

ENVIRONMENTAL COMPLIANCE CHECKLIST

**TO THE PROGRAM ENVIRONMENTAL IMPACT REPORT FOR THE GENERAL
PLAN LAND USE AND URBAN DESIGN ELEMENTS PROJECT**

LONG BEACH, CALIFORNIA

**FOR THE 929 WEST ANAHEIM STREET
INDUSTRIAL PROJECT**

PECC 01-21

APP. NO. 2102-12

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1.0 PROJECT INFORMATION

1. Project Title:

929 West Anaheim Street Industrial Project

2. Lead Agency Name and Address:

City of Long Beach
411 West Ocean Boulevard, 3rd Floor
Long Beach, CA 90802

3. Contact Person and Phone Number:

Maryanne Cronin, Planner
(562)570-5683

4. Project Location:

929 West Anaheim Street and 1401 San Francisco Avenue
(APNs: 7271-007-005, 7271-008-014, and 7271-008-016)

5. Project Applicant's Name and Contact Information:

929 West Anaheim Street, LLC
c/o Clark Neuhoﬀ for Alere Property Group LLC
100 Bayview Circle, Suite 310
Newport Beach, CA 92660

6. Preparation of this Compliance Checklist:

City of Long Beach, Department of Development Services

7. Required Project Approvals and Public Agencies Whose Approval is Required:

The proposed project would require the following discretionary entitlement approvals:

- Site Plan Review
- Lot Merger

8. Incorporation by Reference:

This Environmental Compliance Checklist may reference all or portions of another document that is a matter of public record or is generally available to the public. Informational details from the documents that have been incorporated by reference are summarized below. These documents include:

- a. General Plan Land Use Element (December 2019)
- b. General Plan Urban Design Element (December 2019)
- c. General Plan Land Use and Urban Design Elements Program Environmental Impact Report (PEIR) (December 2019)

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2.0 PROJECT INFORMATION AND SETTING

2.1 GENERAL PLAN

The proposed 929 West Anaheim Street Industrial Project (project) site is designated as PlaceType Neo-Industrial (NI) (40-foot height limit) in the City of Long Beach (City) General Plan Land Use Element (2019). PlaceType NI is defined by restricted light industrial activities associated with innovative start-up businesses and creative design offices in the arts, engineering, sciences, technology, media, education, information industries, among others.

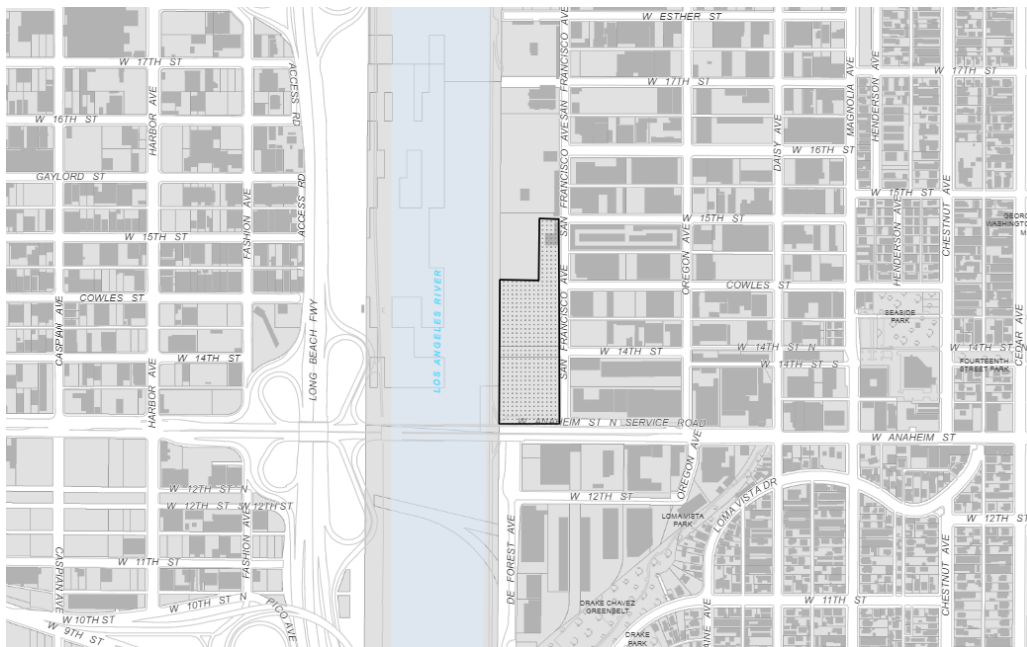
2.2 ZONING

The project is in the General Industrial (IG) Zoning District. The IG Zoning District is considered the City's "industrial sanctuary" district where a wide range of industries that may not be desirable in other districts may locate.

2.3 PROJECT DESCRIPTION

The approximately 6.65-acre project site is located at 929 West Anaheim Street and 1401 San Francisco Avenue and is developed with an outdoor pipe storage yard and 5,827-square-foot industrial building (Figure 1 - Project Site). The proposed project would include the development of two concrete tilt-up industrial buildings (62,042 square feet and 61,553 square feet, respectively) with surface parking (176 spaces) and associated landscaping. The project includes the remodel and reuse of a 5,827-square-foot industrial building on the consolidated site. A request to merge three (3) lots into a single 289,864-square-foot (6.65-acre) lot is included as part of the project approval.

Figure 1 - Project Site



The project would be a warehouse/manufacturing facility while accommodating the provisions of the Neo-Industrial overlay (Figure 2 – Site Plan). The project is comprised of two buildings totaling approximately 129,000 SF with no more than 25% of that space being office and no less than 50% being warehouse. The building footprints are 60,042 and 59,533 respectively with planned 2,000 SF of office mezzanine in each new building bringing the total square footage to 129,422 (62,042 and 61,533 respectively). An existing 5,827 building will be preserved in place and enhanced. Associated improvements to the Project site will include, but not be limited to, surface parking areas, vehicle drive aisles, landscaping, truck court, utility infrastructure, exterior lighting and signage. The project would include new public right-of-way improvements such as new curbs, gutters, sidewalks and landscaping. Enhancements to the existing industrial building at 1401 San Francisco Avenue would assure uniformity of design.

The buildings will be constructed of concrete tilt-up panels (Figure 3 – Elevations [North Building] and Figure 4 – Elevations [South Building]). Each new building will have a height of 38 feet with a vertical corner element for rooftop screening at 42-feet-5-inches. The architectural enhancements will include ample low-reflective glass, paint, and texture. Other aspects of the building design include fire sprinkler systems, 3 percent skylights and windows for maximum natural lighting, electric vehicle (EV) charging stations, 100 percent concrete drives and courts and offices in compliance with CALGreen and the intent of Leadership in Energy and Environmental Design (LEED) at the Certified Level.

Trucks will access the project site via either Anaheim Street from the south or Pacific Coast Highway from the north, both permitted truck routes, and exit the site via Pacific Coast Highway. Passenger cars will enter the project site via San Francisco Avenue from either Pacific Coast Highway, Anaheim Street or 16th Street. The facility could operate 24 hours a day, 365 days a year.

The project is estimated to begin construction in the Year 2021 and open for operations in the Year 2022. The construction process will include light demolition of fencing, lighting and asphalt paving, grading and building construction.

2.4 SURROUNDING LAND USES AND SETTING

The project site is located in an urbanized area that is bound by industrial properties to the east on San Francisco Avenue, the channelized Los Angeles River levy on the west, followed by Interstate 710 (I-710), and by industrial properties on the north and south (across West Anaheim Street).

- North – Industrial, Vacant City-owned parcel
- South – West Anaheim Street and Industrial
- West - Los Angeles River and Los Angeles River Bicycle Path, Vacant City-owned parcel
- East – Industrial

Figure 2 – Site Plan

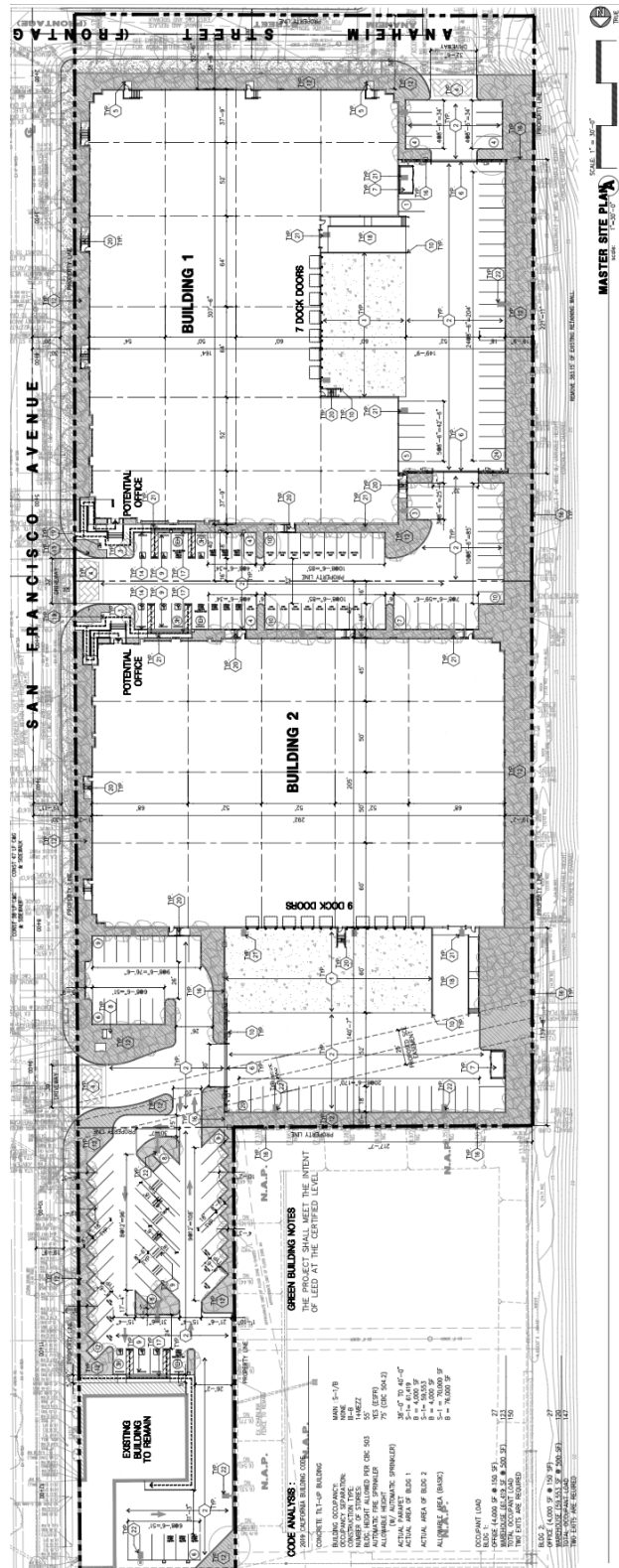


Figure 3 – Elevations (North Building)

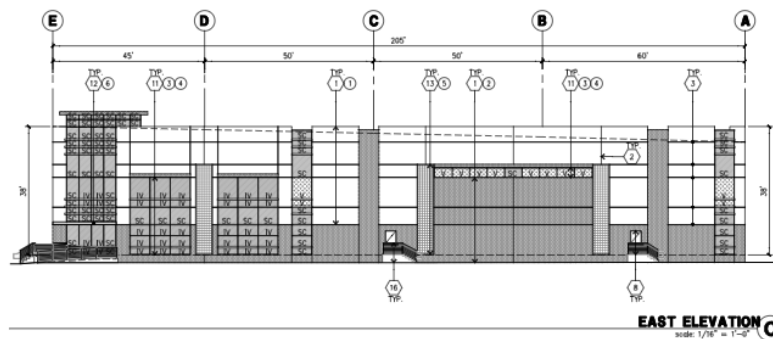
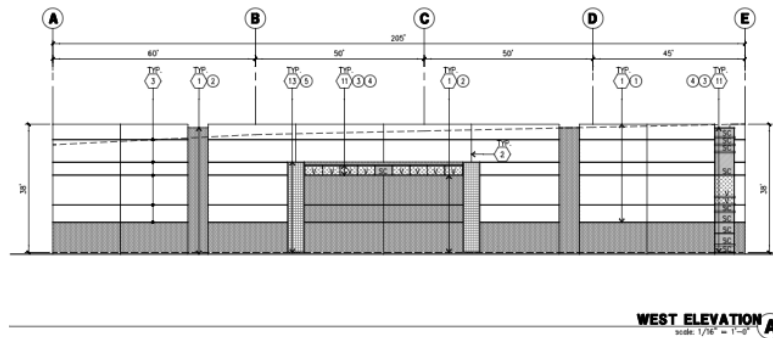
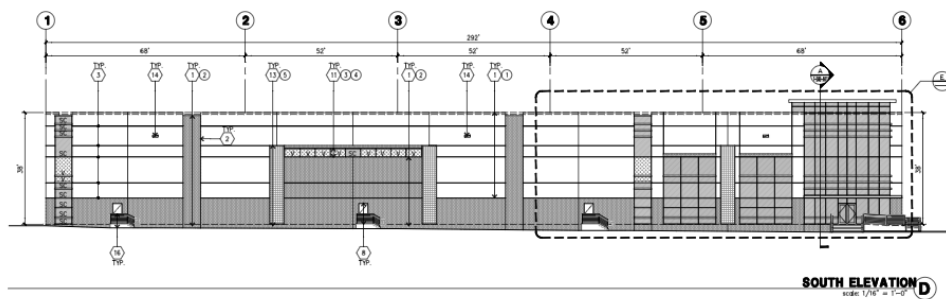
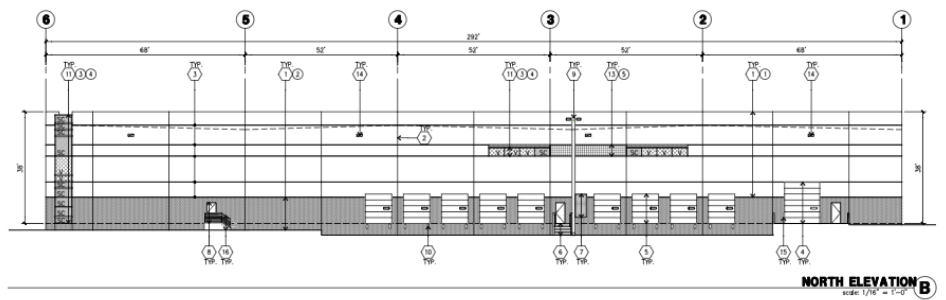
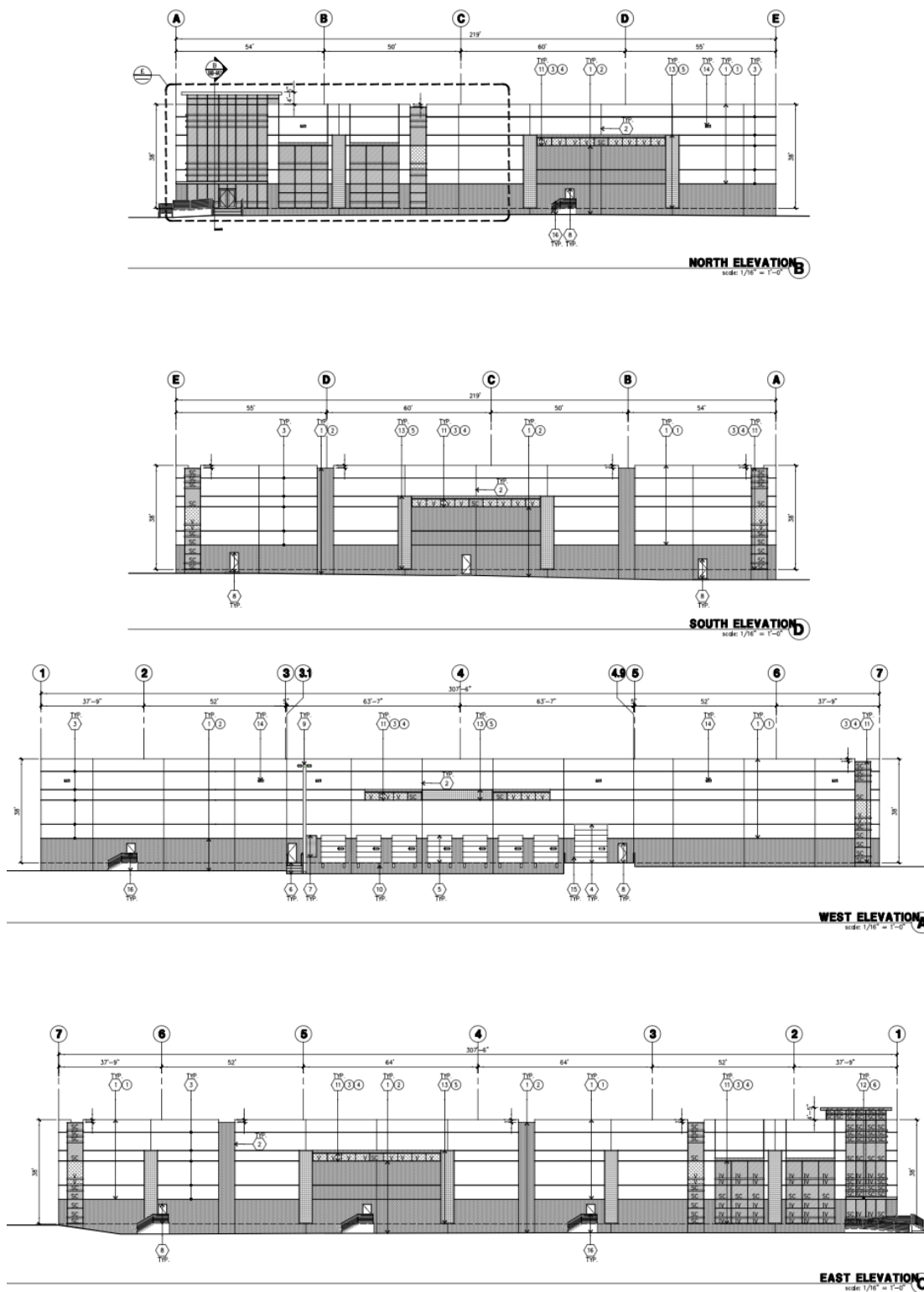


Figure 4 – Elevations (South Building)



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3.0 DETERMINATION

The environmental factors checked below would have a "Potentially Significant Impact" not identified in the General Plan Land Use and Urban Design Elements Certified Environmental Impact Report (EIR).

- | | | |
|---|---|--|
| ☐ Agricultural Resources | ☐ Aesthetics | ☐ Air Quality |
| ☐ Biological Resources | ☐ Cultural and Tribal Cultural Resources | ☐ Geology and Soils |
| ☐ Global Climate Change | ☐ Hazards and Hazardous Materials | ☐ Hydrology and Water Quality |
| ☐ Land Use and Planning | ☐ Mineral Resources | ☐ Noise |
| ☐ Population and Housing | ☐ Public Services | ☐ Recreation |
| ☐ Transportation | ☐ Utilities and Service Systems | ☐ Energy |
| ☐ Wildfire | | |

3.1 DETERMINATION

On the basis of this compliance checklist:

- ☐ I find that the proposed project MAY have a "potentially significant impact" or "potentially significant unless mitigated" impact on the environment, but at least one effect (a) has been adequately analyzed in an earlier document pursuant to applicable legal standards, and (b) has been addressed by mitigation measures based on the earlier analysis, as described on attached sheets. An ENVIRONMENTAL IMPACT REPORT is required, but it must analyze only the effects that remain to be addressed.
- ☒ I find that although the proposed project could have a significant effect on the environment, because the range of potentially significant effects (a) has been analyzed adequately in the General Plan Land Use and Urban Design Elements Program Environmental Impact Report (PEIR) (certified December 2019) pursuant to applicable standards, and (b) has been contemplated, avoided, or mitigated pursuant to that 2019 PEIR, including revisions, adherence to standard conditions, uniformly applicable development policies, or mitigation measures that are imposed upon the proposed project, no further action is required.



Signature

8/24/21

Date

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4.0 FORMAT AND EVALUATION OF IMPACTS

4.1 FORMAT OF THIS ENVIRONMENTAL COMPLIANCE CHECKLIST

The City of Long Beach (City) General Plan Land Use and Urban Design Elements Program Environmental Impact Report (PEIR) analyzed potential environmental impacts of the implementation of the General Plan Land Use Element (LUE) and Urban Design Element (UDE) by utilizing the Initial Study Checklist Form included in Appendix G of the *State CEQA Guidelines*. The City determined that an EIR would be required for the implementation of the LUE and UDE, and issued a Notice of Preparation (NOP) and Initial Study in May 2015 (refer to Appendix A of the Recirculated Draft PEIR) which was distributed via the State Clearinghouse (SCH). The SCH issued a project number for the EIR (SCH No. 2015051054). The NOP process was used to help determine the scope of the environmental issues to be addressed in the Draft PEIR.

Preparation of the Draft PEIR began in June 2015 to fully evaluate the potential adverse environmental impacts that could result from implementation of the LUE and UDE. Issues considered Potentially Significant were addressed in the Draft PEIR. Issues identified as Less Than Significant or as No Impact were not addressed beyond the discussion contained in the Initial Study prepared for the LUE and UDE. The Draft PEIR was circulated for public review for an extended period of 78 days (33 days longer than the required 45-day public review period), from September 1, 2016 to November 18, 2016.

Due to extensive public input provided to the City in the form of written comments on the Draft PEIR, oral testimony at public hearings and community meetings, and direction from the City Council to revise the PlaceTypes Maps in the LUE, the City subsequently revised the LUE in March 2018. The changes were determined to constitute potentially significant new information, thereby requiring recirculation of the Draft PEIR pursuant to *State CEQA Guidelines*, Section 15088.5. As such, a Recirculated Draft PEIR was prepared to evaluate environmental impacts that could result from implementation of the LUE and UDE. The Recirculated Draft PEIR was circulated for public review for an extended period of 60 days (15 days longer than the required 45-day public review period), from June 18, 2019, to August 16, 2019. The Recirculated Draft PEIR found that implementation of the LUE and UDE would result in significant and unavoidable adverse impacts related to air quality, global climate change, noise, and transportation. With the exception of air quality, global climate change, noise, and transportation impacts, all other potentially significant impacts were effectively mitigated to a less than significant level. The City Council certified the Recirculated Draft PEIR in December 2019, adopted the Mitigation Monitoring and Reporting Program (MMRP), and approved the LUE and UDE. For purposes of the discussion in this Environmental Compliance Checklist, the Recirculated Draft PEIR is hereafter referred to as the 2019 PEIR.

The analysis in this Environmental Compliance Checklist includes all environmental topics analyzed in the 2019 PEIR prepared for the implementation of the LUE and UDE. A brief discussion of environmental topics determined to have no impacts or less than significant impacts and not addressed in the 2019 PEIR is also included as a narrative in the Environmental Compliance Checklist.

For each impact identified in this Environmental Compliance Checklist, a summary of the analysis in the 2019 PEIR and a statement of the level of significance of the impact are provided. Included in the analysis is a determination of whether the mitigation measures identified in the 2019 PEIR are applicable to the proposed project, and whether there are any additional impacts not previously identified in the 2019 PEIR, which would therefore require the implementation of new mitigation measures. Where components of certain mitigation measures identified in the 2019 PEIR are not applicable to the proposed project, they have been shown as stricken in the discussion.

The Environmental Compliance Checklist applies the following determination of impacts:

- Potentially Significant Impact Not Identified in the 2019 PEIR
- No Impact/No Change to the 2019 PEIR

4.2 EVALUATION OF ENVIRONMENTAL IMPACTS

CEQA requires a Lead Agency to consider the information contained in the EIR prior to taking any discretionary action on the proposed project. According to Section 15168(c)(2) of the *State CEQA Guidelines*, a Program EIR can be used in compliance with CEQA to address the effects of a subsequent activity, as long as the activity of the project is within the scope of the Program EIR, and no new effects are found and no new mitigation measures are required. According to Section 15162 of the *State CEQA Guidelines*, when a Program EIR has been certified for a project, no new subsequent EIR needs to be prepared as long as the activity of the project is within the scope of the Program EIR, and no new effects are found and no new mitigation measures are required.

In addition, *State CEQA Guidelines* Section 15183 allows streamlining for projects that are consistent with the development density established by existing zoning, community plan, or general plan policies for which an EIR was certified. Section 15183(c) states that if an impact is not peculiar to the parcel or to the project, has been addressed as a significant effect in the prior EIR, or can be substantially mitigated by the imposition of uniformly applied development policies or standards, an additional EIR need not be prepared for the project solely on the basis of that impact.

Per *State CEQA Guidelines* Section 15183(b), in approving such projects, the Lead Agency may limit the examination of environmental effects to the following in an Initial Study or other analysis, where the environmental effects:

1. Are peculiar to the project or the parcel on which the project would be located;
2. Were not analyzed as significant effects in a prior EIR for the general plan, community plan, or zoning action with which the project is consistent;
3. Are potentially significant off-site impacts and cumulative impacts that were not discussed in a prior EIR prepared for the general plan, community plan, or zoning action; or
4. Are previously identified significant effects which, as a result of substantial new information which was not known at the time the prior EIR was certified, are determined to have a more severe adverse impact than discussed in the prior EIR.

Projects are eligible if the project is consistent with the General Plan for which an EIR was certified by the Lead Agency.

As supported by the analysis presented in this document, the proposed project would not result in new or substantially more severe significant environmental impacts than were analyzed in the 2019 PEIR.

This environmental compliance review is intended to serve as an informational document to be considered by the City and its decision-making bodies during deliberations and actions on the proposed project. The analysis contained herein constitutes the substantial evidence required to make a determination whether further environmental analysis for the proposed project is required.

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5.0 ENVIRONMENTAL COMPLIANCE CHECKLIST

This checklist examines the impact determinations of the 2019 PEIR, potential impacts of the proposed project, and summarizes applicable compliance measures,¹ mitigation measures, and project design features included in the 2019 PEIR. This chapter is divided into sections based on the Environmental Analysis sections included in the 2019 PEIR. This checklist also includes a brief discussion of environmental topics that were determined to have less than significant impacts or no impacts, and were therefore not addressed in the 2019 PEIR. For consistency and ease of comparison, the threshold numbering reflects the numbering in the 2019 PEIR.

¹ Compliance measures are regulatory measures sometimes referred to as standard conditions of approval.

5.1 AGRICULTURAL RESOURCES

Based on the Initial Study for the 2019 General Plan PEIR (Appendix A in the 2019 General Plan PEIR), all significance thresholds for agricultural resources were identified as having no impacts.

The proposed project is an example of a non-agricultural infill site that was previously developed and is now developed with an outdoor pipe storage yard and industrial building. The site would be redeveloped for industrial use under the proposed project. Therefore, implementation of the proposed project would not result in environmental changes that could result in the conversion of farmland to non-agricultural use or the conversion of forest land to non-forest use. Furthermore, the adopted LUE encourages the creation of small-scale agricultural uses (e.g., community gardens, edible gardens, and small urban farms) (LU Policy 11-3, LU Policy 18-3, LU-M-40, and LU-M-88). Therefore, there are no effects peculiar to the project or project site or substantial new information that would result in new or more severe adverse impacts than discussed in the prior EIR and impacts with respect to agricultural and forestry resources are not evaluated further for the proposed project.

5.2 AESTHETICS

		2019 PEIR Determination	New Potentially Significant Impact Not Identified in 2019 PEIR	No Impact/ No Change to 2019 PEIR
Except as provided in Public Resources Code Section 21099, would the project:				
4.1.1	Have a substantial adverse effect on a scenic vista?	Less than Significant Impact	☐	☒
4.1.3	In a non-urbanized area, substantially degrade the existing visual character or quality of public views of the site and its surroundings? If the project is in an urbanized area, would the project conflict with applicable zoning and other regulations governing scenic quality?	Less than Significant Impact	☐	☒
4.1.4	Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?	Less than Significant Impact	☐	☒

The Initial Study prepared for the 2019 PEIR determined that implementation of the LUE and UDE would not result in impacts to State-designated scenic highways (Threshold 4.1.2) because there are no State-designated scenic highways in the planning area. Therefore, impacts with respect to this threshold are not evaluated further for the proposed project.

Impact Analysis

4.1.1 Would the project have a substantial effect on a scenic vista?

As described in the 2019 PEIR, through implementation of the UDE, Ocean Boulevard and Livingston Drive continue to be treated as scenic routes. Because the project site is located approximately 1 mile from Ocean Boulevard, views of this resource are not expected to be altered by the proposed project. The City's existing Open Space Element requires the protection of scenic features in the City, including beaches, bluffs, wetlands, and water bodies. Because the project site is located approximately 1.5 mile from the Pacific Ocean, views of this resource are not expected to be altered by the proposed project. In addition, the proposed project would be designed according to the development strategies, policies, and standards in the UDE as interpreted by the Site Plan Review Committee and would be subject to height and density/intensity limitations for PlaceType NI as outlined in the LUE, including the 40-foot height limit in the LUE. Because the proposed project falls within the range of what was contemplated in the 2019 PEIR and will be consistent with the design goals and provisions of the 2019 PEIR, no new potentially significant impact would occur. Finally, pursuant to Section 21099 of the Public Resources Code, this is a qualifying infill project in a transit priority area and is therefore exempt from having to evaluate impacts to aesthetics. Further study of this issue is not warranted.

4.1.3 In a non-urbanized area, would the project substantially degrade the existing visual character or quality of public views of the site and its surroundings? (Public views are those that are experienced from a publicly accessible vantage point.) If the project is in an urbanized area, would the project conflict with applicable zoning and other regulations governing scenic quality?

As discussed in the 2019 PEIR, the visual character and quality of the City would be preserved and enhanced through the application of goals, policies, strategies, and development standards outlined in the LUE and UDE. Specifically, the proposed project would further UDE Strategy No. 25 through the development of an industrial project along the edge of the Los Angeles River that would act as a buffer to interior portions of the NI PlaceType in this portion of the City. The orientation of the project would encourage a development intensity that is graduated as the NI PlaceType areas east of the site are of a variety of size and scale in comparison to the larger parcel sizes along the Los Angeles River. Additionally, the proposed project complies with UDE Strategy No. 15 by using a vacant parcel (outdoor pipe storage yard) as an infill opportunity. The proposed project has been required to submit detailed plans to the City to ensure consistency with the City's design requirements (including those outlined in the UDE). The proposed project would be consistent with the development standards for the IG Zoning District. Because the project falls within the range of what was contemplated in the 2019 PEIR, will be consistent with the design goals and provisions of the 2019 PEIR, will be consistent with the City's Zoning Code, and will not conflict with other regulations governing scenic quality, no new potentially significant impact would occur. Finally, pursuant to Section 21099 of the Public Resources Code, this is a qualifying infill project in a transit priority area and is therefore exempt from having to evaluate impacts to aesthetics. Further study of this issue is not warranted.

4.1.4 Would the project create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?

The 2019 PEIR found that future development facilitated by the 2019 PEIR would introduce new sources of light to the City that are typical of development projects. As such, the proposed project falls within the range of what was contemplated in the 2019 PEIR. Although the proposed project would introduce new sources of light that would contribute to the light visible in the night sky and surrounding area, the proposed project is located within a highly urbanized area that is characterized by significant nighttime lighting. Additionally, as described in the 2019 PEIR, the City reviews site plans and architectural renderings for new projects with an emphasis on the presence of reflective materials and proposed lighting to minimize potential impacts related to light and glare. A final lighting plan and photometric study detailing all exterior lighting fixtures and light standards will be required in the project's building permit submittal as a condition of approval. With City approval of a final lighting plan, no new impact related to lighting and glare beyond that identified in the 2019 PEIR would occur, and further study of the issue is not warranted. Finally, pursuant to Section 21099 of the Public Resources Code, this is a qualifying infill project in a transit priority area and is therefore exempt from having to evaluate impacts to aesthetics.

Applicable Compliance Measures, Mitigation Measures, and Project Design Features

Pursuant to Section 21099 of the Public Resources Code, as a qualifying infill project in a transit priority area, the proposed project is exempt from having to evaluate impacts related to aesthetics. The proposed project is designed in compliance with applicable LUE and UDE goals, strategies and policies intended to reduce the visual impacts of development contemplated under the 2019 PEIR including this project. There are no applicable compliance measures or project design features from the 2019 PEIR related to aesthetics. No mitigation for subsequent projects was identified in the 2019 PEIR.

5.3 AIR QUALITY

Where available, the significance criteria established by the applicable air quality management district or air pollution control district may be relied upon to make the following determinations.

		2019 PEIR Determination	New Potentially Significant Impact Not Identified in 2019 PEIR	No Impact/ No Change to 2019 PEIR
Would the project:				
4.2.1	Conflict with or obstruct implementation of the applicable air quality plan?	Significant and Unavoidable Impact	☐	☒
4.2.2	Violate any air quality standard or contribute to an existing or projected air quality violation?	Significant and Unavoidable Impact	☐	☒
4.2.3	Expose sensitive receptors to substantial pollutant concentrations?	Significant and Unavoidable Impact	☐	☒
4.2.4	Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?	Less than Significant Impact	☐	☒

Impact Analysis

4.2.1 *Would the project conflict with or obstruct implementation of the applicable air quality plan?*

As described in the 2019 PEIR, CEQA requires that general plans be evaluated for consistency with the Air Quality Management Plan (AQMP). There were two key indicators of consistency with the AQMP analyzed in the 2019 PEIR. Indicator 1 related to whether the LUE/UDE would result in an increase in the frequency or severity of existing air quality violations, cause or contribute to new violations, or delay timely attainment of the ambient air quality standards (AAQS) or emission reductions in the AQMP. Indicator 2 related to whether the LUE/UDE would exceed the assumptions in the AQMP. Based on the emissions modeling prepared for the LUE/UDE, emissions under future with project conditions exceeded South Coast Air Quality Management District (SCAQMD) thresholds for volatile organic compounds (VOCs) and carbon monoxide (CO) as a result of additional housing anticipated under the LUE/UDE. Therefore, the 2019 PEIR determined that the LUE/UDE would result in a potentially significant impact associated with consistency with the applicable AQMP, and would not be consistent with the AQMP under the first indicator. Based on the requirements for consistency with emission control strategies in the AQMP, the 2019 PEIR determined that the LUE/UDE is consistent with the 2016 AQMP's land use policies aimed at reducing air quality emissions and would not increase unanticipated population or employment in the City. Therefore, the LUE/UDE is consistent with the 2016 AQMP under Indicator 2. While the LUE/UDE is consistent with the 2016 AQMP's land use policies aimed at reducing air emissions and would not increase anticipated population or employment in the City, the LUE/UDE would result in

additional housing units that would generate VOC and CO emissions above established SCAQMD thresholds. Therefore, based on the requirements for consistency with emissions control strategies in the AQMP, the LUE/UDE would conflict with or obstruct the implementation of the AQMP and/or applicable portions of the State Implementation Plan (SIP). As such, the 2019 PEIR determined that this impact would be significant and unavoidable.

The proposed project is consistent with the Land Use PlaceType identified for the project site in the 2019 PEIR; therefore, similar to the PEIR, the proposed project is consistent with the 2016 AQMP's land use policies aimed at reducing air emissions (Indicator 2). As demonstrated by the Air Quality Impact Analysis prepared for the proposed project (Appendix A) and as shown in Thresholds 4.2.2 through 4.2.4 below, the proposed project would not generate emissions that exceed SCAQMD thresholds. Therefore, the proposed project would not substantially increase the severity of previously identified impacts in the 2019 PEIR, and no new impacts beyond those identified in the 2019 PEIR would occur. No further study of this issue is warranted.

4.2.2 Would the project violate any air quality standard or contribute to an existing or projected air quality violation?

Construction Emissions. As described in the 2019 PEIR, while existing City policies and regulations and the proposed LUE/UDE goals and policies are intended to minimize impacts associated with nonattainment criteria pollutants, the 2019 PEIR determined that this impact was significant and unavoidable since the combination, number, and sizes of projects that could be under construction at any one time were unknown. The 2019 PEIR requires Compliance Measure CM AQ-1. Compliance Measure CM AQ-1 includes a list of measures within the existing regulatory framework that future projects may be required to comply with based on their specific impacts to ensure that the intended environmental protections were achieved. Additionally, the 2019 PEIR required the implementation of Mitigation Measure MM AQ-1, which requires the preparation of project-specific technical assessments evaluating construction-related air quality impacts to further ensure that construction related emissions are reduced to the maximum extent feasible.

The Air Quality Impact Analysis prepared for the proposed project (Appendix A), calculated peak daily emissions associated with the on-site construction equipment, on-road haul trucks and vendor trips, and fugitive dust emissions during each of the construction tasks using the California Emissions Estimator Model (CalEEMod, version 2016.3.2). As shown in Table 3-5 of the Air Quality Impact Analysis Memorandum (Appendix A), construction emissions associated with the project would not exceed the SCAQMD's thresholds for VOC, nitrogen oxides (NO_x), CO, sulfur oxides (SO_x), particulate matter less than 10 microns in size (PM¹⁰) emissions, and particulate matter less than 2.5 microns in size (PM_{2.5}). Therefore, construction of the proposed project would not result in a cumulatively considerable net increase of any criteria pollutant for which the project region is in nonattainment under an applicable federal or State AAQS. Because the project construction-related air quality impacts were evaluated within the Air Quality Impact Analysis (Appendix A) and impacts were determined to be less than significant, Mitigation Measure MM AQ-1 is not applicable to the proposed project. However, the proposed project would implement standard Best Management Practices (BMPs) during construction, as required by Compliance Measure CM AQ-1 within the 2019 PEIR. Furthermore, the proposed project would not substantially increase the severity of previously

identified impacts in the 2019 PEIR, and no new construction-related impacts beyond those identified in the 2019 PEIR would occur. No further study of this issue is warranted.

Operation Emissions. The 2019 PEIR determined that emissions associated with the anticipated General Plan build out would not exceed the daily SCAQMD regional thresholds for VOC, NO_x, PM₁₀, and PM_{2.5}, and CO in 2040 when compared to the existing conditions (2018) scenario. However, the decrease in emissions was associated with the overall decrease in vehicle miles traveled (VMT) and reduction in vehicle emission rates that would occur with or without the LUE/UDE. Therefore, the 2019 PEIR analyzed the change in emissions associated with the LUE/UDE, holding the emission factors constant for the year 2040. This analysis indicated that both VOC (an ozone [O₃] precursor emission) and CO emissions would exceed the SCAQMD thresholds under this scenario. Future development under the LUE/UDE is required to demonstrate compliance with the AQMP, the SIP, the California Air Resources Board's (CARB) motor vehicle standards; SCAQMD regulations for stationary sources and architectural coatings; the California Green Building Standards Code (CALGreen Code) building efficiency standards (Title 24, Part 11) and the California Energy Code Building Energy Efficiency Standards (Title 24, Part 6); and the proposed LUE/UDE project goals and policies. The 2019 PEIR also requires the implementation of Mitigation Measure MM AQ-2, which requires the preparation of project-specific technical assessments to ensure that operational-related emissions are reduced to the maximum extent feasible. However, because operational characteristics and the associated emissions for future specific development projects could not be determined at the time of the analysis, despite implementation of Mitigation Measure MM AQ-2, the potential emissions impacts associated with the operation of the LUE/UDE were determined to be significant and unavoidable.

The Air Quality Impact Analysis prepared for the proposed project (Appendix A) calculated long-term operational emissions associated with the proposed project using CalEEMod. The results shown in Table 3-8 indicate that the proposed project would not exceed the significance criteria for daily VOC, NO_x, CO, SO_x, PM₁₀, or PM_{2.5} emissions. The peak operational emissions presented in Table 3-11 of the Air Quality Impact Analysis (Appendix A) show the project's operational emissions compared to the adopted land use under the LUE. As shown in Table 3-11, the proposed project is anticipated to generate slightly more emissions per day for pollutants of VOC, NO_x, CO, SO_x, PM₁₀, and PM_{2.5} when compared to the emissions generated by currently adopted general plan land use assumed for the Project site by the LUE PEIR. Despite the slight increase based on site conditions, the project emissions do not exceed the SCAQMD significance criteria or the overall emissions identified in the PEIR. Because the project operation related air quality impacts were already evaluated within the Air Quality Impact Analysis Memorandum (Appendix A) and impacts were determined to be less than significant, Mitigation Measure MM AQ-2 is not applicable to the proposed project. Furthermore, because the proposed project is within the overall range of what was contemplated in the 2019 PEIR, it would not substantially increase the severity of previously identified impacts in the 2019 PEIR, and no new impacts beyond those identified in the 2019 PEIR would occur. No further study of this issue is warranted.

CO Hot-Spot Analysis. Under existing and future vehicle emissions rates analyzed in the 2019 PEIR, a project had to increase traffic volumes at a single intersection by more than 44,000 vehicles per hour—or 24,000 vehicles per hour where vertical and/or horizontal air does not mix—in order to

generate a significant CO impact. The anticipated General Plan build out would not have produced the volume of traffic required to generate a CO hot spot. Therefore, the 2019 PEIR determined that the implementation of the LUE/UDE would not result in CO hot spots, impacts would be less than significant, and no mitigation was required.

Because the proposed project falls within the range of what was contemplated in the 2019 PEIR, it would not produce the volume of traffic required to generate a CO hot spot, impacts would remain less than significant. Therefore, the proposed project would not substantially increase the severity of previously identified impacts in the 2019 PEIR, and no new impacts beyond those identified in the 2019 PEIR would occur. No further study of this issue is warranted.

4.2.3 Would the project expose sensitive receptors to substantial pollutant concentrations?

Localized Criteria Pollutants. As described in the 2019 PEIR, construction emissions associated with future individual projects developed under the LUE/UDE would have the potential to cause or contribute to significant localized air quality impacts to nearby residential land uses within the planning area. To address this, the 2019 PEIR includes regulatory measures (e.g., SCAQMD Rule 201 for a permit to operate, Rule 403 for fugitive dust control, Rule 1113 for architectural coatings, Rule 1403 for new source review, and the CARB's Airborne Toxic Control Measures), and mitigation would be imposed at the project level, if necessary, which may include use of special equipment. As previously stated and as demonstrated by the Air Quality Impact Analysis prepared for the proposed project (Appendix A), the proposed project would not exceed SCAQMD significant criteria for criteria pollutants during either project construction or operation (Tables 3-13 and 3-15, respectively). Therefore, the proposed project would not substantially increase the severity of previously identified impacts in the 2019 PEIR, no project-level mitigation would be required, and no new impacts beyond those identified in the 2019 PEIR would occur. No further study of this issue is warranted.

Health Effects. As determined in the 2019 PEIR, localized construction impacts of future projects have the potential to exceed Localized Significance Thresholds (LSTs), particularly for construction of areas larger than 5 acres or areas with more intense construction activities. Therefore, the 2019 PEIR determined that without mitigation, exceedances of the LSTs have the potential to cause or exacerbate an exceedance of the AAQS. SCAQMD is only able to correlate potential health outcomes for very large emissions sources; specifically, 6,620 pounds per day (lbs/day) of NO_x and 89,180 lbs/day of VOCs would be expected to result in approximately 20 premature deaths per year and 89,947 school absences due to ozone. It was not expected that any future projects would generate 6,620 lbs/day of NO_x or 89,180 lbs/day of VOC emissions. However, individual projects would still be required to conduct a site-specific localized impact analysis that evaluates potential project health impacts at a project level to immediately adjacent land uses (refer to Compliance Measure CM AQ-1 and Mitigation Measure MM AQ-1 in the 2019 PEIR) to ensure that potential health impacts associated with the construction of the LUE/UDE would be less than significant. The proposed project would generate up to 61.04 lbs/day of NO_x during construction and 17.48 lbs/day of NO_x during operations (0.92% and 0.26% of 6,620 lbs/day, respectively). Additionally, the proposed project would also generate a maximum of 30.50 lbs/day of VOC emissions during construction and 4.52 lbs/day of VOC emissions during operations (0.03% and 0.01% of 89,190 lbs/day, respectively).

Therefore, the proposed project's emissions are not sufficiently high enough to use a regional modeling program to correlate health effects on a basin-wide level.

The Mobile Source Health Risk Assessment (Appendix B) prepared for the proposed project has been conducted in accordance with the guidelines in the *Health Risk Assessment Guidance for Analyzing Cancer Risks from Mobile Source Diesel Idling Emissions for CEQA Air Quality Analysis (SCAQMD)*. The potential project-related TAC source cancer and non-cancer risks were analyzed under three exposures: Individual Exposure Scenario, Worker Exposure Scenario, and School Child Exposure Scenario. As analyzed in Appendix B, the project will not cause a significant human health or cancer risk to adjacent residences, workers, or nearby schools.

Because the project construction-related air quality impacts were evaluated within the Air Quality Impact Analysis (Appendix A) and Mobile Source Health Risk Assessment (Appendix B) and impacts were determined to be less than significant, Mitigation Measure MM AQ-1 is not applicable to the proposed project. However, the proposed project would implement standard BMPs during construction, as required by Compliance Measure CM AQ-1 within the 2019 PEIR. Therefore, the proposed project would not substantially increase the severity of previously identified impacts in the 2019 PEIR, and no new impacts beyond those identified in the 2019 PEIR would occur. No further study of this issue is warranted.

Toxic Air Contaminant (TAC) Emissions. As described in the 2019 PEIR, the LUE/UDE includes a number of goals and policies that are intended to minimize TAC impacts associated with sensitive receptors. In addition, specific measures for future development projects are required to ensure that the intended environmental protections are achieved. Compliance with Policy 16-13 and Mitigation Measure MM AQ-3 required by the 2019 PEIR would ensure that mobile sources of TACs not covered under SCAQMD permits are considered during subsequent project-level environmental review. Policy 16-13 and Mitigation Measure MM AQ-3 also requires the preparation of project-specific technical health risk assessments for certain large discretionary industrial or warehousing uses to evaluate operational-related health risk impacts to ensure that operational-related emissions are reduced to the maximum extent feasible for projects that require environmental evaluation under CEQA. However, because the scale of individual project-level emissions that would result under implementation of the LUE are unknown, and in order to present conservative assumptions, the TAC health risk impacts associated with future operation of individual projects resulting from implementation of the LUE/UDE were assumed to be potentially significant.

The proposed project is within the range of what was considered in the 2019 PEIR and would be consistent with goals and policies included in the LUE/UDE that are intended to minimize TAC impacts associated with sensitive receptors. The Mobile Source Health Risk Assessment (Appendix B) prepared for the proposed project to evaluate the potential health risk impacts to sensitive receptors (which are residents) and adjacent workers associated with the development of the proposed project, more specifically, health risk impacts as a result of exposure to TACs including diesel particulate matter (DPM) as a result of heavy-duty diesel trucks accessing the site. As demonstrated in Table ES-1 and analysis of Appendix B, the project would not exceed the significance threshold (risk per million) established for the 30-year/25-year and annual average for the individual receptor and worker receptor, respectively.

Potential TAC-related health risk impacts were analyzed at the project level and would not exceed the thresholds of significance and impacts would be less than significant. Therefore, Policy 16-13 and Mitigation Measure MM AQ-3 would not be applicable to the proposed project. The proposed project would not substantially increase the severity of previously identified impacts in the 2019 PEIR, and no new impacts beyond those identified in the 2019 PEIR would occur. No further study of this issue is warranted.

4.2.4 Would the project result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?

As described in the 2019 PEIR, during construction activities, construction equipment exhaust and application of asphalt and architectural coatings would temporarily generate odors as a result of implementation of the LUE/UDE. However, any construction-related odor emissions would be temporary and intermittent. Additionally, noxious odors would be confined to the immediate vicinity of the construction equipment and would be unlikely to affect a substantial number of people. In addition, by the time such emissions reached any sensitive receptor sites, they would be diluted to well below any level of air quality concern. Furthermore, short-term construction-related odors are expected to cease upon the drying or hardening of the odor-producing materials. Therefore, the 2019 PEIR determined that impacts associated with construction-generated odors would be less than significant.

While odor sources are present within the City, the odor policies enforced by the SCAQMD, including Rule 402, and City of Long Beach Municipal Code Section 8.64.040, prohibit nuisance odors and identify enforcement measures to reduce odor impacts to nearby receptors. Therefore, the 2019 PEIR determined that impacts associated with objectionable odors would be less than significant, and no mitigation was required.

The Project does not contain land uses typically associated with emitting objectionable odors. Standard construction requirements would minimize odor impacts from construction. The construction odor emissions would be temporary, short term, and intermittent in nature and would cease upon completion of the respective phase of construction and is thus considered less than significant. It is expected that project-generated refuse would be stored in covered containers and removed at regular intervals in compliance with the solid waste regulations.

Additionally, the proposed project would comply with the odor policies enforced by the SCAQMD, including Rule 402, and City of Long Beach Municipal Code Section 8.64.040. Therefore, the proposed project would not substantially increase the severity of previously identified impacts in the 2019 PEIR, and no new impacts beyond those identified in the 2019 PEIR would occur. No further study of this issue is warranted.

Applicable Compliance Measures, Mitigation Measures, and Project Design Features

Compliance measures are regulations imposed uniformly by the approving agency based on the proposed action taken and are required for the proposed project to reduce its potential environmental effects. Because these features are standard requirements, they do not constitute

mitigation measures. As described above, the following compliance measure from the 2019 PEIR would apply to the proposed project and has been determined to be feasible.

- CM AQ-1** To ensure compliance with South Coast Air Quality Management District (SCAQMD) rules and provide Best Management Practices (BMPs) to reduce air pollutant emissions during construction of ~~future projects facilitated under~~ the proposed project, the construction contractor shall implement the following BMPs during construction, where feasible, to further reduce emissions from construction emissions of volatile organic compounds (VOCs), nitrogen oxides (NO_x), and particulate matter:
- Install temporary construction power supply meters on site and use these to provide power to electric power tools whenever feasible. If temporary electric power is available on site, forbid the use of portable gasoline- or diesel-fueled electric generators.
 - Use of diesel oxidation catalysts and/or catalyzed diesel particulate traps on diesel equipment, as feasible.
 - Maintain equipment according to manufacturers' specifications.
 - Restrict idling of equipment and trucks to a maximum of 5 minutes (per California Air Resources Board [CARB] regulation).
 - Phase grading operations to reduce disturbed areas and times of exposure.
 - Avoid excavation and grading during wet weather.
 - Limit on-site construction routes and stabilize construction entrance(s).
 - Remove existing vegetation only when absolutely necessary.
 - Sweep up spilled dry materials (e.g., cement, mortar, or dirt track-out) immediately. Never attempt to wash them away with water. Use only minimal water for dust control.
 - Store stockpiled materials and wastes under a temporary roof or secured plastic sheeting or tarp.
 - Properly dispose of all demolition wastes. Materials that can be recycled from demolition projects include: metal framing, wood, concrete, asphalt, and plate glass. Unusable, un-recyclable debris should be confined to dumpsters, covered at night, and taken to a landfill for disposal. Hazardous debris such as asbestos must be handled in accordance with specific laws and regulations and disposed of as hazardous waste. For more information on asbestos handling and disposal regulations, contact the SCAQMD.

For the reasons outlined above, Mitigation Measures MM AQ-1 through MM AQ-3 are applicable to this project and would be required to ensure project impacts related to air quality are less than significant.

MM AQ-1 Prior to issuance of any construction permits, future development projects subject to discretionary review under the California Environmental Quality Act (CEQA) shall prepare and submit to the Director of the City of Long Beach (City) Department of Development Services, or designee, a technical assessment evaluating potential project construction-related air quality impacts. The evaluation shall be prepared in conformance with South Coast Air Quality Management District (SCAQMD) methodology for assessing air quality impacts. If construction-related criteria air pollutants are determined to have the potential to exceed the SCAQMD-adopted thresholds of significance, the Department of Development Services shall require that applicants for new development projects incorporate mitigation measures to reduce air pollutant emissions during construction activities. These identified measures shall be incorporated into all appropriate construction documents (e.g., construction management plans) submitted to the City and shall be verified by the Department of Development Services. Mitigation measures to reduce construction-related emissions include, but are not limited to, the following:

- Require the following fugitive-dust control measures:
 - o Use nontoxic soil stabilizers to reduce wind erosion.
 - o Apply water every 4 hours to active soil-disturbing activities.
 - o Tarp and/or maintain a minimum of 24 inches of freeboard on trucks hauling dirt, sand, soil, or other loose materials.
- Use construction equipment rated by the United States Environmental Protection Agency (USEPA) as having Tier 4 (model year 2008 or newer) emission limits (when available), or Tier 3 (model year 2006 or newer), applicable for engines between 50 and 750 horsepower.
- Ensure that construction equipment is properly serviced and maintained to the manufacturers' standards.
- Limit nonessential idling of construction equipment to no more than 5 consecutive minutes.
- Using Super-Compliant volatile organic compound (VOC) paints for coating of architectural surfaces whenever possible. (A list of Super-Compliant architectural coating manufacturers can be found on the SCAQMD website at http://www.aqmd.gov/prdas/brochures/Super-Compliant_AIM.pdf.)

- Suspend all soil disturbance activities when winds exceed 25 miles per hour (mph) as instantaneous gusts or when visible plumes emanate from the site and stabilize all disturbed areas.
- Post a publicly visible sign with the telephone number and person to contact at the City of Long Beach regarding dust complaints. The SCAQMD's phone number shall also be visible to ensure compliance with applicable regulations.
- Sweep all streets at least once a day using SCAQMD Rule 1186, 1186.1 certified street sweepers or roadway washing trucks if visible soil materials are carried to adjacent streets. The use of water sweepers with reclaimed water is recommended.
- Apply water three times daily or non-toxic soil stabilizers according to manufacturers' specifications to all unpaved parking or staging areas, unpaved road surfaces, or to areas where soil is disturbed. Reclaimed water should be used when available.
- Construction vendors, contractors, and/or haul truck operators shall utilize 2010 model year trucks (e.g., material delivery trucks and soil import/export) that meet the California Air Resources Board's (CARB) 2010 engine emission standards at 0.01 grams per brake horsepower-hour (g/bhp-hr) of particulate (PM) and 0.20 g/bhp-hr of nitrogen oxides (NO_x) emissions or newer, cleaner trucks. Operators shall maintain records of all trucks associated with the project construction to document that each truck used meets these emission standards, and shall make the records available for inspection.

MM AQ-2

Prior to future discretionary project approval, development project applicants shall prepare and submit to the Director of the City Department of Development Services, or designee, a technical assessment evaluating potential project operation phase-related air quality impacts. The evaluation shall be prepared in conformance with SCAQMD methodology in assessing air quality impacts. If operation-related air pollutants are determined to have the potential to exceed the SCAQMD-adopted thresholds of significance, the Department of Development Services shall require that applicants for new development projects incorporate mitigation measures to reduce air pollutant emissions during operational activities. The identified measures shall be included as part of the Project Conditions of Approval. Possible mitigation measures to reduce long-term emissions include but are not limited to:

- For site-specific development that requires refrigerated vehicles, the construction documents shall demonstrate an adequate number of electrical service connections at loading docks for plugging in the anticipated number of refrigerated trailers to reduce idling time and emissions.

- Applicants for manufacturing and light industrial uses shall consider energy storage and combined heat and power in appropriate applications to optimize renewable energy generation systems and avoid peak energy use.
- Site-specific developments with truck delivery and loading areas and truck parking spaces shall include signage as a reminder to limit idling of vehicles while parked for loading/unloading in accordance with CARB Rule 2845 (13 California Code of Regulations [CCR] Chapter 10, Section 2485).
- Require that 240-volt electrical outlets or Level 3 chargers be installed in parking lots that would enable charging of neighborhood electric vehicles (NEVs) and/or battery powered vehicles.
- Maximize use of solar energy including solar panels; installing the maximum possible number of solar energy arrays on the building roofs throughout the City to generate solar energy.
- Maximize the planting of trees in landscaping and parking lots.
- Use light-colored paving and roofing materials.
- Require use of electric or alternatively fueled street-sweepers with HEPA filters.
- Require use of electric lawn mowers and leaf blowers.
- Utilize only Energy Star heating, cooling, and lighting devices, and appliances.
- Use of water-based or low volatile organic compound (VOC) cleaning products.

MM AQ-3

Prior to future discretionary approval for projects that require environmental evaluation under CEQA, the City of Long Beach shall evaluate new development proposals for new industrial or warehousing land uses that (1) have the potential to generate 100 or more diesel truck trips per day or have 40 or more trucks with operating diesel-powered transport refrigeration units, and (2) are within 1,000 feet of a sensitive land use (e.g., residential, schools, hospitals, or nursing homes), as measured from the property line of the project to the property line of the nearest sensitive use. Such projects shall submit a Health Risk Assessment (HRA) to the City Department of Development Services. The HRA shall be prepared in accordance with policies and procedures of the most current State Office of Environmental Health Hazard Assessment (OEHHA) and the SCAQMD. If the HRA shows that the incremental health risks exceed their respective thresholds, as established by the SCAQMD at the time a project is considered, the Applicant will be required to identify and demonstrate that best available control technologies for toxics (T-BACTs), including appropriate enforcement mechanisms to reduce risks to an acceptable level. T-BACTs may include, but are not limited to, restricting idling on site or electrifying warehousing docks to reduce diesel particulate matter, or

requiring use of newer equipment and/or vehicles. T-BACTs identified in the HRA shall be identified as mitigation measures in the environmental document and/or incorporated into the site plan.

5.4 BIOLOGICAL RESOURCES

Based on the Initial Study for the 2019 General Plan PEIR (Appendix A in the 2019 General Plan PEIR), all significance thresholds for biological resources were identified as having less than significant or no impacts. In its existing setting, the planning area is almost entirely developed and is located in an urban area of Los Angeles County. These urban areas do not contain mapped habitat for any sensitive biological species as identified in local/regional plans, policies, or regulations, or by the California Department of Fish and Wildlife (CDFW) or the United States Fish and Wildlife Service (USFWS).

In order to preserve open space areas and protect sensitive biological resources, the adopted LUE promotes compact infill development on underutilized parcels located throughout the City (LU Policy 1-5, LU Policy 7-11, and Major Area of Change No. 7). The majority of parcels proposed for infill development are either paved or developed with uses that would be redeveloped as part of the proposed project. As such, these areas have previously been heavily disturbed and do not support sensitive biological resources.

The proposed project is an example of an infill site that was previously developed and would be redeveloped under the proposed project. The site is presently used as an outdoor pipe storage yard and industrial building and is void of vegetation capable of supporting habitat. The project would include the installation of landscaping onsite. The Biological Survey prepared for the proposed project (Appendix C) did not identify biological constraints at the project site. The site has very limited value to native plants and wildlife due to the disturbed and developed nature of the site and the complete absence of native habitats onsite.

Furthermore, the adopted LUE establishes the Open Space PlaceType, which would encourage the preservation of existing wildlife habitat areas and would protect existing water bodies and habitat areas with known sensitive biological resources (Major Area of Change No. 8, LU Strategy No. 20, and LU Policies 20-1 through 20-4). Therefore, the adopted LUE would protect and retain open space areas and would not have a substantial adverse effect on species identified as candidate, sensitive, or special-status species in local or regional plans, policies, or regulations by the CDFW or the USFWS, nor would the LUE have a substantial adverse effect on riparian habitat and other sensitive natural communities, or federally protected wetlands.

Implementation of the proposed project would not result in impacts related to interference with the movement of species within wildlife corridors. Specifically, LU Policy 20-12 in the adopted LUE requires that future development projects in the City comply with the Migratory Bird Treaty Act (Title 33, United States Code [USC], Section 703 et seq., see also Title 50, Code of Federal Regulations [CFR], Part 10, and Section 3503 of the California Fish and Game Code), which makes it illegal to take any migratory bird, nests, or eggs of such a bird except under the terms of a valid federal permit. The proposed project would avoid impacts to migratory birds during construction activities by limiting such activities to outside of the nesting season and/or by conducting nesting bird surveys prior to any tree removal. The adopted LUE also encourages the establishment of wildlife movement corridors between urban areas, wetlands, and the San Gabriel and Los Angeles Rivers (LU Policy 20-7 and LU Policy 21-5). LU Policy 20-12 also requires future projects to comply

with Chapter 14.28 of the Long Beach Municipal Code to ensure consistency with the City's tree preservation policy.

The adopted UDE does not address land use changes, and therefore, would not impact biological resources. Rather, the UDE outlines goals and strategies that would guide the aesthetic character of new development within PlaceTypes in the LUE.

There is no adopted Habitat Conservation Plan (HCP), Natural Communities Conservation Plan (NCCP), or other local or regional conservation plan covering the planning area. As such, implementation of the proposed project would not result in impacts to an adopted HCP/NCCP. The proposed project does not include land use changes within the California Coastal Zone, which is regulated by the California Coastal Act (Coastal Act). For the reasons outlined above, impacts with respect to biological resources are not evaluated further for the proposed project.

5.5 CULTURAL AND TRIBAL CULTURAL RESOURCES

Based on the Initial Study for the 2019 General Plan PEIR (Appendix A in the 2019 General Plan PEIR), all significance thresholds for cultural and tribal cultural resources were identified as having less than significant or no impacts.

The adopted LUE and UDE include a number of goals and policies aimed at preserving and maintaining the integrity of existing historic resources located throughout the planning area. Specifically, the adopted UDE includes strategies aimed at the preservation of the aesthetic character of existing historic resources (UD Strategy No. 9, Policy UD 2-1, Policy UD 9-1, Policy UD 9-2, Policy UD 9-3, Policy UD 10-1, Policy UD 10-3, Policy UD 19-4, and Policy UD 20-5), while the adopted LUE aims to preserve existing historic structures and neighborhoods throughout the City (LU Goal No. 4, Strategy No. 3, LU-M-3, and LU-M-43). Historic resources are further protected through regulation via the City's General Plan Historic Preservation Element (2010) and the City's Cultural Heritage Ordinance, which are contemplated and recognized in the LUE and UDE; the proposed project is consistent with these documents and does not modify either of them.

The adopted LUE also aims to minimize potential impacts to unknown archaeological resources, tribal cultural resources, and buried human remains through compliance with applicable federal, State, and local guidelines (as required by LU Policy 20-12). However, Native American consultation under Assembly Bill (AB) 52 would only be required for any CEQA project that has a notice of preparation, a notice of negative declaration, or a mitigated negative declaration filed on or after July 1, 2015. Therefore, the proposed project would not be subject to AB 52. Projects requiring a General Plan or Specific Plan Amendment would also be required to conduct Native American consultation in compliance with Senate Bill (SB) 18. However, since the proposed project does not require a General Plan or Specific Plan Amendment, the project would not be subject to SB 18.

The site is not located within a City-designated landmark historic district. The majority of the site is presently used as an outdoor pipe storage yard and is developed with a 5,827-sqaure-foot industrial building. The site was previously developed with structures, according to building permit records, prior to use as the outdoor pipe storage yard. A Cultural Resources Assessment (Appendix D) was completed for the project site. As a result of this assessment, the historic-period building to remain is not recommended eligible for the California Register or as a City Landmark (Long Beach Municipal Code Chapter 2.63.050). As such this resource is not recommended a "historical resource" under CEQA. It does not warrant further consideration. No other cultural resources were identified within the project site boundaries. Furthermore, previous construction-related excavation on the project site and disturbances from the channelizing of the Los Angeles River have disturbed sediments beyond depths at which buried prehistoric cultural resources are likely.

According to the paleontological resources assessment included in Appendix D, the geologic units underlying this project are mapped entirely as alluvial deposits dating from the Holocene period. While Holocene alluvial units are considered to be of high preservation value, material found is unlikely to be fossil material due to the relatively modern associated dates of the deposits. However, if development requires any substantial depth of disturbance, the likelihood of reaching Pleistocene alluvial sediments would increase. There are no recorded localities within the project area or within a 1-mile radius. While the presence of any fossil material is unlikely, if excavation

activity disturbs deeper sediment dating to the earliest parts of the Holocene or Late Pleistocene periods, the material would be scientifically significant. Excavation activity associated with the development of the project area is unlikely to be paleontologically sensitive, but caution during development should be observed.

The result of any Sacred Lands File (SLF) check conducted through the Native American Heritage Commission was negative.

The proposed project would improve an underutilized parcel with a new industrial development that is consistent with UDE strategies and policies that ensure the proposed project preserves and respects the aesthetic character of the NI PlaceType and IG Zoning District.

Compliance with policies in the adopted LUE would ensure that the proposed project would not result in impacts to cultural or tribal cultural resources. Therefore, impacts with respect to cultural or tribal cultural resources are not evaluated further for the proposed project.

5.6 GEOLOGY AND SOILS

Based on the Initial Study for the 2019 General Plan PEIR (Appendix A in the 2019 General Plan PEIR), all significance thresholds for geology and soils were identified as having less than significant or no impacts.

The proposed project is an example of an infill site that was previously developed and would be redeveloped under the proposed project. A Geotechnical Investigation (Appendix E) was completed for the project site, which included field investigations, laboratory tests, settlement estimates and grading recommendations. The portion of the project site for reuse of the existing 5,287-square-foot industrial building would not include erection of a new structure, and would be limited to surface parking lot and landscape improvements. Based on existing soil conditions, construction methods and grading recommendations would be carried out in compliance with the building code recommendations.

Given the City's location in the seismically active area of Southern California, portions of the planning area are located within a Fault Zone, as designated by the California Department of Conservation (DOC) and United States Geological Survey (USGS). The proposed project would be required to comply with LU Policy 20-12, which requires compliance with current building codes to reduce potential impacts associated with seismic hazards. As such, implementation of the proposed project would not expose people or structures to substantial adverse effects related to the risk of loss, injury, or death involving the rupture of a known earthquake fault, strong seismic ground shaking, or seismic-related failure (e.g., liquefaction or landslides).

LU Policy 20-12 also requires that future projects comply with Chapter 18.05 of the City's Municipal Code, which itself requires applicants to prepare a soils engineering report and/or geology report and comply with applicable geology and soils engineering recommendations prior to issuance of a grading permit. Compliance with the California Building Code currently in effect and preparation of site-specific geology and soils engineering studies would ensure that the proposed project would not result in impacts related to substantial soil erosion, unstable soils, expansive soils, or soils incapable of adequately supporting the use of septic tanks or alternative wastewater disposal systems. LU Policy 20-12 also aims to minimize potential impacts to unknown paleontological resources through compliance with applicable federal, State, and local guidelines. Therefore, impacts with respect to geology and soils are not evaluated further for the proposed project.

5.7 GLOBAL CLIMATE CHANGE

		2019 PEIR Determination	New Potentially Significant Impact Not Identified in 2019 PEIR	No Impact/ No Change to 2019 PEIR
Would the project:				
4.3.1	Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?	Significant and Unavoidable Impact	☐	☒
4.3.2	Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?	Less than Significant with Mitigation Incorporated	☐	☒

Impact Analysis

4.3.1 *Would the project generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?*

The 2019 PEIR found that future development associated with implementation of the 2019 PEIR would contribute to global climate change through direct and indirect emissions of greenhouse gases (GHGs) from land uses within the City. While the 2019 PEIR includes various policies that contribute to reduced GHG emissions, the City still requires assistance from additional federal and State programs and regulations to achieve the long-term GHG emissions goals and efficiency thresholds. The 2019 PEIR required implementation of Mitigation Measure MM GHG-1, which would reduce GHG emissions because it requires the preparation of a GHG Reduction Plan or a Climate Action and Adaptation Plan (CAAP) to ensure that the City continues on a trajectory that aligns with the short-term, interim, and long-term State GHG reduction goals. However, in addition to Mitigation Measure MM GHG-1, additional statewide measures are required in order to meet the service population threshold set by the CAAP. Because the performance of GHG reduction measures in the CAAP and compliance with future targets could not be assured, the 2019 PEIR determined that GHG emission impacts would remain significant and unavoidable.

The proposed project requires construction and operation of two new industrial buildings (62,042 square feet and 61,553 square feet, respectively) and the reuse of an existing 5,287-square-foot industrial building. Project construction and operation would involve generation of GHG emissions. The 2019 PEIR determined that GHG impacts would be significant and unavoidable, but through incorporation of mitigation measures, anticipated projects would fall within the scope of the 2019 PEIR analysis. However, Mitigation Measure MM GHG-1 is not applicable to the proposed project, as it is a program-level mitigation and not a project level mitigation and is specific to the adoption of the LUE/UDE. Although the Final CAAP has not been adopted at the time of this analysis, the proposed project would comply with the policies and provisions set forth in the Draft CAAP. According to the Draft CAAP, the 2030 efficiency target of 4.46 metric tons of carbon dioxide equivalent (MT CO₂e) per capita is based on the 2030 reduction targets established for the CAAP and is consistent with the State's target reductions of 40 percent below 1990 levels by 2030 and the

4.3.2 Would the project conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?

Similar to the LUE/UDE, the proposed project would be consistent with applicable measures and goals identified in the City's Sustainable City Action Plan, the CARB Scoping Plan, and SCAG's 2016–2040 RTP/SCS. The 2017 Scoping Plan Update reflects the 2030 target of a 40% reduction below 1990 levels, set by Executive Order B-30-15 and codified by SB 32. Table 3-11 of Appendix E summarizes the project's consistency with the 2017 Scoping Plan. As summarized, the Project will not conflict with any of the provisions of the Scoping Plan and supports seven of the action categories.

However, as previously specified, Mitigation Measure MM GHG-1 is not applicable to the proposed project, as implementation of the CAAP is specific to the adoption of the LUE/UDE and not an individual development project. Although the Final CAAP has not yet been adopted at the time of this analysis, the proposed project would comply with the policies and provisions set forth in the Draft CAAP, as further described in Table 3-12 of the Greenhouse Gas Analysis (Appendix F) for the project. Therefore, with compliance to the Draft CAAP, the proposed project would not conflict with or impede implementation of reduction goals identified in AB 32 and SB 32. The proposed project is also subject to all applicable regulatory requirements, which would reduce the GHG emissions of the proposed project. Therefore, since the proposed project is within the range of what was contemplated in the 2019 PEIR, no new potentially significant impact would occur, and further study of this issue is not warranted.

Applicable Compliance Measures, Mitigation Measures, and Project Design Features

There are no applicable compliance measures or project design features from the 2019 PEIR related to global climate change, and no mitigation for subsequent projects was identified in the 2019 PEIR. Mitigation Measure MM GHG-1 is not applicable to the proposed project as implementation of the Climate Action and Adaptation Plan (CAAP) is specific to the adoption of the LUE/UDE and is not applicable to an individual development project.

~~**MM GHG 1** — The City of Long Beach (City) shall develop and adopt a greenhouse gas (GHG) Reduction Plan or Climate Action and Adaptation Plan (CAAP) to ensure that the City continues on a trajectory that aligns with the short-term, interim, and long-term State GHG reduction goals. Within approximately 36 months of adoption of the proposed General Plan Land Use Element (LUE)/Urban Design Element (UDE) project, the City of Long Beach shall prepare and present a CAAP to the City Council for adoption. The CAAP shall identify strategies to be implemented to reduce GHG emissions associated with the City. In addition, the City shall monitor GHG emissions by updating its community-wide GHG emissions inventory every 5 years upon adoption of the initial CAAP, which will include details on how the reduction programs will be implemented and will designate responsible parties to monitor progress and ensure implementation of the reductions within the CAAP. A monitoring and reporting program shall be included to ensure the CAAP achieves the reduction targets.~~

5.8 HAZARDS AND HAZARDOUS MATERIALS

Based on the Initial Study for the 2019 General Plan PEIR (Appendix A in the 2019 General Plan PEIR), all significance thresholds for hazards and hazardous materials were identified as having less than significant or no impacts. Hazardous materials are chemicals that could potentially cause harm during an accidental release or mishap, and are defined by the United States Department of Labor (2017) as being toxic, corrosive, flammable, reactive, an irritant, or strong sensitizer.² Hazardous substances include all chemicals regulated under the United States Department of Transportation “hazardous materials” regulations and the United States Environmental Protection Agency (USEPA) “hazardous waste” regulations. Hazardous wastes require special handling and disposal because of their potential to damage public health and the environment. The probable frequency and severity of consequences from the routine transport, use, or disposal of hazardous materials is affected by the type of substance, the quantity used or managed, and the nature of the activities and operations.

The adopted LUE allows for the intensification, redistribution, and development of currently undeveloped parcels with higher-density development. The proposed project consists of redevelopment of an outdoor pipe storage yard as two industrial warehouse buildings. Approval of the proposed project could include any physical improvements that could generate hazardous materials or create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials. The proposed project would result in construction activities that would potentially use a limited amount of hazardous and flammable substances/oils (e.g., fuels, lubricants, and solvents) typical during heavy equipment operation. The amount and use of hazardous chemicals during future construction activities would be regulated by existing government rules and regulations, such as the Hazardous Materials Transportation Act, the Resource Conservation and Recovery Act, and the California Code of Regulations (CCR, Title 22).

The proposed project could result in long-term operational activities that would result in the use and storage of potentially hazardous materials. However, such materials would be required to be contained, stored, and used in accordance with manufacturers’ instructions and handled in compliance with applicable standards and regulations. In addition, the proposed project would be required to comply with LU Policy 20-12, which requires the preparation of predemolition surveys for asbestos-containing materials (ACMs), lead-based paints (LBPs), polychlorinated biphenyls (PCBs), and mold on properties where such materials have been identified and/or if there is a likelihood that these materials pose a hazard at the subject property. LU Policy 20-12 also requires preparation of a Contingency Plan that would outline procedures to be followed should unknown hazardous materials be encountered on the subject property during construction activities. Therefore, the proposed project would not create a significant hazard through the routine transport, use, or disposal of hazardous materials; create a significant hazard through reasonable foreseeable

² A “sensitizer” is a chemical that can cause a substantial proportion of people or animals to develop an allergic reaction in normal tissue after repeated exposure to a chemical. Source: United States Department of Labor. 2017. Appendix A to Sections 1910.1200—Health Hazard Criteria, Section A.4, Respiratory or Skin Sensitization. Website: <https://www.osha.gov/laws-regs/regulations/standard-number/1910/1910.1200AppA> (accessed March 9, 2021).

upset and accident conditions involving the release of hazardous materials; or be located on a hazardous materials site. Further, the proposed project would be required to evaluate the potential for the emission of hazardous materials within 0.25 mile of an existing or proposed school.

A Phase I Environmental Site Assessment Report (Appendix G) was prepared for the project, and recommended that a soil management plan (SMP) should be prepared for management of any debris and/or lead-impacted soil that may be encountered during planned re-development activities. The site reconnaissance did not identify any recognized environmental conditions (RECs) associated with the current outdoor pipe storage yard operations at the project site. A city-owned parcel with a lead-impacted soil stockpile covered with vegetation adjoins the northern portion of the project site immediately to the west and is considered a Business Environmental risk (BER). Some residual lead-impacted debris remains in place, including beneath the building, along the western property line, and beneath a Southern California Edison electrical pole. Since Long Beach Department of Human Health Services (DHHS) has issued a No Further Action (NFA) letter for the residual contamination in place, while left undisturbed it is considered a Controlled REC. In light of planned redevelopment activities that may disturb this soil during grading, however, it constitutes a REC.

LU Policy 20-12 also requires preparation of a Contingency Plan that would outline procedures to be followed should unknown hazardous materials be encountered on the subject property during construction activities. The operation of the proposed industrial project shall comply with all regulatory standards for any transport of incidental hazardous materials. Therefore, the proposed project would not create a significant hazard through the routine transport, use, or disposal of hazardous materials; would not create a significant hazard through reasonable foreseeable upset and accident conditions involving the release of hazardous materials; and would not be located on a hazardous materials site. Further, the proposed project would be required to evaluate the potential for the emission of hazardous materials within 0.25 mile of an existing or proposed school.

The proposed project would be required to comply with land use, noise, and height regulations outlined in the Airport Land Use Plan (ALUP) prepared for the Long Beach Airport and the Airport Environs Land Use Plan prepared for the Los Alamitos Joint Forces Training Base. The proposed project would not interfere with air traffic patterns, conflict with established Federal Aviation Administration (FAA) flight protection zones, conflict with building height standards established by the FAA for structures on and adjacent to the Long Beach Airport, or result in the exposure of people residing in the area to excessive airport noise.

The proposed project would be required to comply with policies set forth in the City's General Plan Public Safety Element (1975) related to emergency preparedness and evacuation procedures. The subject project site is not adjacent to wildlands and is not designated as being at risk for wildfires by the California Department of Forestry and Fire Protection (CAL FIRE). Therefore, implementation of the proposed project would not result in impacts related to emergency response activities or wildland fires.

For the reasons outlined above, impacts with respect to hazards and hazardous materials are not evaluated further for the proposed project.

The proposed project would be located in existing urban area and would not result in impacts associated with the alteration of a stream or river or in the addition of substantial amounts of impervious surfaces. The City is subject to the requirements of the *Waste Discharge Requirements for Municipal Separate Storm Sewer System Discharges from the City of Long Beach* (City of Long Beach MS4 Permit), Order No. R4-2014-0024, NPDES No. CAS004003. The proposed project is

classified as a New Development or Redevelopment Project as specified in the City of Long Beach MS4 Permit, and therefore is required to submit a Standard Urban Storm Water Mitigation Plan (SUSMP) and a Low Impact Development (LID) Plan (pursuant to LU Policy 20-12). Projects classified as New Development or Redevelopment Projects would be required to submit SUSMPs and LID Plans based on final approved plans. These plans would identify BMPs to be implemented during operation to control stormwater pollutants and runoff to minimize impacts related to the violation of water quality standards or waste discharge requirements and related to the alteration of existing drainage patterns. Further, operational BMPs would be implemented where treatment BMPs likely currently do not exist, which would improve stormwater quality discharges from those sites. Therefore, implementation of the proposed project would not result in impacts associated with the violation of water quality standards and/or waste discharge requirements or with the alteration of a stream or river or drainage patterns.

As stated above, groundwater supply for the City is considered to be very reliable, even during multi-year droughts because extractions are strictly limited and because multiple forms of replenishment exist. The proposed project would increase impervious surface areas in a manner that would substantially decrease infiltration, result in the substantial depletion of groundwater supplies, or interfere with groundwater recharge. New landscape areas and site infrastructure improvements would ensure compliance with regulatory standards in comparison to the existing outdoor pipe storage yard.

According to Figure LU-1 in the adopted LUE, most of the City is located in areas that are not within Federal Emergency Management Agency (FEMA) 100-year flood zones, with the exception of areas near the Port of Long Beach, Downtown, and Naples Island. As such, the adopted LUE includes LU Policy 20-12, which requires future applicants to obtain development permits from the City's Floodplain Administrator for projects proposed in FEMA special flood hazard areas to minimize flooding impacts to people and structures.

According to the City's Seismic Safety Element (1988) and the California Emergency Management Agency (Cal EMA), the majority of the City is not located within a zone of seiche areas. Similarly, the majority of the City is located outside of the Tsunami Inundation Zone, with the exception of the Port of Long Beach and in areas along the coastline and Los Angeles and San Gabriel Rivers. However, in the event of a tsunami, the City has established response procedures as described in the City of Long Beach Natural Hazards Mitigation Plan.

For the reasons outlined above, impacts with respect to hydrology and water quality are not evaluated further for the proposed project.

5.10 LAND USE AND PLANNING

		2019 PEIR Determination	New Potentially Significant Impact Not Identified in 2019 PEIR	No Impact/ No Change to 2019 PEIR
Would the project:				
4.4.2	Cause a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect?	Less than Significant Impact	☐	☒

The Initial Study prepared for the 2019 PEIR determined that implementation of the LUE and UDE would result in less than significant impacts related to the division of an established community (Threshold 4.4.1). Therefore, impacts with respect to this threshold are not evaluated further for the proposed project.

Impact Analysis

4.4.2 Would the project cause a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect?

As described in the 2019 PEIR, development of future projects under the LUE/UDE are subject to consistency with the California Coastal Act, the Local Coastal Program (LCP), the SCAG 2008 Regional Comprehensive Plan (RCP), the SCAG RTP/SCS, the City's General Plan, the Port Master Plan (PMP), the Airport Land Use Plan (ALUP), and any applicable specific plans. The proposed project does not include any development or changes to land uses within the City's Coastal Zone and, therefore, the proposed project would be consistent with applicable goals and policies outlined in the Coastal Act. The adopted LUE/UDE includes Project Design Feature PDF 4.4.1, which mandates a Zone Change Program and LCP update to ensure that changes facilitated by the adopted LUE were consistent with the Zoning Code and the LCP.

The proposed project would be consistent with the current IG Zoning District as well as the flexibility of uses and development standards envisioned in the NI PlaceType within the approved LUE. As such, no zone change would be required as part of this project. Impacts related to consistency with the SCAG 2008 RTP and SCAG RTP/SCS would be similar to those analyzed in the 2019 PEIR, and would remain less than significant. In addition, the proposed project would not conflict with an adopted specific plan, the PMP, or the ALUP. The proposed project is consistent with the Land Use PlaceType identified for the project site in the 2019 PEIR; therefore, the proposed project's impact related to land use and planning is included within the 2019 PEIR analysis of the LUE/UDE. Therefore, the proposed project would not conflict with the City's Zoning Code. As the proposed project is consistent with the goals and provisions of the adopted LUE/UDE, no new potentially significant impact would occur. Further study of this issue is not warranted.

Applicable Compliance Measures, Mitigation Measures, and Project Design Features

There are no applicable compliance measures for this project from the 2019 PEIR related to land use and planning. No mitigation for subsequent projects was identified in the 2019 PEIR. Project Design Feature PDF 4.4.1 is not applicable to the proposed project as implementation of the Zone Change Program and Local Coastal Program (LCP) update is specific to the adoption of the LUE/UDE and is not the responsibility of any individual development project.

~~**PDF 4.4.1** — To ensure that the proposed project complies with and would not conflict with or impede the City of Long Beach (City) Zoning Code, the proposed project shall implement a Zone Change Program and Local Coastal Program (LCP) update to ensure that changes facilitated by the adopted Land Use Element (LUE) are consistent with the Zoning Code and LCP. The Zone Change Program and LCP update shall be implemented to the satisfaction of the City Director of Development Services, or designee, and shall include the following specific performance criteria to be implemented within 5 years from the date of project approval:~~

- ~~• **Year 1:** Within the first 12 months following project approval, all Land Use Element/Zoning Code/LCP inconsistencies shall be identified and mapped. The City shall evaluate these inconsistencies and prioritize areas needing intervention.~~
- ~~• **Year 2:** Following the identification and mapping of any zoning and LCP inconsistencies, the City shall, within 24 months following project approval, begin processing zone changes, zone text amendments, and LCP updates in batches, as required to ensure that the Zoning Code and LCP are consistent with the adopted LUE.~~
- ~~• **Year 3:** The City shall, within 36 months following project approval, begin drafting new zones, or begin preparation of a comprehensive Zoning Code and LCP update, to better reflect the PlaceTypes identified in the adopted LUE.~~
- ~~• **Year 5:** All zoning and LCP inconsistencies shall be resolved through mapping and text amendments by the end of the fifth year following project approval. The City shall also submit the updated LCP to the California Coastal Commission (CCC) for consideration and approval by the end of the fifth year following project approval.~~

5.11 MINERAL RESOURCES

Based on the Initial Study for the 2019 General Plan PEIR (Appendix A in the 2019 General Plan PEIR), all significance thresholds for mineral resources were identified as having no impact.

The proposed project is an example of an infill site that is already developed and would be redeveloped under the proposed project. The project site is not currently used for oil or natural gas extraction.

According to the City's General Plan Conservation Element (1973), the mineral resources within the City have historically consisted of oil and natural gas. However, over the last century, oil and natural gas extractions have diminished as the resources have become increasingly depleted. Although extraction operations continue, they are on a reduced scale as compared to past historic levels. The proposed project does not include any physical improvements that would result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the State. For these reasons, project-related impacts with respect to mineral resources are not evaluated further for the proposed project.

5.12 NOISE

		2019 PEIR Determination	New Potentially Significant Impact Not Identified in 2019 PEIR	No Impact/ No Change to 2019 PEIR
Would the project:				
4.5.1	Generate a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?	Significant and Unavoidable Impact	☐	☒
4.5.2	Generate excessive groundborne vibration or groundborne noise levels?	Less than Significant Impact with Mitigation	☐	☒
4.5.3	For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within 2 miles of a public airport or public use airport, expose people residing or working in the project area to excessive noise levels?	No Impact	☐	☒

Impact Analysis

4.5.1 *Would the project generate a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?*

As described in the 2019 PEIR, construction activities associated with development anticipated under the LUE/UDE would be subject to compliance with the City's Noise Ordinance to ensure that noise impacts from construction sources are reduced. Some projects may have unusual or extremely loud construction activities (e.g., pile driving, nighttime construction work, or unusually long construction duration, etc.). Therefore, construction projects may result in a substantial increase in ambient noise levels, and mitigation would be required. Mitigation Measure MM NOI-1 would require future construction projects to implement construction best management practices to reduce potential construction-period noise impacts for nearby sensitive receptors. Although Mitigation Measure MM NOI-1 would reduce construction noise associated with future projects because the location, the proximity to sensitive receptors, and the type of construction equipment associated with new construction projects were unknown at the time the 2019 PEIR was drafted, construction noise impacts were considered significant and unavoidable in the 2019 PEIR.

A Noise Impact Analysis (Appendix H) was prepared for the project. To assess the existing noise level environment, 24-hour noise level measurements were taken at four locations in the project study area. The receiver locations were selected to describe and document the existing noise environment within the project study area. In addition, to assess the potential for long-term operational and short-term construction noise impacts, four sensitive receiver locations, as shown on Exhibit 6-A in Appendix H, were identified as representative locations for analysis.

The on-site Project-related noise sources are expected to include: loading dock activity, truck movements, roof-top air conditioning units, parking lot vehicle movements, and trash enclosure activity. This noise analysis is intended to describe the noise level impacts associated with the expected typical operational activities at the project site. As indicated on Tables 7-6 and 7-7 in Appendix H, the project will generate daytime and nighttime operational noise level increases ranging from 0.0 to 0.2 dBA L_{eq} at the nearby receiver locations. Therefore, the incremental project operational noise level increase is considered less than significant at all receiver locations.

Noise generated by the Project construction equipment will include a combination of trucks, power tools, concrete mixers, and portable generators that when combined can reach high levels. The number and mix of construction equipment are expected to occur in the following stages: Demolition, Site Preparation, Grading, Building Construction, Paving, and Architectural Coating. The construction noise analysis shows that the nearest receiver locations will satisfy the reasonable daytime 80 dBA L_{eq} significance threshold during project construction activities as shown on Table 8-3 in Appendix H. Therefore, the noise impacts due to project construction noise is considered less than significant at all receiver locations.

The proposed project is consistent with the Land Use PlaceType identified for the project site in the 2019 PEIR; therefore, the proposed project's impact related to noise is within the range of what was contemplated in the 2019 PEIR analysis of the LUE/UDE. With incorporation of Mitigation Measure MM NOI-1, construction and operation of the proposed project would not substantially increase the severity of ambient noise levels beyond those identified in the 2019 PEIR, and no new impacts beyond those identified in the 2019 PEIR would occur. Therefore, no further study of this issue is warranted.

4.5.2 Would the project generate excessive groundborne vibration or groundborne noise levels?

As discussed in the 2019 PEIR, implementation of the LUE/UDE included policies and strategies that protect sensitive receptors from vibration in excess of acceptable levels. Therefore, with implementation of Mitigation Measure MM NOI-1, the 2019 PEIR determined that the LUE/UDE would result in less than significant impacts related to the exposure of persons to excessive groundborne vibration and/or ground-borne noise levels.

The Noise Impact Analysis (Appendix H) estimates the potential vibration impacts during construction of the project. Table 8-5 in Appendix H presents the expected Project related vibration levels at the nearby receiver locations. At distances ranging from 936 to 1,613 feet from project construction activities, construction vibration velocity levels are estimated to be 0.000 in/sec PPV. Based on maximum acceptable continuous vibration threshold of 0.3 PPV (in/sec) for older residential buildings, the typical Project construction vibration levels will satisfy the building damage thresholds at all receiver locations. Therefore, the vibration impacts due to project construction noise is considered less than significant at all receiver locations.

The proposed project is consistent with the Land Use PlaceType identified for the project site in the 2019 PEIR; therefore, the proposed project's impact related to vibration is within the range of what was contemplated within the 2019 PEIR analysis of the LUE/UDE. With incorporation of Mitigation Measure MM NOI-1, the proposed project would not generate any new operational vibration or

groundborne noise conditions not anticipated in the 2019 PEIR, and no new impacts beyond those identified in the 2019 PEIR would occur. Therefore, no further study of this issue is warranted.

4.5.3 *For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within 2 miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?*

As described in the 2019 PEIR, aircraft noise in the City is primarily related to aircraft operations at Long Beach Airport, Los Angeles International Airport, and John Wayne Airport. Long Beach Airport is located centrally within the City, approximately 3 miles northeast of downtown. As stated in Section 16.43.050 of the Municipal Code, it is the goal of the City that incompatible property in the vicinity of the airport shall not be exposed to noise levels above 65 dBA CNEL. Implementation of the LUE and UDE would locate business parks and airport-related land uses surrounding the airport and would not introduce any new noise-sensitive receptors within the 65 dBA noise contour. Therefore, the 2019 PEIR determined that the LUE/UDE would not result in the exposure of sensitive receptors to excessive noise levels from aircraft noise sources, and no mitigation was required.

Implementation of the proposed project would not change the location of business parks and airport related land uses surrounding the airport and would not introduce any new noise-sensitive receptors within the 65 dBA noise contour. Therefore, similar to the LUE/UDE, the proposed project would not result in the exposure of sensitive receptors to excessive noise levels from aircraft noise sources, and no new potentially significant impact would occur. Further study of this issue is not warranted.

Applicable Compliance Measures, Mitigation Measures, and Project Design Features

The proposed project is designed in compliance with applicable LUE and UDE Goals, Strategies, and Policies, which are intended to reduce noise and vibration impacts of future development envisioned under the 2019 PEIR including this project. In addition, the proposed project would be subject to compliance with the City's Noise Ordinance. The 2019 PEIR did not include compliance measures or project design features related to noise.

Mitigation Measure MM NOI-1 is applicable to the proposed project and would be required to ensure project impacts related to noise are less than significant.

MM NOI-1 Project contractors shall implement the following construction best management practices during construction activities:

- Schedule high-noise and vibration-producing activities to a shorter window of time during the day outside early morning hours to minimize disruption to sensitive uses.
- Grading and construction contractors shall use equipment that generates lower noise and vibration levels, such as rubber-tired equipment rather than metal-tracked equipment.

- Construction haul trucks and materials delivery traffic shall avoid residential areas whenever feasible.
- The construction contractor shall place noise- and vibration-generating construction equipment and locate construction staging areas away from sensitive uses whenever feasible.
- Locate equipment staging in areas that would create the greatest possible distance between construction-related noise sources and noise-sensitive receptors nearest the active project site during all project construction.
- Prohibit extended idling time of internal combustion engines.
- Ensure that all general construction-related activities are restricted to 7:00 a.m. and 7:00 p.m. on weekdays and federal holidays, and between 9:00 a.m. and 6:00 p.m. on Saturdays. No construction would be permitted on Sundays. Construction activities occurring outside of these hours may be permitted with authorization by the Building Official and/or permit issued by the Noise Control Officer.
- All residential units located within 500 feet of a construction site shall be sent a notice regarding the construction schedule. A sign legible at a distance of 50 feet shall also be posted at the construction site. All notices and the signs shall indicate the dates and durations of construction activities, as well as provide a telephone number for a “noise disturbance coordinator.”
- A “noise disturbance coordinator” shall be established. The disturbance coordinator shall be responsible for responding to any local complaints about construction noise. The disturbance coordinator shall determine the cause of the noise complaint (e.g., starting too early or bad muffler, etc.) and shall be required to implement reasonable measures to reduce noise levels.
- For all projects determined to have unusual or extremely loud construction activities (e.g., pile driving, nighttime construction work, or unusually long construction duration, etc.) that would generate noise levels over 90 dBA L_{eq} at nearby sensitive receptors, temporary noise control blanket barriers shall be installed in a manner to shield sensitive receptors land uses.

5.13 POPULATION AND HOUSING

	2019 PEIR Determination	New Potentially Significant Impact Not Identified in 2019 PEIR	No Impact/ No Change to 2019 PEIR
Would the project:			
4.6.1 Induce substantial unplanned population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?	Less than Significant Impact	☐	☒

The Initial Study prepared for the 2019 PEIR determined that impacts related to displacement of people or housing (Threshold 4.6.2) would be less than significant because there would be no physical improvements that would displace substantial numbers of existing housing or people. Therefore, impacts with respect to this threshold are not evaluated further for the proposed project.

Impact Analysis

4.6.1 Would the project induce substantial unplanned population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?

The 2019 PEIR found that implementation of the LUE/UDE would allow for an increase in population, employment, and housing in the City of Long Beach through horizon year 2040. With the exception of housing, this increase would be consistent with SCAG's regional growth forecasts for each of these areas for the same horizon year. However, much of the increase in housing units was expected to accommodate existing residents due to a combination of aging in place and overcrowded housing conditions, as identified in the Assessment of Fair Housing (AFH) report. Therefore, the 2019 PEIR determined that the LUE/UDE's growth-inducing potential would be less than significant, as it would not foster growth in excess of what is already anticipated in pertinent master plans, land use plans, or in projections made by regional planning agencies (e.g., SCAG). Further, because the LUE/UDE would facilitate an increase in non-residential uses, the 2019 PEIR concluded that the LUE/UDE would meet any increased demands for additional goods and services associated with the projected increase in population. In addition, under the LUE/UDE, improvements to public utilities, including new water, sanitary sewer, and storm water services would be identified on a project-specific basis as new developments are proposed. Infrastructure improvements associated with future development facilitated by the LUE/UDE would be sized appropriately for each project and would not be oversized to serve additional growth beyond that envisioned under the LUE. Therefore, the 2019 PEIR determined that the LUE/UDE would result in less than significant impacts with respect to the inducement of substantial unplanned population growth in an area, and no mitigation was required.

The proposed project involves the development of two new industrial warehouse buildings and the reuse of an existing 5,827-square-foot industrial building. The project would provide additional employment opportunities within the projected parameters of the 2019 PEIR. The proposed project

would not foster growth in excess of what is already anticipated in pertinent master plans, land use plans, or in projections made by regional planning agencies (e.g., SCAG). The project does not include residences and, therefore, would not directly cause population growth. The project would create jobs that could indirectly cause population growth through employees that may relocate to the area. However, it is anticipated that employees would mainly come from the local existing labor workforce and generally would not relocate to the City of Long Beach. Therefore, the proposed project would not cause a substantial increase in population nor induce unplanned population growth.

Further, although the proposed project would facilitate an increase in employment and potential residents in the nearby area, the 2019 PEIR concluded that the LUE/UDE would meet any increased demands for additional goods and services associated with the projected increase in population. Infrastructure improvements associated with the proposed project would be sized appropriately and would not be oversized to serve additional growth beyond that envisioned under the adopted LUE/UDE. The proposed project is consistent with the Land Use PlaceType identified for the project site in the 2019 PEIR; therefore, the proposed project's impact related to population and housing is within the range of what was contemplated within the 2019 PEIR analysis of the LUE/UDE. Therefore, the proposed project would not substantially increase the severity of previously identified impacts in the 2019 PEIR, and no new impacts beyond those identified in the 2019 PEIR would occur. No further study of this issue is warranted.

Applicable Compliance Measures, Mitigation Measures, and Project Design Features

This project has been developed in adherence with the LUE and UDE Goals, Strategies, and Policies intended to reduce the impacts of future development envisioned under the 2019 PEIR. There are no applicable compliance measures or project design features related to population and housing from the 2019 PEIR to which this project must adhere. No mitigation for subsequent projects was identified in the 2019 PEIR.

5.14 PUBLIC SERVICES

	2019 PEIR Determination	New Potentially Significant Impact Not Identified in 2019 PEIR	No Impact/ No Change to 2019 PEIR
Would the project:			
Result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the public services:			
4.7.1 Fire protection?	Less than Significant Impact	☐	☒
4.7.2 Police protection?	Less than Significant Impact	☐	☒
4.7.3 Schools?	Less than Significant Impact	☐	☒
4.7.5 Other public facilities?	Less than Significant Impact	☐	☒

The Initial Study prepared for the 2019 PEIR determined that implementation of the LUE and UDE would result in less than significant impacts to parks (Threshold 4.7.4) because there would be no physical improvements that would result in substantial adverse physical impacts to parks. Therefore, impacts with respect to this threshold are not evaluated further for the proposed project.

Impact Analysis

Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the public services:

4.7.1 Fire protection?

As described in the 2019 PEIR, as a result of increased growth accommodated by the LUE/UDE, overall demands for fire protection services and emergency services in the City would increase. Consequently, additional Long Beach Fire Department (LBFD) resources (including staffing) would be required to provide fire protection for new residents, workers, and structures. The City's costs to maintain facilities and equipment as well as train and equip personnel would also increase. The costs of additional personnel and materials were anticipated to be offset through the increased

revenues and fees, such as property taxes, generated by future development. Future projects would be reviewed by the City on a project-by-project basis and would be required to comply with any requirements in effect when the review was conducted. Prior to the issuance of building permits, future project applicants would be required to pay the adopted fire facilities impact fees. The Lbfd would also continue to be supported by Proposition H revenue; the City's General Funds; the City's Tidelands operation revenue; and other revenue sources. Therefore, the 2019 PEIR determined that sufficient revenue would be available for necessary improvements to provide for adequate fire facilities, equipment, and personnel upon the anticipated General Plan build out. Additionally, the proposed PlaceType designations permitted the future development and operation of new stations within PlaceTypes. The LUE/UDE permitted the development of new stations, proposed no physical improvements, and required all future projects to assess project impacts on fire protection services. Therefore, the 2019 PEIR determined that impacts would be less than significant, and no mitigation was required.

The proposed project includes the construction of two new industrial buildings and the reuse of an existing industrial building consistent with the General Plan NI PlaceType and is within the range of what was contemplated in the 2019 PEIR analysis for the LUE/UDE. The proposed project would not substantially increase the demand for fire protection. In addition, the project applicant would be required to pay adopted development impact fees to offset any additional demand. Therefore, the proposed project would not result in impacts beyond those previously identified in the 2019 PEIR and further study of this issue is not warranted.

4.7.2 Police protection?

As described in the 2019 PEIR, the LUE/UDE did not include any physical improvements, but allowed for future development that was anticipated to create an increase in the typical range of police service calls within the City. New and/or additional police resources would be needed to prevent an impact to service ratios as a result of future growth accommodated by the LUE/UDE. The City's costs to maintain facilities and equipment as well as train and equip personnel would also increase. The costs of additional personnel and materials were anticipated to be offset through the increased revenues and fees, such as property taxes, generated by future development. Future projects would be reviewed by the City on a project-by-project basis and would need to comply with any requirements in effect when the review is conducted. Prior to the issuance of building permits, future project applicants would be required to pay the adopted police facilities impact fees. Additional police personnel and resources would be provided through the annual budget review process. Furthermore, the Long Beach Police Department (LBPD) would continue to be supported by Proposition H revenue, a per barrel tax on all oil producers in Long Beach; the City's Tidelands operation revenue; and other revenue sources. By following this process, sufficient revenue would be available for necessary service improvements to provide for adequate police facilities, equipment, and personnel under the anticipated General Plan build out. Therefore, the 2019 PEIR determined that impacts would be less than significant, and no mitigation was required.

The proposed project includes the construction of two new industrial buildings and the reuse of an existing industrial building consistent with the General Plan NI PlaceType and is within the range of what was contemplated in the 2019 PEIR analysis for the LUE/UDE. The proposed project would not

substantially increase the demands for police protection services. In addition, the project applicant would be required to pay adopted development impact fees to offset any additional demand. The proposed project would not result in a new impact beyond those previously identified in the 2019 PEIR and further study of this issue is not warranted.

4.7.3 Schools?

As described in the 2019 PEIR, implementation of the LUE/UDE allowed for the future development of up to 28,524 dwelling units by 2040, which would result in the generation of additional school-age children within the Long Beach Unified School District (LBUSD) service area. Of the 28,524 units, the City had identified a need for 21,476 housing units to address existing housing needs attributed to overcrowding. As such, the majority of the 28,524 anticipated new housing units would relieve overcrowding of existing households in the City, so those families were already being served by LBUSD. Still, the 2019 PEIR determined that this potential future growth had the potential to strain existing and/or planned school facilities.

Based on student generation factors and projected growth in the City, the 2019 PEIR determined that the anticipated General Plan build out was expected to result in an increase of 5,272 students. With the anticipated General Plan build out, elementary and middle school enrollment in LBUSD was expected to be within the 2017–2018 LBUSD facilities' capacity, but the total estimated enrollment for high schools in 2040 had the potential to exceed the LBUSD current facilities' capacity. All future development projects in the City would be required to pay school developer fees to LBUSD for the operation, maintenance, and development of schools to accommodate future student enrollment. If student growth generated by the anticipated General Plan build out exceeded the estimates identified above, the acquisition, modernization, or modification of school sites to accommodate additional facilities would be required. Additional school resources would also continue to be funded by an increase in tax revenue as a result of future growth. In addition, new housing units would be built over the course of 21 years, during which enrollment rates would likely fluctuate. Therefore, the 2019 PEIR determined that impacts of the LUE/UDE related to student generation and the potential need for additional school facilities would be less than significant, and no mitigation was required.

The proposed project does not include additional residences that would substantially increase the local population and necessitate new schools. Because the proposed project would not generate additional students in the LBUSD or directly affect any schools, no impact would occur.

As required by the 2019 PEIR, the applicable projects would be required to pay school developer fees to LBUSD for the operation, maintenance, and development of schools to accommodate future enrollment. The proposed project is consistent with the General Plan NI PlaceType and is within the range of what was contemplated in the 2019 PEIR analysis for the LUE/UDE. Therefore, with payment of the associated school developer fees, the proposed project would not result in a new impact related to schools that was not previously identified in the 2019 PEIR, and further study of this issue is not warranted.

4.7.5 *Other public facilities?*

As described in the 2019 PEIR, the LUE/UDE introduced PlaceTypes that would facilitate an increase in housing units in the City and could increase the demand for library facilities. Demand for library services is typically determined based on the size of the resident population. Because the City has not formally adopted a service standard of library space per capita, the 2019 PEIR utilized the target of 0.45 sf per capita established in the City's budget for Fiscal Year 2007. Using this standard and the estimated future population of approximately 484,485, the 2019 PEIR determined that the Long Beach Public Library (LBPL) system would need to contain a total of 218,0195 sf to meet this target. In total, the existing LBPL system had approximately 237,695 sf of library facilities, which was greater than the City's threshold for providing library services for both the existing population and the projected demand generated by the anticipated build out of the General Plan. In addition, the 2019 PEIR took into account that technology continues to evolve as does residential demand for electronic library services and resources. With the increased demand for electronic resources, the 2019 PEIR determined that it may be valuable to measure library services by more than a square footage per capita benchmark. Although the new library at the City's Civic Center was smaller in square footage than the original library, the new library makes more efficient use of its space. Therefore, the loss of library square footage was not considered a loss of library volumes or available resources to serve the existing and projected population in the City. It was anticipated that the demand for electronic materials will continue to increase, potentially reducing the amount of square footage to service library patrons. Therefore, the 2019 PEIR determined that the LUE/UDE's increase in demand on library services can be served by the existing facilities and would not adversely affect library services in the City. As such, the LUE/UDE was determined to have less than significant impacts related to public libraries, and no mitigation was required.

The proposed project does not include additional residences that would substantially increase the usage of existing government facilities in the City, such as libraries. As described in the 2019 PEIR, although certain projects would increase demand on library services, existing facilities would be able to accommodate this increase in demand, and no adverse effects to library services in the City would occur. The proposed project is consistent with the General Plan NI PlaceType and is within the range of what was contemplated in the 2019 PEIR analysis for the LUE/UDE. The proposed project would not create a new impact related to public libraries that was not previously identified in the 2019 PEIR, and further study of this issue is not warranted.

Applicable Compliance Measures, Mitigation Measures, and Project Design Features

This project has been developed in adherence with the LUE and UDE Goals, Strategies, and Policies intended to reduce the impacts of future development envisioned under the 2019 PEIR.

There are no applicable compliance measures or project design features related to public services from the 2019 PEIR to which this project must adhere. No mitigation for subsequent projects was identified in the 2019 PEIR.

5.15 RECREATION

Based on the Initial Study for the 2019 General Plan PEIR (Appendix A in the 2019 General Plan PEIR), all significance thresholds for recreation were identified as having less than significant impacts. According to the adopted LUE, the planning area currently contains 100 public parks with 25 community centers, 2 tennis centers, 5 municipal golf courses, and a marina system. Overall, the citywide total for recreation uses is approximately 2,750 acres. Furthermore, the adopted LUE established the Open Space PlaceType to preserve existing parks and recreational facilities, while also creating additional parks and urban open spaces to increase connectivity between these resources and surrounding neighborhoods. In addition, one of the primary goals of the adopted LUE is to “create, restore, and preserve open space” uses in the City, including parks and recreation uses. For example, LU Policy 18-7 calls for prioritizing the location of new parks in underserved or low-income communities with the lowest ratio of park space per thousand residents. The City will continue to pursue open space goals and a policy as set forth in the City’s General Plan Open Space and Recreation Element (2002), which itself is consistent with the LUE and the UDE.

The proposed project is an example of an infill site that is already developed and would be redeveloped under the proposed project. Implementation of the proposed project is within the range of what was contemplated in the 2019 PEIR and therefore would not result in significant impacts related to increased use and deterioration of recreational facilities, nor would it include recreational facilities or require the construction or expansion of recreational facilities that might have an adverse physical effect on the environment. As discussed above, Population and Housing, the project would not generate a direct increase in population growth on the project site; therefore, the proposed project would not directly affect any existing parks or increase demand for parks. Because the project would involve warehouse/manufacturing development that would not provide any recreational facilities on-site or generate demand for recreational facilities, no adverse impact related recreation would occur. The proposed project would not result in a new impact related to parks that was not previously identified in the 2019 PEIR, and impacts with respect to recreation are not evaluated further for the proposed project.

Implementation of the proposed project is within the range of what was contemplated in the 2019 PEIR, and therefore, would not result in significant impacts related to increased use and deterioration of recreational facilities, nor would it include recreational facilities or require the construction or expansion of recreational facilities that might have an adverse physical effect on the environment. Therefore, impacts with respect to recreation are not evaluated further for the proposed project.

5.16 TRANSPORTATION

		2019 PEIR Determination	New Potentially Significant Impact Not Identified in 2019 PEIR	No Impact/ No Change to 2019 PEIR
Would the project:				
4.8.1	Conflict with a program, plan, ordinance or policy addressing the circulation system, including transit, roadway, bicycle and pedestrian facilities?	Significant and Unavoidable Impact	☐	☒
4.8.2	Conflict or be inconsistent with CEQA Guidelines §15064.3, subdivision (b)?	Less than Significant Impact	☐	☒

The Initial Study prepared for the 2019 PEIR determined that that implementation of the LUE and UDE would result in less than significant impacts related to changes in the exposure to hazards due to a design feature (Threshold 4.8.3) and inadequate emergency access (Threshold 4.8.4). Therefore, impacts with respect to these thresholds are not evaluated further for the proposed project.

Impact Analysis

4.8.1 *Would the project conflict with a program plan, ordinance or policy addressing the circulation system, including transit, roadway, bicycle and pedestrian facilities?*

As described in the 2019 PEIR, the Traffic Impact Analysis (TIA) determined that 48 intersections could be significantly impacted by implementation of future development projects in the anticipated 2040 General Plan build out scenario based on the City's criteria. Potentially significant traffic impacts were also identified at freeway facilities. Although physical improvements that would retain the performance goal of level of service (LOS) D were identified, all of the physical improvements necessary for impacted intersections to function at LOS D are subject to constraints that render the addition of vehicle capacity infeasible. The City's Capital Improvement Program, Mobility Element (2013), and/or applicable specific plans were also reviewed for pending and planned vehicle and nonvehicle capacity improvements throughout the City. As such, applicants for future discretionary projects above a certain threshold would be required to comply with Mitigation Measure MM T-1. Mitigation Measure MM T-1 requires applicants for future projects to prepare a traffic improvement analysis to identify feasible physical improvements to reduce impacts at specified intersections within the planning area. While recommended improvements and implementation of Mitigation Measure MM T-1 could contribute to a reduced vehicle LOS, the effectiveness of these improvements was not able to be quantified at the time of preparation of the 2019 PEIR, as future specific projects had not been identified; therefore, these improvements were not considered as mitigation for the 48 impacted study area intersections for the purposes of CEQA. Therefore, impacts to the 48 intersections were considered significant and unavoidable for horizon year 2040 in the 2019 PEIR.

In addition to identifying significant and unavoidable impacts at the 48 impacted intersections based on the City's criteria, the TIA also identified significant impacts at 4 of the 10 monitored intersections within the study area based on Los Angeles County's 2010 Congestion Management Program (CMP) criteria. Despite recommended improvements in Mitigation Measure MM T-1, potentially significant impacts to California Department of Transportation (Caltrans) intersections and freeway facilities may remain significant and unavoidable. Therefore, the impacts to these intersections were considered significant and unavoidable for horizon year 2040 in the 2019 PEIR.

As demonstrated in the Trip Generation Assessment (Appendix I) prepared for the proposed project, the proposed project would generate, as shown on Table 3, the proposed project is anticipated to generate 416 two-way trips per day with 53 AM peak hour trips and 50 PM peak hour trips. Consistent with the City's *Traffic Impact Analysis Guidelines* (June 2020), a passenger car equivalent (PCE) factor of 2.0 has been applied to the heavy trucks. The proposed project is anticipated to generate 468 two-way PCE trips per day with 56 PCE AM peak hour trips and 53 PCE PM peak hour trips. Table 4 in Appendix I shows the trip generation comparison and the resulting net change in trips between the currently adopted General Plan land use and the proposed project. In an effort to conduct a conservative comparison, the trip generation based on PCE has been utilized for the proposed project. The proposed project would result in 270 fewer two-way trips per day and a net reduction of 43 AM peak hour trips and 35 PM peak hour trips (in PCE). The development of the proposed project is anticipated to generate fewer than 50 new peak hour trips (in PCE) and fewer than 500 net new two-way trips per day in comparison to the currently adopted General Plan land use. Based on the City's TIA Guidelines, additional traffic operations analysis is not necessary.

The trip generation analysis conducted for the project found that the proposed project is screened out from further Vehicle Miles Traveled (VMT) analysis and is deemed to have no significant transportation impacts because it meets one of the adopted screening criteria, which is that the project as proposed is a low trip generator. Because, the project is both consistent with the adopted General Plan and generates total daily trips and peak hour trips that are below the thresholds in the City's adopted VMT guidelines (fewer than 50 peak hour trips or 500 average daily trips), the proposed project is expected to have a low VMT and no further transportation analysis is required. As the proposed project is anticipated to generate less trips than the currently adopted General Plan land use and the thresholds identified in the adopted *Traffic Impact Analysis Guidelines* (June 2020) would not be exceeded, Mitigation Measure MM T-1 is not applicable to the proposed project. Furthermore, no new impacts were identified in the Traffic Generation Assessment (Appendix I) that warranted additional mitigation. Implementation of the proposed project is not anticipated to conflict with a program plan, ordinance, or policy addressing the circulation system, including transit, roadway, bicycle, and pedestrian facilities. Therefore, the proposed project would not substantially increase the severity of previously identified impacts in the 2019 PEIR, and no new impacts beyond those identified in the 2019 PEIR would occur. No further study of this issue is warranted.

A Vehicle Miles Traveled Screening Analysis was completed for the proposed project (see Appendix J). The purpose of the VMT assessment is to evaluate the proposed project based on Senate Bill 743 (SB 743) requirements and the adopted City of Long Beach Traffic Impact Analysis Guidelines (June 2020) (City Guidelines). The following discussion is based on the VMT Screening Analysis.

The City Guidelines identifies that small projects that generate fewer than 500 ADT would generate GHG emissions below applicable thresholds and would therefore be considered less than significant. The trip generation rates used for this analysis are based on the Trip Generation Assessment (Appendix I) for the project. The Project is estimated to generate a total 416 vehicle trip ends per day, which is below the identified City threshold. Based on review of applicable VMT screening thresholds, the project was found to meet the low trip generator VMT screening criteria. The project would therefore be assumed to result in a less than significant VMT impact; no additional VMT analysis is required.

4.8.2 Would the project conflict or be inconsistent with CEQA Guidelines §15064.3, subdivision (b)?

As described in the 2019 PEIR, the 2016–2040 RTP/SCS provided calculations of VMT derived from the Regional Travel Demand Model. VMT per capita is anticipated to decline in the future as a result of previous planning efforts and is anticipated to decline further due to the elements of the 2016–2040 RTP/SCS. VMT per capita in Long Beach is lower in the existing condition than the region as a whole and in Los Angeles County.

With implementation of the 2016–2040 RTP/SCS, VMT per capita in Long Beach is anticipated to be lower than the region as a whole and in Los Angeles County. Similar to the trend shown in the 2016–2040 RTP/SCS, the 2019 PEIR determined that VMT in Long Beach is projected to decline as a result of planning efforts. In absolute terms, VMT in Long Beach was expected to be reduced from 9,482,252 per day in the existing condition to 9,028,327 with implementation of the LUE/UDE (a 5 percent decrease). The population was expected to increase as VMT declines, resulting in a decrease in VMT per capita per day from 19.9 to 18.2 (a 9 percent decrease).

The 2019 PEIR determined that land use changes proposed in the LUE/UDE would result in more efficient travel during the morning and evening peak commute hours (i.e., lower VMT during the peak periods). However, VMT during off-peak times was expected to increase slightly with the LUE/UDE as compared to the previous LUE. These off-peak VMT are generated by discretionary trips associated with the number of households in the City. Because implementation of the LUE/UDE reduces overcrowding compared to the previous land use distribution, the number of discretionary trips increases; similarly, the off-peak VMT increases, and subsequently, the total VMT as compared to the no project scenario increases. The existing VMT per household was 56.9 per day, which is anticipated to decline in the future to 49.9 per day without implementation of the LUE/UDE. The efficiency of the distribution of land uses in the LUE/UDE would reduce this further to 46.1 VMT per day per household (a 19 percent decrease from existing conditions).

The State of California has concurrent goals of reducing VMT and increasing housing supply to improve affordability and reduce overcrowding. Implementation of the LUE/UDE increases the number of housing units to reduce overcrowding in Long Beach. The efficiency of the location of land uses in the project (i.e., infill development policies and sites) results in a 19 percent decrease in VMT per household compared to the existing conditions. Other measures of VMT, including per capita and absolute terms, also decline compared to the existing conditions. With implementation of the LUE/UDE, VMT per capita in Long Beach remains lower than the region as a whole and lower than Los Angeles County. Because the measures of VMT in absolute terms and per capita decrease

from the existing conditions with the LUE/UDE and the measure of VMT per household decreases from existing conditions and from the current LUE, the 2019 PEIR determined that the LUE/UDE would have a less than significant impact related to State CEQA Guidelines Section 15064.3 subdivision (b), and no mitigation was required.

The proposed project, which would include construction of two industrial buildings and reuse of an existing industrial building, is within the range of development contemplated in the 2019 PEIR analysis for the LUE/UDE. A Vehicle Miles Traveled Screening Analysis was completed for the proposed project (see Appendix J). According to the Long Beach Traffic Analysis Guidelines, the proposed project would be screened from preparing a more detailed VMT analysis because it is a small project with fewer than 500 daily trips. Based on the substantial evidence presented in the City of Long Beach Traffic Impact Analysis Guidelines (June 2020), the proposed project would not substantially increase the severity of previously identified impacts in the 2019 PEIR, and no new impacts beyond those identified in the 2019 PEIR would occur. No further study of this issue is warranted.

Applicable Compliance Measures, Mitigation Measures, and Project Design Features

This project has been developed in adherence with the LUE and UDE Goals, Strategies, and Policies intended to direct growth to areas served by transit and encourage compact pedestrian and bicycle-friendly development patterns and urban design. There are no compliance measures or project design features related to transportation and traffic from the 2019 PEIR that are applicable to the project.

Mitigation Measure T-1 is not applicable as the proposed project would generate less than 100 peak-hour trips as demonstrated in Appendix I.

~~**MM T 1** Prior to approval of any discretionary project that is forecast to generate 100 or more peak-hour trips, as determined by the City of Long Beach (City) Traffic Engineer, the property owners/developers shall prepare a traffic improvement analysis of any facilities under the jurisdiction of Caltrans at which the project is anticipated to contribute 50 or more peak-hour trips, analyzing the impact on such State transportation facilities where Caltrans has previously prepared a valid traffic study, as identified below, and identified feasible operational and physical improvements and has determined the associated fees necessary to mitigate project-related impacts. The fair share cost of such improvements shall be assessed if transportation analysis demonstrates such improvements can achieve vehicle level of service (LOS) D (as measured by Intersection Capacity Utilization or Highway Capacity Manual methodology) or an improved vehicle level of service, if LOS D cannot be feasibly achieved. The Conditions of Approval for the project shall require the property owner/developer to construct, bond for, or pay reasonable fair share fees to the City who will work jointly with Caltrans to implement such improvements, unless alternative funding sources have been identified.~~

~~In the event that Caltrans prepares a valid study, as defined below, that identifies fair share contribution funding sources attributable to and paid from private~~

~~development to supplement other regional and State funding sources necessary to undertake improvements of impacted State transportation facilities, then the project applicant shall use reasonable efforts to pay the applicable fair share amount to Caltrans. The study shall be reviewed and approved by the California Transportation Commission. It shall include fair share contributions related to private development based on nexus requirements contained in the Mitigation Fee Act (Govt. Code § 66000 et seq.) and 14 Cal. Code of Regs. § 15126.4(a)(4) and, to this end, the study shall recognize that impacts to Caltrans facilities that are not attributable to development located within the City of Long Beach are not required to pay in excess of such developments' fair share obligations. The fee study shall also be compliant with Government Code § 66001(g) and any other applicable provisions of law. If Caltrans chooses to accept the project Applicant's fair share payment, Caltrans shall apply the payment to the fee program adopted by Caltrans or agreed upon by the City and Caltrans as a result of the fair share fee study.~~

5.17 UTILITIES AND SERVICE SYSTEMS

		2019 PEIR Determination	New Potentially Significant Impact Not Identified in 2019 PEIR	No Impact/ No Change to 2019 PEIR
Would the project:				
4.9.1	Require or result in the relocation or construction of new or expanded water, wastewater treatment or stormwater drainage, electric power, natural gas, or telecommunications facilities, the construction or relocation of which could cause significant environmental effects?	Less Than Significant Impact	☐	☒
4.9.2	Have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry and multiple dry years?	Less Than Significant Impact	☐	☒
4.9.3	Result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?	Less Than Significant Impact	☐	☒
4.9.4	Generate solid waste in excess of State or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals?	Less Than Significant Impact	☐	☒

The Initial Study prepared for the 2019 PEIR determined that implementation of the LUE and UDE would result in less than significant impacts related to compliance with federal, State, and local statutes and regulations related to solid wastes (Threshold 4.9.5). Therefore, impacts with respect to this threshold are not evaluated further for the proposed project.

Impact Analysis

4.9.1 Would the project require or result in the relocation or construction of new or expanded water, wastewater treatment or stormwater drainage, electric power, natural gas, or telecommunications facilities, the construction or relocation of which could cause significant environmental effects?

Water

As discussed in the 2019 PEIR, future development projects facilitated by the LUE/UDE would result in an increased water demand. The project-related increase in water demand in 2040 was expected to be less than 1 percent of the Long Beach Water Department's (LBWD) total projected water supply for horizon year 2040. As such, water supplies were expected to be sufficient to meet all demands through horizon year 2040 during normal, single dry year, and multiple dry year hydrologic conditions. As noted in the 2019 PEIR, the project-related increase in demand for water may not be directly correlated with the increase in housing units since the majority of anticipated new units are needed to alleviate overcrowding of existing residences that were already using water. The future

development facilitated by the LUE/UDE would comply with water conservation measures, including pertinent provisions of the CALGreen Code building efficiency standards (Title 24, Part 11) regarding the use of water-efficient fixtures. Policies and programs outlined in the 2015 Urban Water Management Plan (2015 UWMP) and the approved LUE would reduce water consumption and wastewater flow during operation, which would decrease the overall burden on existing water facilities and decrease the number of facilities that would be needed to be constructed or expanded. Additionally, under AB 610, a Water Supply Assessment (WSA) would be required for certain projects. Individual projects occurring under the LUE/UDE would be required to prepare a WSA if they meet any of the requirements under AB 610. Because future development that may occur with implementation of the LUE/UDE was determined to be consistent with water demands in the 2015 UWMP and because the LBWD had identified a surplus water supply to provide the projected water demands through horizon year 2040, the future project-related demand for water was determined to be consistent with the City's UWMP. Therefore, the 2019 PEIR determined that the LUE/UDE would not result in the need for additional water infrastructure. Impacts were determined to be less than significant, and no mitigation was required.

As a project contemplated within the scope of the 2019 PEIR analysis for the LUE/UDE, water supplies under the proposed project are expected to be sufficient to meet all demands through horizon year 2040 during normal, single dry year, and multiple dry year hydrologic conditions. As noted in the 2019 PEIR, the project-related increase in demand for water may not be directly correlated with the increase in housing units since the majority of anticipated new units are needed to alleviate overcrowding of existing residences that were already using water. The proposed project would comply with water conservation measures, including pertinent provisions of the CALGreen Code building efficiency standards (Title 24, Part 11) regarding the use of water-efficient fixtures. Policies and programs outlined in the 2015 UWMP and the approved LUE would reduce water consumption and wastewater flow during operation, which would decrease the overall burden on existing water facilities and decrease the number of facilities that would be needed to be constructed or expanded. A WSA is only required for the development of proposed industrial, manufacturing, or processing plant, or industrial park planned to house more than 1,000 persons, occupying more than 40 acres of land, or having more than 650,000 square feet of floor area, and the proposed project does not exceed this threshold. Therefore, no WSA will be required for the proposed project. Because future development associated with implementation of the LUE/UDE is consistent with water demands in the 2015 UWMP, because the LBWD had identified a surplus water supply to provide the projected water demands through horizon year 2040, and because the project is consistent with future development contemplated under the 2019 PEIR, the future project-related demand for water is consistent with the City's UWMP. Therefore, the proposed project would not substantially increase the severity of previously identified impacts in the 2019 PEIR, and no new impacts beyond those identified in the 2019 PEIR would occur. No further study of this issue is warranted.

Wastewater

As described in the 2019 PEIR, short-term demand for wastewater treatment services may occur during construction activities associated with future projects facilitated by the LUE/UDE. Sanitary services during construction of future projects were expected to be provided by portable toilet

facilities, which would transport waste off site for treatment and disposal. The demand for wastewater treatment services during construction would be temporary and would generate minimal wastewater compared to the demand for wastewater treatment services associated with the anticipated General Plan build out scenario under the LUE/UDE. As described in the 2019 PEIR, following the anticipated General Plan build out, the wastewater flow generated under the LUE/UDE was estimated to be approximately 4 percent of the remaining capacity of existing Los Angeles County Sanitation District (LACSD) facilities. This projection was anticipated to be conservative and representative of a worst-case scenario because the majority of new housing units to be developed as part of the LUE/UDE were required to alleviate overcrowding of existing housing units for existing Long Beach residents who were already generating wastewater. In addition, as noted in the 2019 PEIR, new units are likely to use significantly less water and thereby generate less wastewater due to building codes requiring reduced water consumption and reduced landscaping associated with proposed multi-family residential units, which accounted for the majority of new residential development under the LUE/UDE. Therefore, the 2019 PEIR determined that the projected future increase in wastewater flows associated with development that may occur with implementation of the LUE/UDE would not exceed the treatment requirements of the Regional Water Quality Control Board (RWQCB) for the Joint Water Pollution Control Plant (JWPCP) and the Long Beach Water Reclamation Plant (WRP) of the LACSD. As discussed in the 2019 PEIR, future development projects facilitated by the LUE/UDE will be reviewed by the City on a project-by-project basis and will be required to comply with any requirements in effect when the review is conducted, including sewer capacity considerations as part of the City development review and approval process. Improvements and upgrades to sewer lines would continue to be prioritized based on need and would occur throughout the planning period under the LUE/UDE. As such, the 2019 PEIR determined that impacts related to wastewater treatment during construction and operation would be less than significant, and the LUE/UDE would not have necessitated the construction of wastewater supply or conveyance facilities. No mitigation was required.

Short-term demand for wastewater treatment services may occur during construction activities associated with the proposed project. However, sanitary services during construction of the proposed project are expected to be provided by portable toilet facilities, which would transport waste off site for treatment and disposal. Nevertheless, the demand for wastewater treatment services during construction under the proposed project would be temporary and would generate minimal wastewater. The proposed project is consistent with the Land Use PlaceType identified for the project site in the 2019 PEIR; therefore, the proposed project would be included within the estimated wastewater flow under the LUE/UDE, which was estimated to be approximately 4 percent of the remaining capacity of existing LACSD facilities. However, as discussed previously, new units and non-residential developments are likely to use significantly less water and thereby generate less wastewater due to building codes requiring reduced water consumption and reduced landscaping associated with proposed development. Therefore, projected future increase in wastewater flows associated with development that may occur with implementation of the proposed project would not exceed the treatment requirements of the RWQCB for the JWPCP and the Long Beach WRP of the LACSD. The proposed project would be required to comply with any requirements, including sewer capacity considerations, as part of the City development review and approval process. The proposed project is consistent with the location, intensity and type of future development contemplated under the 2019 PEIR analysis for the LUE/UDE. Therefore, the proposed project would

not substantially increase the severity of previously identified wastewater impacts in the 2019 PEIR, and no new impacts beyond those identified in the 2019 PEIR would occur. No further study of this issue is warranted.

Stormwater Drainage

As described in the 2019 PEIR, future development facilitated by the LUE/UDE is required to comply with the provisions of the National Pollution Discharge Elimination System (NPDES) General Permit for Storm Water Discharges Associated with Construction and Land Disturbance Activities (Construction General Permit), or any other subsequent applicable permits. The Construction General Permit requires preparation of a Storm Water Pollution Prevention Plan (SWPPP) to identify Construction BMPs in order to reduce impacts to water quality, including those impacts associated with soil erosion, siltation, spills, and increased runoff. Furthermore, as individual projects facilitated by the LUE/UDE are proposed, the City would review grading plans and construction documents to identify project features aimed at reducing construction impacts to storm drain facilities. Where necessary, the City would identify project conditions to ensure the adequate capacity and operation of the storm drain system during construction activities. Therefore, the 2019 PEIR determined that construction activities associated with implementation of the LUE/UDE would not require or result in the relocation or construction of new stormwater drainage systems, the construction of which would cause significant environmental impacts. As described in the 2019 PEIR, development of projects facilitated by the LUE/UDE could increase impervious surface area, which could reduce infiltration and increase runoff. Future projects would be reviewed on a project-by-project basis and would need to comply with any requirements in effect when the review is conducted, including payment of Development Fees to fund future improvements to the City's stormwater infrastructure. Such improvements were outlined in the City's 2019 Capital Improvement Program and included upgrades related to storm drain pipelines, pump stations, and stormwater monitoring equipment. Depending on the size and nature of the future projects, a Water Quality Management Plan (WQMP) would be developed to address post-construction urban runoff and stormwater pollution from new development and significant redevelopment projects. Future projects are also required to comply with goals and policies outlined in the adopted LUE that were aimed at reducing stormwater runoff and mitigating off-site impacts related to pollutants entering natural water bodies. Therefore, the 2019 PEIR determined that the LUE/UDE would result in less than significant impacts related to the construction or expansion of stormwater drainage facilities, and no mitigation was required.

Refer to Section 5.9, Hydrology and Water Quality, of this Environmental Compliance Checklist. The proposed project would comply with current NPDES and Los Angeles County MS4 permit regulations pertaining to the retention of stormwater and detention of site runoff into storm drains. Additionally, the Chapter 18.74 of the LBMC regulates the implementation of the LIDs and BMPs for projects in the City. Compliance with these requirements would reduce potential impacts to local stormwater drainage facilities to a less than significant level.

The proposed project is located on a site over one acre in size and therefore would be required to obtain coverage under and comply with the requirements of the Construction General Permit. In addition, the proposed project would disturb soil and would be required to submit an Erosion and Sediment Control Plan to the City for review and approval (required by LU Policy 20-12), which would identify BMPs to reduce construction-related pollutants discharged to the stormdrain system.

Additionally, because the proposed project would be developed on an existing outdoor pipe storage yard, the proposed project would result in a net increase in impervious surface area. As specified by the City's MS4 Permit, because the proposed project would be classified as a significant redevelopment project, the preparation and implementation of a WQMP would be required. The WQMP would specify post-construction BMPs to reduce stormwater pollution from the project site. Further, the proposed project would comply with goals and policies outlined in the proposed LUE that were aimed at reducing stormwater runoff and mitigating off-site impacts related to pollutants entering natural water bodies. For the reasons outlined above, the proposed project would not substantially increase the severity of previously identified stormwater drainage impacts in the 2019 PEIR, and no new impacts beyond those identified in the 2019 PEIR would occur. No further study of this issue is warranted.

Telecommunications facilities

As described in the 2019 PEIR, construction activities associated with future projects facilitated by the LUE/UDE would not increase the demand for telecommunications facilities, and thus would not require or result in the construction of new or the relocation of existing telecommunication facilities. However, development facilitated by the LUE/UDE could result in the need for new or relocated telecommunications facilities. Similar to the existing market conditions, Spectrum Communications, Frontier Communications, and AT&T U-Verse would extend existing services to meet the increased demand for telephone, internet, and cable services as future developments are proposed. Where necessary, infrastructure improvements would be made to existing telecommunications facilities in order to meet customer demands. Environmental impacts associated with future improvements to telecommunications facilities were anticipated to be minimal, as these facility areas would have previously been disturbed through association with past infrastructure improvements. In addition, any major improvements to telecommunications facilities would be reviewed on a project-by-project basis, and would comply with any applicable regulations in place at the time such development is proposed. Therefore, the 2019 PEIR determined that the implementation of the LUE/UDE would result in less than significant impacts related to the construction or relocation of existing telecommunications facilities, and no mitigation was required.

Similar to the existing market conditions, the telecommunications business offering service to the project site (Spectrum Communications, Frontier Communications, or AT&T U-Verse) would extend existing services to meet the increased demand for telephone, internet, and cable services under the proposed project. Environmental impacts associated with the proposed project related to telecommunications facilities are anticipated to be minimal, as these facility areas have previously been disturbed through association with past infrastructure improvements. Further, the project site is located in a built-out urban area where such telecommunications services currently are provided. Therefore, because the proposed project is consistent with the NI PlaceType, and is within the range of what was contemplated in the 2019 PEIR, the project would not substantially increase the severity of previously identified telecommunications impacts in the 2019 PEIR, and no new impacts beyond those identified in the 2019 PEIR would occur. No further study of this issue is warranted.

4.9.2 Would the project have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry and multiple dry years?

Refer to the discussion under, Threshold 4.9.1. The proposed project would not substantially increase the severity of previously identified impacts in the 2019 PEIR, and no new impacts beyond those identified in the 2019 PEIR would occur. No further study of this issue is warranted.

4.9.3 Would the project result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?

Refer to the discussion under, Threshold 4.9.1. The proposed project would not substantially increase the severity of previously identified impacts in the 2019 PEIR, and no new impacts beyond those identified in the 2019 PEIR would occur. No further study of this issue is warranted.

4.9.4 Would the project generate solid waste in excess of State or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals?

As described in the 2019 PEIR, construction of future projects facilitated by the LUE/UDE would generate demolition waste. Construction waste would be recycled pursuant to Chapter 18.67, Construction and Demolition Recycling Program, of the City's Municipal Code. Under the Municipal Code, projects requiring demolition or building permits are required to divert at least 60 percent of all construction and demolition material from landfills. As described in the 2019 PEIR, solid waste generated by operations associated with future development under the LUE/UDE would be collected by the City's Environmental Services Bureau and hauled to the Southeast Resource Recovery Facility (SERRF). Under the LUE/UDE, the City was forecast to generate approximately 1.62 million pounds of solid waste in 2040, or an increase of approximately 193,744 lbs/day. The 2019 PEIR determined that sufficient landfill capacity exists in the region to serve solid waste generated by the LUE/UDE. In addition, all future projects facilitated by the LUE/UDE would be required to comply with federal, State, and local statutes and regulations related to solid waste. Therefore, the 2019 PEIR determined that impacts related to solid waste generation would be less than significant, and no mitigation was required.

Construction waste generated under the proposed project would be recycled pursuant to Chapter 18.67, Construction and Demolition Recycling Program, of the City's Municipal Code. Under the Municipal Code, projects requiring demolition or building permits are required to divert at least 60 percent of all construction and demolition material from landfills. Solid waste generated by operations activities associated with the proposed project would be collected by the City's Environmental Services Bureau and hauled to the SERRF. The 2019 PEIR forecast that the City would generate approximately 1.62 million pounds of solid waste in 2040, or an increase of approximately 193,744 lbs/day. The proposed project is within the range of what was contemplated in the 2019 PEIR analysis for the LUE buildout in the year 2040. As sufficient landfill capacity exists in the region to serve solid waste generated by the proposed project, and because the proposed project would be

required to comply with federal, State, and local statutes and regulations related to solid waste, no new impacts beyond those identified in the 2019 PEIR would occur. No further study of this issue is warranted.

Applicable Compliance Measures, Mitigation Measures, and Project Design Features

This project has been developed in adherence with the LUE and UDE Goals, Strategies, and Policies intended to reduce the impacts of future development envisioned under the 2019 PEIR. There are no applicable compliance measures or project design features related to utilities and service systems from the 2019 PEIR to which this project must adhere. No mitigation for subsequent projects was identified in the 2019 PEIR.

5.18 ENERGY

		2019 PEIR Determination	New Potentially Significant Impact Not Identified in 2019 PEIR	No Impact/ No Change to 2019 PEIR
Would the project:				
4.10.1	Result in a potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources during project construction or operation?	Less than Significant Impact	☐	☒
4.10.2	Conflict with or obstruct a state or local plan for renewable energy or energy efficiency?	Less than Significant Impact	☐	☒

Impact Analysis

4.10.1 *Would the project result in a potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources during project construction or operation?*

Electricity. As described in the 2019 PEIR, energy would be consumed throughout construction and operation of future projects facilitated by implementation of the LUE/UDE. As such, the LUE/UDE would facilitate energy consumption during construction for the transportation of building materials, manufacturing of building materials, and the actual construction of buildings and infrastructure improvements. The LUE/UDE would also facilitate energy consumption during operation associated with building heating and cooling, use of consumer products, lighting, and vehicular traffic. The projected electricity demand in the City in 2040 is expected to be approximately 117.18 percent greater than the existing electricity demand. However, many of the land uses under the approved LUE/UDE would replace existing uses that already utilize electricity resources. Furthermore, energy efficiency technologies would continue to improve through horizon year 2040. New facilities required to support the project-related demand for electricity would be constructed in accordance with the demand for the new service. Potential environmental impacts would be evaluated on a project-by project basis. However, because the City is largely built out, it is not anticipated that major new facilities are necessary to serve new development facilitated by implementation of the LUE/UDE for the horizon year of the General Plan build out (2040). Therefore, the 2019 PEIR determined that impacts were less than significant, and no mitigation was required.

The proposed project includes the construction of two industrial buildings and the reuse of an existing 5,827 square foot industrial building that would consume electricity during construction and throughout operation of the project. During construction of the proposed project, energy consumption would occur during the transportation of building materials, manufacturing of building materials, and the actual construction of buildings and infrastructure improvements. Energy consumption during operation would be associated with building heating and cooling, use of consumer products, lighting, and vehicular traffic.

An Energy Analysis (Appendix K) was prepared to analyze the anticipated energy demands for the proposed project. As shown on Table 4-3 (Appendix K), the total electricity usage from on-site project construction related activities is estimated to be approximately 99,696 kWh. As shown in Table 4-18 (Appendix K), the proposed Project is anticipated to require less electricity when compared to facility energy demands of the currently adopted General Plan land use. Project facility operational energy demands are estimated at 848,589 kWh/year of electricity. The project proposes conventional industrial uses reflecting contemporary energy efficient/energy conserving designs and operational programs. The project does not propose uses that are inherently energy intensive and the energy demands in total would be comparable to other industrial uses of similar scale and configuration.

The proposed project is consistent with the Land Use PlaceType identified for the project site in the 2019 PEIR; therefore, the proposed project's electricity demand is included within the 2019 PEIR analysis of the LUE/UDE. Furthermore, it is anticipated that the City has existing infrastructure to support the electricity demands of the proposed project, and the construction of new facilities would not be required. Therefore, the proposed project would not substantially increase the severity of previously identified electricity impacts in the 2019 PEIR, and no new impacts beyond those identified in the 2019 PEIR would occur. No further study of this issue is warranted.

Natural Gas. The 2019 PEIR found that future development that would occur under the LUE/UDE would generate an approximately 16.34 percent increase in natural gas demand. The 2019 PEIR assumed the anticipated General Plan build out, which is a worst-case analysis, since it is unknown how much of the proposed residential and non-residential uses would actually be constructed. In addition, many of the land uses as proposed under the LUE/UDE would replace existing uses that already utilize natural gas resources. Under the LUE/UDE, gas service would be added to the existing system operated and maintained by the Long Beach Energy Resources (ER) Department, as necessary, to meet the requirements of individual projects within the City. Because future developments considered under the LUE/UDE had not yet been designed or proposed, the specific improvements to existing natural gas facilities needed to serve future developments were unknown at the time of the preparation of the 2019 PEIR. Potential environmental impacts would be evaluated on a project-by project basis. However, because the City is largely built out, it is not anticipated that major improvements would be necessary to serve the City and new development facilitated by the LUE/UDE. Therefore, the 2019 PEIR determined that impacts were less than significant, and no mitigation was required.

The Energy Analysis (Appendix K) was prepared for the proposed project. As shown in Table 4-18 (Appendix K), the proposed Project is anticipated to require less natural gas demand when compared to facility energy demands of the currently adopted General Plan land use. Project facility operational energy demands are estimated at 919,553 kBtu/year of natural gas. The project proposes conventional industrial uses reflecting contemporary energy efficient/energy conserving designs and operational programs. The project does not propose uses that are inherently energy intensive and the energy demands in total would be comparable to other industrial uses of similar scale and configuration.

Gas service for the proposed project would be added to the existing system operated and maintained by the Long Beach ER Department. The proposed project is consistent with the Land Use

PlaceType identified for the project site in the 2019 PEIR; therefore, the proposed project's natural gas demand is included within the approximate 16.34 percent increase in natural gas demand as analyzed in the 2019 PEIR. Therefore, the proposed project would not substantially increase the severity of previously identified natural gas impacts in the 2019 PEIR. No new impacts beyond those identified in the 2019 PEIR would occur, and no further study of this issue is warranted.

Gasoline. From 2018 to 2040, the 2019 PEIR determined that VMT per capita is projected to decrease by approximately 9 percent, and VMT per household is projected to decrease by approximately 19 percent. The decrease in VMT per capita and per household would likely result in an associated decrease in the demand for gasoline. Moreover, the fuel efficiency of vehicles is expected to continue to increase and improve throughout the life of the LUE/UDE as new fuel economy standards are established. Therefore, the 2019 PEIR determined that the implementation of the LUE/UDE would not result in a substantial increase in transportation-related energy uses, such that it would result in a wasteful, inefficient, or unnecessary consumption of energy resources. Impacts were considered less than significant, and no mitigation was required.

The Energy Analysis (Appendix K) considered gasoline consumption for both construction and operation of the proposed project. Construction equipment used by the Project would result in single event consumption of approximately 61,967 gallons of diesel fuel. Construction equipment use of fuel would not be atypical for the type of construction proposed because there are no aspects of the project's proposed construction process that are unusual or energy-intensive, and project construction equipment would conform to the applicable CARB emissions standards, acting to promote equipment fuel efficiencies. Construction worker trips for full construction of the project would result in the estimated fuel consumption of 37,463 gallons of fuel. Additionally, fuel consumption from construction vendor and hauling trips (MHDTs and HHDTs) will total approximately 22,011 gallons. Diesel fuel would be supplied by City and regional commercial vendors. Indirectly, construction energy efficiencies and energy conservation would be achieved using bulk purchases, transport and use of construction materials. The studies have shown that fuel efficiencies are getting better within on and off-road vehicle engines due to more stringent government requirements. As supported by the preceding discussions, Project construction energy consumption would not be considered inefficient, wasteful, or otherwise unnecessary.

Fuel would be provided by current and future commercial vendors. Trip generation and VMT generated by the Project are consistent with other industrial uses of similar scale and configuration, as reflected respectively in the Institute of Transportation Engineers (ITE) Trip Generation Manual (10th Ed., 2017); and CalEEMod. As such, Project operations would not result in excessive and wasteful vehicle trips and VMT, nor excess and wasteful vehicle energy consumption compared to other industrial uses.

The proposed Project would implement project design features that would facilitate the accessibility, parking, and loading of trucks on site. Enhanced fuel economies realized pursuant to federal and state regulatory actions, and related transition of vehicles to alternative energy sources (e.g., electricity, natural gas, biofuels, hydrogen cells) would likely decrease future gasoline fuel demands per VMT. Location of the Project proximate to regional and local roadway systems tends to reduce VMT within the region, acting to reduce regional vehicle energy demands. The Project would implement sidewalks, facilitating and encouraging pedestrian access. Facilitating pedestrian and

bicycle access would reduce VMT and associated energy consumption. In compliance with the California Green Building Standards Code and City requirements, the Project would promote the use of bicycles as an alternative mean of transportation by providing short-term and/or long-term bicycle parking accommodations. As supported by the preceding discussions, Project transportation energy consumption would not be considered inefficient, wasteful, or otherwise unnecessary.

As described in the 2019 PEIR, the anticipated decrease in VMT per capita and per household, including the proposed project, would likely result in an associated decrease in the demand for gasoline. Moreover, the fuel efficiency of vehicles is expected to continue to increase and improve throughout the life of the proposed project as new fuel economy standards are established. The proposed project is consistent with the LUE/UDE. Transportation-related energy uses facilitated by implementation of the proposed project would be consistent with the LUE/UDE. Therefore, no new impacts beyond those identified in the 2019 PEIR would occur, and no further study of this issue is warranted.

4.10.2 Conflict with or obstruct a state or local plan for renewable energy or energy efficiency?

The 2019 PEIR found that future projects facilitated by the LUE/UDE would be required to comply with the CALGreen Code building efficiency standards (Title 24, Part 11) and the California Energy Code Building Energy Efficiency Standards (Title 24, Part 6), which includes provisions related to insulation and design aimed at minimizing energy consumption. Future projects facilitated by implementation of the LUE/UDE would be required to comply with goals, policies, and strategies outlined in the LUE and UDE that are aimed at reducing energy consumption in the planning area. These goals, policies, and strategies were developed in accordance with federal and State energy regulations, such as CALGreen Code building efficiency standards (Title 24, Part 11), the California Energy Code Building Energy Efficiency Standards (Title 24, Part 6), and SB 743, which are also aimed at reducing energy consumption. Therefore, the 2019 PEIR determined that the LUE/UDE was consistent with applicable plans related to renewable energy and energy efficiency, and no mitigation was required.

The proposed project is consistent with the Land Use PlaceType identified in the 2019 PEIR and would be required to comply with the CALGreen Code building efficiency standards (Title 24, Part 11) and the California Energy Code Building Energy Efficiency Standards (Title 24, Part 6), which includes provisions related to insulation and design aimed at minimizing energy consumption. Section 5.2 of the Energy Analysis (Appendix K) analyzes project's consistency with the applicable state and local plans. Additionally, the proposed project would be required to comply with goals, policies, and strategies outlined in the LUE and UDE that are aimed at reducing energy consumption in the City. Energy uses facilitated by implementation of the proposed project would be consistent with the LUE/UDE. Therefore, no new impacts beyond those identified in the 2019 PEIR would occur, and no further study of this issue is warranted.

Applicable Compliance Measures, Mitigation Measures, and Project Design Features

This project has been developed in adherence with the LUE and UDE Goals, Strategies, and Policies intended to reduce the impacts of future development envisioned under the 2019 PEIR. There are

no applicable compliance measures or project design features related to energy to which this project must adhere. No mitigation for subsequent projects was identified in the 2019 PEIR.

5.19 WILDFIRE

Based on the analysis contained in the 2019 General Plan PEIR, impacts associated with wildfires were determined to be less than significant. The California Department of Forestry and Fire Protection (CAL FIRE) publishes maps that predict the threat of fire in individual counties in the State; Local Responsibility Areas and State or Federal Responsibility Areas are classified as either very high fire hazard severity zones (VHFHSZ) or non-VHFHSZ based on factors including fuel availability, topography, fire history, and climate. The project area is not located in or near a State Responsibility Area and does not include land classified as VHFHSZ as defined by CAL FIRE.

The proposed project is an example of an infill site that is already developed and would be redeveloped under the proposed project. The proposed project would be required to comply with policies set forth in the City's General Plan Public Safety Element (1975) related to emergency preparedness and evacuation procedures. In addition, the proposed project would not result in the installation or maintenance of associated infrastructure that could exacerbate fire risk or that may result in temporary or ongoing impacts to the environment. Furthermore, since the surrounding area is generally built out, there are no properties adjacent to wildlands and there are no properties designated as being at risk for wildfires by CAL FIRE. Therefore, implementation of the proposed project would not result in impacts related to emergency response activities or wildfire risks. For these reasons, impacts with respect to wildfires are not evaluated further for the proposed project.

6.0 CONCLUSION

Based on the analysis contained in this Environmental Compliance Checklist, the proposed project will not result in any new environmental impacts not identified in the General Plan LUE/UDE Recirculated PEIR (2019 PEIR). Consistent with *State CEQA Guidelines* Section 15183,³ there are no effects peculiar to the project or project site or substantial new information that would result in new or more severe adverse impacts than discussed in the 2019 PEIR. Therefore, no further analysis or additional CEQA documentation is required for the project.

³ *State CEQA Guidelines* Section 15183 allows streamlining for projects that are consistent with the development density established by existing zoning, community plan, or general plan policies for which an EIR was certified.

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APPENDIX A

AIR QUALITY IMPACT ANALYSIS

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San Francisco Avenue

AIR QUALITY IMPACT ANALYSIS

CITY OF LONG BEACH

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LIST OF ABBREVIATED TERMS

%	Percent
°F	Degrees Fahrenheit
(1)	Reference
µg/m ³	Microgram per Cubic Meter
<i>1992 CO Plan</i>	<i>1992 Federal Attainment Plan for Carbon Monoxide</i>
<i>1993 CEQA Handbook</i>	<i>SCAQMD's CEQA Air Quality Handbook (1993)</i>
<i>2016-2040 RTP/SCS</i>	<i>2016-2040 Regional Transportation Plan/Sustainable Communities Strategy</i>
AB 2595	California Clean Air Act
AQIA	Air Quality Impact Analysis
AQMP	Air Quality Management Plan
BAAQMD	Bay Area Air Quality Management District
BC	Black Carbon
<i>Brief</i>	<i>Brief of Amicus Curiae by the SCAQMD in the Friant Ranch Case</i>
C ₂ Cl ₄	Perchloroethylene
C ₄ H ₆	1,3-butadiene
C ₆ H ₆	Benzene
C ₂ H ₃ Cl	Vinyl Chloride
C ₂ H ₄ O	Acetaldehyde
CAA	Federal Clean Air Act
CAAQS	California Ambient Air Quality Standards
CalEEMod	California Emissions Estimator Model
CalEPA	California Environmental Protection Agency
CALGreen	California Green Building Standards Code
CAPCOA	California Air Pollution Control Officers Association
CARB	California Air Resources Board
CCR	California Code of Regulations
CEC	California Energy Commission
CEQA	California Environmental Quality Act
<i>CEQA Guidelines</i>	<i>2020 CEQA Statute and Guidelines</i>
CFR	Code of Federal Regulations
CH ₂ O	Formaldehyde
City	City of Long Beach
CO	Carbon Monoxide
COH	Coefficient of Haze

COHb	Carboxyhemoglobin
Cr(VI)	Chromium
CTP	Clean Truck Program
DPM	Diesel Particulate Matter
DRRP	Diesel Risk Reduction Plan
EC	Elemental Carbon
EIR	Environmental Impact Reports
EMFAC	EMissions FAcTtor Model
EPA	Environmental Protection Agency
ETW	Equivalent Test Weight
FAR	Floor to Area Ratio
FHWA	Federal Highway Administration
FTA	Federal Transit Administration
GHG	Greenhouse Gas
GVWR	Gross Vehicle Weight Rating
H ₂ S	Hydrogen Sulfide
HDT	Heavy Duty Trucks
HI	Hazard Index
HHDT	Heavy-Heavy-Duty Trucks
hp	Horsepower
lbs	Pounds
lbs/day	Pounds Per Day
LDA	Light Duty Auto
LDR	Low Density Residential
LDT1/LDT2	Light-Duty Trucks
LHDT1/LHDT2	Light-Heavy-Duty Trucks
LST	Localized Significance Threshold
<i>LST Methodology</i>	Final Localized Significance Threshold Methodology
<i>LUE EIR</i>	<i>Final Recirculated Environmental Impact Report General Plan Land Use and Urban Design Elements SCH No. 2015051054</i>
MATES	Multiple Air Toxics Exposure Study
MCY	Motorcycles
MDV	Medium-Duty Vehicles
MHDT	Medium-Heavy-Duty Trucks
MICR	Maximum Individual Cancer Risk
MM	Mitigation Measures
mph	Miles Per Hour

MWELO	California Department of Water Resources' Model Water Efficient
N ₂	Nitrogen
N ₂ O	Nitrous Oxide
NAAQS	National Ambient Air Quality Standards
NO	Nitric Oxide
NO ₂	Nitrogen Dioxide
NO _x	Nitrogen Oxides
O ₂	Oxygen
O ₃	Ozone
O ₂ Deficiency	Chronic Hypoxemia
OBD-II	On-Board Diagnostic
OPR	Office of Planning and Research
Pb	Lead
PM ₁₀	Particulate Matter 10 microns in diameter or less
PM _{2.5}	Particulate Matter 2.5 microns in diameter or less
POLA	Port of Los Angeles
POLB	Port of Long Beach
ppm	Parts Per Million
Project	San Francisco Avenue
RECLAIM	Regional Clean Air Incentives Market
RFG-2	Reformulated Gasoline Regulation
ROG	Reactive Organic Gases
SB	Senate Bill
SCAB	South Coast Air Basin
SCAG	Southern California Association of Governments
SCE	Southern California Edison
SCAQMD	South Coast Air Quality Management District
sf	Square Foot or Square Feet
SIPs	State Implementation Plans
SO ₂	Sulfur Dioxide
SO ₄	Sulfates
SO _x	Sulfur Oxides
SoCalGas	The Southern California Gas Company
SRA	Source Receptor Area
TAC	Toxic Air Contaminant
TDM	Transportation Demand Management
Title 24	California Building Code

TITLE I	Non-Attainment Provisions
TITLE II	Mobile Sources Provisions
U.S.	United States
UFP	Ultra Fine Particles
UTRs	Utility Tractors
VMT	Vehicle Miles Traveled
VOC	Volatile Organic Compounds
vph	Vehicles Per Hour

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EXECUTIVE SUMMARY

Pursuant to California Environmental Quality Act (CEQA) § 15164 (a) the lead agency shall prepare an addendum to a previously certified Environmental Impact Report (EIR) if some changes or additions are necessary but none of the conditions described in §15162 calling for preparation of a subsequent EIR have occurred. More specifically, §15162 (a)(3)(A) states that no subsequent EIR shall be prepared for the project unless the project will have one or more significant effects not discussed in the previous EIR. Section 15162(a)(3)(B) states that no subsequent EIR shall be prepared for the project unless significant effects previously examined will be substantially more severe than shown in the previous EIR. Significant and unavoidable construction and operational impacts were previously identified and disclosed in the previously analyzed *Final Recirculated Environmental Impact Report General Plan Land Use and Urban Design Elements SCH No. 2015051054* (referred to herein as *LUE EIR*), which determined that construction and operational-related emissions of volatile organic compounds (VOCs), nitrogen oxides (NO_x), carbon monoxide (CO), particulate matter 10 microns in diameter or less (PM₁₀), and particulate matter 2.5 microns in diameter or less (PM_{2.5}) would exceed the South Coast Air Quality Management District's (SCAQMD) thresholds of significance (1).

Based on the project-specific analysis, the Project's air quality emissions would be the same as or less than what was disclosed in the *LUE EIR*; thus, the Project would not result in any new or more severe impacts to air quality beyond what was disclosed by the *LUE EIR*.

ES.1 SUMMARY OF FINDINGS

The results of this *San Francisco Avenue Air Quality Impact Analysis* (AQIA) are summarized below based on the significance criteria in Section 3 of this report consistent with Appendix G of the *CEQA Guidelines* (2). Table ES-1 shows the findings of less than significant for each potential air quality impact under CEQA. The Project is required to comply with the applicable *LUE EIR* Project Design Features and Mitigation Measures (MM). As shown, no MMs beyond those already identified in the *LUE EIR* are required.

TABLE ES-1: SUMMARY OF CEQA SIGNIFICANCE FINDINGS

Analysis	Section	Significance Findings			New Significant Impact?
		LUE EIR	Proposed Project		
			Unmitigated	Mitigated	
Regional Construction Emissions	3.4	Significant and Unavoidable	Less Than Significant	n/a	NO
Localized Construction Emissions	3.8	Significant and Unavoidable	Less Than Significant	n/a	NO
Regional Operational Emissions	3.5	Significant and Unavoidable	Less Than Significant	n/a	NO
Localized Operational Emissions	3.9	Significant and Unavoidable	Less Than Significant	n/a	NO
CO “Hot Spot” Analysis	3.10	Less Than Significant	Less Than Significant	n/a	NO
Air Quality Management Plan	3.11	Significant and Unavoidable	Less Than Significant	n/a	NO
Sensitive Receptors	3.12	Less Than Significant	Less Than Significant	n/a	NO
Odors	3.13	Less Than Significant	Less Than Significant	n/a	NO
Cumulative Impacts	3.14	Significant and Unavoidable	Less Than Significant	n/a	NO

ES.2 REGULATORY REQUIREMENTS

There are numerous requirements that development projects must comply with by law, and that were put in place by federal, State, and local regulatory agencies for the improvement of air quality.

Any operation or activity that might cause the emission of any smoke, fly ash, dust, fumes, vapors, gases, or other forms of air pollution, which can cause damage to human health, vegetation, or other forms of property, or can cause excessive soiling on any other parcel shall conform to the requirements of the SCAQMD.

SCAQMD RULES

SCAQMD Rules that are currently applicable during construction activity for this Project are described below.

SCAQMD RULE 403

This rule is intended to reduce the amount of particulate matter entrained in the ambient air as a result of anthropogenic (human-made) fugitive dust sources by requiring actions to prevent and reduce fugitive dust emissions. Rule 403 applies to any activity or human-made condition capable of generating fugitive dust and requires best available control measures to be applied to earth moving and grading activities.

Dust Control, Operations. Any operation or activity that might cause the emission of any smoke, fly ash, dust, fumes, vapors, gases, or other forms of air pollution, which can cause damage to human health, vegetation, or other forms of property, or can cause excessive soiling on any other parcel, shall conform to the requirements of the SCAQMD.

SCAQMD RULE 1113

This rule serves to limit the VOC content of architectural coatings used on projects in the SCAQMD. Any person who supplies, sells, offers for sale, or manufactures any architectural coating for use on projects.

TITLE 24

The proposed project is required to comply with Title 24 of the California Code of Regulations (CCR) established by the California Energy Commission (CEC) regarding energy conservation standards.

ES.3 PROJECT MITIGATION MEASURES

The Project would not result in an exceedance of any regional or localized construction or operational-source emissions thresholds. As such, the Project would not result in any significant impacts and no MMs are required.

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1 INTRODUCTION

This report presents the results of the AQIA prepared by Urban Crossroads, Inc., for the proposed San Francisco Avenue (Project). The purpose of this AQIA is to evaluate the potential impacts to air quality associated with construction and operation of the Project and recommend measures to mitigate impacts considered potentially significant in comparison to thresholds established by the SCAQMD.

1.1 SITE LOCATION

The proposed Project is located on the southwest corner of San Francisco Avenue and Anaheim Street in the City of Long Beach, as shown on Exhibit 1-A. Existing land uses near the site include nearby residences located east and southeast of the Project site. The Los Angeles River is located to the west of the Project site.

1.2 PROJECT DESCRIPTION

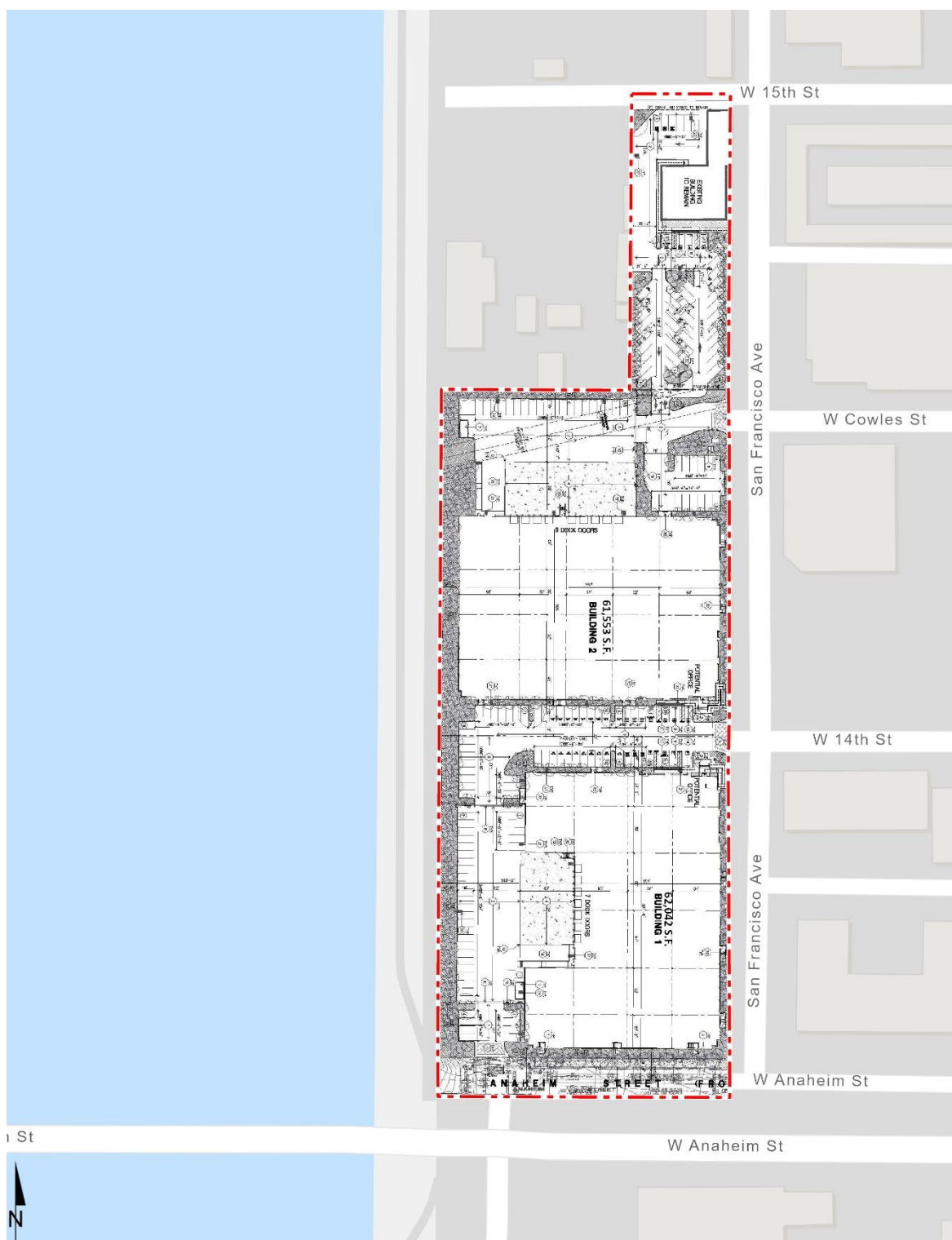
The proposed Project is to consist of two warehouse buildings totaling 123,595 square feet (sf) with Building 1 at 62,042 square feet, Building 2 at 61,553 square feet, and an existing 5,827 square foot building (to remain) as shown on Exhibit 1-B. For the purposes of this assessment, the mix of uses for the Project is assumed to consist of 61,797 square feet of warehousing use (no less than 50% warehousing use anticipated) and 61,798 square feet of general light industrial use (remaining 50% of the total square footage). The Project is anticipated to be open by the year 2022.

This analysis includes a conservative assumption of on-site Project-related emission sources for potential future tenants, including architectural coatings, consumer products, landscape maintenance equipment, emissions associated with natural gas and electricity, and mobile source emissions. This analysis is intended to describe air impacts associated with the expected operational activities at the Project site. This report assumes the Project will operate 24-hours daily for seven days per week.

EXHIBIT 1-A: LOCATION MAP



EXHIBIT 1-B: SITE PLAN



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2 AIR QUALITY SETTING

This section provides an overview of the existing air quality conditions in the Project area and region.

2.1 SOUTH COAST AIR BASIN (SCAB)

The Project site is located in the SCAB within the jurisdiction of SCAQMD (3). The SCAQMD was created by the 1977 Lewis-Presley Air Quality Management Act, which merged four county air pollution control bodies into one regional district. Under the Act, the SCAQMD is responsible for bringing air quality in areas under its jurisdiction into conformity with federal and state air quality standards. As previously stated, the Project site is located within the SCAB, a 6,745-square mile subregion of the SCAQMD, which includes portions of Los Angeles, Riverside, and San Bernardino Counties, and all of Orange County.

The SCAB is bounded by the Pacific Ocean to the west and the San Gabriel, San Bernardino, and San Jacinto Mountains to the north and east. The Los Angeles County portion of the Mojave Desert Air Basin is bounded by the San Gabriel Mountains to the south and west, the Los Angeles / Kern County border to the north, and the Los Angeles / San Bernardino County border to the east. The Riverside County portion of the Salton Sea Air Basin is bounded by the San Jacinto Mountains in the west and spans eastward up to the Palo Verde Valley.

2.2 REGIONAL CLIMATE

The regional climate has a substantial influence on air quality in the SCAB. In addition, the temperature, wind, humidity, precipitation, and amount of sunshine influence the air quality.

The annual average temperatures throughout the SCAB vary from the low to middle 60 degrees Fahrenheit (°F). Due to a decreased marine influence, the eastern portion of the SCAB shows greater variability in average annual minimum and maximum temperatures. January is the coldest month throughout the SCAB, with average minimum temperatures of 47°F in downtown Los Angeles and 36°F in San Bernardino. All portions of the SCAB have recorded maximum temperatures above 100°F.

Although the climate of the SCAB can be characterized as semi-arid, the air near the land surface is quite moist on most days because of the presence of a marine layer. This shallow layer of sea air is an important modifier of SCAB climate. Humidity restricts visibility in the SCAB, and the conversion of sulfur dioxide (SO₂) to sulfates (SO₄) is heightened in air with high relative humidity. The marine layer provides an environment for that conversion process, especially during the spring and summer months. The annual average relative humidity within the SCAB is 71 percent (%) along the coast and 59% inland. Since the ocean effect is dominant, periods of heavy early morning fog are frequent and low stratus clouds are a characteristic feature. These effects decrease with distance from the coast.

More than 90% of the SCAB's rainfall occurs from November through April. The annual average rainfall varies from approximately nine inches in Riverside to fourteen inches in downtown Los

Angeles. Monthly and yearly rainfall totals are extremely variable. Summer rainfall usually consists of widely scattered thunderstorms near the coast and slightly heavier shower activity in the eastern portion of the SCAB with frequency being higher near the coast.

Due to its generally clear weather, about three-quarters of available sunshine is received in the SCAB. The remaining one-quarter is absorbed by clouds. The ultraviolet portion of this abundant radiation is a key factor in photochemical reactions. On the shortest day of the year there are approximately 10 hours of possible sunshine, and on the longest day of the year there are approximately 14½ hours of possible sunshine.

The importance of wind to air pollution is considerable. The direction and speed of the wind determines the horizontal dispersion and transport of the air pollutants. During the late autumn to early spring rainy season, the SCAB is subjected to wind flows associated with the traveling storms moving through the region from the northwest. This period also brings five to ten periods of strong, dry offshore winds, locally termed “Santa Anas” each year. During the dry season, which coincides with the months of maximum photochemical smog concentrations, the wind flow is bimodal, typified by a daytime onshore sea breeze and a nighttime offshore drainage wind. Summer wind flows are created by the pressure differences between the relatively cold ocean and the unevenly heated and cooled land surfaces that modify the general northwesterly wind circulation over southern California. Nighttime drainage begins with the radiational cooling of the mountain slopes. Heavy, cool air descends the slopes and flows through the mountain passes and canyons as it follows the lowering terrain toward the ocean. Another characteristic wind regime in the SCAB is the “Catalina Eddy,” a low level cyclonic (counterclockwise) flow centered over Santa Catalina Island which results in an offshore flow to the southwest. On most spring and summer days, some indication of an eddy is apparent in coastal sections.

In the SCAB, there are two distinct temperature inversion structures that control vertical mixing of air pollution. During the summer, warm high-pressure descending (subsiding) air is undercut by a shallow layer of cool marine air. The boundary between these two layers of air is a persistent marine subsidence/inversion. This boundary prevents vertical mixing which effectively acts as an impervious lid to pollutants over the entire SCAB. The mixing height for the inversion structure is normally situated 1,000 to 1,500 feet above mean sea level.

A second inversion-type forms in conjunction with the drainage of cool air off the surrounding mountains at night followed by the seaward drift of this pool of cool air. The top of this layer forms a sharp boundary with the warmer air aloft and creates nocturnal radiation inversions. These inversions occur primarily in the winter when nights are longer and onshore flow is weakest. They are typically only a few hundred feet above mean sea level. These inversions effectively trap pollutants, such as NO_x and CO from vehicles, as the pool of cool air drifts seaward. Winter is therefore a period of high levels of primary pollutants along the coastline.

2.3 WIND PATTERNS AND PROJECT LOCATION

The distinctive climate of the Project area and the SCAB is determined by its terrain and geographical location. The SCAB is located in a coastal plain with connecting broad valleys and

low hills, bounded by the Pacific Ocean in the southwest quadrant with high mountains forming the remainder of the perimeter.

Wind patterns across the south coastal region are characterized by westerly and southwesterly onshore winds during the day and easterly or northeasterly breezes at night. Winds are characteristically light although the speed is somewhat greater during the dry summer months than during the rainy winter season.

2.4 CRITERIA POLLUTANTS

Criteria pollutants are pollutants that are regulated through the development of human health based and/or environmentally based criteria for setting permissible levels. Criteria pollutants, their typical sources, and health effects are identified below (4):

TABLE 2-1: CRITERIA POLLUTANTS

Criteria Pollutant	Description	Sources	Health Effects
CO	CO is a colorless, odorless gas produced by the incomplete combustion of carbon-containing fuels, such as gasoline or wood. CO concentrations tend to be the highest during the winter morning, when little to no wind and surface-based inversions trap the pollutant at ground levels. Because CO is emitted directly from internal combustion engines, unlike ozone (O ₃), motor vehicles operating at slow speeds are the primary source of CO in the SCAB. The highest ambient CO concentrations are generally found near congested transportation corridors and intersections.	Any source that burns fuel such as automobiles, trucks, heavy construction equipment, farming equipment and residential heating.	Individuals with a deficient blood supply to the heart are the most susceptible to the adverse effects of CO exposure. The effects observed include earlier onset of chest pain with exercise, and electrocardiograph changes indicative of decreased oxygen (O ₂) supply to the heart. Inhaled CO has no direct toxic effect on the lungs but exerts its effect on tissues by interfering with O ₂ transport and competing with O ₂ to combine with hemoglobin present in the blood to form carboxyhemoglobin (COHb). Hence, conditions with an increased demand for O ₂ supply can be adversely affected by exposure to CO. Individuals most at risk include fetuses, patients with diseases involving heart and blood vessels, and patients with chronic hypoxemia (O ₂ deficiency) as seen at high altitudes.

Criteria Pollutant	Description	Sources	Health Effects
SO ₂	SO ₂ is a colorless, extremely irritating gas or liquid. It enters the atmosphere as a pollutant mainly as a result of burning high sulfur-content fuel oils and coal and from chemical processes occurring at chemical plants and refineries. When SO ₂ oxidizes in the atmosphere, it forms SO ₄ . Collectively, these pollutants are referred to as sulfur oxides (SO _x).	Coal or oil burning power plants and industries, refineries, diesel engines	A few minutes of exposure to low levels of SO₂ can result in airway constriction in some asthmatics, all of whom are sensitive to its effects. In asthmatics, increase in resistance to air flow, as well as reduction in breathing capacity leading to severe breathing difficulties, are observed after acute exposure to SO₂. In contrast, healthy individuals do not exhibit similar acute responses even after exposure to higher concentrations of SO₂. Animal studies suggest that despite SO₂ being a respiratory irritant, it does not cause substantial lung injury at ambient concentrations. However, very high levels of exposure can cause lung edema (fluid accumulation), lung tissue damage, and sloughing off of cells lining the respiratory tract. Some population-based studies indicate that the mortality and morbidity effects associated with fine particles show a similar association with ambient SO₂ levels. In these studies, efforts to separate the effects of SO₂ from those of fine particles have not been successful. It is not clear whether the two pollutants act synergistically, or one pollutant alone is the predominant factor.

Criteria Pollutant	Description	Sources	Health Effects
NO _x	NO_x consist of nitric oxide (NO), nitrogen dioxide (NO₂) and nitrous oxide (N₂O) and are formed when nitrogen (N₂) combines with O₂. Their lifespan in the atmosphere ranges from one to seven days for nitric oxide and nitrogen dioxide, to 170 years for nitrous oxide. NO_x is typically created during combustion processes and are major contributors to smog formation and acid deposition. NO₂ is a criteria air pollutant and may result in numerous adverse health effects; it absorbs blue light, resulting in a brownish-red cast to the atmosphere and reduced visibility. Of the seven types of NO_x compounds, NO₂ is the most abundant in the atmosphere. As ambient concentrations of NO₂ are related to traffic density, commuters in heavy traffic may be exposed to higher concentrations of NO₂ than those indicated by regional monitoring station.	Any source that burns fuel such as automobiles, trucks, heavy construction equipment, farming equipment and residential heating.	Population-based studies suggest that an increase in acute respiratory illness, including infections and respiratory symptoms in children (not infants), is associated with long-term exposure to NO₂ at levels found in homes with gas stoves, which are higher than ambient levels found in Southern California. Increase in resistance to air flow and airway contraction is observed after short-term exposure to NO₂ in healthy subjects. Larger decreases in lung functions are observed in individuals with asthma or chronic obstructive pulmonary disease (e.g., chronic bronchitis, emphysema) than in healthy individuals, indicating a greater susceptibility of these sub-groups. In animals, exposure to levels of NO₂ considerably higher than ambient concentrations result in increased susceptibility to infections, possibly due to the observed changes in cells involved in maintaining immune functions. The severity of lung tissue damage associated with high levels of O₃ exposure increases when animals are exposed to a combination of O₃ and NO₂.
O ₃	O ₃ is a highly reactive and unstable gas that is formed when VOCs and NO _x , both byproducts of internal combustion engine exhaust, undergo slow photochemical reactions in the presence of sunlight. O ₃ concentrations are generally	Formed when reactive organic gases (ROG) and NO _x react in the presence of sunlight. ROG sources	Individuals exercising outdoors, children, and people with preexisting lung disease, such as asthma and chronic pulmonary lung disease, are considered to be the most susceptible sub-groups for O ₃ effects. Short-

Criteria Pollutant	Description	Sources	Health Effects
	highest during the summer months when direct sunlight, light wind, and warm temperature conditions are favorable to the formation of this pollutant.	include any source that burns fuels, (e.g., gasoline, natural gas, wood, oil) solvents, petroleum processing and storage and pesticides.	term exposure (lasting for a few hours) to O₃ at levels typically observed in Southern California can result in breathing pattern changes, reduction of breathing capacity, increased susceptibility to infections, inflammation of the lung tissue, and some immunological changes. Elevated O₃ levels are associated with increased school absences. In recent years, a correlation between elevated ambient O₃ levels and increases in daily hospital admission rates, as well as mortality, has also been reported. An increased risk for asthma has been found in children who participate in multiple outdoor sports and reside in communities with high O₃ levels. O₃ exposure under exercising conditions is known to increase the severity of the responses described above. Animal studies suggest that exposure to a combination of pollutants that includes O₃ may be more toxic than exposure to O₃ alone. Although lung volume and resistance changes observed after a single exposure diminish with repeated exposures, biochemical and cellular changes appear to persist, which can lead to subsequent lung structural changes.
Particulate Matter	PM ₁₀ : A major air pollutant consisting of tiny solid or liquid particles of soot, dust, smoke, fumes, and aerosols. Particulate matter pollution is a major cause of reduce visibility (haze) which is	Sources of PM ₁₀ include road dust, windblown dust and construction. Also formed from other pollutants (acid	A consistent correlation between elevated ambient fine particulate matter (PM ₁₀ and PM _{2.5}) levels and an increase in mortality rates, respiratory infections,

Criteria Pollutant	Description	Sources	Health Effects
	caused by the scattering of light and consequently the significant reduction air clarity. The size of the particles (10 microns or smaller, about 0.0004 inches or less) allows them to easily enter the lungs where they may be deposited, resulting in adverse health effects. Additionally, it should be noted that PM₁₀ is considered a criteria air pollutant. PM_{2.5}: A similar air pollutant to PM₁₀ consisting of tiny solid or liquid particles which are 2.5 microns or smaller (which is often referred to as fine particles). These particles are formed in the atmosphere from primary gaseous emissions that include SO₄ formed from SO₂ release from power plants and industrial facilities and nitrates that are formed from NO_x release from power plants, automobiles, and other types of combustion sources. The chemical composition of fine particles highly depends on location, time of year, and weather conditions. PM_{2.5} is a criteria air pollutant.	rain, NO_x, SO_x, organics). Incomplete combustion of any fuel. PM_{2.5} comes from fuel combustion in motor vehicles, equipment, and industrial sources, residential and agricultural burning. Also formed from reaction of other pollutants (acid rain, NO_x, SO_x, organics).	number and severity of asthma attacks and the number of hospital admissions has been observed in different parts of the United States (U.S.) and various areas around the world. In recent years, some studies have reported an association between long-term exposure to air pollution dominated by fine particles and increased mortality, reduction in lifespan, and an increased mortality from lung cancer. Daily fluctuations in PM_{2.5} concentration levels have also been related to hospital admissions for acute respiratory conditions in children, to school and kindergarten absences, to a decrease in respiratory lung volumes in normal children, and to increased medication use in children and adults with asthma. Recent studies show lung function growth in children is reduced with long term exposure to particulate matter. The elderly, people with pre-existing respiratory or cardiovascular disease, and children appear to be more susceptible to the effects of high levels of PM₁₀ and PM_{2.5}.
VOC	VOCs are hydrocarbon compounds (any compound containing various combinations of hydrogen and carbon atoms) that exist in the ambient air. VOCs contribute to the formation of smog through atmospheric photochemical reactions and/or may be toxic. Compounds of carbon (also known as organic	Organic chemicals are widely used as ingredients in household products. Paints, varnishes, and wax all contain organic solvents, as do many cleaning, disinfecting,	Breathing VOCs can irritate the eyes, nose, and throat, can cause difficulty breathing and nausea, and can damage the central nervous system as well as other organs. Some VOCs can cause cancer. Not all VOCs have all these health effects, though many have several.

Criteria Pollutant	Description	Sources	Health Effects
	compounds) have different levels of reactivity; that is, they do not react at the same speed or do not form O ₃ to the same extent when exposed to photochemical processes. VOCs often have an odor, and some examples include gasoline, alcohol, and the solvents used in paints. Exceptions to the VOC designation include CO, carbon dioxide, carbonic acid, metallic carbides or carbonates, and ammonium carbonate. VOCs are a criteria pollutant since they are a precursor to O ₃ , which is a criteria pollutant. The terms VOC and ROG (see below) interchangeably.	cosmetic, degreasing and hobby products. Fuels are made up of organic chemicals. All of these products can release organic compounds while you are using them, and, to some degree, when they are stored.	
ROG	Similar to VOC, ROG are also precursors in forming O ₃ and consist of compounds containing methane, ethane, propane, butane, and longer chain hydrocarbons, which are typically the result of some type of combustion/decomposition process. Smog is formed when ROG and NO _x react in the presence of sunlight. ROG are a criteria pollutant since they are a precursor to O ₃ , which is a criteria pollutant. The terms ROG and VOC (see previous) interchangeably.	Sources similar to VOCs.	Health effects similar to VOCs.
Lead (Pb)	Pb is a heavy metal that is highly persistent in the environment and is considered a criteria pollutant. In the past, the primary source of Pb in the air was emissions from vehicles burning leaded gasoline. The major sources of Pb emissions are ore and metals processing, particularly Pb smelters, and piston-engine aircraft operating on leaded aviation gasoline. Other stationary sources include	Metal smelters, resource recovery, leaded gasoline, deterioration of Pb paint.	Fetuses, infants, and children are more sensitive than others to the adverse effects of Pb exposure. Exposure to low levels of Pb can adversely affect the development and function of the central nervous system, leading to learning disorders, distractibility, inability to follow simple commands, and lower intelligence quotient. In adults, increased Pb levels are

Criteria Pollutant	Description	Sources	Health Effects
	waste incinerators, utilities, and lead-acid battery manufacturers. It should be noted that the Project does not include operational activities such as metal processing or Pb acid battery manufacturing. As such, the Project is not anticipated to generate a quantifiable amount of Pb emissions.		associated with increased blood pressure. Pb poisoning can cause anemia, lethargy, seizures, and death; although it appears that there are no direct effects of Pb on the respiratory system. Pb can be stored in the bone from early age environmental exposure, and elevated blood Pb levels can occur due to breakdown of bone tissue during pregnancy, hyperthyroidism (increased secretion of hormones from the thyroid gland) and osteoporosis (breakdown of bony tissue). Fetuses and breast-fed babies can be exposed to higher levels of Pb because of previous environmental Pb exposure of their mothers.
Odor	Odor means the perception experienced by a person when one or more chemical substances in the air come into contact with the human olfactory nerves (5).	Odors can come from many sources including animals, human activities, industry, natures, and vehicles.	Offensive odors can potentially affect human health in several ways. First, odorant compounds can irritate the eye, nose, and throat, which can reduce respiratory volume. Second, studies have shown that the VOCs that cause odors can stimulate sensory nerves to cause neurochemical changes that might influence health, for instance, by compromising the immune system. Finally, unpleasant odors can trigger memories or attitudes linked to unpleasant odors, causing cognitive and emotional effects such as stress.

2.5 EXISTING AIR QUALITY

Existing air quality is measured at established SCAQMD air quality monitoring stations. Monitored air quality is evaluated in the context of ambient air quality standards. These standards are the levels of air quality that are considered safe, with an adequate margin of safety, to protect the public health and welfare. National Ambient Air Quality Standards (NAAQS) and California Ambient Air Quality Standards (CAAQS) currently in effect are shown in Table 2-2 (6).

The determination of whether a region's air quality is healthful or unhealthful is determined by comparing contaminant levels in ambient air samples to the state and federal standards. At the time of this AQIA, the most recent state and federal standards were updated by California Air Resources Board (CARB) on May 4, 2016 and are presented in Table 2-2. The air quality in a region is considered to be in attainment by the state if the measured ambient air pollutant levels for O₃, CO (except 8-hour Lake Tahoe), SO₂ (1 and 24 hour), NO₂, PM₁₀, and PM_{2.5} do not exceed standards. All others are not to be equaled or exceeded. It should be noted that the three-year period is presented for informational purposes and is not the basis for how the State assigns attainment status. Attainment status for a pollutant means that the SCAQMD meets the standards set by the Environmental Protection Agency (EPA) or the California EPA (CalEPA). Conversely, nonattainment means that an area has monitored air quality that does not meet the NAAQS or CAAQS standards. In order to improve air quality in nonattainment areas, CARB has implemented a State Implementation Plan (SIP). The SIP outlines the measures that the state will take to improve air quality. Once nonattainment areas meet the standards and additional redesignation requirements, the EPA will designate the area as a maintenance area (7).

TABLE 2-2: AMBIENT AIR QUALITY STANDARDS (1 OF 2)

Ambient Air Quality Standards						
Pollutant	Averaging Time	California Standards ¹		National Standards ²		
		Concentration ³	Method ⁴	Primary ^{3,5}	Secondary ^{3,6}	Method ⁷
Ozone (O ₃) ⁸	1 Hour	0.09 ppm (180 µg/m ³)	Ultraviolet Photometry	—	Same as Primary Standard	Ultraviolet Photometry
	8 Hour	0.070 ppm (137 µg/m ³)		0.070 ppm (137 µg/m ³)		
Respirable Particulate Matter (PM10) ⁹	24 Hour	50 µg/m ³	Gravimetric or Beta Attenuation	150 µg/m ³	Same as Primary Standard	Inertial Separation and Gravimetric Analysis
	Annual Arithmetic Mean	20 µg/m ³		—		
Fine Particulate Matter (PM2.5) ⁹	24 Hour	—	—	35 µg/m ³	Same as Primary Standard	Inertial Separation and Gravimetric Analysis
	Annual Arithmetic Mean	12 µg/m ³	Gravimetric or Beta Attenuation	12.0 µg/m ³	15 µg/m ³	
Carbon Monoxide (CO)	1 Hour	20 ppm (23 mg/m ³)	Non-Dispersive Infrared Photometry (NDIR)	35 ppm (40 mg/m ³)	—	Non-Dispersive Infrared Photometry (NDIR)
	8 Hour	9.0 ppm (10 mg/m ³)		9 ppm (10 mg/m ³)	—	
	8 Hour (Lake Tahoe)	6 ppm (7 mg/m ³)		—	—	
Nitrogen Dioxide (NO ₂) ¹⁰	1 Hour	0.18 ppm (339 µg/m ³)	Gas Phase Chemiluminescence	100 ppb (188 µg/m ³)	—	Gas Phase Chemiluminescence
	Annual Arithmetic Mean	0.030 ppm (57 µg/m ³)		0.053 ppm (100 µg/m ³)	Same as Primary Standard	
Sulfur Dioxide (SO ₂) ¹¹	1 Hour	0.25 ppm (655 µg/m ³)	Ultraviolet Fluorescence	75 ppb (196 µg/m ³)	—	Ultraviolet Fluorescence; Spectrophotometry (Pararosaniline Method)
	3 Hour	—		—	0.5 ppm (1300 µg/m ³)	
	24 Hour	0.04 ppm (105 µg/m ³)		0.14 ppm (for certain areas) ¹¹	—	
	Annual Arithmetic Mean	—		0.030 ppm (for certain areas) ¹¹	—	
Lead ^{12,13}	30 Day Average	1.5 µg/m ³	Atomic Absorption	—	—	High Volume Sampler and Atomic Absorption
	Calendar Quarter	—		1.5 µg/m ³ (for certain areas) ¹²	Same as Primary Standard	
	Rolling 3-Month Average	—		0.15 µg/m ³		
Visibility Reducing Particles ¹⁴	8 Hour	See footnote 14	Beta Attenuation and Transmittance through Filter Tape	No National Standards		
Sulfates	24 Hour	25 µg/m ³	Ion Chromatography			
Hydrogen Sulfide	1 Hour	0.03 ppm (42 µg/m ³)	Ultraviolet Fluorescence			
Vinyl Chloride ¹²	24 Hour	0.01 ppm (26 µg/m ³)	Gas Chromatography			

See footnotes on next page ...

See footnotes on next page ...

For more information please call ARB-PIO at (916) 322-2990

California Air Resources Board (5/4/16)

TABLE 2-2: AMBIENT AIR QUALITY STANDARDS (2 OF 2)

1. California standards for ozone, carbon monoxide (except 8-hour Lake Tahoe), sulfur dioxide (1 and 24 hour), nitrogen dioxide, and particulate matter (PM₁₀, PM_{2.5}, and visibility reducing particles), are values that are not to be exceeded. All others are not to be equaled or exceeded. California ambient air quality standards are listed in the Table of Standards in Section 70200 of Title 17 of the California Code of Regulations.
2. National standards (other than ozone, particulate matter, and those based on annual arithmetic mean) are not to be exceeded more than once a year. The ozone standard is attained when the fourth highest 8-hour concentration measured at each site in a year, averaged over three years, is equal to or less than the standard. For PM₁₀, the 24 hour standard is attained when the expected number of days per calendar year with a 24-hour average concentration above 150 $\mu\text{g}/\text{m}^3$ is equal to or less than one. For PM_{2.5}, the 24 hour standard is attained when 98 percent of the daily concentrations, averaged over three years, are equal to or less than the standard. Contact the U.S. EPA for further clarification and current national policies.
3. Concentration expressed first in units in which it was promulgated. Equivalent units given in parentheses are based upon a reference temperature of 25°C and a reference pressure of 760 torr. Most measurements of air quality are to be corrected to a reference temperature of 25°C and a reference pressure of 760 torr; ppm in this table refers to ppm by volume, or micromoles of pollutant per mole of gas.
4. Any equivalent measurement method which can be shown to the satisfaction of the ARB to give equivalent results at or near the level of the air quality standard may be used.
5. National Primary Standards: The levels of air quality necessary, with an adequate margin of safety to protect the public health.
6. National Secondary Standards: The levels of air quality necessary to protect the public welfare from any known or anticipated adverse effects of a pollutant.
7. Reference method as described by the U.S. EPA. An "equivalent method" of measurement may be used but must have a "consistent relationship to the reference method" and must be approved by the U.S. EPA.
8. On October 1, 2015, the national 8-hour ozone primary and secondary standards were lowered from 0.075 to 0.070 ppm.
9. On December 14, 2012, the national annual PM_{2.5} primary standard was lowered from 15 $\mu\text{g}/\text{m}^3$ to 12.0 $\mu\text{g}/\text{m}^3$. The existing national 24-hour PM_{2.5} standards (primary and secondary) were retained at 35 $\mu\text{g}/\text{m}^3$, as was the annual secondary standard of 15 $\mu\text{g}/\text{m}^3$. The existing 24-hour PM₁₀ standards (primary and secondary) of 150 $\mu\text{g}/\text{m}^3$ also were retained. The form of the annual primary and secondary standards is the annual mean, averaged over 3 years.
10. To attain the 1-hour national standard, the 3-year average of the annual 98th percentile of the 1-hour daily maximum concentrations at each site must not exceed 100 ppb. Note that the national 1-hour standard is in units of parts per billion (ppb). California standards are in units of parts per million (ppm). To directly compare the national 1-hour standard to the California standards the units can be converted from ppb to ppm. In this case, the national standard of 100 ppb is identical to 0.100 ppm.
11. On June 2, 2010, a new 1-hour SO₂ standard was established and the existing 24-hour and annual primary standards were revoked. To attain the 1-hour national standard, the 3-year average of the annual 99th percentile of the 1-hour daily maximum concentrations at each site must not exceed 75 ppb. The 1971 SO₂ national standards (24-hour and annual) remain in effect until one year after an area is designated for the 2010 standard, except that in areas designated nonattainment for the 1971 standards, the 1971 standards remain in effect until implementation plans to attain or maintain the 2010 standards are approved.
Note that the 1-hour national standard is in units of parts per billion (ppb). California standards are in units of parts per million (ppm). To directly compare the 1-hour national standard to the California standard the units can be converted to ppm. In this case, the national standard of 75 ppb is identical to 0.075 ppm.
12. The ARB has identified lead and vinyl chloride as 'toxic air contaminants' with no threshold level of exposure for adverse health effects determined. These actions allow for the implementation of control measures at levels below the ambient concentrations specified for these pollutants.
13. The national standard for lead was revised on October 15, 2008 to a rolling 3-month average. The 1978 lead standard (1.5 $\mu\text{g}/\text{m}^3$ as a quarterly average) remains in effect until one year after an area is designated for the 2008 standard, except that in areas designated nonattainment for the 1978 standard, the 1978 standard remains in effect until implementation plans to attain or maintain the 2008 standard are approved.
14. In 1989, the ARB converted both the general statewide 10-mile visibility standard and the Lake Tahoe 30-mile visibility standard to instrumental equivalents, which are "extinction of 0.23 per kilometer" and "extinction of 0.07 per kilometer" for the statewide and Lake Tahoe Air Basin standards, respectively.

For more information please call ARB-PIO at (916) 322-2990

California Air Resources Board (5/4/16)

2.6 REGIONAL AIR QUALITY

Air pollution contributes to a wide variety of adverse health effects. The EPA has established NAAQS for six of the most common air pollutants: CO, Pb, O₃, particulate matter (PM₁₀ and PM_{2.5}), NO₂, and SO₂ which are known as criteria pollutants. The SCAQMD monitors levels of various criteria pollutants at 37 permanent monitoring stations and 5 single-pollutant source Pb air monitoring sites throughout the air district (8). On February 21, 2019, CARB posted the 2018 amendments to the state and national area designations. See Table 2-3 for attainment designations for the SCAB (9). Appendix 2.1 provides geographic representation of the state and federal attainment status for applicable criteria pollutants within the SCAB.

TABLE 2-3: ATTAINMENT STATUS OF CRITERIA POLLUTANTS IN THE SCAB

Criteria Pollutant	State Designation	Federal Designation
O ₃ – 1-hour standard	Nonattainment	--
O ₃ – 8-hour standard	Nonattainment	Nonattainment
PM ₁₀	Nonattainment	Attainment
PM _{2.5}	Nonattainment	Nonattainment
CO	Attainment	Unclassifiable/Attainment
NO ₂	Attainment	Unclassifiable/Attainment
SO ₂	Unclassifiable/Attainment	Unclassifiable/Attainment
Pb ¹	Attainment	Unclassifiable/Attainment

Note: See Appendix 2.1 for a detailed map of State/National Area Designations within the SCAB

-- = The national 1-hour O₃ standard was revoked effective June 15, 2005.

2.7 LOCAL AIR QUALITY

The SCAQMD has designated general forecast areas and air monitoring areas (referred to as Source Receptor Areas [SRA]) throughout the district in order to provide Southern California residents about the air quality conditions. The Project site is located within SRA 4. Within SRA 4, the South Coastal Los Angeles County 3 monitoring station, located 1.43 miles northwest, is the nearest station that provides air quality statistics for O₃, CO, NO₂, PM₁₀. As the South Coastal Los Angeles County 3 monitoring station does not provide information for PM_{2.5}, statistics from the South Coastal Los Angeles County 2 monitoring station, 1.62 miles northeast of the Project site, will be reported. It should be noted that the South Coastal Los Angeles County 2 monitoring stations were utilized in lieu of the South Coastal Los Angeles County 3 monitoring station only in instances where data was not available.

The most recent three (3) years of data available is shown on Table 2-4 and identifies the number of days ambient air quality standards were exceeded for the study area, which is considered to be representative of the local air quality at the Development Site. Data for O₃, CO, NO₂, PM₁₀, and PM_{2.5} for 2017 through 2019 was obtained from the SCAQMD Air Quality Data Tables (10).

¹ The Federal nonattainment designation for lead is only applicable towards the Los Angeles County portion of the SCAB.

Additionally, data for SO₂ has been omitted as attainment is regularly met in the SCAB and few monitoring stations measure SO₂ concentrations.

TABLE 2-4: PROJECT AREA AIR QUALITY MONITORING SUMMARY 2017-2019

Pollutant	Standard	Year		
		2017	2018	2019
O ₃				
Maximum Federal 1-Hour Concentration (ppm)		0.082	0.074	0.074
Maximum Federal 8-Hour Concentration (ppm)		0.068	0.063	0.064
Number of Days Exceeding State 1-Hour Standard	> 0.09 ppm	0	0	0
Number of Days Exceeding State/Federal 8-Hour Standard	> 0.070 ppm	0	0	0
CO				
Maximum Federal 1-Hour Concentration	> 35 ppm	3.9	4.7	3.0
Maximum Federal 8-Hour Concentration	> 20 ppm	2.6	2.1	2.1
NO ₂				
Maximum Federal 1-Hour Concentration	> 0.100 ppm	0.090	0.085	0.072
Annual Federal Standard Design Value		0.018	0.017	0.016
PM ₁₀				
Maximum Federal 24-Hour Concentration (µg/m ³)	> 150 µg/m ³	79	84	74
Annual Federal Arithmetic Mean (µg/m ³)		33.3	32.3	26.9
Number of Days Exceeding Federal 24-Hour Standard	> 150 µg/m ³	0	0	0
Number of Days Exceeding State 24-Hour Standard	> 50 µg/m ³	9	4	3
PM _{2.5}				
Maximum Federal 24-Hour Concentration (µg/m ³)	> 35 µg/m ³	56.30	47.10	30.60
Annual Federal Arithmetic Mean (µg/m ³)	> 12 µg/m ³	11.02	11.15	9.22
Number of Days Exceeding Federal 24-Hour Standard	> 35 µg/m ³	5	2	0

ppm = Parts Per Million

µg/m³ = Microgram per Cubic Meter

Source: Data for O₃, CO, NO₂, PM₁₀, and PM_{2.5} was obtained from SCAQMD Air Quality Data Tables.

2.8 REGULATORY BACKGROUND

2.8.1 FEDERAL REGULATIONS

The EPA is responsible for setting and enforcing the NAAQS for O₃, CO, NO_x, SO₂, PM₁₀, and Pb (11). The EPA has jurisdiction over emissions sources that are under the authority of the federal government including aircraft, locomotives, and emissions sources outside state waters (Outer Continental Shelf). The EPA also establishes emission standards for vehicles sold in states other than California. Automobiles sold in California must meet the stricter emission requirements of CARB.

The Federal Clean Air Act (CAA) was first enacted in 1955 and has been amended numerous times in subsequent years (1963, 1965, 1967, 1970, 1977, and 1990). The CAA establishes the federal air quality standards, the NAAQS, and specifies future dates for achieving compliance (12). The CAA also mandates that states submit and implement SIPs for local areas not meeting these standards. These plans must include pollution control measures that demonstrate how the standards will be met.

The 1990 amendments to the CAA that identify specific emission reduction goals for areas not meeting the NAAQS require a demonstration of reasonable further progress toward attainment and incorporate additional sanctions for failure to attain or to meet interim milestones. The sections of the CAA most directly applicable to the development of the Project site include Title I (Non-Attainment Provisions) and Title II (Mobile Source Provisions) (13) (14). Title I provisions were established with the goal of attaining the NAAQS for the following criteria pollutants O₃, NO₂, SO₂, PM₁₀, CO, PM_{2.5}, and Pb. The NAAQS were amended in July 1997 to include an additional standard for O₃ and to adopt a NAAQS for PM_{2.5}. Table 2-3 (previously presented) provides the NAAQS within the SCAB.

Mobile source emissions are regulated in accordance with Title II provisions. These provisions require the use of cleaner burning gasoline and other cleaner burning fuels such as methanol and natural gas. Automobile manufacturers are also required to reduce tailpipe emissions of hydrocarbons and NO_x. NO_x is a collective term that includes all forms of NO_x which are emitted as byproducts of the combustion process.

2.8.2 CALIFORNIA REGULATIONS

CARB

The CARB, which became part of the CalEPA in 1991, is responsible for ensuring implementation of the California Clean Air Act (AB 2595), responding to the federal CAA, and for regulating emissions from consumer products and motor vehicles. AB 2595 mandates achievement of the maximum degree of emissions reductions possible from vehicular and other mobile sources in order to attain the state ambient air quality standards by the earliest practical date. The CARB established the CAAQS for all pollutants for which the federal government has NAAQS and, in addition, establishes standards for SO₄, visibility, hydrogen sulfide (H₂S), and vinyl chloride (C₂H₃Cl). However, at this time, H₂S and C₂H₃Cl are not measured at any monitoring stations in

the SCAB because they are not considered to be a regional air quality problem. Generally, the CAAQS are more stringent than the NAAQS (15) (11).

Local air quality management districts, such as the SCAQMD, regulate air emissions from stationary sources such as commercial and industrial facilities. All air pollution control districts have been formally designated as attainment or non-attainment for each CAAQS.

Serious non-attainment areas are required to prepare Air Quality Management Plans (AQMP) that include specified emission reduction strategies in an effort to meet clean air goals. These plans are required to include:

- Application of Best Available Retrofit Control Technology to existing sources;
- Developing control programs for area sources (e.g., architectural coatings and solvents) and indirect sources (e.g., motor vehicle use generated by residential and commercial development);
- A District permitting system designed to allow no net increase in emissions from any new or modified permitted sources of emissions;
- Implementing reasonably available transportation control measures and assuring a substantial reduction in growth rate of vehicle trips and miles traveled;
- Significant use of low emissions vehicles by fleet operators;
- Sufficient control strategies to achieve a 5% or more annual reduction in emissions or 15% or more in a period of three years for ROG_s, NO_x, CO and PM₁₀. However, air basins may use alternative emission reduction strategy that achieves a reduction of less than 5% per year under certain circumstances.

TITLE 24 ENERGY EFFICIENCY STANDARDS AND CALIFORNIA GREEN BUILDING STANDARDS

CCR Title 24 Part 6: The California Energy Code was first adopted in 1978 in response to a legislative mandate to reduce California's energy consumption.

The standards are updated periodically to allow consideration and possible incorporation of new energy efficient technologies and methods. CCR, Title 24, Part 11: California Green Building Standards Code (CALGreen) is a comprehensive and uniform regulatory code for all residential, commercial, and school buildings that went in effect on January 1, 2009, and is administered by the California Building Standards Commission.

CALGreen is updated on a regular basis, with the most recent approved update consisting of the 2019 California Green Building Code Standards that became effective January 1, 2020.

Local jurisdictions are permitted to adopt more stringent requirements, as state law provides methods for local enhancements. CALGreen recognizes that many jurisdictions have developed existing construction waste and demolition ordinances and defers to them as the ruling guidance provided, they establish a minimum 65% diversion requirement.

The code also provides exemptions for areas not served by construction waste and demolition recycling infrastructure. The State Building Code provides the minimum standard that buildings must meet in order to be certified for occupancy, which is generally enforced by the local building official.

Energy efficient buildings require less electricity; therefore, increased energy efficiency reduces fossil fuel consumption and decreases greenhouse gas (GHG) emissions. The 2019 version of Title 24 was adopted by the CEC and became effective on January 1, 2020.

The 2019 Title 24 standards will result in less energy use, thereby reducing air pollutant emissions associated with energy consumption in the SCAB and across the State of California. For example, the 2019 Title 24 standards will require solar photovoltaic systems for new homes, establish requirements for newly constructed healthcare facilities, encourage demand responsive technologies for residential buildings, and update indoor and outdoor lighting requirements for nonresidential buildings.

The CEC anticipates that single-family homes built with the 2019 standards will use approximately 7% less energy compared to the residential homes built under the 2016 standards. Additionally, after implementation of solar photovoltaic systems, homes built under the 2019 standards will use about 53% less energy than homes built under the 2016 standards. Nonresidential buildings (such as the Project) will use approximately 30% less energy due to lighting upgrade requirements (16).

Because the Project will be constructed after January 1, 2020, the 2019 CALGreen standards are applicable to the Project and require, among other items (17):

- Short-term bicycle parking. If the new project or an additional alteration is anticipated to generate visitor traffic, provide permanently anchored bicycle racks within 200 feet of the visitors' entrance, readily visible to passers-by, for 5% of new visitor motorized vehicle parking spaces being added, with a minimum of one two-bike capacity rack (5.106.4.1.1).
- Long-term bicycle parking. For new buildings with tenant spaces that have 10 or more tenant-occupants, provide secure bicycle parking for 5% of the tenant-occupant vehicular parking spaces with a minimum of one bicycle parking facility (5.106.4.1.2).
- Designated parking for clean air vehicles. In new projects or additions to alterations that add 10 or more vehicular parking spaces, provide designated parking for any combination of low-emitting, fuel-efficient and carpool/van pool vehicles as shown in Table 5.106.5.2 (5.106.5.2).
- Electric vehicle charging stations. New construction shall facilitate the future installation of electric vehicle supply equipment. The compliance requires empty raceways for future conduit and documentation that the electrical system has adequate capacity for the future load. The number of spaces to be provided for is contained in Table 5.106. 5.3.3 (5.106.5.3).
- Outdoor light pollution reduction. Outdoor lighting systems shall be designed to meet the backlight, upright and glare ratings per Table 5.106.8 (5.106.8)
- Construction waste management. Recycle and/or salvage for reuse a minimum of 65% of the nonhazardous construction and demolition waste in accordance with Section 5.408.1.1, 5.405.1.2, or 5.408.1.3; or meet a local construction and demolition waste management ordinance, whichever is more stringent (5.408.1).
- Excavated soil and land clearing debris. 100% of trees, stumps, rocks and associated vegetation and soils resulting primarily from land clearing shall be reused or recycled. For a phased project, such material may be stockpiled on site until the storage site is developed (5.408.3).

- Recycling by Occupants. Provide readily accessible areas that serve the entire building and are identified for the depositing, storage, and collection of non-hazardous materials for recycling, including (at a minimum) paper, corrugated cardboard, glass, plastics, organic waste, and metals or meet a lawfully enacted local recycling ordinance, if more restrictive (5.410.1).
- Water conserving plumbing fixtures and fittings. Plumbing fixtures (water closets and urinals) and fittings (faucets and showerheads) shall comply with the following:
 - Water Closets. The effective flush volume of all water closets shall not exceed 1.28 gallons per flush (5.303.3.1)
 - Urinals. The effective flush volume of wall-mounted urinals shall not exceed 0.125 gallons per flush (5.303.3.2.1). The effective flush volume of floor-mounted or other urinals shall not exceed 0.5 gallons per flush (5.303.3.2.2).
 - Showerheads. Single showerheads shall have a minimum flow rate of not more than 1.8 gallons per minute and 80 psi (5.303.3.3.1). When a shower is served by more than one showerhead, the combine flow rate of all showerheads and/or other shower outlets controlled by a single valve shall not exceed 1.8 gallons per minute at 80 psi (5.303.3.3.2).
 - Faucets and fountains. Nonresidential lavatory faucets shall have a maximum flow rate of not more than 0.5 gallons per minute at 60 psi (5.303.3.4.1). Kitchen faucets shall have a maximum flow rate of not more than 1.8 gallons per minute of 60 psi (5.303.3.4.2). Wash fountains shall have a maximum flow rate of not more than 1.8 gallons per minute (5.303.3.4.3). Metering faucets shall not deliver more than 0.20 gallons per cycle (5.303.3.4.4). Metering faucets for wash fountains shall have a maximum flow rate not more than 0.20 gallons per cycle (5.303.3.4.5).
- Outdoor potable water uses in landscaped areas. Nonresidential developments shall comply with a local water efficient landscape ordinance or the current California Department of Water Resources' Model Water Efficient Landscape Ordinance (MWELO), whichever is more stringent (5.304.1).
- Water meters. Separate submeters or metering devices shall be installed for new buildings or additions in excess of 50,000 sf or for excess consumption where any tenant within a new building or within an addition that is project to consume more than 1,000 gallons per day (5.303.1.1 and 5.303.1.2).
- Outdoor water uses in rehabilitated landscape projects equal or greater than 2,500 sf. Rehabilitated landscape projects with an aggregate landscape area equal to or greater than 2,500 sf requiring a building or landscape permit (5.304.3).
- Commissioning. For new buildings 10,000 sf and over, building commissioning shall be included in the design and construction processes of the building project to verify that the building systems and components meet the owner's or owner representative's project requirements (5.410.2).

2.8.3 AQMP

Currently, the NAAQS and CAAQS are exceeded in most parts of the SCAB. In response, the SCAQMD has adopted a series of AQMP to meet the state and federal ambient air quality standards (18). AQMPs are updated regularly in order to more effectively reduce emissions, accommodate growth, and to minimize any negative fiscal impacts of air pollution control on the economy. A detailed discussion on the AQMP and Project consistency with the AQMP is provided in Section 3.11.

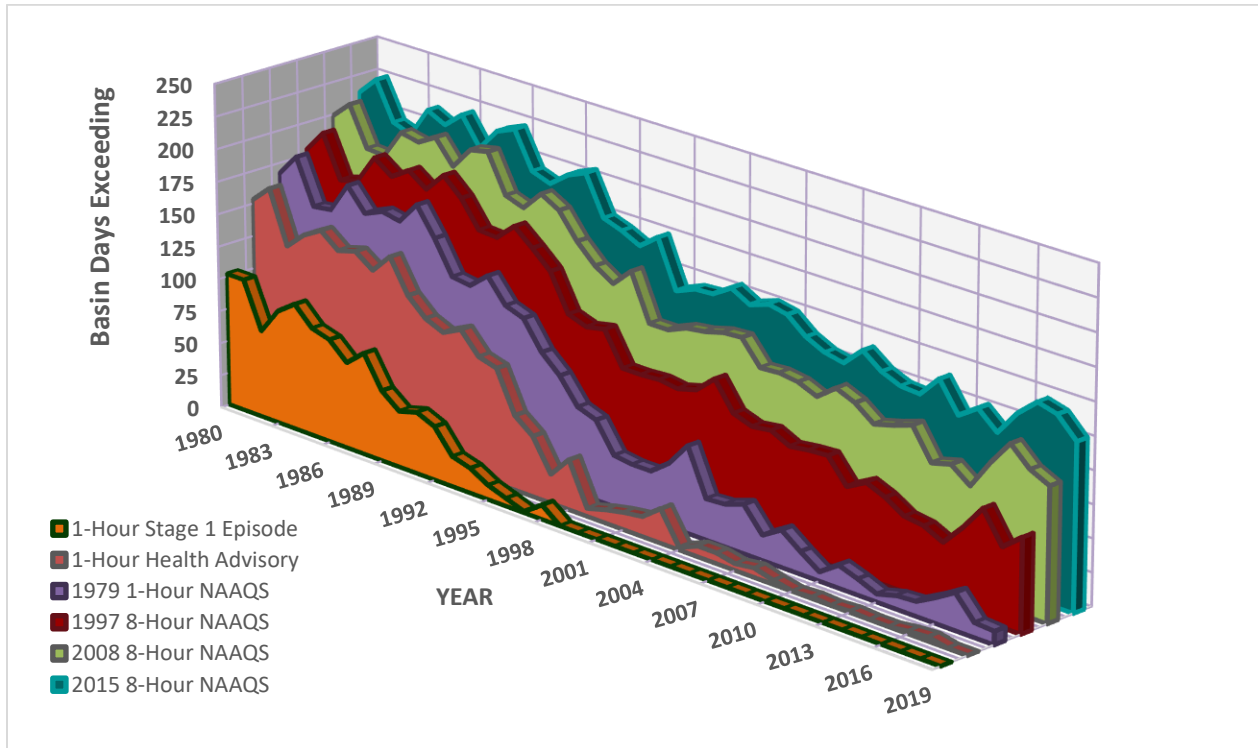
2.9 REGIONAL AIR QUALITY IMPROVEMENT

The Project is within the jurisdiction of the SCAQMD. In 1976, California adopted the Lewis Air Quality Management Act which created SCAQMD from a voluntary association of air pollution control districts in Los Angeles, Orange, Riverside, and San Bernardino counties. The geographic area of which SCAQMD consists is known as the SCAB. SCAQMD develops comprehensive plans and regulatory programs for the region to attain federal standards by dates specified in federal law. The agency is also responsible for meeting state standards by the earliest date achievable, using reasonably available control measures.

SCAQMD rule development through the 1970s and 1980s resulted in dramatic improvement in SCAB air quality. Nearly all control programs developed through the early 1990s relied on (i) the development and application of cleaner technology; (ii) add-on emission controls, and (iii) uniform CEQA review throughout the SCAB. Industrial emission sources have been significantly reduced by this approach and vehicular emissions have been reduced by technologies implemented at the state level by CARB.

As discussed above, the SCAQMD is the lead agency charged with regulating air quality emission reductions for the entire SCAB. SCAQMD created AQMPs which represent a regional blueprint for achieving healthful air on behalf of the 16 million residents of the SCAB. The 2012 AQMP states, “the remarkable historical improvement in air quality since the 1970’s is the direct result of Southern California’s comprehensive, multiyear strategy of reducing air pollution from all sources as outlined in its AQMPs,” (19).

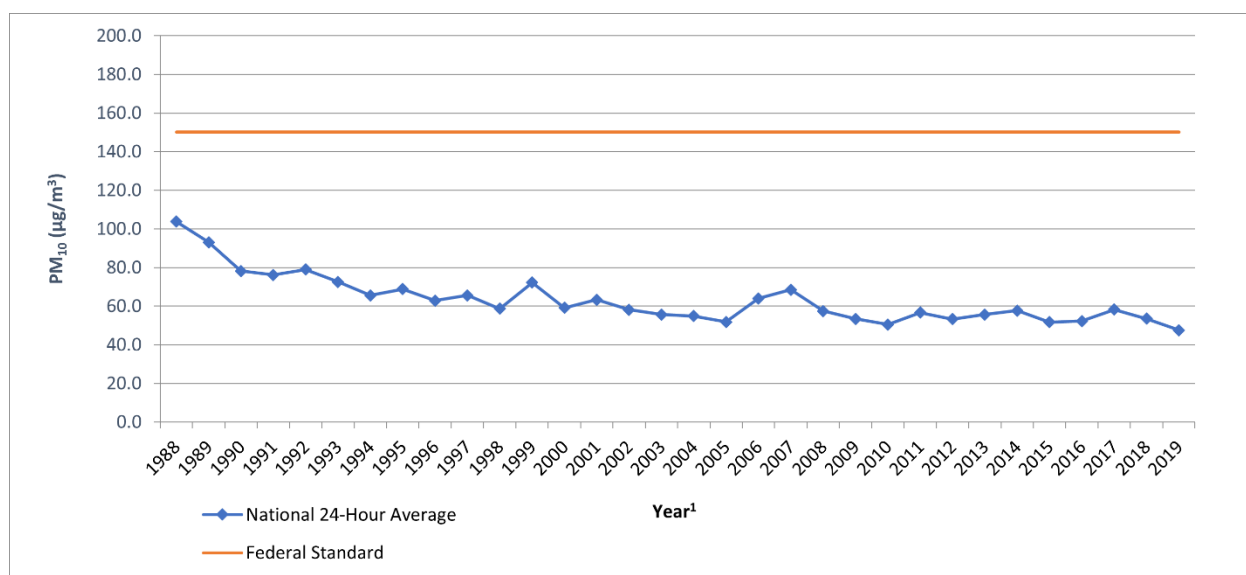
Emissions of O₃, NO_x, VOC, and CO have been decreasing in the SCAB since 1975 and are projected to continue to decrease through 2020 (20). These decreases result primarily from motor vehicle controls and reductions in evaporative emissions. Although vehicle miles traveled (VMT) in the SCAB continue to increase, NO_x and VOC levels are decreasing because of the mandated controls on motor vehicles and the replacement of older polluting vehicles with lower-emitting vehicles. NO_x emissions from electric utilities have also decreased due to use of cleaner fuels and renewable energy. O₃ contour maps show that the number of days exceeding the 8-hour NAAQS has generally decreased between 1980 and 2019. For 2019, there was an overall decrease in exceedance days compared with the 1980 period. However, as shown on Table 2-5, O₃ levels have increased in the past three years due to higher temperatures and stagnant weather conditions. Notwithstanding, O₃ levels in the SCAB have decreased substantially over the last 30 years with the current maximum measured concentrations being approximately one-third of concentrations within the late 70’s (21).

TABLE 2-5: SCAB O₃ TREND

Source: 2020 SCAQMD, Historical O₃ Air Quality Trends (1976-2018)

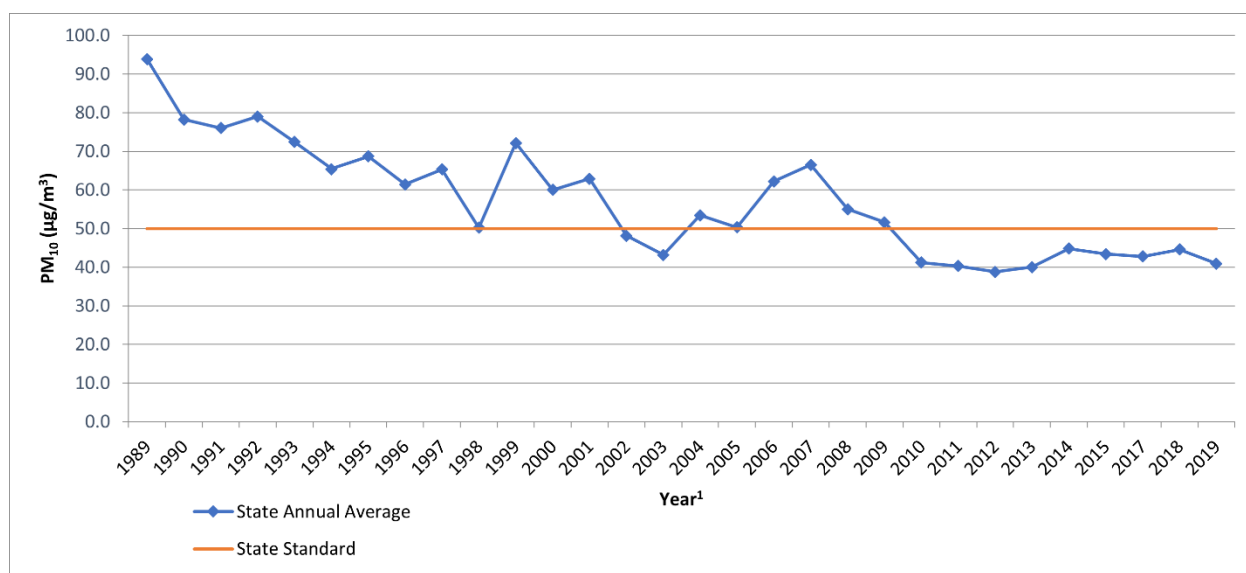
The overall trends of PM₁₀ and PM_{2.5} levels in the air (not emissions) show an overall improvement since 1975. Direct emissions of PM₁₀ have remained somewhat constant in the SCAB and direct emissions of PM_{2.5} have decreased slightly since 1975. Area wide sources (fugitive dust from roads, dust from construction, and other sources) contribute the greatest amount of direct particulate matter emissions.

As with other pollutants, the most recent PM₁₀ statistics show an overall improvement as illustrated in Tables 2-6 and 2-7. During the period for which data are available, the 24-hour national annual average concentration for PM₁₀ decreased by approximately 54%, from 103.7 microgram per cubic meter (µg/m³) in 1988 to 47.5 µg/m³ in 2019 (22). Although the values are below the federal standard, it should be noted that there are days within the year where the concentrations will exceed the threshold. The 24-hour state annual average for emissions for PM₁₀, have decreased by approximately 56% since 1988 (22). Although data in the late 1990's show some variability, this is probably due to the advances in meteorological science rather than a change in emissions. Similar to the ambient concentrations, the calculated number of days above the 24-hour PM₁₀ standards has also shown an overall drop.

TABLE 2-6: SCAB AVERAGE 24-HOUR CONCENTRATION PM₁₀ TREND (BASED ON FEDERAL STANDARD)¹

Source: 2020 CARB, iADAM: Top Four Summary: PM₁₀ 24-Hour Averages (1988-2018)

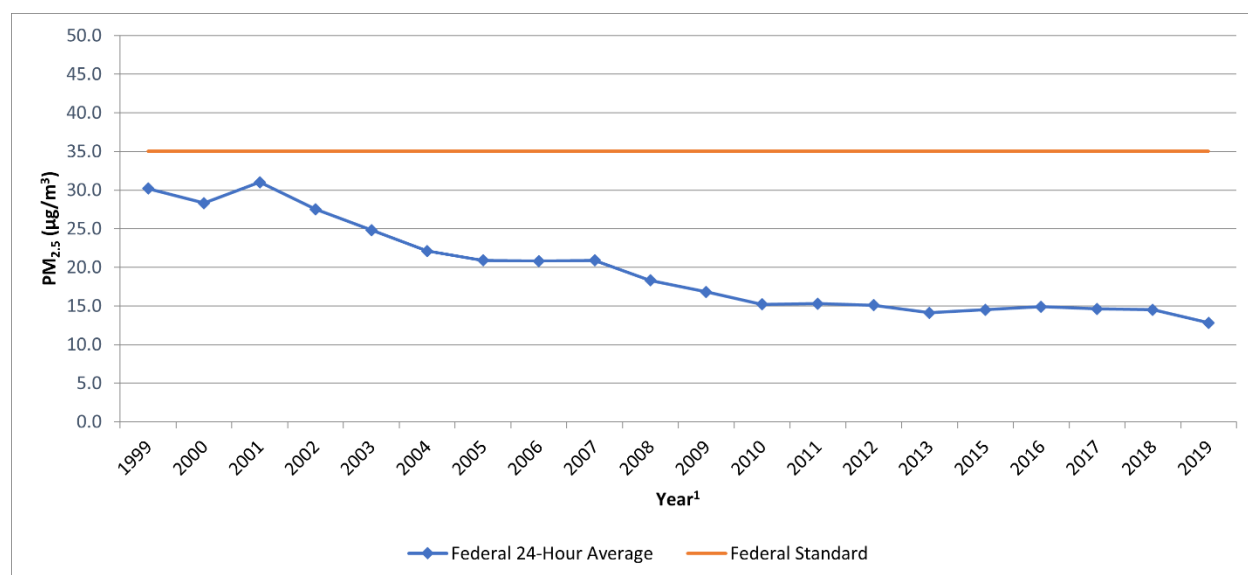
¹ Some years have been omitted from the table as insufficient data (or no) data has been reported. Years with reported value of "0" have also been omitted.

TABLE 2-7: SCAB ANNUAL AVERAGE CONCENTRATION PM₁₀ TREND (BASED ON STATE STANDARD)¹

Source: 2020 CARB, iADAM: Top Four Summary: PM₁₀ 24-Hour Averages (1988-2018)

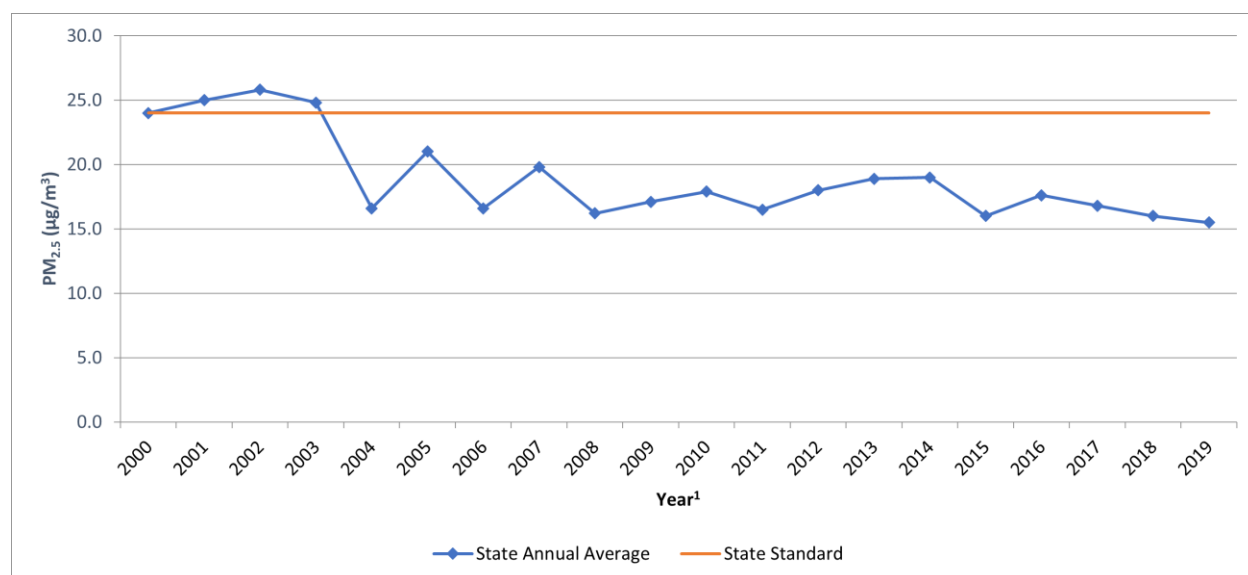
¹ Some years have been omitted from the table as insufficient data (or no) data has been reported. Years with reported value of "0" have also been omitted.

Tables 2-8 and 2-9 shows the most recent 24-hour average PM_{2.5} concentrations in the SCAB from 1999 through 2019. Overall, the national and state annual average concentrations have decreased by almost 58% and 35% respectively (22). It should be noted that the SCAB is currently designated as nonattainment for the state and federal PM_{2.5} standards.

TABLE 2-8: SCAB 24-HOUR AVERAGE CONCENTRATION PM_{2.5} TREND (BASED ON FEDERAL STANDARD)¹

Source: 2020 CARB, iADAM: Top Four Summary: PM_{2.5} 24-Hour Averages (1999-2018)

¹ Some years have been omitted from the table as insufficient data (or no) data has been reported. Years with reported value of "0" have also been omitted.

TABLE 2-9: SCAB ANNUAL AVERAGE CONCENTRATION PM_{2.5} TREND (BASED ON STATE STANDARD)¹

Source: 2020 CARB, iADAM: Top Four Summary: PM_{2.5} 24-Hour Averages (1999-2018)

¹ Some years have been omitted from the table as insufficient data (or no) data has been reported. Years with reported value of "0" have also been omitted.

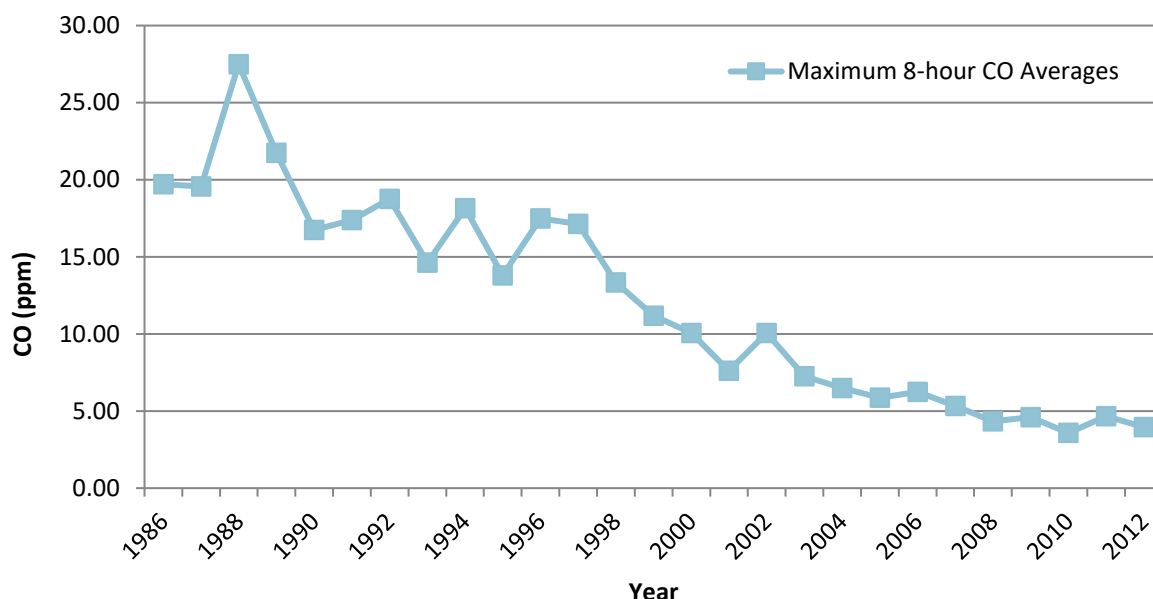
While the 2012 AQMP PM₁₀ attainment demonstration and the 2015 associated supplemental SIP submission indicated that attainment of the 24-hour standard was predicted to occur by the end of 2015, it could not anticipate the effect of the ongoing drought on the measured PM_{2.5}.

The 2006 to 2010 base period used for the 2012 attainment demonstration had near-normal rainfall. While the trend of PM_{2.5}-equivalent emission reductions continued through 2015, the severe drought conditions contributed to the PM_{2.5} increases observed after 2012. As a result of the disrupted progress toward attainment of the federal 24-hour PM_{2.5} standard, SCAQMD submitted a request and the EPA approved, in January 2016, a “bump up” to the nonattainment classification from “moderate” to “serious,” with a new attainment deadline as soon as practicable, but not beyond December 31, 2019. As of March 14, 2019, the EPA approved portions of a SIP revision submitted by California to address CAA requirements for the 2006 24-hour PM_{2.5} NAAQS in the Los Angeles-SCAB Serious PM_{2.5} nonattainment area. The EPA also approved 2017 and 2019 motor vehicle emissions budgets for transportation conformity purposes and inter-pollutant trading ratios for use in transportation conformity analyses (23).

In March 2017, the SCAQMD released the Final 2016 AQMP. The 2016 AQMP continues to evaluate current integrated strategies and control measures to meet the NAAQS, as well as explore new and innovative methods to reach its goals. Some of these approaches include utilizing incentive programs, recognizing existing co-benefit programs from other sectors, and developing a strategy with fair-share reductions at the federal, state, and local levels (24). Similar to the 2012 AQMP, the 2016 AQMP incorporates scientific and technological information and planning assumptions, including the 2016-2040 Regional Transportation Plan/Sustainable Communities Strategy (2016-2040 RTP/SCS) and updated emission inventory methodologies for various source categories (18).

The 2022 AQMP is currently being developed by SCAQMD to address the EPA’s strengthened ozone standard. Development of the 2022 AQMP is in its early stages and no formal timeline for completion and adoption is currently known.

The most recent CO concentrations in the SCAB are shown in Table 2-10 (22). CO concentrations in the SCAB have decreased markedly — a total decrease of more about 80% in the peak 8-hour concentration from 1986 to 2012. It should be noted 2012 is the most recent year where 8-hour CO averages and related statistics are available in the SCAB. The number of exceedance days has also declined. The entire SCAB is now designated as attainment for both the state and national CO standards. Ongoing reductions from motor vehicle control programs should continue the downward trend in ambient CO concentrations.

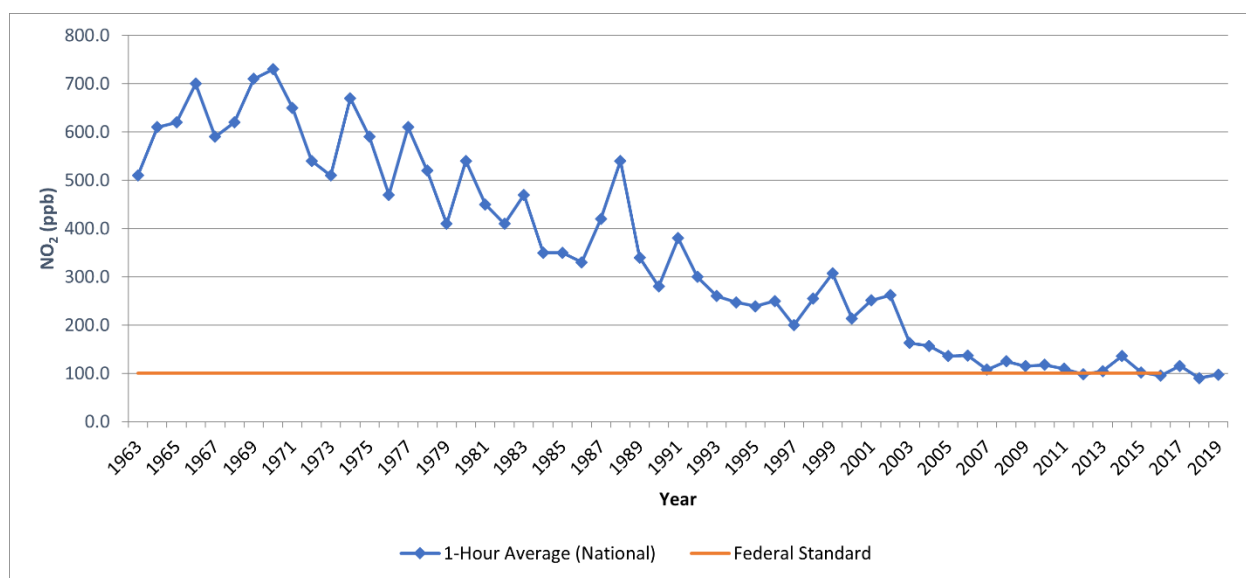
TABLE 2-10: SCAB 8-HOUR AVERAGE CONCENTRATION CO TREND¹

Source: 2020 CARB, iADAM: Top Four Summary: CO 8-Hour Averages (1999-2018)

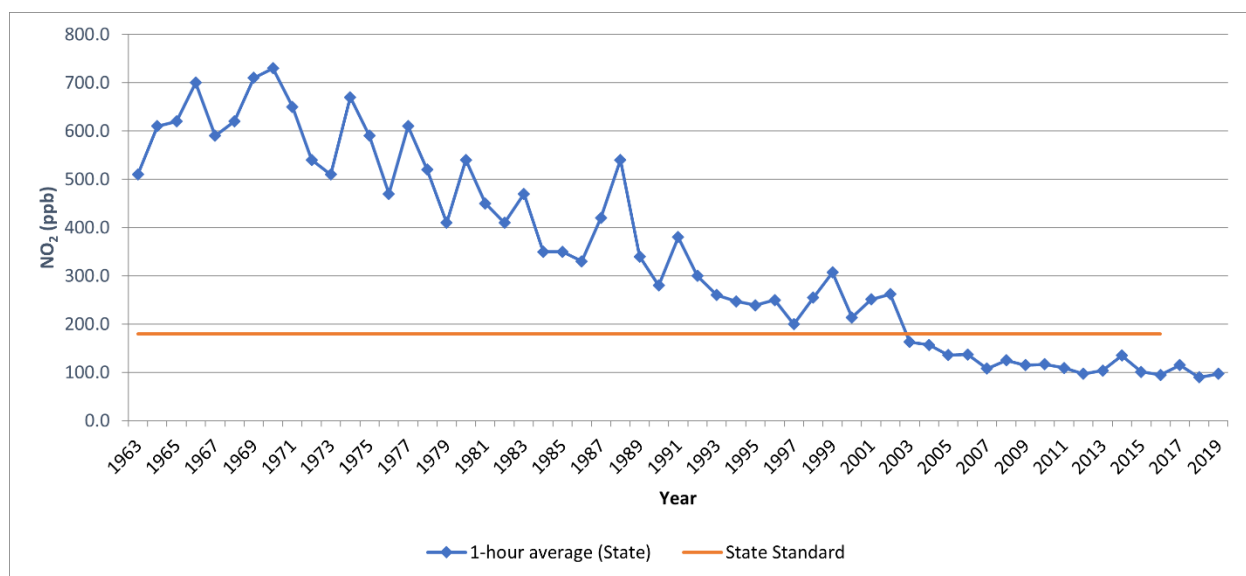
¹ The most recent year where 8-hour concentration data is available is 2012.

Part of the control process of the SCAQMD's duty to greatly improve the air quality in the SCAB is the uniform CEQA review procedures required by SCAQMD's *CEQA Air Quality Handbook (1993)* (1993 *CEQA Handbook*) (25). The single threshold of significance used to assess Project direct and cumulative impacts has in fact "worked" as evidenced by the track record of the air quality in the SCAB dramatically improving over the course of the past decades. As stated by the SCAQMD, the District's thresholds of significance are based on factual and scientific data and are therefore appropriate thresholds of significance to use for this Project.

The most recent NO₂ data for the SCAB is shown in Tables 2-11 and 2-12 (22). Over the last 50 years, NO₂ values have decreased significantly; the peak 1-hour national and state averages for 2019 is approximately 81% lower than what it was during 1963. The SCAB attained the State 1-hour NO₂ standard in 1994, bringing the entire state into attainment. A new state annual average standard of 0.030 ppm was adopted by CARB in February 2007 (26). The new standard is just barely exceeded in the SCAQMD. NO₂ is formed from NO_x emissions, which also contribute to O₃. As a result, the majority of the future emission control measures will be implemented as part of the overall O₃ control strategy. Many of these control measures will target mobile sources, which account for more than three-quarters of California's NO_x emissions. These measures are expected to bring the SCAQMD into attainment of the state annual average standard.

TABLE 2-11: SCAB 1-HOUR AVERAGE CONCENTRATION NO₂ TREND (BASED ON FEDERAL STANDARD)

Source: 2020 CARB, iADAM: Top Four Summary: CO 1-Hour Averages (1963-2018)

TABLE 2-12: SCAB 1-HOUR AVERAGE CONCENTRATION NO₂ TREND (BASED ON STATE STANDARD)

Source: 2020 CARB, iADAM: Top Four Summary: CO 1-Hour Averages (1963-2018)

2.9.1 TOXIC AIR CONTAMINANTS (TAC) TRENDS

In 1984, as a result of public concern for exposure to airborne carcinogens, CARB adopted regulations to reduce the amount of TAC emissions resulting from mobile and area sources, such as cars, trucks, stationary products, and consumer products. According to the *Ambient and Emission Trends of Toxic Air Contaminants in California* journal article (27) which was prepared for CARB, results show that between 1990-2012, ambient concentration and emission trends for

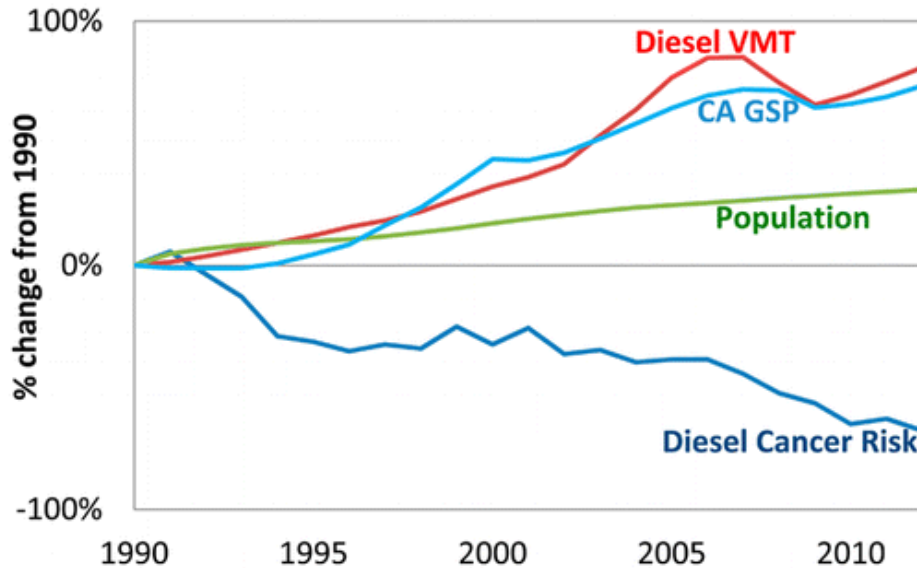
the seven TACs responsible for most of the known cancer risk associated with airborne exposure in California have declined significantly (between 1990 and 2012). The seven TACs studied include those that are derived from mobile sources: diesel particulate matter (DPM), benzene (C_6H_6), and 1,3-butadiene (C_4H_6); those that are derived from stationary sources: perchloroethylene (C_2Cl_4) and hexavalent chromium ($Cr(VI)$); and those derived from photochemical reactions of emitted VOCs: formaldehyde (CH_2O) and acetaldehyde (C_2H_4O)². The decline in ambient concentration and emission trends of these TACs are a result of various regulations CARB has implemented to address cancer risk.

MOBILE SOURCE TACs

CARB introduced two programs that aimed at reducing mobile emissions for light and medium duty vehicles through vehicle emissions controls and cleaner fuel. In California, light-duty vehicles sold after 1996 are equipped with California's second-generation On-Board Diagnostic (OBD-II) system. The OBD-II system monitors virtually every component that can affect the emission performance of the vehicle to ensure that the vehicle remains as clean as possible over its entire life and assists repair technicians in diagnosing and fixing problems with the computerized engine controls. If a problem is detected, the OBD-II system illuminates a warning lamp on the vehicle instrument panel to alert the driver. This warning lamp typically contains the phrase "Check Engine" or "Service Engine Soon". The system will also store important information about the detected malfunction so that a repair technician can accurately find and fix the problem. CARB has recently developed similar OBD requirements for heavy-duty vehicles over 14,000 pounds (lbs). CARB's phase II Reformulated Gasoline Regulation (RFG-2), adopted in 1996, also led to a reduction of mobile source emissions. Through such regulations, benzene levels declined 88% from 1990-2012. 1,3-Butadiene concentrations also declined 85% from 1990-2012 as a result of the use of reformulated gasoline and motor vehicle regulations (27).

In 2000, CARB's Diesel Risk Reduction Plan (DRRP) recommended the replacement and retrofit of diesel-fueled engines and the use of ultra-low-sulfur (<15 ppm) diesel fuel. As a result of these measures, DPM concentrations have declined 68% since 2000, even though the state's population increased 31% and the amount of diesel vehicles miles traveled increased 81%, as shown on Exhibit 2-B. With the implementation of these diesel-related control regulations, CARB expects a DPM decline of 71% for 2000-2020.

² It should be noted that ambient DPM concentrations are not measured directly. Rather, a surrogate method using the coefficient of haze (COH) and elemental carbon (EC) is used to estimate DPM concentrations.

EXHIBIT 2-A: DPM AND DIESEL VEHICLE MILES TREND**California Population, Gross State Product (GSP),
Diesel Cancer Risk, Diesel Vehicle-Miles-Traveled (VMT)**

Source: 2020 CARB

DIESEL REGULATIONS

CARB and the Ports of Los Angeles and Long Beach (POLA and POLB) have adopted several iterations of regulations for diesel trucks that are aimed at reducing DPM. More specifically, CARB Drayage Truck Regulation (28), CARB statewide On-road Truck and Bus Regulation (29), and the Ports of Los Angeles and Long Beach Clean Truck Program (CTP) require accelerated implementation of “clean trucks” into the statewide truck fleet (30). In other words, older more polluting trucks will be replaced with newer, cleaner trucks as a function of these regulatory requirements.

Moreover, the average statewide DPM emissions for Heavy Duty Trucks (HDT), in terms of grams of DPM generated per mile traveled, will dramatically be reduced due to the aforementioned regulatory requirements.

Diesel emissions identified in this analysis would therefore overstate future DPM emissions since not all the regulatory requirements are reflected in the modeling.

CANCER RISK TRENDS

Based on information available from CARB, overall cancer risk throughout the SCAB has had a declining trend since 1990. In 1998, following an exhaustive 10-year scientific assessment process, CARB identified particulate matter from diesel-fueled engines as a TAC. The SCAQMD initiated a comprehensive urban toxic air pollution study called the Multiple Air Toxics Exposure Study (MATES). DPM accounts for more than 70% of the cancer risk.

In January 2018, as part of the overall effort to reduce air toxics exposure in the SCAB, SCAQMD began conducting the MATES V Program. MATES V field measurements were conducted at ten fixed sites (the same sites selected for MATES III and IV) to assess trends in air toxics levels. MATES V also included measurements of ultrafine particles (UFP) and black carbon (BC) concentrations, which can be compared to the UFP levels measured in MATES IV (31). The final report for the MATES V study was expected to be available in Fall 2019, however it is not yet available and no definitive date for its release has been provided by SCAQMD.

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3 PROJECT AIR QUALITY IMPACT

3.1 INTRODUCTION

This study quantifies air quality emissions generated by construction and operation of the Project and addresses whether the Project conflicts with implementation of the SCAQMD's AQMP and Lead Agency planning regulations. The analysis of Project-generated air emissions determines whether the Project would result in a cumulatively considerable net increase of any criteria pollutant for which the SCAB is in non-attainment under an applicable NAAQS and CAAQS. Additionally, the Project has been evaluated to determine whether the Project would expose sensitive receptors to substantial pollutant concentrations and the impacts of odors. The significance of these potential impacts is described in the following sections.

3.2 STANDARDS OF SIGNIFICANCE

The criteria used to determine the significance of potential Project-related air quality impacts are taken from the *CEQA Guidelines* (14 CCR §§15000, et seq.). Based on these thresholds, a project would result in a significant impact related to air quality if it would (2):

- Conflict with or obstruct implementation of the applicable air quality plan.
- Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is in non-attainment under an applicable federal or state ambient air quality standard.
- Expose sensitive receptors to substantial pollutant concentrations.
- Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people.

The SCAQMD has also developed regional significance thresholds for other regulated pollutants, as summarized at Table 3-1 (32). The SCAQMD's *CEQA Air Quality Significance Thresholds* (April 2019) indicate that any projects in the SCAB with daily emissions that exceed any of the indicated thresholds should be considered as having an individually and cumulatively significant air quality impact.

TABLE 3-1: MAXIMUM DAILY REGIONAL EMISSIONS THRESHOLDS

Pollutant	Regional Construction Threshold	Regional Operational Thresholds
NO _x	100 lbs/day	55 lbs/day
VOC	75 lbs/day	55 lbs/day
PM ₁₀	150 lbs/day	150 lbs/day
PM _{2.5}	55 lbs/day	55 lbs/day
SO _x	150 lbs/day	150 lbs/day
CO	550 lbs/day	550 lbs/day
Pb	3 lbs/day	3 lbs/day

lbs/day = Pounds Per Day

3.3 MODELS EMPLOYED TO ANALYZE AIR QUALITY

3.3.1 CalEEMod

Land uses such as the Project affect air quality through construction-source and operational-source emissions.

On October 17, 2017, the SCAQMD in conjunction with the California Air Pollution Control Officers Association (CAPCOA) and other California air districts, released the latest version of the CalEEMod Version 2016.3.2. The purpose of this model is to calculate construction-source and operational-source criteria pollutant (VOCs, NO_x, SO_x, CO, PM₁₀, and PM_{2.5}) and GHG emissions from direct and indirect sources; and quantify applicable air quality and GHG reductions achieved from MMs (33). Accordingly, the latest version of CalEEMod has been used for this Project to determine construction and operational air quality emissions. Output from the model runs for both construction and operational activity are provided in Appendices 3.1 through 3.3.

3.3.2 EMISSION FACTORS MODEL

On August 19, 2019, the EPA approved the 2017 version of the EMISSIONS FACTOR model (EMFAC) web database for use in SIP and transportation conformity analyses. EMFAC2017 is a mathematical model that was developed to calculate emission rates, fuel consumption, and VMT from motor vehicles that operate on highways, freeways, and local roads in California and is commonly used by CARB to project changes in future emissions from on-road mobile sources (34). This AQIA utilizes summer, winter, and annual EMFAC2017 emission factors in order to derive vehicle emissions associated with Project operational activities, which vary by season.

Because the EMFAC2017 emission rates are associated with vehicle fuel types while CalEEMod vehicle emission factors are aggregated to include all fuel types for each individual vehicle class, the EMFAC2017 emission rates for different fuel types of a vehicle class are averaged by activity or by population and activity to derive CalEEMod emission factors. The equations applied to obtain CalEEMod vehicle emission factors for each emission type are detailed in CalEEMod User's Guide *Appendix A: Calculation Details for CalEEMod* (35). EMFAC2017 emission rates utilized in this analysis can be found in Appendix 3.4 of this report.

3.4 CONSTRUCTION EMISSIONS

3.4.1 CONSTRUCTION ACTIVITIES

Construction activities associated with the Project would result in emissions of VOCs, NO_x, SO_x, CO, PM₁₀, and PM_{2.5}. Construction related emissions are expected from the following construction activities:

- Demolition/Crushing
- Site Preparation
- Grading
- Building Construction

- Architectural Coating

DEMOLITION ACTIVITIES

Based on information provided by the Project Applicant, the Project would generate approximately 3,432 tons of demolition material.

CRUSHING ACTIVITIES

The Project activities would include on-site crushing of concrete and asphalt pulverizing during demolition activity. Fugitive dust emissions would also be generated through the crushing debris on-site. The U.S. EPA's AP-42 compilation of emission factors available in Chapter 11.19.2-2 were used to estimate fugitive dust from crushing activities. As noted above, it is estimated that approximately 171.61 tons of debris would be crushed per day.

GRADING ACTIVITIES

Dust is typically a major concern during grading activities. Because such emissions are not amenable to collection and discharge through a controlled source, they are called "fugitive emissions". Fugitive dust emissions rates vary as a function of many parameters (soil silt, soil moisture, wind speed, area disturbed, number of vehicles, depth of disturbance or excavation, etc.). CalEEMod was utilized to calculate fugitive dust emissions resulting from this phase of activity. The Project would require 10,305 cubic yards of cut and 11,382 cubic yards of fill. As such, the Project is anticipated to require 1,077 cubic yards of import.

ON-ROAD TRIPS

Construction generates on-road vehicle emissions from vehicle usage for workers, hauling, and vendors commuting to and from the site. The number of workers, hauling, and vendor trips are presented below in Table 3-2. It should be noted that for Vendor Trips, specifically, CalEEMod only assigns Vendor Trips to the Building Construction phase. Vendor trips would likely occur during all phases of construction. It should be noted that as paving and architectural coating activities overlap with building construction, the vendor trips assigned to building construction activities are assumed the same trips used to cover paving and architectural coating. As such, the CalEEMod defaults for Vendor Trips have been adjusted based on a ratio of the total vendor trips to the number of days of each subphase of activity.

TABLE 3-2: CONSTRUCTION TRIP ASSUMPTIONS

Phase Name	Worker Trips Per Day	Vendor Trips Per Day	Total Hauling Trips
Demolition/Crushing	18	4	339
Site Preparation	18	2	0
Grading	15	5	135
Building Construction	152	48	0
Paving	30	0	0
Architectural Coating	15	0	0

3.4.2 CONSTRUCTION DURATION

For purposes of analysis, construction of Project is expected to commence in October 2021 and be completed in November 2022. The construction schedule utilized in the analysis, shown in Table 3-3, represents a “worst-case” analysis scenario should construction occur any time after the respective dates since emission factors for construction decrease as time passes and the analysis year increases due to emission regulations becoming more stringent³. The duration of construction activity and associated equipment represents a reasonable approximation of the expected construction fleet as required per *CEQA Guidelines* (2).

TABLE 3-3: CONSTRUCTION DURATION

Phase Name	Start Date	End Date	Days
Demolition/Crushing	10/04/2021	10/29/2021	20
Site Preparation	10/30/2021	11/12/2021	10
Grading	11/13/2021	12/10/2021	20
Building Construction	12/11/2021	10/28/2022	230
Paving	10/29/2022	11/25/2022	20
Architectural Coating	10/01/2022	11/25/2022	40

3.4.3 CONSTRUCTION EQUIPMENT

A summary of construction equipment by phase is provided at Table 3-4. Consistent with industry standards and typical construction practices, each piece of equipment listed in Table 3-4 will operate up to a total of eight (8) hours per day, or more than two-thirds of the period during which construction activities are allowed pursuant to the City of Long Beach Municipal Code.

TABLE 3-4: CONSTRUCTION EQUIPMENT ASSUMPTIONS (1 OF 2)

Phase Name	Equipment	Amount	Hours Per Day
Demolition	Concrete/Industrial Saws	1	8
	Crushing/Proc. Equipment	1	8
	Excavators	3	8
	Rubber Tired Dozers	2	8
Site Preparation	Crawler Tractors	4	8
	Rubber Tired Dozers	3	8

³ As shown in the CalEEMod User's Guide Version 2016.3.2, Section 4.3 “OFFROAD Equipment” as the analysis year increases, emission factors for the same equipment pieces decrease due to the natural turnover of older equipment being replaced by newer less polluting equipment and new regulatory requirements.

TABLE 3-4: CONSTRUCTION EQUIPMENT ASSUMPTIONS (2 OF 2)

Phase Name	Equipment	Amount	Hours Per Day
Grading	Crawler Tractors	3	8
	Excavators	1	8
	Graders	1	8
	Rubber Tired Dozers	1	8
Building Construction	Cranes	1	8
	Crawler Tractors	3	8
	Forklifts	3	8
	Generator Sets	1	8
	Welders	1	8
Paving	Pavers	2	8
	Paving Equipment	2	8
	Rollers	2	8
Architectural Coating	Air Compressors	1	8

3.4.4 CONSTRUCTION EMISSIONS SUMMARY**IMPACTS WITHOUT MITIGATION**

The estimated maximum daily construction emissions without mitigation are summarized on Table 3-5. Detailed construction model outputs are presented in Appendix 3.1. Under the assumed scenarios, emissions resulting from the Project construction will not exceed thresholds established by the SCAQMD for emissions of any criteria pollutant.

TABLE 3-5: OVERALL CONSTRUCTION EMISSIONS SUMMARY – WITHOUT MITIGATION

Year	Emissions (lbs/day)					
	VOC	NO _x	CO	SO _x	PM ₁₀	PM _{2.5}
Summer						
2021	5.43	61.03	27.80	0.07	11.98	6.59
2022	30.41	36.56	28.00	0.08	3.75	1.95
Winter						
2021	5.44	61.04	27.81	0.07	11.98	6.59
2022	30.50	36.60	27.54	0.08	3.75	1.95
Maximum Daily Emissions	30.50	61.04	28.00	0.08	11.98	6.59
SCAQMD Regional Threshold	75	100	550	150	150	55
Threshold Exceeded?	NO	NO	NO	NO	NO	NO

3.5 OPERATIONAL EMISSIONS

Operational activities associated with the Project will result in emissions of VOCs, NO_x, SO_x, CO, PM₁₀, and PM_{2.5}. Operational emissions are expected from the following primary sources:

- Area Source Emissions
- Energy Source Emissions
- Mobile Source Emissions
- On-Site Cargo Handling Equipment Emissions

3.5.1 AREA SOURCE EMISSIONS

ARCHITECTURAL COATINGS

Over a period of time the buildings that are part of this Project will require maintenance and will therefore produce emissions resulting from the evaporation of solvents contained in paints, varnishes, primers, and other surface coatings. The emissions associated with architectural coatings were calculated using CalEEMod.

CONSUMER PRODUCTS

Consumer products include, but are not limited to detergents, cleaning compounds, polishes, personal care products, and lawn and garden products. Many of these products contain organic compounds which when released in the atmosphere can react to form ozone and other photochemically reactive pollutants. The emissions associated with use of consumer products were calculated based on defaults provided within CalEEMod.

LANDSCAPE MAINTENANCE EQUIPMENT

Landscape maintenance equipment would generate emissions from fuel combustion and evaporation of unburned fuel. Equipment in this category would include lawnmowers, shredders/grinders, blowers, trimmers, chain saws, and hedge trimmers used to maintain the landscaping of the Project. The emissions associated with landscape maintenance equipment were calculated based on assumptions provided in CalEEMod.

3.5.2 ENERGY SOURCE EMISSIONS

COMBUSTION EMISSIONS ASSOCIATED WITH NATURAL GAS AND ELECTRICITY

Electricity and natural gas are used by almost every project. Criteria pollutant emissions are emitted through the generation of electricity and consumption of natural gas. However, because electrical generating facilities for the Project area are located either outside the region (state) or offset through the use of pollution credits (RECLAIM) for generation within the SCAB, criteria pollutant emissions from offsite generation of electricity are generally excluded from the evaluation of significance and only natural gas use is considered. The emissions associated with natural gas use were calculated using CalEEMod.

3.5.3 MOBILE SOURCE EMISSIONS

The Project related operational air quality emissions derive primarily from vehicle trips generated by the Project, including employee trips to and from the site and truck trips associated with the proposed uses. As summarized in the *San Francisco Avenue Trip Generation Assessment*, the Project is expected to generate approximately 308 two-way vehicular trips (154 inbound and 154 outbound) which includes 26 two-way truck trips per day (13 inbound and 13 outbound) associated with the General Light Industrial land use and approximately 108 two-way vehicular trips (54 inbound and 54 outbound) which includes 30 two-way truck trips per day (15 inbound and 15 outbound) associated with the Warehouse land use (36).

APPROACH FOR ANALYSIS OF THE PROJECT

To determine emissions from passenger car vehicles, the CalEEMod defaults were utilized for trip length and trip purpose for the proposed Light Industrial and Warehouse use.

For the proposed industrial uses, it is important to note that although the *San Francisco Avenue Trip Generation Assessment* does not break down passenger cars by type, this analysis assumes that passenger cars include Light-Duty-Auto vehicles (LDA), Light-Duty-Trucks (LDT1⁴ & LDT2⁵), Medium-Duty-Vehicles (MDV), Motorcycles (MCY) vehicle types. To account for emissions generated by passenger cars, the following fleet mix was utilized in this analysis:

TABLE 3-6: PASSENGER CAR FLEET MIX

Land Use	Vehicle Type	%
General Light Industrial	LDA	59.34
	LDT1	4.88
	LDT2	22.15
	MDV	13.07
	MCY	0.56
Warehouse	LDA	59.34
	LDT1	4.88
	LDT2	22.15
	MDV	13.07
	MCY	0.56

Note: The Project-specific passenger car fleet mix used in this analysis is based on a proportional split utilizing the default CalEEMod percentages assigned to LDA, LDT1, LDT2, MDV, MCY vehicle types.

⁴ Vehicles under the LDT1 category have a gross vehicle weight rating (GVWR) of less than 6,000 lbs. and equivalent test weight (ETW) of less than or equal to 3,750 lbs.

⁵ Vehicles under the LDT2 category have a GVWR of less than 6,000 lbs. and ETW between 3,751 lbs. and 5,750 lbs.

To determine emissions from trucks for the proposed industrial uses, the analysis incorporated the SCAQMD recommended truck trip length of 40 miles⁶ and an assumption of 100% primary trips for the proposed industrial land uses.

In order to be consistent with the *San Francisco Avenue Trip Generation Assessment*, trucks are broken down by truck type. The truck fleet mix is estimated by rationing the trip rates for each truck type based on information provided in the *San Francisco Avenue Trip Generation Assessment*. Heavy trucks are broken down by truck type (or axle type) and are categorized as either Light-Heavy-Duty Trucks (LHDT1⁷ & LHDT2⁸)/2-axle, Medium-Heavy-Duty Trucks (MHDT)/3-axle, and Heavy-Heavy-Duty Trucks (HHDT)/4+-axle. To account for emissions generated by trucks, the following fleet mix was utilized in this analysis:

TABLE 3-7: TRUCK FLEET MIX

Land Use	Vehicle Type	%
General Light Industrial	LHDT1	12.18
	LHDT2	4.80
	MHDT	20.75
	HHDT	62.27
Warehouse	LHDT1	12.18
	LHDT2	4.80
	MHDT	20.75
	HHDT	62.27

Note: Project-specific truck fleet mix is based on the number of trips generated by each truck type (LHDT1, LHDT2, MHDT, and HHDT) relative to the total number of truck trips.

FUGITIVE DUST RELATED TO VEHICULAR TRAVEL

Vehicles traveling on paved roads would be a source of fugitive emissions due to the generation of road dust inclusive of break and tire wear particulates. The emissions estimate for travel on paved roads were calculated using CalEEMod.

3.5.4 ON-SITE CARGO HANDLING EQUIPMENT EMISSIONS

It is common for industrial warehouse buildings to require cargo handling equipment to move empty containers and empty chassis to and from the various pieces of cargo handling equipment that receive and distribute containers. For purposes of analysis, it is assumed that the Project would require on-site operational equipment of up to two (2) 200 horsepower (hp), compressed

⁶ The average trip length for heavy trucks were based on the SCAQMD documents for the implementation of the Facility-Based Mobile Source Measures (FBMSMs) adopted in the 2016 AQMP. SCAQMD's "Preliminary Warehouse Emission Calculations" cites 39.9-mile trip length for heavy-heavy trucks (41). As a conservative measure, a trip length of 40 miles has been utilized for all trucks for the purpose of this analysis (39)

⁷ Vehicles under the LHDT1 category have a GVWR of 8,501 to 10,000 lbs.

⁸ Vehicles under the LHDT2 category have a GVWR of 10,001 to 14,000 lbs.

natural gas or gasoline-powered tractors/loaders/backhoes operating at 4 hours a day for 365 days of the year.

3.5.5 OPERATIONAL EMISSIONS SUMMARY

The estimated operational-source emissions are summarized on Tables 3-8. Detailed operation model outputs for the Project are presented in Appendix 3.2. As shown on Table 3-8, the Project's daily regional emissions from on-going operations will not exceed any of the thresholds of significance.

TABLE 3-8: SUMMARY OF PEAK OPERATIONAL EMISSIONS

Source	Emissions (lbs/day)					
	VOC	NO _x	CO	SO _x	PM ₁₀	PM _{2.5}
Summer						
Area Source	2.82	6.30E-04	0.07	1.00E-05	2.50E-04	2.50E-04
Energy Source	0.03	0.25	0.21	1.48E-03	0.02	0.02
Mobile Source	1.42	14.24	15.23	0.09	5.48	1.59
On-Site Equipment Source	0.24	2.54	1.52	0.01	0.09	0.08
Total Maximum Daily Emissions	4.51	17.02	17.03	0.10	5.59	1.69
SCAQMD Regional Threshold	55	55	550	150	150	55
Threshold Exceeded?	NO	NO	NO	NO	NO	NO
Winter						
Area Source	2.82	6.30E-04	0.07	1.00E-05	2.50E-04	2.50E-04
Energy Source	0.03	0.25	0.21	1.48E-03	0.02	0.02
Mobile Source	1.43	14.70	13.92	0.09	5.47	1.58
On-Site Equipment Source	0.24	2.54	1.52	0.01	0.09	0.08
Total Maximum Daily Emissions	4.52	17.48	15.71	0.10	5.58	1.68
SCAQMD Regional Threshold	55	55	550	150	150	55
Threshold Exceeded?	NO	NO	NO	NO	NO	NO

3.6 COMPARISON TO ANALYSIS IN *LUE EIR*

This section summarizes the Project's emissions impacts in this AQIA as compared to the emissions totals and impacts that were identified in the *LUE EIR* (1).

3.6.1 *LUE EIR* OPERATIONAL EMISSIONS

Tables 3-9 shows the operational-source emissions associated with buildout of the *LUE EIR* (1).

TABLE 3-9: LUE EIR OPERATIONAL EMISSIONS

Source	Emissions (lbs/day)					
	VOC	NO _x	CO	SO _x	PM ₁₀	PM _{2.5}
Area Source	7,019.00	2,760.00	14,205.00	15.00	243.00	243.00
Energy Source	112.00	1,185.00	600.00	10.00	68.00	68.00
Mobile Source	1,537.00	16,698.00	3,385.00	33.00	1,673.00	159.00
Total Maximum Daily Emissions	8,668.00	20,644.00	18,190.00	58.00	1,986.00	442.00

3.6.2 CURRENTLY ADOPTED GENERAL PLAN LAND USE OPERATIONAL EMISSIONS

This section summarizes the Project's emissions impacts in this AQIA as compared to the emissions totals that would occur if the site were built under the currently adopted land use. Building 1 is located on a vacant parcel (currently paved for parking, no building). However, Building 2 is currently being utilized for long-term contractor parking. The site is currently occupied by a 19,300-sf building in the northeast corner of the site. Both sites for Buildings 1 and 2 are designated for Light Industrial use. The City's General Plan (December 2019) identifies the existing land use on the site as Neo-Industrial, which allows non-residential development at an intensity of 0.5-1.00 floor to area ratio (FAR) of industrial uses. As such, the existing 6.31-acre site currently assumes between 137,432 sf to 274,864 sf of light industrial uses. The operational emissions are shown on Table 3-10 for the currently adopted land use assuming a lower end of 137,432 sf were developed with a light industrial land use.

TABLE 3-10: CURRENTLY ADOPTED GENERAL PLAN LAND USE OPERATIONAL EMISSIONS (1 OF 2)

Source	Emissions (lbs/day)					
	VOC	NO _x	CO	SO _x	PM ₁₀	PM _{2.5}
Summer						
Area Source	3.13	2.60E-04	0.03	0.00	1.00E-04	1.00E-04
Energy Source	0.07	0.67	0.56	4.01E-03	0.05	0.05
Mobile Source	0.42	13.32	3.32	0.06	7.18	1.92
On-Site Equipment Source	0.12	1.27	0.76	3.17E-03	0.04	0.04
Total Maximum Daily Emissions	3.74	15.25	4.67	0.07	7.27	2.01
SCAQMD Regional Threshold	55	55	550	150	150	55
Threshold Exceeded?	NO	NO	NO	NO	NO	NO

TABLE 3-10: CURRENTLY ADOPTED GENERAL PLAN LAND USE OPERATIONAL EMISSIONS (1 OF 2)

Source	Emissions (lbs/day)					
	VOC	NO _x	CO	SO _x	PM ₁₀	PM _{2.5}
Winter						
Area Source	3.13	2.60E-04	0.03	0.00	1.00E-04	1.00E-04
Energy Source	0.07	0.67	0.56	4.01E-03	0.05	0.05
Mobile Source	0.40	13.69	2.69	0.06	7.17	1.92
On-Site Equipment Source	0.12	1.27	0.76	3.17E-03	0.04	0.04
Total Maximum Daily Emissions	3.72	15.63	4.04	0.07	7.27	2.01
SCAQMD Regional Threshold	55	55	550	150	150	55
Threshold Exceeded?	NO	NO	NO	NO	NO	NO

3.6.3 COMPARISON OF THE PROPOSED PROJECT TO THE CURRENTLY ADOPTED GENERAL PLAN LAND USE

As shown in Table 3-11, the proposed Project is anticipated to generate slightly more emissions per day for pollutants of VOC, NO_x, CO, SO_x, PM₁₀, and PM_{2.5} when compared to the emissions generated by currently adopted general plan land use assumed for the Project site by the *LUE EIR*.

TABLE 3-11: COMPARISON OF THE PROPOSED PROJECT TO THE CURRENTLY ADOPTED LAND USE

Source	Emissions (lbs/day)					
	VOC	NO _x	CO	SO _x	PM ₁₀	PM _{2.5}
Summer						
Proposed Project	4.51	17.02	17.03	0.10	5.59	1.69
Currently Adopted Land Use	3.74	15.25	4.67	0.07	7.27	2.01
Net (Project – Currently Adopted)	0.77	1.77	12.36	0.03	-1.69	-0.33
Winter						
Proposed Project	4.52	17.48	15.71	0.10	5.58	1.68
Currently Adopted Land Use	3.72	15.63	4.04	0.07	7.27	2.01
Net (Project – Currently Adopted)	0.80	1.85	11.67	0.03	-1.69	-0.33

3.7 LOCALIZED SIGNIFICANCE**BACKGROUND ON LOCALIZED SIGNIFICANCE THRESHOLD (LST) DEVELOPMENT**

The analysis makes use of methodology included in the SCAQMD *Final Localized Significance Threshold Methodology* (LST Methodology). The SCAQMD has established that impacts to air quality are significant if there is a potential to contribute or cause localized exceedances of the

federal and/or state ambient air quality standards (NAAQS/CAAQS). Collectively, these are referred to as Localized Significance Thresholds (LSTs).

The SCAQMD established LSTs in response to the SCAQMD Governing Board's Environmental Justice Initiative I-4⁹. LSTs represent the maximum emissions from a project that would not cause or contribute to an exceedance of the most stringent applicable federal or state ambient air quality standard at the nearest residence or sensitive receptor. The SCAQMD states that lead agencies can use the LSTs as another indicator of significance in its air quality impact analyses.

LSTs were developed in response to environmental justice and health concerns raised by the public regarding exposure of individuals to criteria pollutants in local communities. To address the issue of localized significance, the SCAQMD adopted LSTs that show whether a project would cause or contribute to localized air quality impacts and thereby cause or contribute to potential localized adverse health effects. The analysis makes use of methodology included in the *LST Methodology* (37).

APPLICABILITY OF LSTs FOR THE PROJECT

For this Project, the appropriate SRA for the LST analysis is the SCAQMD South Coastal Los Angeles County 3 (SRA 4). LSTs apply to CO, NO₂, PM₁₀, and PM_{2.5}. The SCAQMD produced look-up tables for projects less than or equal to 5 acres in size.

In order to determine the appropriate methodology for determining localized impacts that could occur as a result of Project-related construction, the following process is undertaken:

- Identify the maximum daily on-site emissions that will occur during construction activity:
 - The maximum daily on-site emissions could be based on information provided by the Project Applicant; or
 - The SCAQMD's *Fact Sheet for Applying CalEEMod to Localized Significance Thresholds* and *CalEEMod User's Guide Appendix A: Calculation Details for CalEEMod* can be used to determine the maximum site acreage that is actively disturbed based on the construction equipment fleet and equipment hours as estimated in CalEEMod (38) (35).
- If the total acreage disturbed is less than or equal to 5 acres per day, then the SCAQMD's screening look-up tables are utilized to determine if a Project has the potential to result in a significant impact. The look-up tables establish a maximum daily emissions threshold in lbs/day that can be compared to CalEEMod outputs.
- If the total acreage disturbed is greater than 5 acres per day, then LST impacts may still be conservatively evaluated using the LST look-up tables for a 5-acre disturbance area. Use of the 5-acre disturbance area thresholds can be used to show that even if the daily emissions from all construction activity were emitted within a 5-acre area, and therefore concentrated over a smaller area which would result in greater site adjacent concentrations, the impacts would still be less than significant if the applicable 5-acre thresholds are utilized.

⁹ The purpose of SCAQMD's Environmental Justice program is to ensure that everyone has the right to equal protection from air pollution and fair access to the decision-making process that works to improve the quality of air within their communities. Further, the SCAQMD defines Environmental Justice as "...equitable environmental policymaking and enforcement to protect the health of all residents, regardless of age, culture, ethnicity, gender, race, socioeconomic status, or geographic location, from the health effects of air pollution."

- The *LST Methodology* presents mass emission rates for each SRA, project sizes of 1, 2, and 5 acres, and nearest receptor distances of 25, 50, 100, 200, and 500 meters. For project sizes between the values given, or with receptors at distances between the given receptors, the methodology uses linear interpolation to determine the thresholds.

EMISSIONS CONSIDERED

Based on SCAQMD's *LST Methodology*, emissions for concern during construction activities are on-site NO_x, CO, PM_{2.5}, and PM₁₀. The *LST Methodology* clearly states that "off-site mobile emissions from the Project should not be included in the emissions compared to LSTs (39)." As such, for purposes of the construction LST analysis, only emissions included in the CalEEMod "on-site" emissions outputs were considered.

MAXIMUM DAILY DISTURBED-ACREAGE

As a conservative measure, it is assumed that the entire Project site (12.69 acres) can be actively disturbed during construction of the site. In CalEEMod, the Total Acres Graded (TAG) field represents the cumulative distance traversed on the property by the grading equipment. In order to properly grade a piece of land, multiple passes with grading equipment may be required. So even though the lot size is a fixed number of acres, the TAG could be an order of magnitude higher than the footprint of the lot (35). Total Acres Graded (TAG) is a function of the maximum acreage disturbed per day times the number of days of the subphase of construction. As such, the TAG field in CalEEMod has been revised to 127 acres (12.69 acres per day x 10 days) for site preparation and 381 acres (12.69 acres per day x 30 days) for site preparation¹⁰.

RECEPTORS

As previously stated, LSTs represent the maximum emissions from a project that would not cause or contribute to an exceedance of the most stringent applicable NAAQS and CAAQS at the nearest residence or sensitive receptor. Receptor locations are off-site locations where individuals may be exposed to emissions from Project activities.

Some people are especially sensitive to air pollution and are given special consideration when evaluating air quality impacts from projects. These groups of people include children, the elderly, and individuals with pre-existing respiratory or cardiovascular illness. Structures that house these persons or places where they gather are defined as "sensitive receptors". These structures typically include uses such as residences, hotels, and hospitals where an individual can remain for 24 hours. Consistent with the *LST Methodology*, the nearest land use where an individual could remain for 24 hours to the Project site will be used to determine construction and operational air quality impacts for emissions of PM₁₀ and PM_{2.5}, since PM₁₀ and PM_{2.5} thresholds are based on a 24-hour averaging time.

LSTs apply, even for non-sensitive land uses, consistent with *LST Methodology* and SCAQMD guidance. Per the *LST Methodology*, commercial and industrial facilities are not included in the definition of sensitive receptor because employees and patrons do not typically remain onsite

¹⁰ CalEEMod does not provide a "Total Acres Graded" field for Demolition, Building Construction, Paving, or Architectural Coating activities.

for a full 24 hours but are typically onsite for 8 hours or less. However, *LST Methodology* explicitly states that “LSTs based on shorter averaging periods, such as the NO₂ and CO LSTs, could also be applied to receptors such as industrial or commercial facilities since it is reasonable to assume that a worker at these sites could be present for periods of one to eight hours (39).” Therefore, any adjacent land use where an individual could remain for 1 or 8-hours, that is located at a closer distance to the Project site than the receptor used for PM₁₀ and PM_{2.5} analysis, must be considered to determine construction and operational LST air impacts for emissions of NO₂ and CO since these pollutants have an averaging time of 1 and 8-hours.

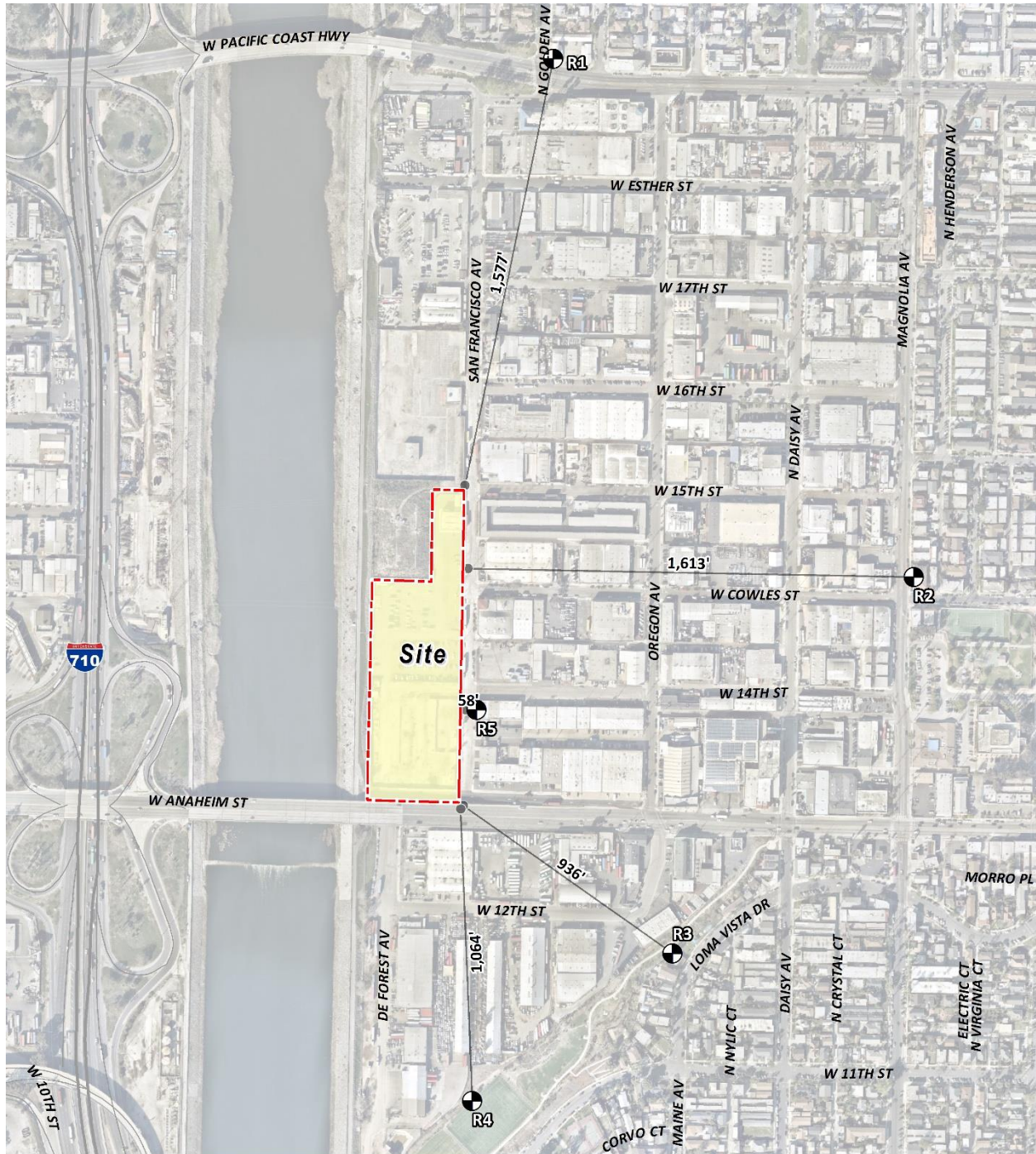
PROJECT-RELATED RECEPTORS

Receptors in the Project study area are described below and shown on Exhibit 3-A. Localized air quality impacts were evaluated at sensitive receptor land uses nearest the Project site. All distances are measured from the Project site boundary to the outdoor living areas (e.g., backyards) or at the building façade, whichever is closer to the Project site. The selection of receptor locations is based on Federal Highway Administration (FHWA) guidelines and is consistent with additional guidance provided by Caltrans and the Federal Transit Administration (FTA).

- R1: Location R1 represents the Travel Eagle Inn Motel at 809 West Pacific Coast Highway, approximately 1,577 feet north of the Project site. Receptor R1 is placed at the building façade.
- R2: Location R2 represents the existing multi-family residential home at 461 West Cowles Street, approximately 1,613 feet east of the Project site. Since there are no private outdoor living areas (backyards) facing the Project site, receptor R2 is placed at the building façade.
- R3: Location R3 represents the existing single-family residential home at 1153 North Loma Vista Drive, approximately 936 feet southeast of the Project site. Since there are no private outdoor living areas (backyards) facing the Project site, receptor R3 is placed at the building façade.
- R4: Location R4 represents the Drake/Chavez Soccer Fields at 903 Fairbanks Avenue, approximately 1,064 feet south of the Project site. Receptor R4 is placed at the field boundary.
- R5: Location R5 represents the Urban Element Design, Inc. manufacturing facility at 806 West 14th Street, located approximately 58 feet east of the Project site. Receptor R5 is placed at the approximate location of where the future building façade is anticipated.

The SCAQMD recommends that the nearest sensitive receptor be considered when determining the Project’s potential to cause an individual a cumulatively significant impact. The nearest land use where an individual could remain for 24 hours to the Project site has been used to determine localized construction and operational air quality impacts for emissions of PM₁₀ and PM_{2.5} (since PM₁₀ and PM_{2.5} thresholds are based on a 24-hour averaging time). The nearest receptor used for evaluation of localized impacts of PM₁₀ and PM_{2.5} is represented by the existing single-family residential home located at 1153 North Loma Vista Drive, located approximately 936 feet (285 meters) north of the Project site.

EXHIBIT 3-A: RECEPTOR LOCATIONS



- LEGEND:**
-  N
 -  Receptor Locations
 -  Distance from receptor to Project site boundary (in feet)

As previously stated, and consistent with *LST Methodology*, the nearest industrial/commercial use to the Project site is used to determine construction and operational LST air impacts for emissions of NO_x and CO as the averaging periods for these pollutants are shorter (8 hours or less) and it is reasonable to assume that an individual could be present at these sites for periods of one to 8 hours. The nearest receptor used for evaluation of localized impacts of NO_x and CO is represented by the Urban Element Design, Inc. manufacturing facility at 806 West 14th Street, located approximately 58 feet (18 meters) south of the Project site.

It should be noted that the *LST Methodology* explicitly states that “*It is possible that a project may have receptors closer than 25 meters. Projects with boundaries located closer than 25 meters to the nearest receptor should use the LSTs for receptors located at 25 meters (40).*” As such a 25-meter receptor distance will be used for evaluation of localized NO_x and CO.

3.8 CONSTRUCTION-SOURCE EMISSIONS LST ANALYSIS

3.8.1 LOCALIZED THRESHOLDS FOR CONSTRUCTION ACTIVITY

Although the total acreage disturbed is more than 5 acres per day for construction activities, the *LST Methodology* provides look-up tables for sites with an area with daily disturbance of 5 acres or less. For projects that exceed 5 acres, the 5-acre LST look-up tables can be used as a screening tool to determine which pollutants require additional detailed analysis. This approach is conservative as it assumes that all on-site emissions associated with the Project would occur within a concentrated 5-acre area. This screening method would therefore over-predict potential localized impacts, because by assuming that on-site construction activities are occurring over a smaller area, the resulting concentrations of air pollutants are more highly concentrated once they reach the smaller site boundary than they would be for activities if they were spread out over a larger surface area. On a larger site, the same amount of air pollutants generated would disperse over a larger surface area and would result in a lower concentration once emissions reach the Project-site boundary. As such, LSTs for a 5-acre site during construction are used as a screening tool to determine if further detailed analysis is required. The thresholds used in for the construction-source LST analysis are presented below in Table 3-12.

TABLE 3-12: MAXIMUM DAILY LOCALIZED CONSTRUCTION EMISSIONS THRESHOLDS

Pollutant	Construction Localized Thresholds
NO _x	123 lbs/day
CO	1,530 lbs/day
PM ₁₀	120 lbs/day
PM _{2.5}	62 lbs/day

3.8.2 CONSTRUCTION-SOURCE LOCALIZED EMISSIONS

IMPACTS WITHOUT MITIGATION

Table 3-13 identifies the localized impacts at the nearest receptor location in the vicinity of the Project. For analytical purposes, emissions associated with peak demolition/crushing, site

preparation, and grading activities are considered for purposes of LSTs since these phases represents the maximum localized emissions that would occur. Any other construction phases of development that overlap would result in lesser emissions and consequently lesser impacts than what is disclosed herein. Without mitigation, localized construction emissions would not exceed the applicable SCAQMD LSTs for emissions of any criteria pollutant.

TABLE 3-13: LOCALIZED CONSTRUCTION-SOURCE EMISSIONS – WITHOUT MITIGATION

On-Site Emissions	Emissions (lbs/day)			
	NO _x	CO	PM ₁₀	PM _{2.5}
Demolition/Crushing				
Maximum Daily Emissions	34.94	25.90	3.28	1.89
SCAQMD Localized Threshold	123	1,530	120	62
Threshold Exceeded?	NO	NO	NO	NO
Site Preparation				
Maximum Daily Emissions	60.79	21.85	11.76	6.53
SCAQMD Localized Threshold	123	1,530	120	62
Threshold Exceeded?	NO	NO	NO	NO
Grading				
Maximum Daily Emissions	39.95	16.38	6.03	3.00
SCAQMD Localized Threshold	123	1,530	120	62
Threshold Exceeded?	NO	NO	NO	NO

3.9 OPERATIONAL-SOURCE EMISSIONS LST ANALYSIS

The Project site is located on an approximately 6.31-acre parcel. As noted previously, the *LST Methodology* provides look-up tables for sites with an area with daily disturbance of 5 acres or less. For projects that exceed 5 acres, the 5-acre LST look-up tables can be used as a screening tool to determine whether pollutants require additional detailed analysis. This approach is conservative as it assumes that all on-site emissions associated with the project would occur within a concentrated 5-acre area. This screening method would therefore over-predict potential localized impacts, because by assuming that on-site operational activities are occurring over a smaller area, the resulting concentrations of air pollutants are more highly concentrated once they reach the smaller site boundary than they would be for activities if they were spread out over a larger surface area. On a larger site, the same amount of air pollutants generated would disperse over a larger surface area and would result in a lower concentration once emissions reach the project-site boundary. As such, LSTs for a 5-acre site during operations are used as a screening tool to determine if further detailed analysis is required.

The LST analysis generally includes on-site sources (area, energy, mobile, and on-site cargo handling equipment – are previously discussed in Section 3.5 of this report). However, it should be noted that the CalEEMod outputs do not separate on-site and off-site emissions from mobile

sources. In an effort to establish a maximum potential impact scenario for analytic purposes, the emissions shown on Table 3-15 represent all on-site Project-related stationary sources and 5% of the Project-related mobile sources. Considering that the trip length used in CalEEMod for the Project is approximately 16.6 miles for passenger cars and 40.0 miles for all trucks, 5% of this total would represent an on-site travel distance of approximately 0.8 mile for passenger cars and 2 miles for trucks. It should be noted that the longest on-site distance is roughly 0.5 miles for passenger cars and trucks. As such, the 5% assumption is conservative and would tend to overstate the actual impact because it is not likely that a passenger car or truck would drive 0.8 mile or 2 miles on the site, respectively. Modeling based on these assumptions demonstrates that even within broad encompassing parameters, Project operational-source emissions would not exceed applicable LSTs.

3.9.1 LOCALIZED THRESHOLDS FOR OPERATIONAL ACTIVITY

As previously stated, LSTs for a 5-acre site during operations are used as a screening tool to determine if further detailed analysis is required.

TABLE 3-14: MAXIMUM DAILY LOCALIZED OPERATIONAL EMISSIONS THRESHOLDS

Pollutant	Operational Localized Thresholds
NO _x	123 lbs/day
CO	1,530 lbs/day
PM ₁₀	29 lbs/day
PM _{2.5}	15 lbs/day

3.9.2 OPERATIONAL-SOURCE LOCALIZED EMISSIONS

As shown on Table 3-15 operational emissions would not exceed the LST thresholds for the nearest sensitive receptor. Therefore, the Project would have a less than significant localized impact during operational activity.

TABLE 3-15: LOCALIZED SIGNIFICANCE SUMMARY OF OPERATIONS

On-Site Emissions	Emissions (lbs/day)			
	NO _x	CO	PM ₁₀	PM _{2.5}
Maximum Daily Emissions	3.52	2.56	0.38	0.18
SCAQMD Localized Threshold	123	1,530	29	15
Threshold Exceeded?	NO	NO	NO	NO

3.10 CO “HOT SPOT” ANALYSIS

As discussed below, the Project would not result in potentially adverse CO concentrations or “hot spots.” Further, detailed modeling of Project-specific CO “hot spots” is not needed to reach this

conclusion. An adverse CO concentration, known as a “hot spot”, would occur if an exceedance of the state one-hour standard of 20 ppm or the eight-hour standard of 9 ppm were to occur.

It has long been recognized that CO hotspots are caused by vehicular emissions, primarily when idling at congested intersections. In response, vehicle emissions standards have become increasingly stringent in the last twenty years. Currently, the allowable CO emissions standard in California is a maximum of 3.4 grams/mile for passenger cars (there are requirements for certain vehicles that are more stringent). With the turnover of older vehicles, introduction of cleaner fuels, and implementation of increasingly sophisticated and efficient emissions control technologies, CO concentration in the SCAB is now designated as attainment.

To establish a more accurate record of baseline CO concentrations affecting the SCAB, a CO “hot spot” analysis was conducted in 2003 for four busy intersections in Los Angeles at the peak morning and afternoon time periods. This “hot spot” analysis did not predict any violation of CO standards, as shown on Table 3-16.

TABLE 3-16: CO MODEL RESULTS

Intersection Location	CO Concentrations (ppm)		
	Morning 1-hour	Afternoon 1-hour	8-hour
Wilshire Boulevard/Veteran Avenue	4.6	3.5	3.7
Sunset Boulevard/Highland Avenue	4	4.5	3.5
La Cienega Boulevard/Century Boulevard	3.7	3.1	5.2
Long Beach Boulevard/Imperial Highway	3	3.1	8.4

Notes: Federal 1-hour standard is 35 ppm, and the deferral 8-hour standard is 9.0 ppm.

Based on the SCAQMD's 2003 AQMP and the 1992 Federal Attainment Plan for Carbon Monoxide (*1992 CO Plan*), peak CO concentrations in the SCAB were a result of unusual meteorological and topographical conditions and not a result of traffic volumes and congestion at a particular intersection. As evidence of this, for example, 8.4 ppm 8-hr CO concentration measured at the Long Beach Blvd. and Imperial Hwy. intersection (highest CO generating intersection within the “hot spot” analysis), only 0.7 ppm was attributable to the traffic volumes and congestion at this intersection; the remaining 7.7 ppm were due to the ambient air measurements at the time the 2003 AQMP was prepared (41). In contrast, an adverse CO concentration, known as a “hot spot”, would occur if an exceedance of the state one-hour standard of 20 parts per million (ppm) or the eight-hour standard of 9 ppm were to occur.

The ambient 1-hr and 8-hr CO concentration within the Project study area is estimated to be 3.0 ppm and 2.1 ppm, respectively (data from South Coastal Los Angeles County 3 station for 2019). Therefore, even if the traffic volumes for the proposed Project were double or even triple of the traffic volumes generated at the Long Beach Blvd. and Imperial Hwy. intersection, coupled with the on-going improvements in ambient air quality, the Project would not be capable of resulting in a CO “hot spot” at any study area intersections.

Similar considerations are also employed by other Air Districts when evaluating potential CO concentration impacts. More specifically, the Bay Area Air Quality Management District (BAAQMD) concludes that under existing and future vehicle emission rates, a given project would have to increase traffic volumes at a single intersection by more than 44,000 vehicles per hour (vph)—or 24,000 vph where vertical and/or horizontal air does not mix—in order to generate a significant CO impact (42). Traffic volumes generating the CO concentrations for the “hot spot” analysis is shown on Table 3-17. The busiest intersection evaluated was that at Wilshire Boulevard and Veteran Avenue, which has a daily traffic volume of approximately 100,000 vph and AM/PM traffic volumes of 8,062 vph and 7,719 vph respectively (41). The 2003 AQMP estimated that the 1-hour concentration for this intersection was 4.6 ppm; this indicates that, should the daily traffic volume increase four times to 400,000 vehicles per day, CO concentrations ($4.6 \text{ ppm} \times 4 = 18.4 \text{ ppm}$) would still not likely exceed the most stringent 1-hour CO standard (20.0 ppm)¹¹.

TABLE 3-17: TRAFFIC VOLUMES

Intersection Location	Peak Traffic Volumes (vph)				
	Eastbound (AM/PM)	Westbound (AM/PM)	Southbound (AM/PM)	Northbound (AM/PM)	Total (AM/PM)
Wilshire Boulevard/Veteran Avenue	4,954/2,069	1,830/3,317	721/1,400	560/933	8,062/7,719
Sunset Boulevard/Highland Avenue	1,417/1,764	1,342/1,540	2,304/1,832	1,551/2,238	6,614/5,374
La Cienega Boulevard/Century Boulevard	2,540/2,243	1,890/2,728	1,384/2,029	821/1,674	6,634/8,674
Long Beach Boulevard/Imperial Highway	1,217/2,020	1,760/1,400	479/944	756/1,150	4,212/5,514

3.11 AQMP

The Project site is located within the SCAB, which is characterized by relatively poor air quality. The SCAQMD has jurisdiction over an approximately 10,743 square-mile area consisting of the four-county Basin and the Los Angeles County and Riverside County portions of what use to be referred to as the Southeast Desert Air Basin. In these areas, the SCAQMD is principally responsible for air pollution control, and works directly with the SCAG, county transportation commissions, local governments, as well as state and federal agencies to reduce emissions from stationary, mobile, and indirect sources to meet state and federal ambient air quality standards.

Currently, these state and federal air quality standards are exceeded in most parts of the SCAB. In response, the SCAQMD has adopted a series of AQMPs to meet the state and federal ambient air quality standards. AQMPs are updated regularly in order to more effectively reduce emissions, accommodate growth, and to minimize any negative fiscal impacts of air pollution control on the economy.

In March 2017, the SCAQMD released the *Final 2016 AQMP (2016 AQMP)*. The 2016 AQMP continues to evaluate current integrated strategies and control measures to meet the NAAQS, as

¹¹ Based on the ratio of the CO standard (20.0 ppm) and the modeled value (4.6 ppm)

well as explore new and innovative methods to reach its goals. Some of these approaches include utilizing incentive programs, recognizing existing co-benefit programs from other sectors, and developing a strategy with fair-share reductions at the federal, state, and local levels (43). Similar to the 2012 AQMP, the 2016 AQMP incorporates scientific and technological information and planning assumptions, including the 2016-2040 *Regional Transportation Plan/Sustainable Communities Strategy (2016-2040 RTP/SCS)*, a planning document that supports the integration of land use and transportation to help the region meet the federal CAA requirements (18). The Project's consistency with the AQMP will be determined using the 2016 AQMP as discussed below.

Criteria for determining consistency with the AQMP are defined in Chapter 12, Section 12.2, and Section 12.3 of the 1993 *CEQA Handbook* (44). These indicators are discussed below:

3.11.1 CONSISTENCY CRITERION No. 1

The proposed Project will not result in an increase in the frequency or severity of existing air quality violations or cause or contribute to new violations or delay the timely attainment of air quality standards or the interim emissions reductions specified in the AQMP.

The violations that Consistency Criterion No. 1 refer to are the CAAQS and NAAQS. CAAQS and NAAQS violations would occur if regional or localized significance thresholds were exceeded.

Construction Impacts – Consistency Criterion 1

Consistency Criterion No. 1 refers to violations of the CAAQS and NAAQS. CAAQS and NAAQS violations would occur if regional or localized significance thresholds were exceeded. As evaluated, the Project's regional and localized construction-source emissions would not exceed applicable regional significance thresholds. As such, a less than significant impact is expected.

Operational Impacts – Consistency Criterion 1

As evaluated, the Project would not exceed the applicable regional and localized significance thresholds for operational activity. The Project would not result in any new or more serve impacts with respect to this threshold. Therefore, the Project would not conflict with the AQMP according to this criterion.

On the basis of the preceding discussion, the Project is determined to be consistent with the first criterion.

3.11.2 CONSISTENCY CRITERION No. 2

The Project will not exceed the assumptions in the AQMP based on the years of Project build-out phase.

The 2016 AQMP demonstrates that the applicable ambient air quality standards can be achieved within the timeframes required under federal law. Growth projections from local general plans adopted by cities in the district are provided to the SCAG, which develops regional growth forecasts, which are then used to develop future air quality forecasts for the AQMP. Development

consistent with the growth projections in City of Long Beach General Plan is considered to be consistent with the AQMP.

Construction Impacts – Consistency Criterion 2

Peak day emissions generated by construction activities are largely independent of land use assignments, but rather are a function of development scope and maximum area of disturbance. Irrespective of the site's land use designation, development of the site to its maximum potential would likely occur, with disturbance of the entire site occurring during construction activities. As such, when considering that no emissions thresholds will be exceeded, a less than significant impact would result.

Operational Impacts – Consistency Criterion 2

As previously stated, the Project site is designated for Neo-Industrial uses. Neo-Industrial designation encourages the location, evolution and retention of restricted light industrial activities associated with innovative start-up businesses and creative design offices in the arts, engineering, sciences, technology, media, education, information industries, among others (45). The Project is proposed to consist of two buildings totaling 124,972 sf of general light industrial use. With Building 1 at 63,419 sf and Building 2 at 61,553 sf, which is consistent with the site's General Plan land use designation. Since the Project's proposed land uses are consistent with the General Plan and as the Project's construction and operational-source air pollutant emissions would not exceed the regional or localized significance thresholds, the Project is determined to be consistent with the second criterion.

It is important to note that the *LUE EIR* does not quantify emissions for specific land use projects. As shown in Section 3.6 of this AQIA, operational-source emissions were calculated for the Project site based on the other currently approved land use designation identified in the *LUE EIR*. The proposed Project emissions are considered to be less than the emissions anticipated by the *LUE EIR* for the Project site for General Plan Buildout.

On the basis of the preceding discussion, the Project is determined to be consistent with the second criterion.

AQMP CONSISTENCY CONCLUSION

The Project would not have the potential to result in or cause NAAQS or CAAQS violations. Although the Project's proposed uses are not consistent with the General Plan land use designation, as the Project would not exceed the regional or localized construction and operational thresholds, the Project's development intensity is consistent with the development intensities allowed within the General Plan as previously stated. As such, the Project is considered to be consistent with the AQMP.

3.12 POTENTIAL IMPACTS TO SENSITIVE RECEPTORS

The potential impact of Project-generated air pollutant emissions at sensitive receptors has also been considered. Results of the LST analysis indicate that the Project will not exceed the

SCAQMD localized significance thresholds during construction. Therefore, sensitive receptors would not be exposed to substantial pollutant concentrations during Project construction.

Additionally, the Project will not exceed the SCAQMD localized significance thresholds during operational activity. Further Project traffic would not create or result in a CO “hotspot.” Therefore, sensitive receptors would not be exposed to substantial pollutant concentrations as the result of Project operations.

3.12.1 FRIANT RANCH CASE

In December 2018, in the case of *Sierra Club v. County of Fresno* (2018) 6 Cal.5th 502, California Supreme Court held that an EIR's air quality analysis must meaningfully connect the identified air quality impacts to the human health consequences of those impacts, or meaningfully explain why that analysis cannot be provided. As noted in the *Brief of Amicus Curiae* by the SCAQMD in the Friant Ranch case (April 6, 2015, Appendix 3.5), SCAQMD has among the most sophisticated air quality modeling and health impact evaluation capability of any of the air districts in the State, and thus it is uniquely situated to express an opinion on how lead agencies should correlate air quality impacts with specific health outcomes (46).

The SCAQMD discusses that it may be infeasible to quantify health risks caused by projects similar to the proposed Project, due to many factors. It is necessary to have data regarding the sources and types of air toxic contaminants, location of emission points, velocity of emissions, the meteorology and topography of the area, and the location of receptors (worker and residence) (46). The *Brief* states that it may not be feasible to perform a health risk assessment for airborne toxics that will be emitted by a generic industrial building that was built on "speculation" (i.e., without knowing the future tenant(s))¹² (46). Even where a health risk assessment can be prepared, however, the resulting maximum health risk value is only a calculation of risk—it does not necessarily mean anyone will contract cancer as a result of the Project (46). The *Brief* also cites the author of the CARB methodology, which reported that a PM_{2.5} methodology is not suited for small projects and may yield unreliable results (46). Similarly, SCAQMD staff does not currently know of a way to accurately quantify O₃-related health impacts caused by NO_x or VOC emissions from relatively small projects, due to photochemistry and regional model limitations (46). The *Brief* concludes, with respect to the Friant Ranch EIR, that although it may have been technically possible to plug the data into a methodology, the results would not have been reliable or meaningful (46).

On the other hand, for extremely large regional projects (unlike the proposed Project), the SCAQMD states that it has been able to correlate potential health outcomes for very large emissions sources – as part of their rulemaking activity, specifically 6,620 lbs./day of NO_x and 89,180 lbs./day of VOC were expected to result in approximately 20 premature deaths per year and 89,947 school absences due to O₃ (46).

¹² It should also be noted that the actual occurrence of specific health conditions is based on numerous other factors that are infeasible to quantify, such as an individual's genetic predisposition, diet, exercise regiment, stress, and other behavioral characteristics.

The proposed Project does not generate anywhere near 6,620 lbs/day of NO_x or 89,190 lbs/day of VOC emissions. The proposed Project would generate up to 61.04 lbs/day of NO_x during construction and 17.48 lbs/day of NO_x during operations (0.92% and 0.26% of 6,620 lbs/day, respectively). Additionally, the proposed Project would also generate a maximum of 30.50 lbs/day of VOC emissions during construction and 4.52 lbs/day of VOC emissions during operations (0.03% and 0.01% of 89,190 lbs/day, respectively). Therefore, the proposed Project's emissions are not sufficiently high enough to use a regional modeling program to correlate health effects on a basin-wide level.

Notwithstanding, this AQIA does evaluate the proposed Project's localized impact to air quality for emissions of CO, NO_x, PM₁₀, and PM_{2.5} by comparing the Proposed Project's on-site emissions to the SCAQMD's applicable LST thresholds. As evaluated in this AQIA, the proposed Project would not result in emissions that exceeded the SCAQMD's LSTs. Therefore, the proposed Project would not be expected to exceed the most stringent applicable federal or state ambient air quality standards for emissions of CO, NO_x, PM₁₀, and PM_{2.5}.

3.13 ODORS

The potential for the Project to generate objectionable odors has also been considered. Land uses generally associated with odor complaints include:

- Agricultural uses (livestock and farming)
- Wastewater treatment plants
- Food processing plants
- Chemical plants
- Composting operations
- Refineries
- Landfills
- Dairies
- Fiberglass molding facilities

The Project does not contain land uses typically associated with emitting objectionable odors. Potential odor sources associated with the proposed Project may result from construction equipment exhaust and the application of asphalt and architectural coatings during construction activities and the temporary storage of typical solid waste (refuse) associated with the proposed Project's (long-term operational) uses. Standard construction requirements would minimize odor impacts from construction. The construction odor emissions would be temporary, short-term, and intermittent in nature and would cease upon completion of the respective phase of construction and is thus considered less than significant. It is expected that Project-generated refuse would be stored in covered containers and removed at regular intervals in compliance with the solid waste regulations. The proposed Project would also be required to comply with SCAQMD Rule 402 to prevent occurrences of public nuisances. Therefore, odors associated with the proposed Project construction and operations would be less than significant and no mitigation is required (47).

3.14 CUMULATIVE IMPACTS

As previously shown in Table 2-3, the CAAQS designate the Project site as nonattainment for O₃, PM₁₀, and PM_{2.5} while the NAAQS designates the Project site as nonattainment for O₃ and PM_{2.5}.

The SCAQMD has published a report on how to address cumulative impacts from air pollution: *White Paper on Potential Control Strategies to Address Cumulative Impacts from Air Pollution* (48). In this report the SCAQMD clearly states (Page D-3):

“...the SCAQMD uses the same significance thresholds for project specific and cumulative impacts for all environmental topics analyzed in an Environmental Assessment or EIR. The only case where the significance thresholds for project specific and cumulative impacts differ is the Hazard Index (HI) significance threshold for TAC emissions. The project specific (project increment) significance threshold is HI > 1.0 while the cumulative (facility-wide) is HI > 3.0. It should be noted that the HI is only one of three TAC emission significance thresholds considered (when applicable) in a CEQA analysis. The other two are the maximum individual cancer risk (MICR) and the cancer burden, both of which use the same significance thresholds (MICR of 10 in 1 million and cancer burden of 0.5) for project specific and cumulative impacts.

Projects that exceed the project-specific significance thresholds are considered by the SCAQMD to be cumulatively considerable. This is the reason project-specific and cumulative significance thresholds are the same. Conversely, projects that do not exceed the project-specific thresholds are generally not considered to be cumulatively significant.”

Therefore, this analysis assumes that individual projects that do not generate operational or construction emissions that exceed the SCAQMD’s recommended daily thresholds for project-specific impacts would also not cause a cumulatively considerable increase in emissions for those pollutants for which SCAB is in nonattainment, and, therefore, would not be considered to have a significant, adverse air quality impact. Alternatively, individual project-related construction and operational emissions that exceed SCAQMD thresholds for project-specific impacts would be considered cumulatively considerable.

CONSTRUCTION IMPACTS

The Project-specific evaluation of emissions presented in the preceding analysis demonstrates that Project construction-source air pollutant emissions would not result in exceedances of regional thresholds. Therefore, Project construction-source emissions would be considered less than significant on a project-specific and cumulative basis.

OPERATIONAL IMPACTS

The Project-specific evaluation of emissions presented in the preceding analysis demonstrates that Project operational-source air pollutant emissions would not result in exceedances of

regional thresholds. Therefore, Project operational-source emissions would be considered less than significant on a project-specific and cumulative basis.

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5 CERTIFICATIONS

The contents of this air study report represent an accurate depiction of the environmental impacts associated with the proposed San Francisco Avenue. The information contained in this air quality impact assessment report is based on the best available data at the time of preparation. If you have any questions, please contact me directly at hqureshi@urbanxroads.com

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Master of Science in Environmental Studies
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PROFESSIONAL AFFILIATIONS

AEP – Association of Environmental Planners
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PROFESSIONAL CERTIFICATIONS

Planned Communities and Urban Infill – Urban Land Institute • June 2011
Indoor Air Quality and Industrial Hygiene – EMSL Analytical • April 2008
Principles of Ambient Air Monitoring – CARB • August 2007
AB2588 Regulatory Standards – Trinity Consultants • November 2006
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APPENDIX 2.1:

STATE/FEDERAL ATTAINMENT STATUS OF CRITERIA POLLUTANTS

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APPENDIX C

MAPS AND TABLES OF AREA DESIGNATIONS FOR STATE AND NATIONAL AMBIENT AIR QUALITY STANDARDS

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APPENDIX C

MAPS AND TABLES OF AREA DESIGNATIONS FOR STATE AND NATIONAL AMBIENT AIR QUALITY STANDARDS

This attachment fulfills the requirement of Health and Safety Code section 40718 for CARB to publish maps that identify areas where one or more violations of any State ambient air quality standard (State standard) or national ambient air quality standard (national standard) have been measured. The national standards are those promulgated under section 109 of the federal Clean Air Act (42 U.S.C. 7409).

This attachment is divided into three parts. The first part comprises a table showing the levels, averaging times, and measurement methods for each of the State and national standards. This is followed by a section containing maps and tables showing the area designations for each pollutant for which there is a State standard in the California Code of Regulations, title 17, section 70200. The last section contains maps and tables showing the most current area designations for the national standards.

Ambient Air Quality Standards

(Updated 5/4/16)

Pollutant	Averaging Time	California Standards ¹		National Standards ²		
		Concentration ³	Method ⁴	Primary ^{3,5}	Secondary ^{3,6}	Method ⁷
Ozone (O ₃) ⁸	1 Hour	0.09 ppm (180 µg/m³)	Ultraviolet Photometry	—	Same as Primary Standard	Ultraviolet Photometry
	8 Hour	0.070 ppm (137 µg/m³)		0.070 ppm (137 µg/m³)		
Respirable Particulate Matter (PM10) ⁹	24 Hour	50 µg/m³	Gravimetric or Beta Attenuation	150 µg/m³	Same as Primary Standard	Inertial Separation and Gravimetric Analysis
	Annual Arithmetic Mean	20 µg/m³		—		
Fine Particulate Matter (PM2.5) ⁹	24 Hour	—	—	35 µg/m³	Same as Primary Standard	Inertial Separation and Gravimetric Analysis
	Annual Arithmetic Mean	12 µg/m³	Gravimetric or Beta Attenuation	12.0 µg/m³	15 µg/m³	
Carbon Monoxide (CO)	1 Hour	20 ppm (23 mg/m³)	Non-Dispersive Infrared Photometry (NDIR)	35 ppm (40 mg/m³)	—	Non-Dispersive Infrared Photometry (NDIR)
	8 Hour	9.0 ppm (10 mg/m³)		9 ppm (10 mg/m³)	—	
	8 Hour (Lake Tahoe)	6 ppm (7 mg/m³)		—	—	
Nitrogen Dioxide (NO ₂) ¹⁰	1 Hour	0.18 ppm (339 µg/m³)	Gas Phase Chemiluminescence	100 ppb (188 µg/m³)	—	Gas Phase Chemiluminescence
	Annual Arithmetic Mean	0.030 ppm (57 µg/m³)		0.053 ppm (100 µg/m³)	Same as Primary Standard	
Sulfur Dioxide (SO ₂) ¹¹	1 Hour	0.25 ppm (655 µg/m³)	Ultraviolet Fluorescence	75 ppb (196 µg/m³)	—	Ultraviolet Fluorescence; Spectrophotometry (Pararosaniline Method)
	3 Hour	—		—	0.5 ppm (1300 µg/m³)	
	24 Hour	0.04 ppm (105 µg/m³)		0.14 ppm (for certain areas) ¹¹	—	
	Annual Arithmetic Mean	—		0.030 ppm (for certain areas) ¹¹	—	
Lead ^{12,13}	30 Day Average	1.5 µg/m³	Atomic Absorption	—	—	High Volume Sampler and Atomic Absorption
	Calendar Quarter	—		1.5 µg/m³ (for certain areas) ¹²	Same as Primary Standard	
	Rolling 3-Month Average	—		0.15 µg/m³		
Visibility Reducing Particles ¹⁴	8 Hour	See footnote 14	Beta Attenuation and Transmittance through Filter Tape	No National Standards		
Sulfates	24 Hour	25 µg/m³	Ion Chromatography			
Hydrogen Sulfide	1 Hour	0.03 ppm (42 µg/m³)	Ultraviolet Fluorescence			
Vinyl Chloride ¹²	24 Hour	0.01 ppm (26 µg/m³)	Gas Chromatography			

See footnotes on next page ...

1. California standards for ozone, carbon monoxide (except 8-hour Lake Tahoe), sulfur dioxide (1- and 24-hour), nitrogen dioxide, and particulate matter (PM₁₀, PM_{2.5}, and visibility reducing particles), are values that are not to be exceeded. All others are not to be equaled or exceeded. California ambient air quality standards are listed in the Table of Standards in Section 70200 of Title 17 of the California Code of Regulations.
2. National standards (other than ozone, particulate matter, and those based on annual arithmetic mean) are not to be exceeded more than once a year. The ozone standard is attained when the fourth highest 8-hour concentration measured at each site in a year, averaged over three years, is equal to or less than the standard. For PM₁₀, the 24-hour standard is attained when the expected number of days per calendar year with a 24-hour average concentration above 150 µg/m³ is equal to or less than one. For PM_{2.5}, the 24-hour standard is attained when 98 percent of the daily concentrations, averaged over three years, are equal to or less than the standard. Contact the U.S. EPA for further clarification and current national policies.
3. Concentration expressed first in units in which it was promulgated. Equivalent units given in parentheses are based upon a reference temperature of 25°C and a reference pressure of 760 torr. Most measurements of air quality are to be corrected to a reference temperature of 25°C and a reference pressure of 760 torr; ppm in this table refers to ppm by volume, or micromoles of pollutant per mole of gas.
4. Any equivalent measurement method which can be shown to the satisfaction of the CARB to give equivalent results at or near the level of the air quality standard may be used.
5. National Primary Standards: The levels of air quality necessary, with an adequate margin of safety to protect the public health.
6. National Secondary Standards: The levels of air quality necessary to protect the public welfare from any known or anticipated adverse effects of a pollutant.
7. Reference method as described by the U.S. EPA. An "equivalent method" of measurement may be used but must have a "consistent relationship to the reference method" and must be approved by the U.S. EPA.
8. On October 1, 2015, the national 8-hour ozone primary and secondary standards were lowered from 0.075 to 0.070 ppm.
9. On December 14, 2012, the national annual PM_{2.5} primary standard was lowered from 15 µg/m³ to 12.0 µg/m³. The existing national 24-hour PM_{2.5} standards (primary and secondary) were retained at 35 µg/m³, as was the annual secondary standard of 15 µg/m³. The existing 24-hour PM₁₀ standards (primary and secondary) of 150 µg/m³ also were retained. The form of the annual primary and secondary standards is the annual mean, averaged over 3 years.
10. To attain the 1-hour national standard, the 3-year average of the annual 98th percentile of the 1-hour daily maximum concentrations at each site must not exceed 100 ppb. Note that the national 1-hour standard is in units of parts per billion (ppb). California standards are in units of parts per million (ppm). To directly compare the national 1-hour standard to the California standards the units can be converted from ppb to ppm. In this case, the national standard of 100 ppb is identical to 0.100 ppm.
11. On June 2, 2010, a new 1-hour SO₂ standard was established and the existing 24-hour and annual primary standards were revoked. To attain the 1-hour national standard, the 3-year average of the annual 99th percentile of the 1-hour daily maximum concentrations at each site must not exceed 75 ppb. The 1971 SO₂ national standards (24-hour and annual) remain in effect until one year after an area is designated for the 2010 standard, except that in areas designated nonattainment for the 1971 standards, the 1971 standards remain in effect until implementation plans to attain or maintain the 2010 standards are approved.

Note that the 1-hour national standard is in units of parts per billion (ppb). California standards are in units of parts per million (ppm). To directly compare the 1-hour national standard to the California standard the units can be converted to ppm. In this case, the national standard of 75 ppb is identical to 0.075 ppm.
12. The CARB has identified lead and vinyl chloride as 'toxic air contaminants' with no threshold level of exposure for adverse health effects determined. These actions allow for the implementation of control measures at levels below the ambient concentrations specified for these pollutants.
13. The national standard for lead was revised on October 15, 2008 to a rolling 3-month average. The 1978 lead standard (1.5 µg/m³ as a quarterly average) remains in effect until one year after an area is designated for the 2008 standard, except that in areas designated nonattainment for the 1978 standard, the 1978 standard remains in effect until implementation plans to attain or maintain the 2008 standard are approved.
14. In 1989, the CARB converted both the general statewide 10-mile visibility standard and the Lake Tahoe 30-mile visibility standard to instrumental equivalents, which are "extinction of 0.23 per kilometer" and "extinction of 0.07 per kilometer" for the statewide and Lake Tahoe Air Basin standards, respectively.

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Area Designations for the State Ambient Air Quality Standards

The following maps and tables show the area designations for each pollutant with a State standard set forth in the California Code of Regulations, title 17, section 60200. Each area is identified as attainment, nonattainment, nonattainment-transitional, or unclassified for each pollutant, as shown below:

Attainment	A
Nonattainment	N
Nonattainment-Transitional	NA-T
Unclassified	U

In general, CARB designates areas by air basin for pollutants with a regional impact and by county for pollutants with a more local impact. However, when there are areas within an air basin or county with distinctly different air quality deriving from sources and conditions not affecting the entire air basin or county, CARB may designate a smaller area. Generally, when boundaries of the designated area differ from the air basin or county boundaries, the description of the specific area is referenced at the bottom of the summary table.

FIGURE 1

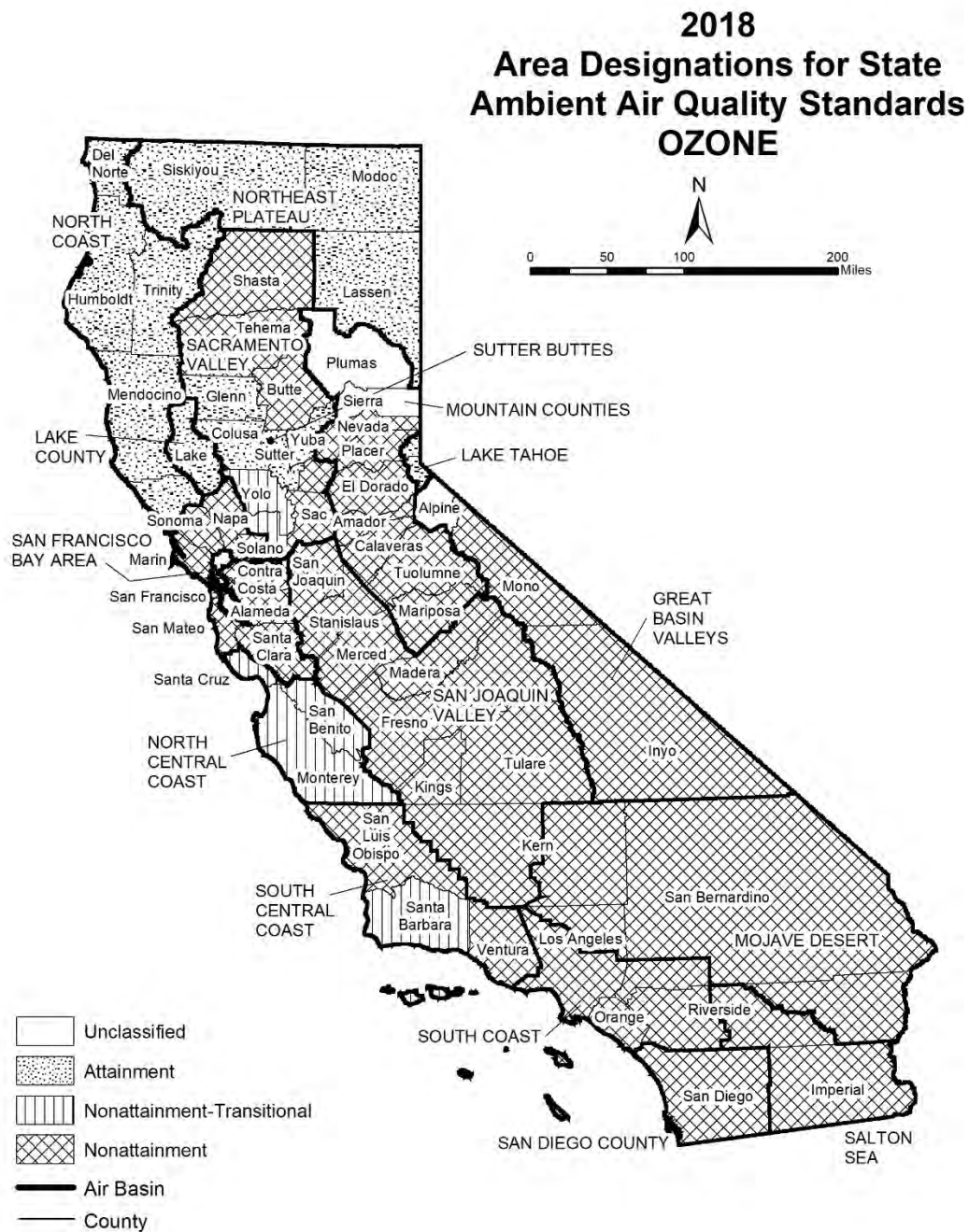


TABLE 1

**California Ambient Air Quality Standards
Area Designations for Ozone ⁽¹⁾**

	N	NA-T	U	A		N	NA-T	U	A
GREAT BASIN VALLEYS AIR BASIN					NORTHEAST PLATEAU AIR BASIN				X
Alpine County			X		SACRAMENTO VALLEY AIR BASIN				
Inyo County	X				Colusa and Glenn Counties				X
Mono County	X				Sutter/Yuba Counties				
LAKE COUNTY AIR BASIN				X	Sutter Buttes	X			
LAKE TAHOE AIR BASIN				X	Remainder of Sutter County				X
MOJAVE DESERT AIR BASIN	X				Yuba County				X
MOUNTAIN COUNTIES AIR BASIN					Yolo/Solano Counties		X		
Amador County	X				Remainder of Air Basin	X			
Calaveras County	X				SALTON SEA AIR BASIN	X			
El Dorado County (portion)	X				SAN DIEGO AIR BASIN	X			
Mariposa County	X				SAN FRANCISCO BAY AREA AIR BASIN	X			
Nevada County	X				SAN JOAQUIN VALLEY AIR BASIN	X			
Placer County (portion)	X				SOUTH CENTRAL COAST AIR BASIN				
Plumas County			X		San Luis Obispo County	X			
Sierra County			X		Santa Barbara County		X		
Tuolumne County	X				Ventura County	X			
NORTH CENTRAL COAST AIR BASIN		X			SOUTH COAST AIR BASIN	X			
NORTH COAST AIR BASIN				X					

(1) AB 3048 (Olberg) and AB 2525 (Miller) signed into law in 1996, made changes to Health and Safety Code, section 40925.5. One of the changes allows nonattainment districts to become nonattainment-transitional for ozone by operation of law.

FIGURE 2

**2018
Area Designations for State
Ambient Air Quality Standards
PM₁₀**



Source Date:
October 2018
Air Quality Planning and Science Division

TABLE 2

**California Ambient Air Quality Standards
Area Designation for Suspended Particulate Matter (PM10)**

	N	U	A		N	U	A
GREAT BASIN VALLEYS AIR BASIN	X			NORTH CENTRAL COAST AIR BASIN	X		
LAKE COUNTY AIR BASIN			X	NORTH COAST AIR BASIN			
LAKE TAHOE AIR BASIN	X			Del Norte, Sonoma (portion) and Trinity Counties			X
MOJAVE DESERT AIR BASIN	X			Remainder of Air Basin	X		
MOUNTAIN COUNTIES AIR BASIN				NORTHEAST PLATEAU AIR BASIN			
Amador County		X		Siskiyou County			X
Calaveras County	X			Remainder of Air Basin		X	
El Dorado County (portion)	X			SACRAMENTO VALLEY AIR BASIN			
Mariposa County				Shasta County			X
- Yosemite National Park	X			Remainder of Air Basin	X		
- Remainder of County		X		SALTON SEA AIR BASIN	X		
Nevada County	X			SAN DIEGO AIR BASIN	X		
Placer County (portion)	X			SAN FRANCISCO BAY AREA AIR BASIN	X		
Plumas County	X			SAN JOAQUIN VALLEY AIR BASIN	X		
Sierra County	X			SOUTH CENTRAL COAST AIR BASIN	X		
Tuolumne County		X		SOUTH COAST AIR BASIN	X		

FIGURE 3



TABLE 3

**California Ambient Air Quality Standards
Area Designations for Fine Particulate Matter (PM2.5)**

	N	U	A		N	U	A
GREAT BASIN VALLEYS AIR BASIN			X	SALTON SEA AIR BASIN			
LAKE COUNTY AIR BASIN			X	Imperial County			
LAKE TAHOE AIR BASIN			X	- City of Calexico (3)	X		
MOJAVE DESERT AIR BASIN				Remainder of Air Basin			X
San Bernardino County				SAN DIEGO AIR BASIN	X		
- County portion of federal Southeast Desert Modified AQMA for Ozone (1)			X	SAN FRANCISCO BAY AREA AIR BASIN	X		
				SAN JOAQUIN VALLEY AIR BASIN	X		
Remainder of Air Basin		X		SOUTH CENTRAL COAST AIR BASIN			
MOUNTAIN COUNTIES AIR BASIN				San Luis Obispo County			X
Plumas County				Santa Barbara County		X	
- Portola Valley (2)	X			Ventura County			X
Remainder of Air Basin		X		SOUTH COAST AIR BASIN	X		
NORTH CENTRAL COAST AIR BASIN			X				
NORTH COAST AIR BASIN			X				
NORTHEAST PLATEAU AIR BASIN			X				
SACRAMENTO VALLEY AIR BASIN							
Butte County	X						
Colusa County			X				
Glenn County			X				
Placer County (portion)			X				
Sacramento County			X				
Shasta County			X				
Sutter and Yuba Counties			X				
Remainder of Air Basin		X					

(1) California Code of Regulations, title 17, section 60200(b)

(2) California Code of Regulations, title 17, section 60200(c)

(3) California Code of Regulations, title 17, section 60200(a)

FIGURE 4

2018
Area Designations for State
Ambient Air Quality Standards
CARBON MONOXIDE



Source Date:
October 2018
Air Quality Planning and Science Division

TABLE 4

**California Ambient Air Quality Standards
Area Designation for Carbon Monoxide***

	N	NA-T	U	A		N	NA-T	U	A
GREAT BASIN VALLEYS AIR BASIN					SACRAMENTO VALLEY AIR BASIN				
Alpine County			X		Butte County				X
Inyo County				X	Colusa County			X	
Mono County				X	Glenn County			X	
LAKE COUNTY AIR BASIN				X	Placer County (portion)				X
LAKE TAHOE AIR BASIN				X	Sacramento County				X
MOJAVE DESERT AIR BASIN					Shasta County			X	
Kern County (portion)			X		Solano County (portion)				X
Los Angeles County (portion)				X	Sutter County				X
Riverside County (portion)			X		Tehama County			X	
San Bernardino County (portion)				X	Yolo County				X
MOUNTAIN COUNTIES AIR BASIN					Yuba County			X	
Amador County			X		SALTON SEA AIR BASIN				X
Calaveras County			X		SAN DIEGO AIR BASIN				X
El Dorado County (portion)			X		SAN FRANCISCO BAY AREA AIR BASIN				X
Mariposa County			X		SAN JOAQUIN VALLEY AIR BASIN				
Nevada County			X		Fresno County				X
Placer County (portion)			X		Kern County (portion)				X
Plumas County				X	Kings County			X	
Sierra County			X		Madera County			X	
Tuolumne County				X	Merced County			X	
NORTH CENTRAL COAST AIR BASIN					San Joaquin County				X
Monterey County				X	Stanislaus County				X
San Benito County			X		Tulare County				X
Santa Cruz County			X		SOUTH CENTRAL COAST AIR BASIN				X
NORTH COAST AIR BASIN					SOUTH COAST AIR BASIN				X
Del Norte County			X						
Humboldt County				X					
Mendocino County				X					
Sonoma County (portion)			X						
Trinity County			X						
NORTHEAST PLATEAU AIR BASIN			X						

* The area designated for carbon monoxide is a county or portion of a county

FIGURE 5

**2018
Area Designations for State
Ambient Air Quality Standards
NITROGEN DIOXIDE**



Source Date:
October 2018
Air Quality Planning and Science Division

TABLE 5

**California Ambient Air Quality Standards
Area Designation for Nitrogen Dioxide**

	N	U	A		N	U	A
GREAT BASIN VALLEYS AIR BASIN			X	SACRAMENTO VALLEY AIR BASIN			X
LAKE COUNTY AIR BASIN			X	SALTON SEA AIR BASIN			X
LAKE TAHOE AIR BASIN			X	SAN DIEGO AIR BASIN			X
MOJAVE DESERT AIR BASIN			X	SAN FRANCISCO BAY AREA AIR BASIN			X
MOUNTAIN COUNTIES AIR BASIN			X	SAN JOAQUIN VALLEY AIR BASIN			X
NORTH CENTRAL COAST AIR BASIN			X	SOUTH CENTRAL COAST AIR BASIN			X
NORTH COAST AIR BASIN			X	SOUTH COAST AIR BASIN			
NORTHEAST PLATEAU AIR BASIN			X	CA 60 Near-road Portion of San Bernardino, Riverside, and Los Angeles Counties	X		
				Remainder of Air Basin			X

FIGURE 6



TABLE 6**California Ambient Air Quality Standards
Area Designation for Sulfur Dioxide***

	N	U/A		N	U/A
GREAT BASIN VALLEYS AIR BASIN		X	SACRAMENTO VALLEY AIR BASIN		X
LAKE COUNTY AIR BASIN		X	SALTON SEA AIR BASIN		X
LAKE TAHOE AIR BASIN		X	SAN DIEGO AIR BASIN		X
MOJAVE DESERT AIR BASIN		X	SAN FRANCISCO BAY AREA AIR BASIN		X
MOUNTAIN COUNTIES AIR BASIN		X	SAN JOAQUIN VALLEY AIR BASIN		X
NORTH CENTRAL COAST AIR BASIN		X	SOUTH CENTRAL COAST AIR BASIN		X
NORTH COAST AIR BASIN		X	SOUTH COAST AIR BASIN		X
NORTHEAST PLATEAU AIR BASIN		X			

* The area designated for sulfur dioxide is a county or portion of a county

FIGURE 7

2018
Area Designations for State
Ambient Air Quality Standards
SULFATES



TABLE 7**California Ambient Air Quality Standards
Area Designation for Sulfates**

	N	U	A		N	U	A
GREAT BASIN VALLEYS AIR BASIN			X	SACRAMENTO VALLEY AIR BASIN			X
LAKE COUNTY AIR BASIN			X	SALTON SEA AIR BASIN			X
LAKE TAHOE AIR BASIN			X	SAN DIEGO AIR BASIN			X
MOJAVE DESERT AIR BASIN			X	SAN FRANCISCO BAY AREA AIR BASIN			X
MOUNTAIN COUNTIES AIR BASIN			X	SAN JOAQUIN VALLEY AIR BASIN			X
NORTH CENTRAL COAST AIR BASIN			X	SOUTH CENTRAL COAST AIR BASIN			X
NORTH COAST AIR BASIN			X	SOUTH COAST AIR BASIN			X
NORTHEAST PLATEAU AIR BASIN			X				

FIGURE 8

**2018
Area Designations for State
Ambient Air Quality Standards
LEAD**



Source Date:
October 2018
Air Quality Planning and Science Division

TABLE 8

**California Ambient Air Quality Standards
Area Designations for Lead (particulate)***

	N	U	A		N	U	A
GREAT BASIN VALLEYS AIR BASIN			X	SALTON SEA AIR BASIN			X
LAKE COUNTY AIR BASIN			X	SAN DIEGO AIR BASIN			X
LAKE TAHOE AIR BASIN			X	SAN FRANCISCO BAY AREA AIR BASIN			X
MOJAVE DESERT AIR BASIN			X	SAN JOAQUIN VALLEY AIR BASIN			X
MOUNTAIN COUNTIES AIR BASIN			X	SOUTH CENTRAL COAST AIR BASIN			X
NORTH CENTRAL COAST AIR BASIN			X	SOUTH COAST AIR BASIN			X
NORTH COAST AIR BASIN			X				
NORTHEAST PLATEAU AIR BASIN			X				
SACRAMENTO VALLEY AIR BASIN			X				

* The area designated for lead is a county or portion of a county. Since all areas in the State are in attainment for this standard, air basins are indicated here for simplicity.

FIGURE 9

2018
Area Designations for State
Ambient Air Quality Standards
HYDROGEN SULFIDE



Source Date:
 October 2018
 Air Quality Planning and Science Division

TABLE 9

**California Ambient Air Quality Standards
Area Designation for Hydrogen Sulfide***

	N	NA-T	U	A		N	NA-T	U	A
GREAT BASIN VALLEYS AIR BASIN					NORTH CENTRAL COAST AIR BASIN			X	
Alpine County			X		NORTH COAST AIR BASIN				
Inyo County				X	Del Norte County			X	
Mono County				X	Humboldt County				X
LAKE COUNTY AIR BASIN				X	Mendocino County			X	
LAKE TAHOE AIR BASIN			X		Sonoma County (portion)				
MOJAVE DESERT AIR BASIN					- Geyser Geothermal Area (2)				X
Kern County (portion)			X		- Remainder of County			X	
Los Angeles County (portion)			X		Trinity County			X	
Riverside County (portion)			X		NORTHEAST PLATEAU AIR BASIN			X	
San Bernardino County (portion)					SACRAMENTO VALLEY AIR BASIN			X	
- Searles Valley Planning Area (1)	X				SALTON SEA AIR BASIN			X	
- Remainder of County			X		SAN DIEGO AIR BASIN			X	
MOUNTAIN COUNTIES AIR BASIN					SAN FRANCISCO BAY AREA AIR BASIN			X	
Amador County					SAN JOAQUIN VALLEY AIR BASIN			X	
- City of Sutter Creek	X				SOUTH CENTRAL COAST AIR BASIN				
- Remainder of County			X		San Luis Obispo County				X
Calaveras County			X		Santa Barbara County				X
El Dorado County (portion)			X		Ventura County			X	
Mariposa County			X		SOUTH COAST AIR BASIN			X	
Nevada County			X						
Placer County (portion)			X						
Plumas County			X						
Sierra County			X						
Tuolumne County			X						

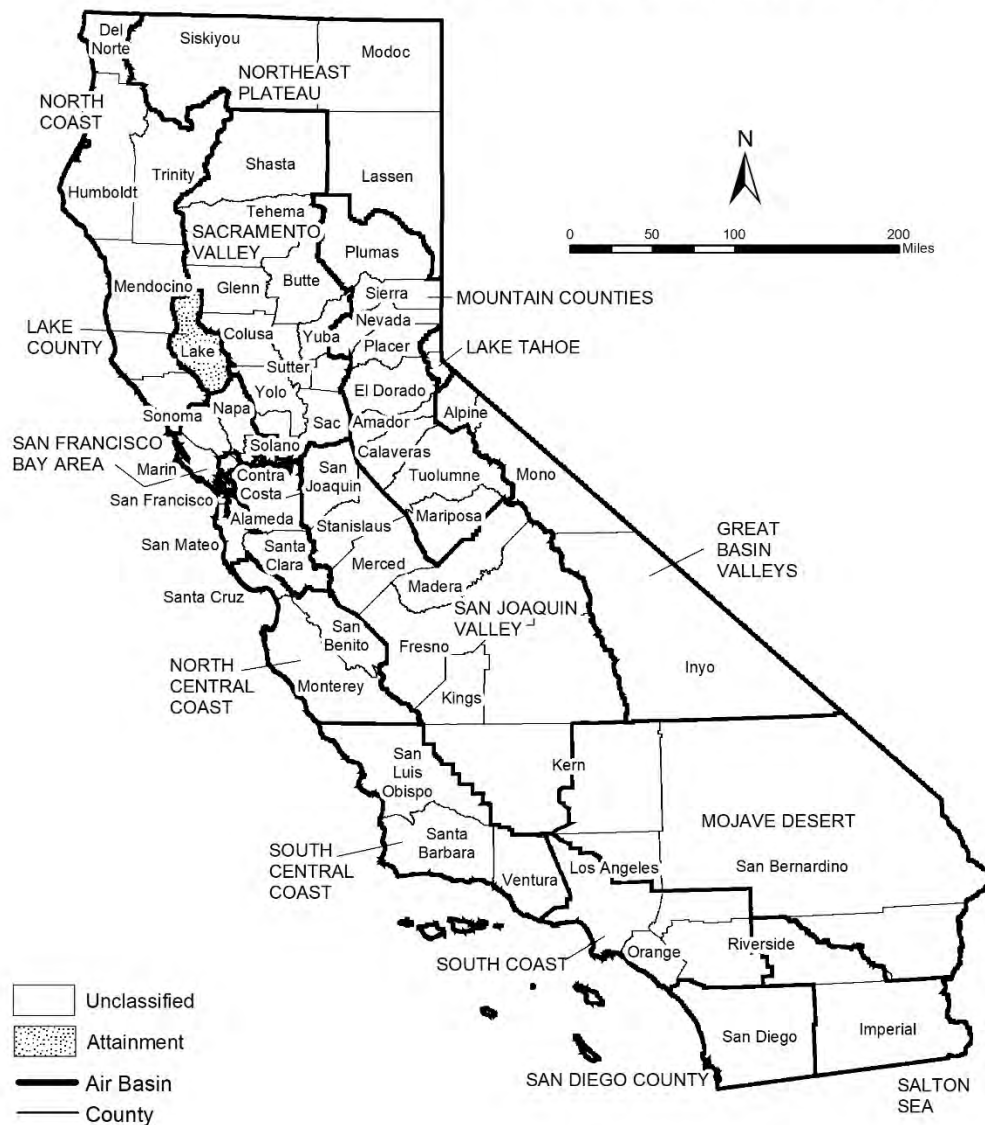
* The area designated for hydrogen sulfide is a county or portion of a county

(1) 52 Federal Register 29384 (August 7, 1987)

(2) California Code of Regulations, title 17, section 60200(d)

FIGURE 10

2018
Area Designations for State
Ambient Air Quality Standards
VISIBILITY REDUCING PARTICLES



Source Date:
 October 2018
 Air Quality Planning and Science Division

TABLE 10

**California Ambient Air Quality Standards
Area Designation for Visibility Reducing Particles**

	N	NA-T	U	A		N	NA-T	U	A
GREAT BASIN VALLEYS AIR BASIN			X		SACRAMENTO VALLEY AIR BASIN			X	
LAKE COUNTY AIR BASIN				X	SALTON SEA AIR BASIN			X	
LAKE TAHOE AIR BASIN			X		SAN DIEGO AIR BASIN			X	
MOJAVE DESERT AIR BASIN			X		SAN FRANCISCO BAY AREA AIR BASIN			X	
MOUNTAIN COUNTIES AIR BASIN			X		SAN JOAQUIN VALLEY AIR BASIN			X	
NORTH CENTRAL COAST AIR BASIN			X		SOUTH CENTRAL COAST AIR BASIN			X	
NORTH COAST AIR BASIN			X		SOUTH COAST AIR BASIN			X	
NORTHEAST PLATEAU AIR BASIN			X						

Area Designations for the National Ambient Air Quality Standards

The following maps and tables show the area designations for each pollutant with a national ambient air quality standard. Additional information about the federal area designations is available on the U.S. EPA website:

<https://www.epa.gov/green-book>

Over the last several years, U.S. EPA has been reviewing the levels of the various national standards. The agency has already promulgated new standard levels for some pollutants and is considering revising the levels for others. Information about the status of these reviews is available on the U.S. EPA website:

<https://www.epa.gov/criteria-air-pollutants>

Designation Categories

Suspended Particulate Matter (PM₁₀). The U.S. EPA uses three categories to designate areas with respect to PM₁₀:

- Attainment
- Nonattainment
- Unclassifiable

Ozone, Fine Suspended Particulate Matter (PM_{2.5}), Carbon Monoxide (CO), and Nitrogen Dioxide (NO₂). The U.S. EPA uses two categories to designate areas with respect to these standards:

- Nonattainment
- Unclassifiable/Attainment

The national 1-hour ozone standard was revoked effective June 15, 2005, and the area designations map reflects the 2015 national 8-hour ozone standard of 0.070 ppm. Original designations were finalized on August 3, 2018.

On December 14, 2012, the U.S. EPA established a new national annual primary PM_{2.5} standard of 12.0 µg/m³. New area designations reflecting this revised standard became final in December 2014. The current designation map reflects the most recently revised (2012) annual average standard of 12.0 µg/m³ as well as the 24-hour standard of 35 µg/m³, revised in 2006.

On January 22, 2010, the U.S. EPA established a new national 1-hour NO₂ standard of 100 parts per billion (ppb) and retained the annual average standard of 53 ppb. Designations for the primary NO₂ standard became effective on February 29, 2012. All areas of California meet this standard.

Sulfur Dioxide (SO₂). The U.S. EPA uses three categories to designate areas with respect to the 24-hour and annual average sulfur dioxide standards. These designation categories are:

- Nonattainment,
- Unclassifiable, and
- Attainment/Unclassifiable.

On June 2, 2010, the U.S. EPA established a new primary 1-hour SO₂ standard of 75 parts per billion (ppb). At the same time, U.S. EPA revoked the 24-hour and annual

average standards. Area designations for the 1-hour SO₂ standard were finalized on December 21, 2017 and are reflected in the area designations map.

Lead (particulate). The U.S. EPA promulgated a new rolling 3-month average lead standard in October 2008 of 0.15 µg/m³. Designations were made for this standard in November 2010.

Designation Areas

From time to time, the boundaries of the California air basins have been changed to facilitate the planning process. CARB generally initiates these changes, and they are not always reflected in the U.S. EPA's area designations. For purposes of consistency, the maps in this attachment reflect area designation boundaries and nomenclature as promulgated by the U.S. EPA. In some cases, these may not be the same as those adopted by CARB. For example, the national area designations reflect the former Southeast Desert Air Basin. In accordance with Health and Safety Code section 39606.1, CARB redefined this area in 1996 to be the Mojave Desert Air Basin and Salton Sea Air Basin. The definitions and boundaries for all areas designated for the national standards can be found in Title 40, Code of Federal Regulations (CFR), Chapter I, Subchapter C, Part 81.305. They are available on the web at:

https://ecfr.io/Title-40/se40.20.81_1305

FIGURE 11



TABLE 11

**National Ambient Air Quality Standards
Area Designations for 8-Hour Ozone***

	N	U/A		N	U/A
GREAT BASIN VALLEYS AIR BASIN		X	SACRAMENTO VALLEY AIR BASIN (cont.)		
LAKE COUNTY AIR BASIN		X	Yolo County (2)	X	
LAKE TAHOE AIR BASIN		X	Yuba County		X
MOUNTAIN COUNTIES AIR BASIN			SAN DIEGO COUNTY	X	
Amador County	X		SAN FRANCISCO BAY AREA AIR BASIN	X	
Calaveras County	X		SAN JOAQUIN VALLEY AIR BASIN	X	
El Dorado County (portion) (2)	X		SOUTH CENTRAL COAST AIR BASIN (1)		
Mariposa County	X		San Luis Obispo County		
Nevada County			- Eastern San Luis Obispo County	X	
- Western Nevada County	X		- Remainder of County		X
- Remainder of County		X	Santa Barbara County		X
Placer County (portion) (2)	X		Ventura County		
Plumas County		X	- Area excluding Anacapa and San Nicolas Islands	X	
Sierra County		X	- Channel Islands (1)		X
Tuolumne County	X		SOUTH COAST AIR BASIN (1)	X	
NORTH CENTRAL COAST AIR BASIN		X	SOUTHEAST DESERT AIR BASIN		
NORTH COAST AIR BASIN		X	Kern County (portion)	X	
NORTHEAST PLATEAU AIR BASIN		X	- Indian Wells Valley		X
SACRAMENTO VALLEY AIR BASIN			Imperial County	X	
Butte County	X		Los Angeles County (portion)	X	
Colusa County		X	Riverside County (portion)		
Glenn County		X	- Coachella Valley	X	
Sacramento Metro Area (2)	X		- Non-AQMA portion		X
Shasta County		X	San Bernardino County		
Sutter County			- Western portion (AQMA)	X	
- Sutter Buttes	X		- Eastern portion (non-AQMA)		X
- Southern portion of Sutter County (2)	X				
- Remainder of Sutter County		X			
Tehama County					
- Tuscan Buttes	X				
- Remainder of Tehama County		X			

* Definitions and references for all areas can be found in 40 CFR, Chapter I, Part 81.305.

NOTE: This map and table reflect the 2015 8-hour ozone standard of 0.070 ppm.

(1) South Central Coast Air Basin Channel Islands:

Santa Barbara County includes Santa Cruz, San Miguel, Santa Rosa, and Santa Barbara Islands.

Ventura County includes Anacapa and San Nicolas Islands.

South Coast Air Basin:

Los Angeles County includes San Clemente and Santa Catalina Islands.

(2) For this purpose, the Sacramento Metro Area comprises all of Sacramento and Yolo Counties, the Sacramento Valley Air Basin portion of Solano County, the southern portion of Sutter County, and the Sacramento Valley and Mountain Counties Air Basins portions of Placer and El Dorado counties.

FIGURE 12

Area Designations for National Ambient Air Quality Standards PM₁₀

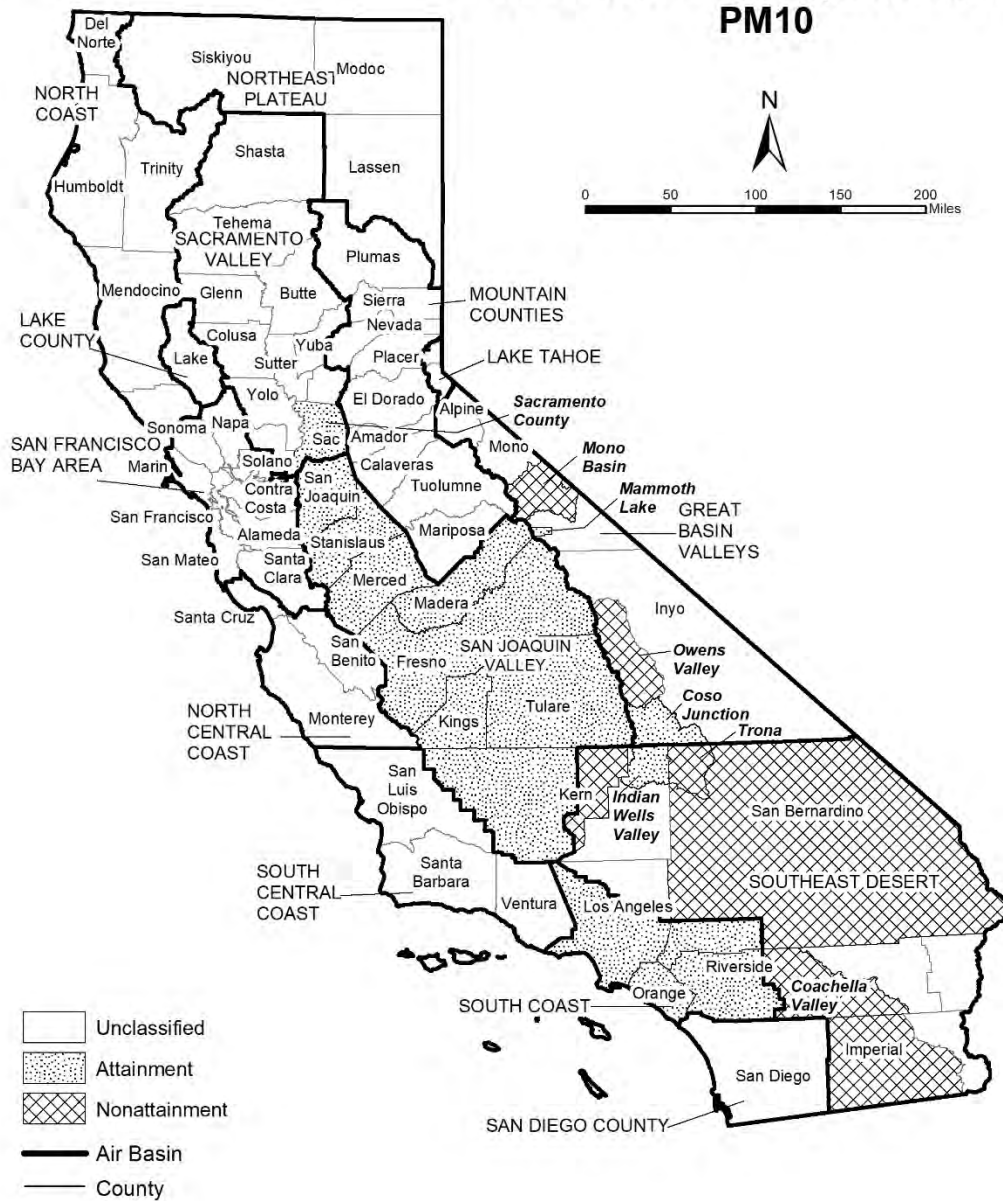


TABLE 12

**National Ambient Air Quality Standards
Area Designations for Suspended Particulate Matter (PM10)***

	N	U	A		N	U	A
GREAT BASIN VALLEYS AIR BASIN				SAN DIEGO COUNTY		X	
Alpine County		X		SAN FRANCISCO BAY AREA AIR BASIN		X	
Inyo County				SAN JOAQUIN VALLEY AIR BASIN			X
- Owens Valley Planning Area	X			SOUTH CENTRAL COAST AIR BASIN		X	
- Coso Junction			X	SOUTH COAST AIR BASIN			X
- Remainder of County		X		SOUTHEAST DESERT AIR BASIN			
Mono County				Eastern Kern County			
- Mammoth Lake Planning Area			X	- Indian Wells Valley			X
- Mono Lake Basin	X			- Portion within San Joaquin Valley Planning Area	X		
- Remainder of County		X		- Remainder of County		X	
LAKE COUNTY AIR BASIN		X		Imperial County			
LAKE TAHOE AIR BASIN		X		- Imperial Valley Planning Area	X		
MOUNTAIN COUNTIES AIR BASIN				- Remainder of County		X	
Placer County (portion) (2)		X		Los Angeles County (portion)		X	
Remainder of Air Basin		X		Riverside County (portion)			
NORTH CENTRAL COAST AIR BASIN		X		- Coachella Valley (3)	X		
NORTH COAST AIR BASIN		X		- Non-AQMA portion		X	
NORTHEAST PLATEAU AIR BASIN		X		San Bernardino County			
SACRAMENTO VALLEY AIR BASIN				- Trona	X		
Butte County		X		- Remainder of County	X		
Colusa County		X					
Glenn County		X					
Placer County (portion) (2)		X					
Sacramento County (1)			X				
Shasta County		X					
Solano County (portion)		X					
Sutter County		X					
Tehama County		X					
Yolo County		X					
Yuba County		X					

* Definitions and references for all areas can be found in 40 CFR, Chapter I, Part 81.305.

(1) Air quality in Sacramento County meets the national PM10 standards. The request for redesignation to attainment was approved by U.S. EPA in September 2013.

(2) U.S. EPA designation puts the Sacramento Valley Air Basin portion of Placer County in the Mountain Counties Air Basin.

(3) Air quality in Coachella Valley meets the national PM10 standards. A request for redesignation to attainment has been submitted to U.S. EPA.

FIGURE 13

Area Designations for National Ambient Air Quality Standards PM2.5



Source Date:
October 2018
Air Quality Planning and Science Division

TABLE 13

**National Ambient Air Quality Standards
Area Designations for Fine Particulate Matter (PM2.5)***

	N	U/A		N	U/A
GREAT BASIN VALLEYS AIR BASIN		X	SAN DIEGO COUNTY		X
LAKE COUNTY AIR BASIN		X	SAN FRANCISCO BAY AREA AIR BASIN (2)	X	
LAKE TAHOE AIR BASIN		X	SAN JOAQUIN VALLEY AIR BASIN	X	
MOUNTAIN COUNTIES AIR BASIN			SOUTH CENTRAL COAST AIR BASIN		X
Plumas County			SOUTH COAST AIR BASIN (3)	X	
- Portola Valley Portion of Plumas	X		SOUTHEAST DESERT AIR BASIN		
- Remainder of Plumas County		X	Imperial County (portion) (4)	X	
Remainder of Air Basin		X	Remainder of Air Basin		X
NORTH CENTRAL COAST AIR BASIN		X			
NORTH COAST AIR BASIN		X			
NORTHEAST PLATEAU AIR BASIN		X			
SACRAMENTO VALLEY AIR BASIN					
Sacramento Metro Area (1)	X				
Sutter County		X			
Yuba County (portion)		X			
Remainder of Air Basin		X			

* Definitions and references for all areas can be found in 40 CFR, Chapter I, Part 81.305. This map reflects the 2006 24-hour PM2.5 standard as well as the 1997 and 2012 PM2.5 annual standards.

(1) For this purpose, Sacramento Metro Area comprises all of Sacramento and portions of El Dorado, Placer, Solano, and Yolo Counties. Air quality in this area meets the national PM2.5 standards. A Determination of Attainment for the 2006 24-hour PM2.5 standard was made by U.S. EPA in June 2017.

(2) Air quality in this area meets the national PM2.5 standards. A Determination of Attainment for the 2006 24-hour PM2.5 standard was made by U.S. EPA in June 2017.

(3) Those lands of the Santa Rosa Band of Cahulla Mission Indians in Riverside County are designated Unclassifiable/Attainment.

(4) That portion of Imperial County encompassing the urban and surrounding areas of Brawley, Calexico, El Centro, Heber, Holtville, Imperial, Seeley, and Westmorland. Air quality in this area meets the national PM2.5 standards. A Determination of Attainment for the 2006 24-hour PM2.5 standard was made by U.S. EPA in June 2017.

Area Designations for National Ambient Air Quality Standards CARBON MONOXIDE

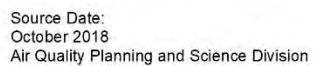


TABLE 14**National Ambient Air Quality Standards
Area Designations for Carbon Monoxide***

	N	U/A		N	U/A
GREAT BASIN VALLEYS AIR BASIN		X	SACRAMENTO VALLEY AIR BASIN		X
LAKE COUNTY AIR BASIN		X	SAN DIEGO COUNTY		X
LAKE TAHOE AIR BASIN		X	SAN FRANCISCO BAY AREA AIR BASIN		X
MOUNTAIN COUNTIES AIR BASIN		X	SAN JOAQUIN VALLEY AIR BASIN		X
NORTH CENTRAL COAST AIR BASIN		X	SOUTH CENTRAL COAST AIR BASIN		X
NORTH COAST AIR BASIN		X	SOUTH COAST AIR BASIN		X
NORTHEAST PLATEAU AIR BASIN		X	SOUTHEAST DESERT AIR BASIN		X

* Definitions and references for all areas can be found in 40 CFR, Chapter I, Part 81.305.

FIGURE 15



TABLE 15**National Ambient Air Quality Standards
Area Designations for Nitrogen Dioxide***

	N	U/A		N	U/A
GREAT BASIN VALLEYS AIR BASIN		X	SACRAMENTO VALLEY AIR BASIN		X
LAKE COUNTY AIR BASIN		X	SAN DIEGO COUNTY		X
LAKE TAHOE AIR BASIN		X	SAN FRANCISCO BAY AREA AIR BASIN		X
MOUNTAIN COUNTIES AIR BASIN		X	SAN JOAQUIN VALLEY AIR BASIN		X
NORTH CENTRAL COAST AIR BASIN		X	SOUTH CENTRAL COAST AIR BASIN		X
NORTH COAST AIR BASIN		X	SOUTH COAST AIR BASIN		X
NORTHEAST PLATEAU AIR BASIN		X	SOUTHEAST DESERT AIR BASIN		X

* Definitions and references for all areas can be found in 40 CFR, Chapter I, Part 81.305.

FIGURE 16



Source Date:
October 2018
Air Quality Planning and Science Division

TABLE 16

**National Ambient Air Quality Standards
Area Designations for Sulfur Dioxide***

	N	U/A		N	U/A
GREAT BASIN VALLEYS AIR BASIN		X	SOUTH CENTRAL COAST AIR BASIN		
LAKE COUNTY AIR BASIN		X	San Luis Obispo County		X
LAKE TAHOE AIR BASIN		X	Santa Barbara County		X
MOUNTAIN COUNTIES AIR BASIN		X	Ventura County		X
NORTH CENTRAL COAST AIR BASIN		X	Channel Islands (1)		X
NORTH COAST AIR BASIN		X	SOUTH COAST AIR BASIN		X
NORTHEAST PLATEAU AIR BASIN		X	SOUTHEAST DESERT AIR BASIN		
SACRAMENTO VALLEY AIR BASIN		X	Imperial County		X
SAN DIEGO COUNTY		X	Remainder of Air Basin		X
SAN FRANCISCO BAY AREA AIR BASIN		X			
SAN JOAQUIN VALLEY AIR BASIN					
Fresno County		X			
Kern County (portion)		X			
Kings County		X			
Madera County		X			
Merced County		X			
San Joaquin County		X			
Stanislaus County		X			
Tulare County		X			

* Definitions and references for all areas can be found in 40 CFR, Chapter I, Part 81.305.

NOTE: This map and table reflect the 2010 1-hour SO₂ standard of 75 ppb.

(1) South Central Coast Air Basin Channel Islands:

Santa Barbara County includes Santa Cruz, San Miguel, Santa Rosa, and Santa Barbara Islands.

Ventura County includes Anacapa and San Nicolas Islands.

Note that the San Clemente and Santa Catalina Islands are considered part of Los Angeles County, and therefore, are included as part of the South Coast Air Basin.

FIGURE 17

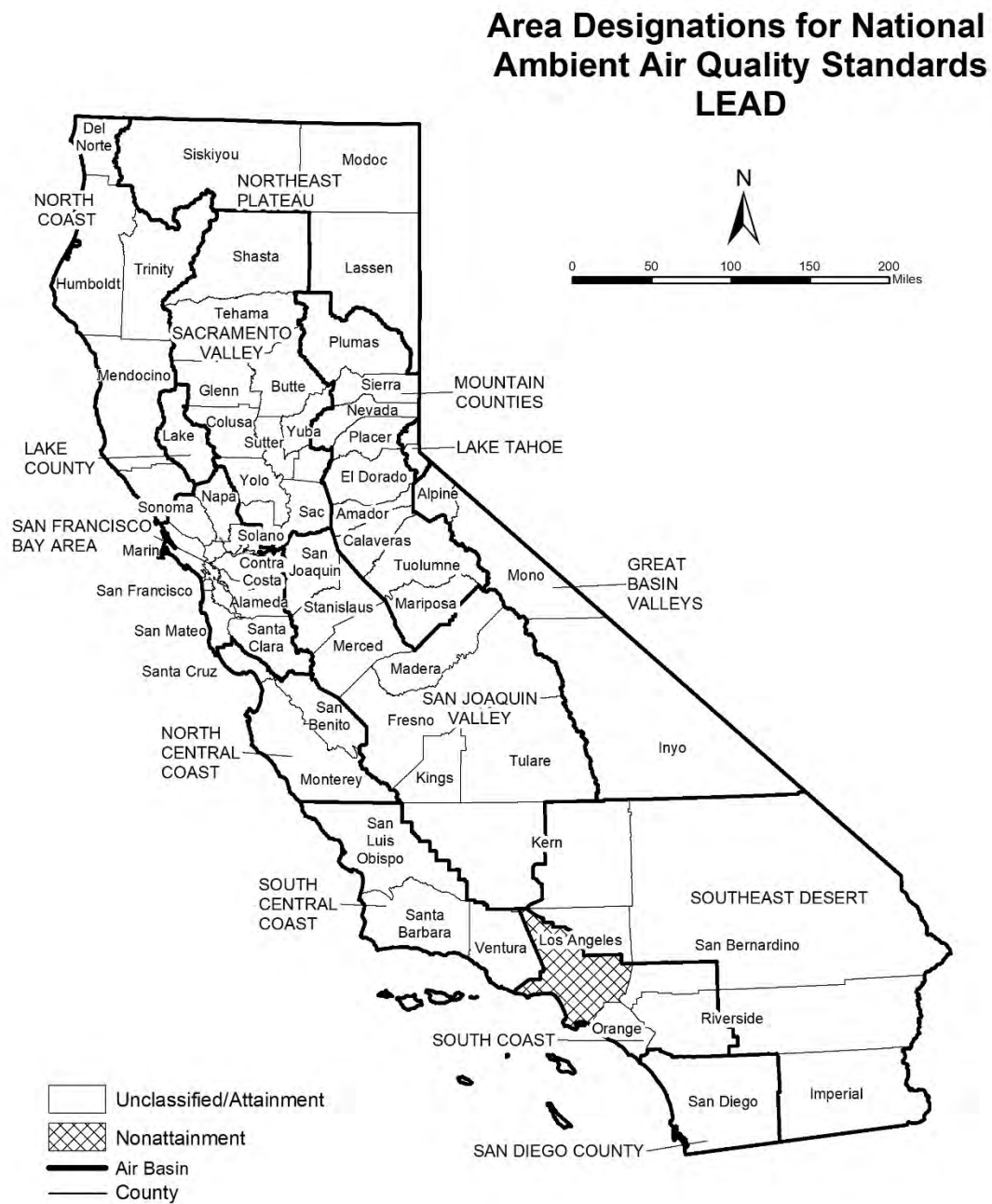


TABLE 17

**National Ambient Air Quality Standards
Area Designations for Lead (particulate)**

	N	U/A		N	U/A
GREAT BASIN VALLEYS AIR BASIN		X	SAN DIEGO COUNTY		X
LAKE COUNTY AIR BASIN		X	SAN FRANCISCO BAY AREA AIR BASIN		X
LAKE TAHOE AIR BASIN		X	SAN JOAQUIN VALLEY AIR BASIN		X
MOUNTAIN COUNTIES AIR BASIN		X	SOUTH CENTRAL COAST AIR BASIN		X
NORTH CENTRAL COAST AIR BASIN		X	SOUTH COAST AIR BASIN		
NORTH COAST AIR BASIN		X	Los Angeles County (portion) (1)	X	
NORTHEAST PLATEAU AIR BASIN		X	Remainder of Air Basin		X
SACRAMENTO VALLEY AIR BASIN		X	SOUTHEAST DESERT AIR BASIN		X

(1) Portion of County in Air Basin, not including Channel Islands

APPENDIX 3.1:

CALEEMOD PROJECT CONSTRUCTION EMISSIONS MODEL OUTPUTS

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San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Summer

San Francisco Avenue (Construction - Unmitigated)**Los Angeles-South Coast County, Summer****1.0 Project Characteristics****1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	61.80	1000sqft	1.42	61,798.00	0
Other Asphalt Surfaces	51.84	1000sqft	1.19	51,840.00	0
Parking Lot	376.00	Space	1.46	150,400.00	0
City Park	0.81	Acre	0.81	35,283.60	0
Unrefrigerated Warehouse-No Rail	61.80	1000sqft	1.42	61,797.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9			Operational Year	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	564.66	CH4 Intensity (lb/MW hr)	0.023	N2O Intensity (lb/MW hr)	0.005

1.3 User Entered Comments & Non-Default Data

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Summer

Project Characteristics - Intensity factors adjusted to reflect the RPS for the 2022 Opening Year

Land Use - Total Project area is approximately 6.3 acres

Construction Phase - Construction anticipated to be completed in 2022

Off-road Equipment - Hours are based on an 8-hour workday

Off-road Equipment - Crawler Tractors used in lieu of Tractors/Loaders/Backhoes

Off-road Equipment -

Off-road Equipment - Crawler Tractors used in lieu of Tractors/Loaders/Backhoes

Off-road Equipment -

Off-road Equipment - Crawler Tractors used in lieu of Tractors/Loaders/Backhoes

Trips and VMT - Vendor Trips adjusted based on CalEEMod defaults for Building Construction and number of days for Demolition, Site Preparation, Grading, and Building Construction

Demolition -

Grading - This analysis conservatively assumes that up to 5 acres will be disturbed per day

Architectural Coating - Rule 1113

Vehicle Trips - Construction run only

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Energy Use - Construction run only

Water And Wastewater - Construction run only

Solid Waste - Construction run only

Construction Off-road Equipment Mitigation - Rule 403

Fleet Mix -

Area Coating -

Consumer Products - Construction only

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Summer

tblAreaCoating	ReapplicationRatePercent	10	0
tblConstructionPhase	NumDays	20.00	40.00
tblConsumerProducts	ROG_EF	1.98E-05	1E-13
tblConsumerProducts	ROG_EF_Degreaser	3.542E-07	1E-12
tblConsumerProducts	ROG_EF_PesticidesFertilizers	5.152E-08	1E-13
tblEnergyUse	LightingElect	3.10	0.00
tblEnergyUse	LightingElect	0.35	0.00
tblEnergyUse	LightingElect	1.91	0.00
tblEnergyUse	NT24E	5.75	0.00
tblEnergyUse	NT24E	1.34	0.00
tblEnergyUse	NT24NG	4.45	0.00
tblEnergyUse	NT24NG	0.03	0.00
tblEnergyUse	T24E	2.25	0.00
tblEnergyUse	T24E	0.65	0.00
tblEnergyUse	T24NG	13.65	0.00
tblEnergyUse	T24NG	0.84	0.00
tblGrading	AcresOfGrading	40.00	100.00
tblGrading	AcresOfGrading	20.00	50.00
tblGrading	MaterialImported	0.00	1,077.00
tblLandUse	LotAcreage	3.38	1.46
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.023

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Summer

tblProjectCharacteristics	CO2IntensityFactor	702.44	564.66
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.005
tblSolidWaste	SolidWasteGenerationRate	0.07	0.00
tblSolidWaste	SolidWasteGenerationRate	76.63	0.00
tblSolidWaste	SolidWasteGenerationRate	58.09	0.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	5.00
tblTripsAndVMT	VendorTripNumber	59.00	48.00
tblVehicleEF	HHD	0.62	0.03
tblVehicleEF	HHD	0.09	0.08
tblVehicleEF	HHD	0.08	1.0000e-006
tblVehicleEF	HHD	2.47	6.23
tblVehicleEF	HHD	1.15	0.58
tblVehicleEF	HHD	3.30	9.5390e-003
tblVehicleEF	HHD	4,690.45	1,172.50
tblVehicleEF	HHD	1,639.83	1,482.70
tblVehicleEF	HHD	10.54	0.09
tblVehicleEF	HHD	20.39	6.32
tblVehicleEF	HHD	3.81	3.60
tblVehicleEF	HHD	19.54	2.06
tblVehicleEF	HHD	0.01	3.9370e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	8.7000e-005	2.0000e-006
tblVehicleEF	HHD	0.01	3.7670e-003

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Summer

tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8380e-003	8.8970e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	8.0000e-005	1.0000e-006
tblVehicleEF	HHD	1.0500e-004	7.0000e-006
tblVehicleEF	HHD	4.6110e-003	2.7700e-004
tblVehicleEF	HHD	0.62	0.45
tblVehicleEF	HHD	7.9000e-005	5.0000e-006
tblVehicleEF	HHD	0.15	0.08
tblVehicleEF	HHD	3.9500e-004	1.5080e-003
tblVehicleEF	HHD	0.08	3.0000e-006
tblVehicleEF	HHD	0.04	0.01
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.6000e-004	1.0000e-006
tblVehicleEF	HHD	1.0500e-004	7.0000e-006
tblVehicleEF	HHD	4.6110e-003	2.7700e-004
tblVehicleEF	HHD	0.72	0.52
tblVehicleEF	HHD	7.9000e-005	5.0000e-006
tblVehicleEF	HHD	0.25	0.17
tblVehicleEF	HHD	3.9500e-004	1.5080e-003
tblVehicleEF	HHD	0.09	3.0000e-006
tblVehicleEF	HHD	0.58	0.03
tblVehicleEF	HHD	0.10	0.08
tblVehicleEF	HHD	0.07	1.0000e-006
tblVehicleEF	HHD	1.80	6.09
tblVehicleEF	HHD	1.16	0.59
tblVehicleEF	HHD	3.13	9.0610e-003

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Summer

tblVehicleEF	HHD	4,968.94	1,168.97
tblVehicleEF	HHD	1,639.83	1,482.70
tblVehicleEF	HHD	10.54	0.09
tblVehicleEF	HHD	21.04	6.13
tblVehicleEF	HHD	3.60	3.41
tblVehicleEF	HHD	19.53	2.06
tblVehicleEF	HHD	0.01	3.4420e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	8.7000e-005	2.0000e-006
tblVehicleEF	HHD	0.01	3.2930e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8380e-003	8.8970e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	8.0000e-005	1.0000e-006
tblVehicleEF	HHD	1.6000e-004	1.1000e-005
tblVehicleEF	HHD	4.7280e-003	2.8200e-004
tblVehicleEF	HHD	0.58	0.47
tblVehicleEF	HHD	1.1400e-004	8.0000e-006
tblVehicleEF	HHD	0.15	0.08
tblVehicleEF	HHD	3.8400e-004	1.4870e-003
tblVehicleEF	HHD	0.08	3.0000e-006
tblVehicleEF	HHD	0.05	0.01
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.5700e-004	1.0000e-006
tblVehicleEF	HHD	1.6000e-004	1.1000e-005

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Summer

tblVehicleEF	HHD	4.7280e-003	2.8200e-004
tblVehicleEF	HHD	0.68	0.55
tblVehicleEF	HHD	1.1400e-004	8.0000e-006
tblVehicleEF	HHD	0.25	0.17
tblVehicleEF	HHD	3.8400e-004	1.4870e-003
tblVehicleEF	HHD	0.08	3.0000e-006
tblVehicleEF	HHD	0.67	0.02
tblVehicleEF	HHD	0.09	3.6360e-003
tblVehicleEF	HHD	0.08	1.0000e-006
tblVehicleEF	HHD	3.41	6.32
tblVehicleEF	HHD	1.15	0.38
tblVehicleEF	HHD	3.33	9.6340e-003
tblVehicleEF	HHD	4,305.87	1,158.96
tblVehicleEF	HHD	1,639.83	1,430.09
tblVehicleEF	HHD	10.54	0.09
tblVehicleEF	HHD	19.48	6.47
tblVehicleEF	HHD	3.75	3.49
tblVehicleEF	HHD	19.55	2.06
tblVehicleEF	HHD	0.02	4.3710e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	8.7000e-005	2.0000e-006
tblVehicleEF	HHD	0.02	4.1820e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8380e-003	8.7580e-003
tblVehicleEF	HHD	0.01	0.03

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Summer

tblVehicleEF	HHD	8.0000e-005	1.0000e-006
tblVehicleEF	HHD	1.0300e-004	8.0000e-006
tblVehicleEF	HHD	4.9260e-003	3.1500e-004
tblVehicleEF	HHD	0.66	0.42
tblVehicleEF	HHD	7.7000e-005	5.0000e-006
tblVehicleEF	HHD	0.15	0.08
tblVehicleEF	HHD	4.2900e-004	1.6010e-003
tblVehicleEF	HHD	0.08	3.0000e-006
tblVehicleEF	HHD	0.04	0.01
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.6000e-004	1.0000e-006
tblVehicleEF	HHD	1.0300e-004	8.0000e-006
tblVehicleEF	HHD	4.9260e-003	3.1500e-004
tblVehicleEF	HHD	0.78	0.48
tblVehicleEF	HHD	7.7000e-005	5.0000e-006
tblVehicleEF	HHD	0.25	0.09
tblVehicleEF	HHD	4.2900e-004	1.6010e-003
tblVehicleEF	HHD	0.09	3.0000e-006
tblVehicleEF	LDA	5.3420e-003	3.0240e-003
tblVehicleEF	LDA	5.4040e-003	0.05
tblVehicleEF	LDA	0.66	0.72
tblVehicleEF	LDA	1.15	2.10
tblVehicleEF	LDA	274.33	272.47
tblVehicleEF	LDA	57.08	53.62
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.07	0.18
tblVehicleEF	LDA	2.1700e-003	1.8010e-003

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Summer

tblVehicleEF	LDA	2.2660e-003	1.8420e-003
tblVehicleEF	LDA	2.0000e-003	1.6590e-003
tblVehicleEF	LDA	2.0830e-003	1.6940e-003
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.21
tblVehicleEF	LDA	0.07	0.22
tblVehicleEF	LDA	2.7480e-003	2.6780e-003
tblVehicleEF	LDA	5.9000e-004	5.2700e-004
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.21
tblVehicleEF	LDA	0.08	0.25
tblVehicleEF	LDA	5.6740e-003	3.2280e-003
tblVehicleEF	LDA	4.8010e-003	0.04
tblVehicleEF	LDA	0.72	0.79
tblVehicleEF	LDA	0.98	1.79
tblVehicleEF	LDA	287.10	284.40
tblVehicleEF	LDA	57.08	53.05
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.06	0.17
tblVehicleEF	LDA	2.1700e-003	1.8010e-003
tblVehicleEF	LDA	2.2660e-003	1.8420e-003

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Summer

tblVehicleEF	LDA	2.0000e-003	1.6590e-003
tblVehicleEF	LDA	2.0830e-003	1.6940e-003
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.11	0.10
tblVehicleEF	LDA	0.05	0.07
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.20
tblVehicleEF	LDA	0.06	0.20
tblVehicleEF	LDA	2.8760e-003	2.7950e-003
tblVehicleEF	LDA	5.8700e-004	5.2200e-004
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.11	0.10
tblVehicleEF	LDA	0.05	0.07
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.20
tblVehicleEF	LDA	0.07	0.22
tblVehicleEF	LDA	5.2330e-003	2.9600e-003
tblVehicleEF	LDA	5.5300e-003	0.05
tblVehicleEF	LDA	0.63	0.69
tblVehicleEF	LDA	1.19	2.17
tblVehicleEF	LDA	269.66	268.07
tblVehicleEF	LDA	57.08	53.75
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.07	0.19
tblVehicleEF	LDA	2.1700e-003	1.8010e-003
tblVehicleEF	LDA	2.2660e-003	1.8420e-003
tblVehicleEF	LDA	2.0000e-003	1.6590e-003

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Summer

tblVehicleEF	LDA	2.0830e-003	1.6940e-003
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.05	0.24
tblVehicleEF	LDA	0.07	0.23
tblVehicleEF	LDA	2.7010e-003	2.6350e-003
tblVehicleEF	LDA	5.9100e-004	5.2800e-004
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.05	0.24
tblVehicleEF	LDA	0.08	0.25
tblVehicleEF	LDT1	0.02	7.7270e-003
tblVehicleEF	LDT1	0.01	0.07
tblVehicleEF	LDT1	1.68	1.45
tblVehicleEF	LDT1	2.78	2.27
tblVehicleEF	LDT1	341.15	320.55
tblVehicleEF	LDT1	69.44	63.67
tblVehicleEF	LDT1	0.16	0.12
tblVehicleEF	LDT1	0.16	0.26
tblVehicleEF	LDT1	3.5390e-003	2.7170e-003
tblVehicleEF	LDT1	3.4320e-003	2.6310e-003
tblVehicleEF	LDT1	3.2590e-003	2.5000e-003
tblVehicleEF	LDT1	3.1560e-003	2.4190e-003

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Summer

tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	0.26	0.20
tblVehicleEF	LDT1	0.11	0.11
tblVehicleEF	LDT1	0.04	0.03
tblVehicleEF	LDT1	0.17	0.69
tblVehicleEF	LDT1	0.19	0.35
tblVehicleEF	LDT1	3.4330e-003	3.1520e-003
tblVehicleEF	LDT1	7.4300e-004	6.2600e-004
tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	0.26	0.20
tblVehicleEF	LDT1	0.11	0.11
tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.17	0.69
tblVehicleEF	LDT1	0.21	0.39
tblVehicleEF	LDT1	0.02	8.1770e-003
tblVehicleEF	LDT1	0.01	0.06
tblVehicleEF	LDT1	1.82	1.58
tblVehicleEF	LDT1	2.36	1.93
tblVehicleEF	LDT1	356.02	332.71
tblVehicleEF	LDT1	69.44	63.00
tblVehicleEF	LDT1	0.14	0.10
tblVehicleEF	LDT1	0.15	0.24
tblVehicleEF	LDT1	3.5390e-003	2.7170e-003
tblVehicleEF	LDT1	3.4320e-003	2.6310e-003
tblVehicleEF	LDT1	3.2590e-003	2.5000e-003
tblVehicleEF	LDT1	3.1560e-003	2.4190e-003
tblVehicleEF	LDT1	0.20	0.20

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Summer

tblVehicleEF	LDT1	0.28	0.21
tblVehicleEF	LDT1	0.15	0.15
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.16	0.64
tblVehicleEF	LDT1	0.17	0.31
tblVehicleEF	LDT1	3.5840e-003	3.2710e-003
tblVehicleEF	LDT1	7.3600e-004	6.1900e-004
tblVehicleEF	LDT1	0.20	0.20
tblVehicleEF	LDT1	0.28	0.21
tblVehicleEF	LDT1	0.15	0.15
tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.16	0.64
tblVehicleEF	LDT1	0.18	0.34
tblVehicleEF	LDT1	0.02	7.5820e-003
tblVehicleEF	LDT1	0.01	0.07
tblVehicleEF	LDT1	1.63	1.41
tblVehicleEF	LDT1	2.87	2.35
tblVehicleEF	LDT1	335.69	316.06
tblVehicleEF	LDT1	69.44	63.82
tblVehicleEF	LDT1	0.15	0.12
tblVehicleEF	LDT1	0.16	0.26
tblVehicleEF	LDT1	3.5390e-003	2.7170e-003
tblVehicleEF	LDT1	3.4320e-003	2.6310e-003
tblVehicleEF	LDT1	3.2590e-003	2.5000e-003
tblVehicleEF	LDT1	3.1560e-003	2.4190e-003
tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	0.30	0.22

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Summer

tblVehicleEF	LDT1	0.10	0.10
tblVehicleEF	LDT1	0.04	0.03
tblVehicleEF	LDT1	0.20	0.82
tblVehicleEF	LDT1	0.20	0.36
tblVehicleEF	LDT1	3.3780e-003	3.1070e-003
tblVehicleEF	LDT1	7.4500e-004	6.2800e-004
tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	0.30	0.22
tblVehicleEF	LDT1	0.10	0.10
tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.20	0.82
tblVehicleEF	LDT1	0.21	0.40
tblVehicleEF	LDT2	7.2180e-003	4.9730e-003
tblVehicleEF	LDT2	6.3970e-003	0.07
tblVehicleEF	LDT2	0.84	1.02
tblVehicleEF	LDT2	1.35	2.65
tblVehicleEF	LDT2	381.91	343.42
tblVehicleEF	LDT2	78.07	68.73
tblVehicleEF	LDT2	0.08	0.09
tblVehicleEF	LDT2	0.11	0.28
tblVehicleEF	LDT2	2.1510e-003	1.9110e-003
tblVehicleEF	LDT2	2.3580e-003	1.8910e-003
tblVehicleEF	LDT2	1.9790e-003	1.7590e-003
tblVehicleEF	LDT2	2.1690e-003	1.7390e-003
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.10	0.12
tblVehicleEF	LDT2	0.05	0.07

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Summer

tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.41
tblVehicleEF	LDT2	0.09	0.31
tblVehicleEF	LDT2	3.8260e-003	3.3760e-003
tblVehicleEF	LDT2	8.0300e-004	6.7600e-004
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.10	0.12
tblVehicleEF	LDT2	0.05	0.07
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.06	0.41
tblVehicleEF	LDT2	0.09	0.34
tblVehicleEF	LDT2	7.6530e-003	5.2910e-003
tblVehicleEF	LDT2	5.6920e-003	0.06
tblVehicleEF	LDT2	0.92	1.12
tblVehicleEF	LDT2	1.15	2.26
tblVehicleEF	LDT2	399.04	355.31
tblVehicleEF	LDT2	78.07	67.99
tblVehicleEF	LDT2	0.07	0.08
tblVehicleEF	LDT2	0.10	0.26
tblVehicleEF	LDT2	2.1510e-003	1.9110e-003
tblVehicleEF	LDT2	2.3580e-003	1.8910e-003
tblVehicleEF	LDT2	1.9790e-003	1.7590e-003
tblVehicleEF	LDT2	2.1690e-003	1.7390e-003
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.10	0.13
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.02	0.02

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Summer

tblVehicleEF	LDT2	0.06	0.38
tblVehicleEF	LDT2	0.08	0.28
tblVehicleEF	LDT2	3.9980e-003	3.4930e-003
tblVehicleEF	LDT2	8.0000e-004	6.6800e-004
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.10	0.13
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.06	0.38
tblVehicleEF	LDT2	0.08	0.31
tblVehicleEF	LDT2	7.0750e-003	4.8730e-003
tblVehicleEF	LDT2	6.5470e-003	0.07
tblVehicleEF	LDT2	0.81	0.99
tblVehicleEF	LDT2	1.39	2.74
tblVehicleEF	LDT2	375.62	339.02
tblVehicleEF	LDT2	78.07	68.90
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.11	0.28
tblVehicleEF	LDT2	2.1510e-003	1.9110e-003
tblVehicleEF	LDT2	2.3580e-003	1.8910e-003
tblVehicleEF	LDT2	1.9790e-003	1.7590e-003
tblVehicleEF	LDT2	2.1690e-003	1.7390e-003
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.11	0.13
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.48

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Summer

tblVehicleEF	LDT2	0.09	0.32
tblVehicleEF	LDT2	3.7630e-003	3.3320e-003
tblVehicleEF	LDT2	8.0400e-004	6.7700e-004
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.11	0.13
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.07	0.48
tblVehicleEF	LDT2	0.10	0.35
tblVehicleEF	LHD1	5.5970e-003	5.6110e-003
tblVehicleEF	LHD1	0.01	5.6770e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.19
tblVehicleEF	LHD1	0.84	0.65
tblVehicleEF	LHD1	2.79	1.14
tblVehicleEF	LHD1	8.92	8.88
tblVehicleEF	LHD1	603.81	667.04
tblVehicleEF	LHD1	33.34	12.48
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.95	0.63
tblVehicleEF	LHD1	1.01	0.34
tblVehicleEF	LHD1	8.2600e-004	7.5000e-004
tblVehicleEF	LHD1	0.01	9.6680e-003
tblVehicleEF	LHD1	9.1270e-003	6.2840e-003
tblVehicleEF	LHD1	1.0140e-003	2.8500e-004
tblVehicleEF	LHD1	7.9000e-004	7.1700e-004
tblVehicleEF	LHD1	2.5160e-003	2.4170e-003

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Summer

tblVehicleEF	LHD1	8.7050e-003	5.9830e-003
tblVehicleEF	LHD1	9.3300e-004	2.6200e-004
tblVehicleEF	LHD1	3.1460e-003	2.5540e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.9140e-003	1.5610e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.31	0.55
tblVehicleEF	LHD1	0.27	0.08
tblVehicleEF	LHD1	9.0000e-005	8.6000e-005
tblVehicleEF	LHD1	5.9300e-003	6.5150e-003
tblVehicleEF	LHD1	3.8500e-004	1.2400e-004
tblVehicleEF	LHD1	3.1460e-003	2.5540e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.9140e-003	1.5610e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.31	0.55
tblVehicleEF	LHD1	0.29	0.09
tblVehicleEF	LHD1	5.5970e-003	5.6230e-003
tblVehicleEF	LHD1	0.01	5.7930e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.19
tblVehicleEF	LHD1	0.85	0.66
tblVehicleEF	LHD1	2.66	1.09
tblVehicleEF	LHD1	8.92	8.88
tblVehicleEF	LHD1	603.81	667.06

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Summer

tblVehicleEF	LHD1	33.34	12.39
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.89	0.59
tblVehicleEF	LHD1	0.96	0.32
tblVehicleEF	LHD1	8.2600e-004	7.5000e-004
tblVehicleEF	LHD1	0.01	9.6680e-003
tblVehicleEF	LHD1	9.1270e-003	6.2840e-003
tblVehicleEF	LHD1	1.0140e-003	2.8500e-004
tblVehicleEF	LHD1	7.9000e-004	7.1700e-004
tblVehicleEF	LHD1	2.5160e-003	2.4170e-003
tblVehicleEF	LHD1	8.7050e-003	5.9830e-003
tblVehicleEF	LHD1	9.3300e-004	2.6200e-004
tblVehicleEF	LHD1	4.7100e-003	3.7600e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.6900e-003	2.1600e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.30	0.53
tblVehicleEF	LHD1	0.26	0.08
tblVehicleEF	LHD1	9.0000e-005	8.6000e-005
tblVehicleEF	LHD1	5.9310e-003	6.5150e-003
tblVehicleEF	LHD1	3.8300e-004	1.2300e-004
tblVehicleEF	LHD1	4.7100e-003	3.7600e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	2.6900e-003	2.1600e-003
tblVehicleEF	LHD1	0.08	0.06

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Summer

tblVehicleEF	LHD1	0.30	0.53
tblVehicleEF	LHD1	0.28	0.08
tblVehicleEF	LHD1	5.5970e-003	5.6090e-003
tblVehicleEF	LHD1	0.01	5.6460e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.19
tblVehicleEF	LHD1	0.83	0.64
tblVehicleEF	LHD1	2.81	1.15
tblVehicleEF	LHD1	8.92	8.88
tblVehicleEF	LHD1	603.81	667.03
tblVehicleEF	LHD1	33.34	12.50
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.94	0.62
tblVehicleEF	LHD1	1.01	0.34
tblVehicleEF	LHD1	8.2600e-004	7.5000e-004
tblVehicleEF	LHD1	0.01	9.6680e-003
tblVehicleEF	LHD1	9.1270e-003	6.2840e-003
tblVehicleEF	LHD1	1.0140e-003	2.8500e-004
tblVehicleEF	LHD1	7.9000e-004	7.1700e-004
tblVehicleEF	LHD1	2.5160e-003	2.4170e-003
tblVehicleEF	LHD1	8.7050e-003	5.9830e-003
tblVehicleEF	LHD1	9.3300e-004	2.6200e-004
tblVehicleEF	LHD1	3.3080e-003	2.6900e-003
tblVehicleEF	LHD1	0.12	0.09
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.8850e-003	1.5400e-003
tblVehicleEF	LHD1	0.06	0.05

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Summer

tblVehicleEF	LHD1	0.33	0.60
tblVehicleEF	LHD1	0.27	0.08
tblVehicleEF	LHD1	9.0000e-005	8.6000e-005
tblVehicleEF	LHD1	5.9300e-003	6.5150e-003
tblVehicleEF	LHD1	3.8600e-004	1.2400e-004
tblVehicleEF	LHD1	3.3080e-003	2.6900e-003
tblVehicleEF	LHD1	0.12	0.09
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.8850e-003	1.5400e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.33	0.60
tblVehicleEF	LHD1	0.29	0.09
tblVehicleEF	LHD2	4.0020e-003	3.9440e-003
tblVehicleEF	LHD2	4.2980e-003	3.9460e-003
tblVehicleEF	LHD2	8.5190e-003	0.01
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.34	0.44
tblVehicleEF	LHD2	1.37	0.77
tblVehicleEF	LHD2	13.57	13.40
tblVehicleEF	LHD2	617.83	668.37
tblVehicleEF	LHD2	27.88	9.65
tblVehicleEF	LHD2	0.09	0.08
tblVehicleEF	LHD2	0.65	0.81
tblVehicleEF	LHD2	0.55	0.23
tblVehicleEF	LHD2	1.1620e-003	1.2440e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8510e-003	9.8680e-003

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Summer

tblVehicleEF	LHD2	4.6900e-004	1.6300e-004
tblVehicleEF	LHD2	1.1110e-003	1.1900e-003
tblVehicleEF	LHD2	2.6540e-003	2.6300e-003
tblVehicleEF	LHD2	8.4540e-003	9.4240e-003
tblVehicleEF	LHD2	4.3100e-004	1.5000e-004
tblVehicleEF	LHD2	1.1380e-003	1.5770e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.4500e-004	9.7800e-004
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.08	0.35
tblVehicleEF	LHD2	0.11	0.06
tblVehicleEF	LHD2	1.3300e-004	1.2900e-004
tblVehicleEF	LHD2	6.0210e-003	6.4710e-003
tblVehicleEF	LHD2	3.0400e-004	9.5000e-005
tblVehicleEF	LHD2	1.1380e-003	1.5770e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.4500e-004	9.7800e-004
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.08	0.35
tblVehicleEF	LHD2	0.13	0.06
tblVehicleEF	LHD2	4.0020e-003	3.9530e-003
tblVehicleEF	LHD2	4.3570e-003	3.9910e-003
tblVehicleEF	LHD2	8.2260e-003	0.01
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.35	0.44

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Summer

tblVehicleEF	LHD2	1.31	0.74
tblVehicleEF	LHD2	13.57	13.40
tblVehicleEF	LHD2	617.83	668.38
tblVehicleEF	LHD2	27.88	9.59
tblVehicleEF	LHD2	0.09	0.08
tblVehicleEF	LHD2	0.61	0.76
tblVehicleEF	LHD2	0.53	0.22
tblVehicleEF	LHD2	1.1620e-003	1.2440e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8510e-003	9.8680e-003
tblVehicleEF	LHD2	4.6900e-004	1.6300e-004
tblVehicleEF	LHD2	1.1110e-003	1.1900e-003
tblVehicleEF	LHD2	2.6540e-003	2.6300e-003
tblVehicleEF	LHD2	8.4540e-003	9.4240e-003
tblVehicleEF	LHD2	4.3100e-004	1.5000e-004
tblVehicleEF	LHD2	1.6960e-003	2.3210e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.0400e-003	1.3550e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.08	0.34
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	1.3300e-004	1.2900e-004
tblVehicleEF	LHD2	6.0210e-003	6.4710e-003
tblVehicleEF	LHD2	3.0300e-004	9.5000e-005
tblVehicleEF	LHD2	1.6960e-003	2.3210e-003
tblVehicleEF	LHD2	0.04	0.06

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Summer

tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.0400e-003	1.3550e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.08	0.34
tblVehicleEF	LHD2	0.12	0.06
tblVehicleEF	LHD2	4.0020e-003	3.9420e-003
tblVehicleEF	LHD2	4.2820e-003	3.9330e-003
tblVehicleEF	LHD2	8.5780e-003	0.01
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.34	0.43
tblVehicleEF	LHD2	1.38	0.78
tblVehicleEF	LHD2	13.57	13.40
tblVehicleEF	LHD2	617.83	668.37
tblVehicleEF	LHD2	27.88	9.66
tblVehicleEF	LHD2	0.09	0.08
tblVehicleEF	LHD2	0.64	0.80
tblVehicleEF	LHD2	0.56	0.24
tblVehicleEF	LHD2	1.1620e-003	1.2440e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8510e-003	9.8680e-003
tblVehicleEF	LHD2	4.6900e-004	1.6300e-004
tblVehicleEF	LHD2	1.1110e-003	1.1900e-003
tblVehicleEF	LHD2	2.6540e-003	2.6300e-003
tblVehicleEF	LHD2	8.4540e-003	9.4240e-003
tblVehicleEF	LHD2	4.3100e-004	1.5000e-004
tblVehicleEF	LHD2	1.1610e-003	1.6340e-003
tblVehicleEF	LHD2	0.04	0.06

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Summer

tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.2300e-004	9.5000e-004
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.09	0.39
tblVehicleEF	LHD2	0.12	0.06
tblVehicleEF	LHD2	1.3300e-004	1.2900e-004
tblVehicleEF	LHD2	6.0210e-003	6.4710e-003
tblVehicleEF	LHD2	3.0400e-004	9.6000e-005
tblVehicleEF	LHD2	1.1610e-003	1.6340e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.2300e-004	9.5000e-004
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.09	0.39
tblVehicleEF	LHD2	0.13	0.06
tblVehicleEF	MCY	0.54	0.38
tblVehicleEF	MCY	0.15	0.23
tblVehicleEF	MCY	18.94	19.11
tblVehicleEF	MCY	9.66	8.52
tblVehicleEF	MCY	188.92	223.68
tblVehicleEF	MCY	44.52	59.56
tblVehicleEF	MCY	1.13	1.13
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	2.4360e-003	2.4430e-003
tblVehicleEF	MCY	3.8630e-003	3.2940e-003
tblVehicleEF	MCY	2.2770e-003	2.2830e-003
tblVehicleEF	MCY	3.6360e-003	3.1000e-003

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Summer

tblVehicleEF	MCY	1.06	1.08
tblVehicleEF	MCY	0.63	0.65
tblVehicleEF	MCY	0.65	0.66
tblVehicleEF	MCY	2.60	2.61
tblVehicleEF	MCY	0.60	1.98
tblVehicleEF	MCY	2.05	1.81
tblVehicleEF	MCY	2.2780e-003	2.2130e-003
tblVehicleEF	MCY	6.6300e-004	5.8900e-004
tblVehicleEF	MCY	1.06	1.08
tblVehicleEF	MCY	0.63	0.65
tblVehicleEF	MCY	0.65	0.66
tblVehicleEF	MCY	3.23	3.25
tblVehicleEF	MCY	0.60	1.98
tblVehicleEF	MCY	2.23	1.97
tblVehicleEF	MCY	0.53	0.37
tblVehicleEF	MCY	0.13	0.21
tblVehicleEF	MCY	18.24	18.37
tblVehicleEF	MCY	8.82	7.76
tblVehicleEF	MCY	188.92	222.28
tblVehicleEF	MCY	44.52	57.67
tblVehicleEF	MCY	0.99	0.99
tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	2.4360e-003	2.4430e-003
tblVehicleEF	MCY	3.8630e-003	3.2940e-003
tblVehicleEF	MCY	2.2770e-003	2.2830e-003
tblVehicleEF	MCY	3.6360e-003	3.1000e-003
tblVehicleEF	MCY	1.73	1.72

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Summer

tblVehicleEF	MCY	0.70	0.71
tblVehicleEF	MCY	1.07	1.07
tblVehicleEF	MCY	2.54	2.55
tblVehicleEF	MCY	0.56	1.86
tblVehicleEF	MCY	1.83	1.61
tblVehicleEF	MCY	2.2650e-003	2.2000e-003
tblVehicleEF	MCY	6.4300e-004	5.7100e-004
tblVehicleEF	MCY	1.73	1.72
tblVehicleEF	MCY	0.70	0.71
tblVehicleEF	MCY	1.07	1.07
tblVehicleEF	MCY	3.16	3.17
tblVehicleEF	MCY	0.56	1.86
tblVehicleEF	MCY	1.99	1.75
tblVehicleEF	MCY	0.54	0.38
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	19.04	19.25
tblVehicleEF	MCY	9.80	8.66
tblVehicleEF	MCY	188.92	223.96
tblVehicleEF	MCY	44.52	59.94
tblVehicleEF	MCY	1.11	1.11
tblVehicleEF	MCY	0.31	0.27
tblVehicleEF	MCY	2.4360e-003	2.4430e-003
tblVehicleEF	MCY	3.8630e-003	3.2940e-003
tblVehicleEF	MCY	2.2770e-003	2.2830e-003
tblVehicleEF	MCY	3.6360e-003	3.1000e-003
tblVehicleEF	MCY	1.16	1.18
tblVehicleEF	MCY	0.82	0.84

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Summer

tblVehicleEF	MCY	0.62	0.64
tblVehicleEF	MCY	2.61	2.63
tblVehicleEF	MCY	0.69	2.28
tblVehicleEF	MCY	2.09	1.86
tblVehicleEF	MCY	2.2800e-003	2.2160e-003
tblVehicleEF	MCY	6.6700e-004	5.9300e-004
tblVehicleEF	MCY	1.16	1.18
tblVehicleEF	MCY	0.82	0.84
tblVehicleEF	MCY	0.62	0.64
tblVehicleEF	MCY	3.25	3.26
tblVehicleEF	MCY	0.69	2.28
tblVehicleEF	MCY	2.28	2.02
tblVehicleEF	MDV	0.01	6.5350e-003
tblVehicleEF	MDV	0.01	0.08
tblVehicleEF	MDV	1.33	1.22
tblVehicleEF	MDV	2.48	3.10
tblVehicleEF	MDV	512.22	421.49
tblVehicleEF	MDV	103.14	83.59
tblVehicleEF	MDV	0.15	0.11
tblVehicleEF	MDV	0.22	0.34
tblVehicleEF	MDV	2.3560e-003	2.0880e-003
tblVehicleEF	MDV	2.5140e-003	2.0610e-003
tblVehicleEF	MDV	2.1720e-003	1.9250e-003
tblVehicleEF	MDV	2.3120e-003	1.8950e-003
tblVehicleEF	MDV	0.07	0.08
tblVehicleEF	MDV	0.15	0.14
tblVehicleEF	MDV	0.07	0.09

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Summer

tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.09	0.43
tblVehicleEF	MDV	0.19	0.40
tblVehicleEF	MDV	5.1310e-003	4.1410e-003
tblVehicleEF	MDV	1.0750e-003	8.2200e-004
tblVehicleEF	MDV	0.07	0.08
tblVehicleEF	MDV	0.15	0.14
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.09	0.43
tblVehicleEF	MDV	0.21	0.44
tblVehicleEF	MDV	0.01	6.9310e-003
tblVehicleEF	MDV	0.01	0.07
tblVehicleEF	MDV	1.45	1.32
tblVehicleEF	MDV	2.12	2.63
tblVehicleEF	MDV	534.67	433.96
tblVehicleEF	MDV	103.14	82.70
tblVehicleEF	MDV	0.13	0.10
tblVehicleEF	MDV	0.20	0.32
tblVehicleEF	MDV	2.3560e-003	2.0880e-003
tblVehicleEF	MDV	2.5140e-003	2.0610e-003
tblVehicleEF	MDV	2.1720e-003	1.9250e-003
tblVehicleEF	MDV	2.3120e-003	1.8950e-003
tblVehicleEF	MDV	0.10	0.13
tblVehicleEF	MDV	0.16	0.14
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.04	0.03

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Summer

tblVehicleEF	MDV	0.08	0.40
tblVehicleEF	MDV	0.17	0.36
tblVehicleEF	MDV	5.3570e-003	4.2630e-003
tblVehicleEF	MDV	1.0680e-003	8.1300e-004
tblVehicleEF	MDV	0.10	0.13
tblVehicleEF	MDV	0.16	0.15
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.08	0.40
tblVehicleEF	MDV	0.18	0.39
tblVehicleEF	MDV	0.01	6.4070e-003
tblVehicleEF	MDV	0.01	0.08
tblVehicleEF	MDV	1.29	1.18
tblVehicleEF	MDV	2.56	3.21
tblVehicleEF	MDV	503.99	416.89
tblVehicleEF	MDV	103.14	83.79
tblVehicleEF	MDV	0.14	0.11
tblVehicleEF	MDV	0.22	0.35
tblVehicleEF	MDV	2.3560e-003	2.0880e-003
tblVehicleEF	MDV	2.5140e-003	2.0610e-003
tblVehicleEF	MDV	2.1720e-003	1.9250e-003
tblVehicleEF	MDV	2.3120e-003	1.8950e-003
tblVehicleEF	MDV	0.06	0.08
tblVehicleEF	MDV	0.16	0.15
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.10	0.50

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Summer

tblVehicleEF	MDV	0.19	0.41
tblVehicleEF	MDV	5.0480e-003	4.0950e-003
tblVehicleEF	MDV	1.0760e-003	8.2400e-004
tblVehicleEF	MDV	0.06	0.08
tblVehicleEF	MDV	0.16	0.15
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.10	0.50
tblVehicleEF	MDV	0.21	0.45
tblVehicleEF	MH	0.03	3.1210e-003
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	2.24	0.27
tblVehicleEF	MH	5.78	0.00
tblVehicleEF	MH	1,130.03	965.33
tblVehicleEF	MH	60.43	0.00
tblVehicleEF	MH	1.08	3.43
tblVehicleEF	MH	0.80	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.02	0.07
tblVehicleEF	MH	1.1280e-003	0.00
tblVehicleEF	MH	3.2020e-003	4.0000e-003
tblVehicleEF	MH	0.02	0.07
tblVehicleEF	MH	1.0370e-003	0.00
tblVehicleEF	MH	0.95	0.00
tblVehicleEF	MH	0.07	0.00
tblVehicleEF	MH	0.41	0.00
tblVehicleEF	MH	0.09	0.07

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Summer

tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.33	0.00
tblVehicleEF	MH	0.01	9.1260e-003
tblVehicleEF	MH	7.0500e-004	0.00
tblVehicleEF	MH	0.95	0.00
tblVehicleEF	MH	0.07	0.00
tblVehicleEF	MH	0.41	0.00
tblVehicleEF	MH	0.12	0.08
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.36	0.00
tblVehicleEF	MH	0.03	3.1210e-003
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	2.30	0.27
tblVehicleEF	MH	5.44	0.00
tblVehicleEF	MH	1,130.03	965.33
tblVehicleEF	MH	60.43	0.00
tblVehicleEF	MH	0.99	3.24
tblVehicleEF	MH	0.76	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.02	0.07
tblVehicleEF	MH	1.1280e-003	0.00
tblVehicleEF	MH	3.2020e-003	4.0000e-003
tblVehicleEF	MH	0.02	0.07
tblVehicleEF	MH	1.0370e-003	0.00
tblVehicleEF	MH	1.41	0.00
tblVehicleEF	MH	0.07	0.00
tblVehicleEF	MH	0.58	0.00

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Summer

tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.31	0.00
tblVehicleEF	MH	0.01	9.1260e-003
tblVehicleEF	MH	6.9900e-004	0.00
tblVehicleEF	MH	1.41	0.00
tblVehicleEF	MH	0.07	0.00
tblVehicleEF	MH	0.58	0.00
tblVehicleEF	MH	0.12	0.08
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.34	0.00
tblVehicleEF	MH	0.03	3.1210e-003
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	2.22	0.27
tblVehicleEF	MH	5.83	0.00
tblVehicleEF	MH	1,130.03	965.33
tblVehicleEF	MH	60.43	0.00
tblVehicleEF	MH	1.06	3.37
tblVehicleEF	MH	0.80	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.02	0.07
tblVehicleEF	MH	1.1280e-003	0.00
tblVehicleEF	MH	3.2020e-003	4.0000e-003
tblVehicleEF	MH	0.02	0.07
tblVehicleEF	MH	1.0370e-003	0.00
tblVehicleEF	MH	1.08	0.00
tblVehicleEF	MH	0.08	0.00

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Summer

tblVehicleEF	MH	0.42	0.00
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.33	0.00
tblVehicleEF	MH	0.01	9.1260e-003
tblVehicleEF	MH	7.0600e-004	0.00
tblVehicleEF	MH	1.08	0.00
tblVehicleEF	MH	0.08	0.00
tblVehicleEF	MH	0.42	0.00
tblVehicleEF	MH	0.12	0.08
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.36	0.00
tblVehicleEF	MHD	0.02	4.4240e-003
tblVehicleEF	MHD	4.8560e-003	4.6020e-003
tblVehicleEF	MHD	0.05	0.01
tblVehicleEF	MHD	0.37	0.39
tblVehicleEF	MHD	0.37	0.47
tblVehicleEF	MHD	6.14	1.44
tblVehicleEF	MHD	132.92	67.32
tblVehicleEF	MHD	1,150.98	1,070.87
tblVehicleEF	MHD	63.58	12.17
tblVehicleEF	MHD	0.49	0.47
tblVehicleEF	MHD	1.14	1.63
tblVehicleEF	MHD	9.96	1.29
tblVehicleEF	MHD	2.4800e-004	1.0730e-003
tblVehicleEF	MHD	5.1090e-003	0.03
tblVehicleEF	MHD	8.4300e-004	1.3800e-004

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Summer

tblVehicleEF	MHD	2.3800e-004	1.0270e-003
tblVehicleEF	MHD	4.8830e-003	0.03
tblVehicleEF	MHD	7.7600e-004	1.2700e-004
tblVehicleEF	MHD	1.1350e-003	6.6800e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	7.4200e-004	4.3000e-004
tblVehicleEF	MHD	0.05	0.06
tblVehicleEF	MHD	0.02	0.14
tblVehicleEF	MHD	0.37	0.07
tblVehicleEF	MHD	1.2810e-003	6.4000e-004
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.4300e-004	1.2000e-004
tblVehicleEF	MHD	1.1350e-003	6.6800e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	7.4200e-004	4.3000e-004
tblVehicleEF	MHD	0.05	0.07
tblVehicleEF	MHD	0.02	0.14
tblVehicleEF	MHD	0.41	0.07
tblVehicleEF	MHD	0.02	4.1930e-003
tblVehicleEF	MHD	4.9280e-003	4.6540e-003
tblVehicleEF	MHD	0.05	0.01
tblVehicleEF	MHD	0.27	0.32
tblVehicleEF	MHD	0.38	0.48
tblVehicleEF	MHD	5.83	1.36
tblVehicleEF	MHD	140.78	68.14

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Summer

tblVehicleEF	MHD	1,150.98	1,070.88
tblVehicleEF	MHD	63.58	12.05
tblVehicleEF	MHD	0.51	0.48
tblVehicleEF	MHD	1.08	1.54
tblVehicleEF	MHD	9.92	1.28
tblVehicleEF	MHD	2.0900e-004	9.0700e-004
tblVehicleEF	MHD	5.1090e-003	0.03
tblVehicleEF	MHD	8.4300e-004	1.3800e-004
tblVehicleEF	MHD	2.0000e-004	8.6800e-004
tblVehicleEF	MHD	4.8830e-003	0.03
tblVehicleEF	MHD	7.7600e-004	1.2700e-004
tblVehicleEF	MHD	1.7000e-003	9.9300e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	1.0480e-003	6.0400e-004
tblVehicleEF	MHD	0.05	0.06
tblVehicleEF	MHD	0.02	0.14
tblVehicleEF	MHD	0.36	0.06
tblVehicleEF	MHD	1.3550e-003	6.4800e-004
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.3800e-004	1.1900e-004
tblVehicleEF	MHD	1.7000e-003	9.9300e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	1.0480e-003	6.0400e-004
tblVehicleEF	MHD	0.06	0.07
tblVehicleEF	MHD	0.02	0.14

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Summer

tblVehicleEF	MHD	0.39	0.07
tblVehicleEF	MHD	0.02	4.7550e-003
tblVehicleEF	MHD	4.8360e-003	4.5850e-003
tblVehicleEF	MHD	0.05	0.01
tblVehicleEF	MHD	0.52	0.49
tblVehicleEF	MHD	0.37	0.47
tblVehicleEF	MHD	6.20	1.45
tblVehicleEF	MHD	122.05	66.18
tblVehicleEF	MHD	1,150.98	1,070.87
tblVehicleEF	MHD	63.58	12.19
tblVehicleEF	MHD	0.47	0.47
tblVehicleEF	MHD	1.12	1.60
tblVehicleEF	MHD	9.97	1.29
tblVehicleEF	MHD	3.0200e-004	1.3020e-003
tblVehicleEF	MHD	5.1090e-003	0.03
tblVehicleEF	MHD	8.4300e-004	1.3800e-004
tblVehicleEF	MHD	2.8900e-004	1.2460e-003
tblVehicleEF	MHD	4.8830e-003	0.03
tblVehicleEF	MHD	7.7600e-004	1.2700e-004
tblVehicleEF	MHD	1.1690e-003	6.9100e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	7.2400e-004	4.2100e-004
tblVehicleEF	MHD	0.05	0.06
tblVehicleEF	MHD	0.02	0.16
tblVehicleEF	MHD	0.38	0.07
tblVehicleEF	MHD	1.1790e-003	6.2900e-004

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Summer

tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.4400e-004	1.2100e-004
tblVehicleEF	MHD	1.1690e-003	6.9100e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	7.2400e-004	4.2100e-004
tblVehicleEF	MHD	0.05	0.07
tblVehicleEF	MHD	0.02	0.16
tblVehicleEF	MHD	0.41	0.07
tblVehicleEF	OBUS	0.01	8.4750e-003
tblVehicleEF	OBUS	7.7220e-003	6.9630e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.28	0.60
tblVehicleEF	OBUS	0.53	0.78
tblVehicleEF	OBUS	5.41	2.39
tblVehicleEF	OBUS	112.13	94.21
tblVehicleEF	OBUS	1,260.49	1,391.50
tblVehicleEF	OBUS	67.92	19.24
tblVehicleEF	OBUS	0.51	0.46
tblVehicleEF	OBUS	1.55	1.57
tblVehicleEF	OBUS	2.60	0.75
tblVehicleEF	OBUS	1.1400e-004	7.8900e-004
tblVehicleEF	OBUS	7.4300e-003	0.02
tblVehicleEF	OBUS	8.0700e-004	1.9700e-004
tblVehicleEF	OBUS	1.0900e-004	7.5500e-004
tblVehicleEF	OBUS	7.0930e-003	0.02
tblVehicleEF	OBUS	7.4200e-004	1.8100e-004

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Summer

tblVehicleEF	OBUS	1.4340e-003	1.8390e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	7.6800e-004	9.4100e-004
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	0.04	0.26
tblVehicleEF	OBUS	0.34	0.11
tblVehicleEF	OBUS	1.0820e-003	8.9600e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.7400e-004	1.9000e-004
tblVehicleEF	OBUS	1.4340e-003	1.8390e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	7.6800e-004	9.4100e-004
tblVehicleEF	OBUS	0.08	0.08
tblVehicleEF	OBUS	0.04	0.26
tblVehicleEF	OBUS	0.37	0.13
tblVehicleEF	OBUS	0.01	8.5340e-003
tblVehicleEF	OBUS	7.8490e-003	7.0850e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.27	0.58
tblVehicleEF	OBUS	0.54	0.80
tblVehicleEF	OBUS	5.11	2.26
tblVehicleEF	OBUS	117.81	94.08
tblVehicleEF	OBUS	1,260.49	1,391.52
tblVehicleEF	OBUS	67.92	19.02
tblVehicleEF	OBUS	0.53	0.45

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Summer

tblVehicleEF	OBUS	1.46	1.48
tblVehicleEF	OBUS	2.57	0.74
tblVehicleEF	OBUS	9.6000e-005	6.7100e-004
tblVehicleEF	OBUS	7.4300e-003	0.02
tblVehicleEF	OBUS	8.0700e-004	1.9700e-004
tblVehicleEF	OBUS	9.2000e-005	6.4200e-004
tblVehicleEF	OBUS	7.0930e-003	0.02
tblVehicleEF	OBUS	7.4200e-004	1.8100e-004
tblVehicleEF	OBUS	2.1010e-003	2.6500e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	1.0830e-003	1.3070e-003
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	0.04	0.26
tblVehicleEF	OBUS	0.32	0.11
tblVehicleEF	OBUS	1.1360e-003	8.9500e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.6900e-004	1.8800e-004
tblVehicleEF	OBUS	2.1010e-003	2.6500e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	1.0830e-003	1.3070e-003
tblVehicleEF	OBUS	0.08	0.08
tblVehicleEF	OBUS	0.04	0.26
tblVehicleEF	OBUS	0.35	0.12
tblVehicleEF	OBUS	0.01	8.4130e-003
tblVehicleEF	OBUS	7.6880e-003	6.9290e-003

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Summer

tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.30	0.61
tblVehicleEF	OBUS	0.53	0.78
tblVehicleEF	OBUS	5.47	2.42
tblVehicleEF	OBUS	104.30	94.40
tblVehicleEF	OBUS	1,260.49	1,391.49
tblVehicleEF	OBUS	67.92	19.29
tblVehicleEF	OBUS	0.49	0.47
tblVehicleEF	OBUS	1.52	1.55
tblVehicleEF	OBUS	2.61	0.76
tblVehicleEF	OBUS	1.3900e-004	9.5300e-004
tblVehicleEF	OBUS	7.4300e-003	0.02
tblVehicleEF	OBUS	8.0700e-004	1.9700e-004
tblVehicleEF	OBUS	1.3300e-004	9.1200e-004
tblVehicleEF	OBUS	7.0930e-003	0.02
tblVehicleEF	OBUS	7.4200e-004	1.8100e-004
tblVehicleEF	OBUS	1.4690e-003	1.9220e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	7.4700e-004	9.2400e-004
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	0.04	0.28
tblVehicleEF	OBUS	0.34	0.12
tblVehicleEF	OBUS	1.0070e-003	8.9800e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.7500e-004	1.9100e-004
tblVehicleEF	OBUS	1.4690e-003	1.9220e-003

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Summer

tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.06	0.07
tblVehicleEF	OBUS	7.4700e-004	9.2400e-004
tblVehicleEF	OBUS	0.08	0.08
tblVehicleEF	OBUS	0.04	0.28
tblVehicleEF	OBUS	0.37	0.13
tblVehicleEF	SBUS	0.84	0.07
tblVehicleEF	SBUS	0.01	7.0600e-003
tblVehicleEF	SBUS	0.06	6.7770e-003
tblVehicleEF	SBUS	8.15	2.99
tblVehicleEF	SBUS	0.72	0.60
tblVehicleEF	SBUS	7.31	0.93
tblVehicleEF	SBUS	1,121.00	354.63
tblVehicleEF	SBUS	1,079.30	1,100.97
tblVehicleEF	SBUS	55.06	5.73
tblVehicleEF	SBUS	9.20	3.14
tblVehicleEF	SBUS	4.17	4.65
tblVehicleEF	SBUS	12.12	0.90
tblVehicleEF	SBUS	9.3410e-003	3.9540e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	8.1500e-004	5.5000e-005
tblVehicleEF	SBUS	8.9370e-003	3.7830e-003
tblVehicleEF	SBUS	2.6670e-003	2.6630e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	7.5000e-004	5.1000e-005
tblVehicleEF	SBUS	3.3650e-003	9.8900e-004

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Summer

tblVehicleEF	SBUS	0.03	8.5880e-003
tblVehicleEF	SBUS	0.97	0.34
tblVehicleEF	SBUS	1.7650e-003	5.2700e-004
tblVehicleEF	SBUS	0.10	0.09
tblVehicleEF	SBUS	0.01	0.06
tblVehicleEF	SBUS	0.38	0.04
tblVehicleEF	SBUS	0.01	3.3860e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.7700e-004	5.7000e-005
tblVehicleEF	SBUS	3.3650e-003	9.8900e-004
tblVehicleEF	SBUS	0.03	8.5880e-003
tblVehicleEF	SBUS	1.40	0.49
tblVehicleEF	SBUS	1.7650e-003	5.2700e-004
tblVehicleEF	SBUS	0.13	0.11
tblVehicleEF	SBUS	0.01	0.06
tblVehicleEF	SBUS	0.42	0.04
tblVehicleEF	SBUS	0.84	0.07
tblVehicleEF	SBUS	0.01	7.1400e-003
tblVehicleEF	SBUS	0.06	6.0470e-003
tblVehicleEF	SBUS	8.04	2.95
tblVehicleEF	SBUS	0.73	0.61
tblVehicleEF	SBUS	5.94	0.76
tblVehicleEF	SBUS	1,171.46	362.29
tblVehicleEF	SBUS	1,079.30	1,100.99
tblVehicleEF	SBUS	55.06	5.44
tblVehicleEF	SBUS	9.50	3.21
tblVehicleEF	SBUS	3.93	4.39

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Summer

tblVehicleEF	SBUS	12.09	0.90
tblVehicleEF	SBUS	7.8750e-003	3.3400e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	8.1500e-004	5.5000e-005
tblVehicleEF	SBUS	7.5340e-003	3.1960e-003
tblVehicleEF	SBUS	2.6670e-003	2.6630e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	7.5000e-004	5.1000e-005
tblVehicleEF	SBUS	4.9570e-003	1.4290e-003
tblVehicleEF	SBUS	0.03	8.7250e-003
tblVehicleEF	SBUS	0.97	0.34
tblVehicleEF	SBUS	2.5080e-003	7.3100e-004
tblVehicleEF	SBUS	0.10	0.09
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.34	0.03
tblVehicleEF	SBUS	0.01	3.4580e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.5400e-004	5.4000e-005
tblVehicleEF	SBUS	4.9570e-003	1.4290e-003
tblVehicleEF	SBUS	0.03	8.7250e-003
tblVehicleEF	SBUS	1.40	0.49
tblVehicleEF	SBUS	2.5080e-003	7.3100e-004
tblVehicleEF	SBUS	0.13	0.11
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.37	0.04
tblVehicleEF	SBUS	0.84	0.07

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Summer

tblVehicleEF	SBUS	0.01	7.0350e-003
tblVehicleEF	SBUS	0.07	6.9450e-003
tblVehicleEF	SBUS	8.31	3.04
tblVehicleEF	SBUS	0.72	0.60
tblVehicleEF	SBUS	7.56	0.96
tblVehicleEF	SBUS	1,051.30	344.05
tblVehicleEF	SBUS	1,079.30	1,100.97
tblVehicleEF	SBUS	55.06	5.78
tblVehicleEF	SBUS	8.80	3.05
tblVehicleEF	SBUS	4.10	4.57
tblVehicleEF	SBUS	12.13	0.90
tblVehicleEF	SBUS	0.01	4.8000e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	8.1500e-004	5.5000e-005
tblVehicleEF	SBUS	0.01	4.5930e-003
tblVehicleEF	SBUS	2.6670e-003	2.6630e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	7.5000e-004	5.1000e-005
tblVehicleEF	SBUS	3.4320e-003	1.0030e-003
tblVehicleEF	SBUS	0.03	9.0230e-003
tblVehicleEF	SBUS	0.98	0.34
tblVehicleEF	SBUS	1.6940e-003	5.0600e-004
tblVehicleEF	SBUS	0.10	0.09
tblVehicleEF	SBUS	0.02	0.07
tblVehicleEF	SBUS	0.39	0.04
tblVehicleEF	SBUS	0.01	3.2860e-003

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Summer

tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.8100e-004	5.7000e-005
tblVehicleEF	SBUS	3.4320e-003	1.0030e-003
tblVehicleEF	SBUS	0.03	9.0230e-003
tblVehicleEF	SBUS	1.41	0.49
tblVehicleEF	SBUS	1.6940e-003	5.0600e-004
tblVehicleEF	SBUS	0.13	0.11
tblVehicleEF	SBUS	0.02	0.07
tblVehicleEF	SBUS	0.43	0.04
tblVehicleEF	UBUS	2.61	5.85
tblVehicleEF	UBUS	0.05	0.01
tblVehicleEF	UBUS	11.22	45.42
tblVehicleEF	UBUS	8.87	0.71
tblVehicleEF	UBUS	1,968.89	1,991.58
tblVehicleEF	UBUS	96.56	8.61
tblVehicleEF	UBUS	9.98	0.47
tblVehicleEF	UBUS	15.36	0.08
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.13	3.1840e-003
tblVehicleEF	UBUS	1.0870e-003	4.6000e-005
tblVehicleEF	UBUS	0.26	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9690e-003
tblVehicleEF	UBUS	0.13	3.0430e-003
tblVehicleEF	UBUS	9.9900e-004	4.3000e-005
tblVehicleEF	UBUS	4.1440e-003	6.6500e-004
tblVehicleEF	UBUS	0.07	8.4730e-003

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Summer

tblVehicleEF	UBUS	2.3870e-003	4.9100e-004
tblVehicleEF	UBUS	0.85	0.09
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.68	0.05
tblVehicleEF	UBUS	9.8600e-003	1.4410e-003
tblVehicleEF	UBUS	1.1250e-003	8.5000e-005
tblVehicleEF	UBUS	4.1440e-003	6.6500e-004
tblVehicleEF	UBUS	0.07	8.4730e-003
tblVehicleEF	UBUS	2.3870e-003	4.9100e-004
tblVehicleEF	UBUS	3.56	5.97
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.74	0.05
tblVehicleEF	UBUS	2.61	5.85
tblVehicleEF	UBUS	0.05	0.01
tblVehicleEF	UBUS	11.27	45.42
tblVehicleEF	UBUS	7.69	0.63
tblVehicleEF	UBUS	1,968.89	1,991.58
tblVehicleEF	UBUS	96.56	8.46
tblVehicleEF	UBUS	9.41	0.47
tblVehicleEF	UBUS	15.31	0.08
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.13	3.1840e-003
tblVehicleEF	UBUS	1.0870e-003	4.6000e-005
tblVehicleEF	UBUS	0.26	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9690e-003
tblVehicleEF	UBUS	0.13	3.0430e-003

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Summer

tblVehicleEF	UBUS	9.9900e-004	4.3000e-005
tblVehicleEF	UBUS	5.9080e-003	9.6200e-004
tblVehicleEF	UBUS	0.07	8.7330e-003
tblVehicleEF	UBUS	3.2830e-003	6.7600e-004
tblVehicleEF	UBUS	0.86	0.09
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.62	0.04
tblVehicleEF	UBUS	9.8610e-003	1.4410e-003
tblVehicleEF	UBUS	1.1050e-003	8.4000e-005
tblVehicleEF	UBUS	5.9080e-003	9.6200e-004
tblVehicleEF	UBUS	0.07	8.7330e-003
tblVehicleEF	UBUS	3.2830e-003	6.7600e-004
tblVehicleEF	UBUS	3.57	5.97
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.68	0.05
tblVehicleEF	UBUS	2.61	5.85
tblVehicleEF	UBUS	0.05	0.01
tblVehicleEF	UBUS	11.21	45.42
tblVehicleEF	UBUS	9.08	0.73
tblVehicleEF	UBUS	1,968.89	1,991.58
tblVehicleEF	UBUS	96.56	8.64
tblVehicleEF	UBUS	9.79	0.47
tblVehicleEF	UBUS	15.38	0.09
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.13	3.1840e-003
tblVehicleEF	UBUS	1.0870e-003	4.6000e-005

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Summer

tblVehicleEF	UBUS	0.26	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9690e-003
tblVehicleEF	UBUS	0.13	3.0430e-003
tblVehicleEF	UBUS	9.9900e-004	4.3000e-005
tblVehicleEF	UBUS	4.7000e-003	6.4800e-004
tblVehicleEF	UBUS	0.08	9.0360e-003
tblVehicleEF	UBUS	2.5010e-003	4.6600e-004
tblVehicleEF	UBUS	0.85	0.09
tblVehicleEF	UBUS	0.03	0.07
tblVehicleEF	UBUS	0.69	0.05
tblVehicleEF	UBUS	9.8590e-003	1.4410e-003
tblVehicleEF	UBUS	1.1290e-003	8.5000e-005
tblVehicleEF	UBUS	4.7000e-003	6.4800e-004
tblVehicleEF	UBUS	0.08	9.0360e-003
tblVehicleEF	UBUS	2.5010e-003	4.6600e-004
tblVehicleEF	UBUS	3.55	5.97
tblVehicleEF	UBUS	0.03	0.07
tblVehicleEF	UBUS	0.75	0.05
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TTP	48.00	0.00
tblVehicleTrips	CC_TTP	28.00	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Summer

tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	13.00	0.00
tblVehicleTrips	CNW_TTP	41.00	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TTP	33.00	0.00
tblVehicleTrips	CW_TTP	59.00	0.00
tblVehicleTrips	CW_TTP	59.00	0.00
tblVehicleTrips	DV_TP	28.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	6.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	66.00	0.00
tblVehicleTrips	PR_TP	92.00	0.00
tblVehicleTrips	PR_TP	92.00	0.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	1.32	0.00
tblVehicleTrips	ST_TR	1.68	0.00
tblVehicleTrips	SU_TR	16.74	0.00

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Summer

tblVehicleTrips	SU_TR	0.68	0.00
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	6.97	0.00
tblVehicleTrips	WD_TR	1.68	0.00
tblWater	IndoorWaterUseRate	14,291,250.00	0.00
tblWater	IndoorWaterUseRate	14,291,250.00	0.00
tblWater	OutdoorWaterUseRate	965,099.89	0.00

2.0 Emissions Summary

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Summer

2.1 Overall Construction (Maximum Daily Emission)**Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	5.4260	61.0333	27.7970	0.0728	23.5828	2.6480	26.2308	10.5603	2.4362	12.9965	0.0000	7,164.786 9	7,164.786 9	1.7957	0.0000	7,196.027 6
2022	30.4055	36.5579	28.0038	0.0793	2.3416	1.4075	3.7491	0.6280	1.3208	1.9488	0.0000	7,793.384 9	7,793.384 9	1.2699	0.0000	7,825.133 2
Maximum	30.4055	61.0333	28.0038	0.0793	23.5828	2.6480	26.2308	10.5603	2.4362	12.9965	0.0000	7,793.384 9	7,793.384 9	1.7957	0.0000	7,825.133 2

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	5.4260	61.0333	27.7970	0.0728	9.3278	2.6480	11.9758	4.1533	2.4362	6.5895	0.0000	7,164.786 9	7,164.786 9	1.7957	0.0000	7,196.027 6
2022	30.4055	36.5579	28.0038	0.0793	2.3416	1.4075	3.7491	0.6280	1.3208	1.9488	0.0000	7,793.384 9	7,793.384 9	1.2699	0.0000	7,825.133 2
Maximum	30.4055	61.0333	28.0038	0.0793	9.3278	2.6480	11.9758	4.1533	2.4362	6.5895	0.0000	7,793.384 9	7,793.384 9	1.7957	0.0000	7,825.133 2

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	54.99	0.00	47.55	57.27	0.00	42.87	0.00	0.00	0.00	0.00	0.00	0.00

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Summer

2.2 Overall Operational**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	5.2500e-003	5.2000e-004	0.0565	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1209	0.1209	3.2000e-004		0.1288
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	5.2500e-003	5.2000e-004	0.0565	0.0000	0.0000	2.0000e-004	2.0000e-004	0.0000	2.0000e-004	2.0000e-004		0.1209	0.1209	3.2000e-004	0.0000	0.1288

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	5.2500e-003	5.2000e-004	0.0565	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1209	0.1209	3.2000e-004		0.1288
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	5.2500e-003	5.2000e-004	0.0565	0.0000	0.0000	2.0000e-004	2.0000e-004	0.0000	2.0000e-004	2.0000e-004		0.1209	0.1209	3.2000e-004	0.0000	0.1288

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	10/4/2021	10/29/2021	5	20	
2	Site Preparation	Site Preparation	10/30/2021	11/12/2021	5	10	
3	Grading	Grading	11/13/2021	12/10/2021	5	20	
4	Building Construction	Building Construction	12/11/2021	10/28/2022	5	230	
5	Architectural Coating	Architectural Coating	10/1/2022	11/25/2022	5	40	
6	Paving	Paving	10/29/2022	11/25/2022	5	20	

Acres of Grading (Site Preparation Phase): 50**Acres of Grading (Grading Phase): 100****Acres of Paving: 2.65****Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 185,393; Non-Residential Outdoor: 61,798; Striped Parking Area: 12,134 (Architectural Coating – sqft)****OffRoad Equipment**

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Crushing/Proc. Equipment	1	8.00	85	0.78
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Crawler Tractors	4	8.00	212	0.43
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Grading	Crawler Tractors	3	8.00	212	0.43
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Crawler Tractors	3	8.00	212	0.43
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	8.00	78	0.48
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38

Trips and VMT

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Summer

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	7	18.00	4.00	339.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	5.00	135.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	152.00	48.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	30.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.6722	0.0000	3.6722	0.5560	0.0000	0.5560			0.0000			0.0000
Off-Road	3.6773	34.9358	25.9044	0.0458		1.7595	1.7595		1.6492	1.6492		4,412.475 1	4,412.475 1	1.1005		4,439.987 6
Total	3.6773	34.9358	25.9044	0.0458	3.6722	1.7595	5.4317	0.5560	1.6492	2.2052		4,412.475 1	4,412.475 1	1.1005		4,439.987 6

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Summer

3.2 Demolition - 2021**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1413	4.5467	1.0661	0.0132	0.2964	0.0140	0.3103	0.0812	0.0134	0.0946		1,434.726 4	1,434.726 4	0.0974		1,437.160 6
Vendor	0.0122	0.3884	0.1015	1.0300e-003	0.0256	7.9000e-004	0.0264	7.3700e-003	7.6000e-004	8.1300e-003		109.9523	109.9523	6.4800e-003		110.1142
Worker	0.0772	0.0530	0.7250	2.0600e-003	0.2012	1.6300e-003	0.2028	0.0534	1.5000e-003	0.0549		204.9786	204.9786	6.0400e-003		205.1296
Total	0.2307	4.9881	1.8926	0.0163	0.5232	0.0164	0.5396	0.1420	0.0156	0.1576		1,749.657 3	1,749.657 3	0.1099		1,752.404 3

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.4322	0.0000	1.4322	0.2168	0.0000	0.2168			0.0000			0.0000
Off-Road	3.6773	34.9358	25.9044	0.0458		1.7595	1.7595		1.6492	1.6492	0.0000	4,412.475 1	4,412.475 1	1.1005		4,439.987 6
Total	3.6773	34.9358	25.9044	0.0458	1.4322	1.7595	3.1916	0.2168	1.6492	1.8661	0.0000	4,412.475 1	4,412.475 1	1.1005		4,439.987 6

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Summer

3.2 Demolition - 2021**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1413	4.5467	1.0661	0.0132	0.2964	0.0140	0.3103	0.0812	0.0134	0.0946		1,434.726 4	1,434.726 4	0.0974		1,437.160 6
Vendor	0.0122	0.3884	0.1015	1.0300e-003	0.0256	7.9000e-004	0.0264	7.3700e-003	7.6000e-004	8.1300e-003		109.9523	109.9523	6.4800e-003		110.1142
Worker	0.0772	0.0530	0.7250	2.0600e-003	0.2012	1.6300e-003	0.2028	0.0534	1.5000e-003	0.0549		204.9786	204.9786	6.0400e-003		205.1296
Total	0.2307	4.9881	1.8926	0.0163	0.5232	0.0164	0.5396	0.1420	0.0156	0.1576		1,749.657 3	1,749.657 3	0.1099		1,752.404 3

3.3 Site Preparation - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					23.3688	0.0000	23.3688	10.5032	0.0000	10.5032			0.0000			0.0000
Off-Road	5.3428	60.7861	21.8537	0.0570		2.6460	2.6460		2.4343	2.4343		5,523.504 7	5,523.504 7	1.7864		5,568.165 1
Total	5.3428	60.7861	21.8537	0.0570	23.3688	2.6460	26.0148	10.5032	2.4343	12.9376		5,523.504 7	5,523.504 7	1.7864		5,568.165 1

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Summer

3.3 Site Preparation - 2021**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	6.0800e-003	0.1942	0.0508	5.1000e-004	0.0128	4.0000e-004	0.0132	3.6900e-003	3.8000e-004	4.0700e-003		54.9761	54.9761	3.2400e-003		55.0571
Worker	0.0772	0.0530	0.7250	2.0600e-003	0.2012	1.6300e-003	0.2028	0.0534	1.5000e-003	0.0549		204.9786	204.9786	6.0400e-003		205.1296
Total	0.0832	0.2472	0.7758	2.5700e-003	0.2140	2.0300e-003	0.2160	0.0571	1.8800e-003	0.0589		259.9547	259.9547	9.2800e-003		260.1867

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.1138	0.0000	9.1138	4.0963	0.0000	4.0963			0.0000			0.0000
Off-Road	5.3428	60.7861	21.8537	0.0570		2.6460	2.6460		2.4343	2.4343	0.0000	5,523.5047	5,523.5047	1.7864		5,568.1651
Total	5.3428	60.7861	21.8537	0.0570	9.1138	2.6460	11.7598	4.0963	2.4343	6.5306	0.0000	5,523.5047	5,523.5047	1.7864		5,568.1651

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Summer

3.3 Site Preparation - 2021**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	6.0800e-003	0.1942	0.0508	5.1000e-004	0.0128	4.0000e-004	0.0132	3.6900e-003	3.8000e-004	4.0700e-003		54.9761	54.9761	3.2400e-003		55.0571
Worker	0.0772	0.0530	0.7250	2.0600e-003	0.2012	1.6300e-003	0.2028	0.0534	1.5000e-003	0.0549		204.9786	204.9786	6.0400e-003		205.1296
Total	0.0832	0.2472	0.7758	2.5700e-003	0.2140	2.0300e-003	0.2160	0.0571	1.8800e-003	0.0589		259.9547	259.9547	9.2800e-003		260.1867

3.4 Grading - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					11.3307	0.0000	11.3307	3.8837	0.0000	3.8837			0.0000			0.0000
Off-Road	3.3813	39.9534	16.3820	0.0439		1.6111	1.6111		1.4822	1.4822		4,250.314 4	4,250.314 4	1.3746		4,284.680 3
Total	3.3813	39.9534	16.3820	0.0439	11.3307	1.6111	12.9417	3.8837	1.4822	5.3659		4,250.314 4	4,250.314 4	1.3746		4,284.680 3

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Summer

3.4 Grading - 2021**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0563	1.8106	0.4245	5.2700e-003	0.1180	5.5600e-003	0.1236	0.0324	5.3200e-003	0.0377		571.3512	571.3512	0.0388		572.3206
Vendor	0.0152	0.4855	0.1269	1.2900e-003	0.0320	9.9000e-004	0.0330	9.2200e-003	9.5000e-004	0.0102		137.4403	137.4403	8.1000e-003		137.6427
Worker	0.0643	0.0442	0.6042	1.7100e-003	0.1677	1.3500e-003	0.1690	0.0445	1.2500e-003	0.0457		170.8155	170.8155	5.0300e-003		170.9413
Total	0.1358	2.3403	1.1556	8.2700e-003	0.3177	7.9000e-003	0.3256	0.0860	7.5200e-003	0.0936		879.6070	879.6070	0.0519		880.9046

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.4190	0.0000	4.4190	1.5146	0.0000	1.5146			0.0000			0.0000
Off-Road	3.3813	39.9534	16.3820	0.0439		1.6111	1.6111		1.4822	1.4822	0.0000	4,250.314 4	4,250.314 4	1.3746		4,284.680 3
Total	3.3813	39.9534	16.3820	0.0439	4.4190	1.6111	6.0300	1.5146	1.4822	2.9968	0.0000	4,250.314 4	4,250.314 4	1.3746		4,284.680 3

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Summer

3.4 Grading - 2021**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0563	1.8106	0.4245	5.2700e-003	0.1180	5.5600e-003	0.1236	0.0324	5.3200e-003	0.0377		571.3512	571.3512	0.0388		572.3206
Vendor	0.0152	0.4855	0.1269	1.2900e-003	0.0320	9.9000e-004	0.0330	9.2200e-003	9.5000e-004	0.0102		137.4403	137.4403	8.1000e-003		137.6427
Worker	0.0643	0.0442	0.6042	1.7100e-003	0.1677	1.3500e-003	0.1690	0.0445	1.2500e-003	0.0457		170.8155	170.8155	5.0300e-003		170.9413
Total	0.1358	2.3403	1.1556	8.2700e-003	0.3177	7.9000e-003	0.3256	0.0860	7.5200e-003	0.0936		879.6070	879.6070	0.0519		880.9046

3.5 Building Construction - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.1137	33.9659	18.1952	0.0430		1.4763	1.4763		1.3775	1.3775		4,114.4297	4,114.4297	1.1209		4,142.4520
Total	3.1137	33.9659	18.1952	0.0430		1.4763	1.4763		1.3775	1.3775		4,114.4297	4,114.4297	1.1209		4,142.4520

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Summer

3.5 Building Construction - 2021**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1459	4.6603	1.2183	0.0123	0.3073	9.5300e-003	0.3168	0.0885	9.1100e-003	0.0976		1,319.4270	1,319.4270	0.0777		1,321.3703
Worker	0.6516	0.4479	6.1222	0.0174	1.6990	0.0137	1.7127	0.4506	0.0127	0.4632		1,730.9302	1,730.9302	0.0510		1,732.2052
Total	0.7975	5.1081	7.3405	0.0297	2.0063	0.0233	2.0296	0.5391	0.0218	0.5608		3,050.3572	3,050.3572	0.1287		3,053.5755

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.1137	33.9659	18.1952	0.0430		1.4763	1.4763		1.3775	1.3775	0.0000	4,114.4297	4,114.4297	1.1209		4,142.4520
Total	3.1137	33.9659	18.1952	0.0430		1.4763	1.4763		1.3775	1.3775	0.0000	4,114.4297	4,114.4297	1.1209		4,142.4520

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Summer

3.5 Building Construction - 2021**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1459	4.6603	1.2183	0.0123	0.3073	9.5300e-003	0.3168	0.0885	9.1100e-003	0.0976		1,319.4270	1,319.4270	0.0777		1,321.3703
Worker	0.6516	0.4479	6.1222	0.0174	1.6990	0.0137	1.7127	0.4506	0.0127	0.4632		1,730.9302	1,730.9302	0.0510		1,732.2052
Total	0.7975	5.1081	7.3405	0.0297	2.0063	0.0233	2.0296	0.5391	0.0218	0.5608		3,050.3572	3,050.3572	0.1287		3,053.5755

3.5 Building Construction - 2022**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7963	29.7637	17.6698	0.0430		1.2743	1.2743		1.1892	1.1892		4,110.5322	4,110.5322	1.1153		4,138.4135
Total	2.7963	29.7637	17.6698	0.0430		1.2743	1.2743		1.1892	1.1892		4,110.5322	4,110.5322	1.1153		4,138.4135

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Summer

3.5 Building Construction - 2022**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1369	4.4319	1.1527	0.0122	0.3073	8.3300e-003	0.3156	0.0885	7.9700e-003	0.0965		1,307.9323	1,307.9323	0.0751		1,309.8087
Worker	0.6103	0.4045	5.6484	0.0168	1.6990	0.0133	1.7123	0.4506	0.0123	0.4628		1,670.0427	1,670.0427	0.0461		1,671.1951
Total	0.7473	4.8364	6.8011	0.0290	2.0063	0.0216	2.0279	0.5391	0.0202	0.5593		2,977.9750	2,977.9750	0.1212		2,981.0038

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7963	29.7637	17.6698	0.0430		1.2743	1.2743		1.1892	1.1892	0.0000	4,110.5322	4,110.5322	1.1153		4,138.4135
Total	2.7963	29.7637	17.6698	0.0430		1.2743	1.2743		1.1892	1.1892	0.0000	4,110.5322	4,110.5322	1.1153		4,138.4135

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Summer

3.5 Building Construction - 2022**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1369	4.4319	1.1527	0.0122	0.3073	8.3300e-003	0.3156	0.0885	7.9700e-003	0.0965		1,307.9323	1,307.9323	0.0751		1,309.8087
Worker	0.6103	0.4045	5.6484	0.0168	1.6990	0.0133	1.7123	0.4506	0.0123	0.4628		1,670.0427	1,670.0427	0.0461		1,671.1951
Total	0.7473	4.8364	6.8011	0.0290	2.0063	0.0216	2.0279	0.5391	0.0202	0.5593		2,977.9750	2,977.9750	0.1212		2,981.0038

3.6 Architectural Coating - 2022**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	26.4689					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2727	1.8780	2.4181	3.9600e-003		0.1090	0.1090		0.1090	0.1090		375.2641	375.2641	0.0244		375.8749
Total	26.7416	1.8780	2.4181	3.9600e-003		0.1090	0.1090		0.1090	0.1090		375.2641	375.2641	0.0244		375.8749

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Summer

3.6 Architectural Coating - 2022**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1205	0.0798	1.1148	3.3100e-003	0.3353	2.6200e-003	0.3380	0.0889	2.4200e-003	0.0914		329.6137	329.6137	9.1000e-003		329.8411
Total	0.1205	0.0798	1.1148	3.3100e-003	0.3353	2.6200e-003	0.3380	0.0889	2.4200e-003	0.0914		329.6137	329.6137	9.1000e-003		329.8411

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	26.4689					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2727	1.8780	2.4181	3.9600e-003		0.1090	0.1090		0.1090	0.1090	0.0000	375.2641	375.2641	0.0244		375.8749
Total	26.7416	1.8780	2.4181	3.9600e-003		0.1090	0.1090		0.1090	0.1090	0.0000	375.2641	375.2641	0.0244		375.8749

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Summer

3.6 Architectural Coating - 2022**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1205	0.0798	1.1148	3.3100e-003	0.3353	2.6200e-003	0.3380	0.0889	2.4200e-003	0.0914		329.6137	329.6137	9.1000e-003		329.8411
Total	0.1205	0.0798	1.1148	3.3100e-003	0.3353	2.6200e-003	0.3380	0.0889	2.4200e-003	0.0914		329.6137	329.6137	9.1000e-003		329.8411

3.7 Paving - 2022**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.3472					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4500	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.6603	2,207.6603	0.7140		2,225.5104

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Summer

3.7 Paving - 2022**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0602	0.0399	0.5574	1.6500e-003	0.1677	1.3100e-003	0.1690	0.0445	1.2100e-003	0.0457		164.8069	164.8069	4.5500e-003		164.9206
Total	0.0602	0.0399	0.5574	1.6500e-003	0.1677	1.3100e-003	0.1690	0.0445	1.2100e-003	0.0457		164.8069	164.8069	4.5500e-003		164.9206

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.3472					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4500	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Summer

3.7 Paving - 2022**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0602	0.0399	0.5574	1.6500e-003	0.1677	1.3100e-003	0.1690	0.0445	1.2100e-003	0.0457		164.8069	164.8069	4.5500e-003		164.9206
Total	0.0602	0.0399	0.5574	1.6500e-003	0.1677	1.3100e-003	0.1690	0.0445	1.2100e-003	0.0457		164.8069	164.8069	4.5500e-003		164.9206

4.0 Operational Detail - Mobile**4.1 Mitigation Measures Mobile**

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
General Light Industry	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

[illegible]

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Summer

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
General Light Industry	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
Other Asphalt Surfaces	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
Parking Lot	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
Unrefrigerated Warehouse-No Rail	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Summer

5.2 Energy by Land Use - NaturalGas**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Light Industry	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Summer

5.2 Energy by Land Use - NaturalGas**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Light Industry	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail**6.1 Mitigation Measures Area**

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	5.2500e-003	5.2000e-004	0.0565	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1209	0.1209	3.2000e-004		0.1288
Unmitigated	5.2500e-003	5.2000e-004	0.0565	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1209	0.1209	3.2000e-004		0.1288

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.2500e-003	5.2000e-004	0.0565	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1209	0.1209	3.2000e-004		0.1288
Total	5.2500e-003	5.2000e-004	0.0565	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1209	0.1209	3.2000e-004		0.1288

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Summer

6.2 Area by SubCategory**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.2500e-003	5.2000e-004	0.0565	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1209	0.1209	3.2000e-004		0.1288
Total	5.2500e-003	5.2000e-004	0.0565	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1209	0.1209	3.2000e-004		0.1288

7.0 Water Detail**7.1 Mitigation Measures Water****8.0 Waste Detail****8.1 Mitigation Measures Waste****9.0 Operational Offroad**

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment**Fire Pumps and Emergency Generators**

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Summer

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Winter

San Francisco Avenue (Construction - Unmitigated)

Los Angeles-South Coast County, Winter

1.0 Project Characteristics**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	61.80	1000sqft	1.42	61,798.00	0
Other Asphalt Surfaces	51.84	1000sqft	1.19	51,840.00	0
Parking Lot	376.00	Space	1.46	150,400.00	0
City Park	0.81	Acre	0.81	35,283.60	0
Unrefrigerated Warehouse-No Rail	61.80	1000sqft	1.42	61,797.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9			Operational Year	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	564.66	CH4 Intensity (lb/MWhr)	0.023	N2O Intensity (lb/MWhr)	0.005

1.3 User Entered Comments & Non-Default Data

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Winter

Project Characteristics - Intensity factors adjusted to reflect the RPS for the 2022 Opening Year

Land Use - Total Project area is approximately 6.3 acres

Construction Phase - Construction anticipated to be completed in 2022

Off-road Equipment - Hours are based on an 8-hour workday

Off-road Equipment - Crawler Tractors used in lieu of Tractors/Loaders/Backhoes

Off-road Equipment -

Off-road Equipment - Crawler Tractors used in lieu of Tractors/Loaders/Backhoes

Off-road Equipment -

Off-road Equipment - Crawler Tractors used in lieu of Tractors/Loaders/Backhoes

Trips and VMT - Vendor Trips adjusted based on CalEEMod defaults for Building Construction and number of days for Demolition, Site Preparation, Grading, and Building Construction

Demolition -

Grading - This analysis conservatively assumes that up to 5 acres will be disturbed per day

Architectural Coating - Rule 1113

Vehicle Trips - Construction run only

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Energy Use - Construction run only

Water And Wastewater - Construction run only

Solid Waste - Construction run only

Construction Off-road Equipment Mitigation - Rule 403

Fleet Mix -

Area Coating -

Consumer Products - Construction only

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Winter

tblAreaCoating	ReapplicationRatePercent	10	0
tblConstructionPhase	NumDays	20.00	40.00
tblConsumerProducts	ROG_EF	1.98E-05	1E-13
tblConsumerProducts	ROG_EF_Degreaser	3.542E-07	1E-12
tblConsumerProducts	ROG_EF_PesticidesFertilizers	5.152E-08	1E-13
tblEnergyUse	LightingElect	3.10	0.00
tblEnergyUse	LightingElect	0.35	0.00
tblEnergyUse	LightingElect	1.91	0.00
tblEnergyUse	NT24E	5.75	0.00
tblEnergyUse	NT24E	1.34	0.00
tblEnergyUse	NT24NG	4.45	0.00
tblEnergyUse	NT24NG	0.03	0.00
tblEnergyUse	T24E	2.25	0.00
tblEnergyUse	T24E	0.65	0.00
tblEnergyUse	T24NG	13.65	0.00
tblEnergyUse	T24NG	0.84	0.00
tblGrading	AcresOfGrading	40.00	100.00
tblGrading	AcresOfGrading	20.00	50.00
tblGrading	MaterialImported	0.00	1,077.00
tblLandUse	LotAcreage	3.38	1.46
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.023

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Winter

tblProjectCharacteristics	CO2IntensityFactor	702.44	564.66
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.005
tblSolidWaste	SolidWasteGenerationRate	0.07	0.00
tblSolidWaste	SolidWasteGenerationRate	76.63	0.00
tblSolidWaste	SolidWasteGenerationRate	58.09	0.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	5.00
tblTripsAndVMT	VendorTripNumber	59.00	48.00
tblVehicleEF	HHD	0.62	0.03
tblVehicleEF	HHD	0.09	0.08
tblVehicleEF	HHD	0.08	1.0000e-006
tblVehicleEF	HHD	2.47	6.23
tblVehicleEF	HHD	1.15	0.58
tblVehicleEF	HHD	3.30	9.5390e-003
tblVehicleEF	HHD	4,690.45	1,172.50
tblVehicleEF	HHD	1,639.83	1,482.70
tblVehicleEF	HHD	10.54	0.09
tblVehicleEF	HHD	20.39	6.32
tblVehicleEF	HHD	3.81	3.60
tblVehicleEF	HHD	19.54	2.06
tblVehicleEF	HHD	0.01	3.9370e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	8.7000e-005	2.0000e-006
tblVehicleEF	HHD	0.01	3.7670e-003

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Winter

tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8380e-003	8.8970e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	8.0000e-005	1.0000e-006
tblVehicleEF	HHD	1.0500e-004	7.0000e-006
tblVehicleEF	HHD	4.6110e-003	2.7700e-004
tblVehicleEF	HHD	0.62	0.45
tblVehicleEF	HHD	7.9000e-005	5.0000e-006
tblVehicleEF	HHD	0.15	0.08
tblVehicleEF	HHD	3.9500e-004	1.5080e-003
tblVehicleEF	HHD	0.08	3.0000e-006
tblVehicleEF	HHD	0.04	0.01
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.6000e-004	1.0000e-006
tblVehicleEF	HHD	1.0500e-004	7.0000e-006
tblVehicleEF	HHD	4.6110e-003	2.7700e-004
tblVehicleEF	HHD	0.72	0.52
tblVehicleEF	HHD	7.9000e-005	5.0000e-006
tblVehicleEF	HHD	0.25	0.17
tblVehicleEF	HHD	3.9500e-004	1.5080e-003
tblVehicleEF	HHD	0.09	3.0000e-006
tblVehicleEF	HHD	0.58	0.03
tblVehicleEF	HHD	0.10	0.08
tblVehicleEF	HHD	0.07	1.0000e-006
tblVehicleEF	HHD	1.80	6.09
tblVehicleEF	HHD	1.16	0.59
tblVehicleEF	HHD	3.13	9.0610e-003

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Winter

tblVehicleEF	HHD	4,968.94	1,168.97
tblVehicleEF	HHD	1,639.83	1,482.70
tblVehicleEF	HHD	10.54	0.09
tblVehicleEF	HHD	21.04	6.13
tblVehicleEF	HHD	3.60	3.41
tblVehicleEF	HHD	19.53	2.06
tblVehicleEF	HHD	0.01	3.4420e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	8.7000e-005	2.0000e-006
tblVehicleEF	HHD	0.01	3.2930e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8380e-003	8.8970e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	8.0000e-005	1.0000e-006
tblVehicleEF	HHD	1.6000e-004	1.1000e-005
tblVehicleEF	HHD	4.7280e-003	2.8200e-004
tblVehicleEF	HHD	0.58	0.47
tblVehicleEF	HHD	1.1400e-004	8.0000e-006
tblVehicleEF	HHD	0.15	0.08
tblVehicleEF	HHD	3.8400e-004	1.4870e-003
tblVehicleEF	HHD	0.08	3.0000e-006
tblVehicleEF	HHD	0.05	0.01
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.5700e-004	1.0000e-006
tblVehicleEF	HHD	1.6000e-004	1.1000e-005

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Winter

tblVehicleEF	HHD	4.7280e-003	2.8200e-004
tblVehicleEF	HHD	0.68	0.55
tblVehicleEF	HHD	1.1400e-004	8.0000e-006
tblVehicleEF	HHD	0.25	0.17
tblVehicleEF	HHD	3.8400e-004	1.4870e-003
tblVehicleEF	HHD	0.08	3.0000e-006
tblVehicleEF	HHD	0.67	0.02
tblVehicleEF	HHD	0.09	3.6360e-003
tblVehicleEF	HHD	0.08	1.0000e-006
tblVehicleEF	HHD	3.41	6.32
tblVehicleEF	HHD	1.15	0.38
tblVehicleEF	HHD	3.33	9.6340e-003
tblVehicleEF	HHD	4,305.87	1,158.96
tblVehicleEF	HHD	1,639.83	1,430.09
tblVehicleEF	HHD	10.54	0.09
tblVehicleEF	HHD	19.48	6.47
tblVehicleEF	HHD	3.75	3.49
tblVehicleEF	HHD	19.55	2.06
tblVehicleEF	HHD	0.02	4.3710e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	8.7000e-005	2.0000e-006
tblVehicleEF	HHD	0.02	4.1820e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8380e-003	8.7580e-003
tblVehicleEF	HHD	0.01	0.03

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Winter

tblVehicleEF	HHD	8.0000e-005	1.0000e-006
tblVehicleEF	HHD	1.0300e-004	8.0000e-006
tblVehicleEF	HHD	4.9260e-003	3.1500e-004
tblVehicleEF	HHD	0.66	0.42
tblVehicleEF	HHD	7.7000e-005	5.0000e-006
tblVehicleEF	HHD	0.15	0.08
tblVehicleEF	HHD	4.2900e-004	1.6010e-003
tblVehicleEF	HHD	0.08	3.0000e-006
tblVehicleEF	HHD	0.04	0.01
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.6000e-004	1.0000e-006
tblVehicleEF	HHD	1.0300e-004	8.0000e-006
tblVehicleEF	HHD	4.9260e-003	3.1500e-004
tblVehicleEF	HHD	0.78	0.48
tblVehicleEF	HHD	7.7000e-005	5.0000e-006
tblVehicleEF	HHD	0.25	0.09
tblVehicleEF	HHD	4.2900e-004	1.6010e-003
tblVehicleEF	HHD	0.09	3.0000e-006
tblVehicleEF	LDA	5.3420e-003	3.0240e-003
tblVehicleEF	LDA	5.4040e-003	0.05
tblVehicleEF	LDA	0.66	0.72
tblVehicleEF	LDA	1.15	2.10
tblVehicleEF	LDA	274.33	272.47
tblVehicleEF	LDA	57.08	53.62
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.07	0.18
tblVehicleEF	LDA	2.1700e-003	1.8010e-003

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Winter

tblVehicleEF	LDA	2.2660e-003	1.8420e-003
tblVehicleEF	LDA	2.0000e-003	1.6590e-003
tblVehicleEF	LDA	2.0830e-003	1.6940e-003
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.21
tblVehicleEF	LDA	0.07	0.22
tblVehicleEF	LDA	2.7480e-003	2.6780e-003
tblVehicleEF	LDA	5.9000e-004	5.2700e-004
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.21
tblVehicleEF	LDA	0.08	0.25
tblVehicleEF	LDA	5.6740e-003	3.2280e-003
tblVehicleEF	LDA	4.8010e-003	0.04
tblVehicleEF	LDA	0.72	0.79
tblVehicleEF	LDA	0.98	1.79
tblVehicleEF	LDA	287.10	284.40
tblVehicleEF	LDA	57.08	53.05
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.06	0.17
tblVehicleEF	LDA	2.1700e-003	1.8010e-003
tblVehicleEF	LDA	2.2660e-003	1.8420e-003

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Winter

tblVehicleEF	LDA	2.0000e-003	1.6590e-003
tblVehicleEF	LDA	2.0830e-003	1.6940e-003
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.11	0.10
tblVehicleEF	LDA	0.05	0.07
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.20
tblVehicleEF	LDA	0.06	0.20
tblVehicleEF	LDA	2.8760e-003	2.7950e-003
tblVehicleEF	LDA	5.8700e-004	5.2200e-004
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.11	0.10
tblVehicleEF	LDA	0.05	0.07
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.20
tblVehicleEF	LDA	0.07	0.22
tblVehicleEF	LDA	5.2330e-003	2.9600e-003
tblVehicleEF	LDA	5.5300e-003	0.05
tblVehicleEF	LDA	0.63	0.69
tblVehicleEF	LDA	1.19	2.17
tblVehicleEF	LDA	269.66	268.07
tblVehicleEF	LDA	57.08	53.75
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.07	0.19
tblVehicleEF	LDA	2.1700e-003	1.8010e-003
tblVehicleEF	LDA	2.2660e-003	1.8420e-003
tblVehicleEF	LDA	2.0000e-003	1.6590e-003

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Winter

tblVehicleEF	LDA	2.0830e-003	1.6940e-003
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.05	0.24
tblVehicleEF	LDA	0.07	0.23
tblVehicleEF	LDA	2.7010e-003	2.6350e-003
tblVehicleEF	LDA	5.9100e-004	5.2800e-004
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.05	0.24
tblVehicleEF	LDA	0.08	0.25
tblVehicleEF	LDT1	0.02	7.7270e-003
tblVehicleEF	LDT1	0.01	0.07
tblVehicleEF	LDT1	1.68	1.45
tblVehicleEF	LDT1	2.78	2.27
tblVehicleEF	LDT1	341.15	320.55
tblVehicleEF	LDT1	69.44	63.67
tblVehicleEF	LDT1	0.16	0.12
tblVehicleEF	LDT1	0.16	0.26
tblVehicleEF	LDT1	3.5390e-003	2.7170e-003
tblVehicleEF	LDT1	3.4320e-003	2.6310e-003
tblVehicleEF	LDT1	3.2590e-003	2.5000e-003
tblVehicleEF	LDT1	3.1560e-003	2.4190e-003

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Winter

tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	0.26	0.20
tblVehicleEF	LDT1	0.11	0.11
tblVehicleEF	LDT1	0.04	0.03
tblVehicleEF	LDT1	0.17	0.69
tblVehicleEF	LDT1	0.19	0.35
tblVehicleEF	LDT1	3.4330e-003	3.1520e-003
tblVehicleEF	LDT1	7.4300e-004	6.2600e-004
tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	0.26	0.20
tblVehicleEF	LDT1	0.11	0.11
tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.17	0.69
tblVehicleEF	LDT1	0.21	0.39
tblVehicleEF	LDT1	0.02	8.1770e-003
tblVehicleEF	LDT1	0.01	0.06
tblVehicleEF	LDT1	1.82	1.58
tblVehicleEF	LDT1	2.36	1.93
tblVehicleEF	LDT1	356.02	332.71
tblVehicleEF	LDT1	69.44	63.00
tblVehicleEF	LDT1	0.14	0.10
tblVehicleEF	LDT1	0.15	0.24
tblVehicleEF	LDT1	3.5390e-003	2.7170e-003
tblVehicleEF	LDT1	3.4320e-003	2.6310e-003
tblVehicleEF	LDT1	3.2590e-003	2.5000e-003
tblVehicleEF	LDT1	3.1560e-003	2.4190e-003
tblVehicleEF	LDT1	0.20	0.20

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Winter

tblVehicleEF	LDT1	0.28	0.21
tblVehicleEF	LDT1	0.15	0.15
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.16	0.64
tblVehicleEF	LDT1	0.17	0.31
tblVehicleEF	LDT1	3.5840e-003	3.2710e-003
tblVehicleEF	LDT1	7.3600e-004	6.1900e-004
tblVehicleEF	LDT1	0.20	0.20
tblVehicleEF	LDT1	0.28	0.21
tblVehicleEF	LDT1	0.15	0.15
tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.16	0.64
tblVehicleEF	LDT1	0.18	0.34
tblVehicleEF	LDT1	0.02	7.5820e-003
tblVehicleEF	LDT1	0.01	0.07
tblVehicleEF	LDT1	1.63	1.41
tblVehicleEF	LDT1	2.87	2.35
tblVehicleEF	LDT1	335.69	316.06
tblVehicleEF	LDT1	69.44	63.82
tblVehicleEF	LDT1	0.15	0.12
tblVehicleEF	LDT1	0.16	0.26
tblVehicleEF	LDT1	3.5390e-003	2.7170e-003
tblVehicleEF	LDT1	3.4320e-003	2.6310e-003
tblVehicleEF	LDT1	3.2590e-003	2.5000e-003
tblVehicleEF	LDT1	3.1560e-003	2.4190e-003
tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	0.30	0.22

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Winter

tblVehicleEF	LDT1	0.10	0.10
tblVehicleEF	LDT1	0.04	0.03
tblVehicleEF	LDT1	0.20	0.82
tblVehicleEF	LDT1	0.20	0.36
tblVehicleEF	LDT1	3.3780e-003	3.1070e-003
tblVehicleEF	LDT1	7.4500e-004	6.2800e-004
tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	0.30	0.22
tblVehicleEF	LDT1	0.10	0.10
tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.20	0.82
tblVehicleEF	LDT1	0.21	0.40
tblVehicleEF	LDT2	7.2180e-003	4.9730e-003
tblVehicleEF	LDT2	6.3970e-003	0.07
tblVehicleEF	LDT2	0.84	1.02
tblVehicleEF	LDT2	1.35	2.65
tblVehicleEF	LDT2	381.91	343.42
tblVehicleEF	LDT2	78.07	68.73
tblVehicleEF	LDT2	0.08	0.09
tblVehicleEF	LDT2	0.11	0.28
tblVehicleEF	LDT2	2.1510e-003	1.9110e-003
tblVehicleEF	LDT2	2.3580e-003	1.8910e-003
tblVehicleEF	LDT2	1.9790e-003	1.7590e-003
tblVehicleEF	LDT2	2.1690e-003	1.7390e-003
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.10	0.12
tblVehicleEF	LDT2	0.05	0.07

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Winter

tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.41
tblVehicleEF	LDT2	0.09	0.31
tblVehicleEF	LDT2	3.8260e-003	3.3760e-003
tblVehicleEF	LDT2	8.0300e-004	6.7600e-004
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.10	0.12
tblVehicleEF	LDT2	0.05	0.07
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.06	0.41
tblVehicleEF	LDT2	0.09	0.34
tblVehicleEF	LDT2	7.6530e-003	5.2910e-003
tblVehicleEF	LDT2	5.6920e-003	0.06
tblVehicleEF	LDT2	0.92	1.12
tblVehicleEF	LDT2	1.15	2.26
tblVehicleEF	LDT2	399.04	355.31
tblVehicleEF	LDT2	78.07	67.99
tblVehicleEF	LDT2	0.07	0.08
tblVehicleEF	LDT2	0.10	0.26
tblVehicleEF	LDT2	2.1510e-003	1.9110e-003
tblVehicleEF	LDT2	2.3580e-003	1.8910e-003
tblVehicleEF	LDT2	1.9790e-003	1.7590e-003
tblVehicleEF	LDT2	2.1690e-003	1.7390e-003
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.10	0.13
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.02	0.02

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Winter

tblVehicleEF	LDT2	0.06	0.38
tblVehicleEF	LDT2	0.08	0.28
tblVehicleEF	LDT2	3.9980e-003	3.4930e-003
tblVehicleEF	LDT2	8.0000e-004	6.6800e-004
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.10	0.13
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.06	0.38
tblVehicleEF	LDT2	0.08	0.31
tblVehicleEF	LDT2	7.0750e-003	4.8730e-003
tblVehicleEF	LDT2	6.5470e-003	0.07
tblVehicleEF	LDT2	0.81	0.99
tblVehicleEF	LDT2	1.39	2.74
tblVehicleEF	LDT2	375.62	339.02
tblVehicleEF	LDT2	78.07	68.90
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.11	0.28
tblVehicleEF	LDT2	2.1510e-003	1.9110e-003
tblVehicleEF	LDT2	2.3580e-003	1.8910e-003
tblVehicleEF	LDT2	1.9790e-003	1.7590e-003
tblVehicleEF	LDT2	2.1690e-003	1.7390e-003
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.11	0.13
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.48

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Winter

tblVehicleEF	LDT2	0.09	0.32
tblVehicleEF	LDT2	3.7630e-003	3.3320e-003
tblVehicleEF	LDT2	8.0400e-004	6.7700e-004
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.11	0.13
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.07	0.48
tblVehicleEF	LDT2	0.10	0.35
tblVehicleEF	LHD1	5.5970e-003	5.6110e-003
tblVehicleEF	LHD1	0.01	5.6770e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.19
tblVehicleEF	LHD1	0.84	0.65
tblVehicleEF	LHD1	2.79	1.14
tblVehicleEF	LHD1	8.92	8.88
tblVehicleEF	LHD1	603.81	667.04
tblVehicleEF	LHD1	33.34	12.48
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.95	0.63
tblVehicleEF	LHD1	1.01	0.34
tblVehicleEF	LHD1	8.2600e-004	7.5000e-004
tblVehicleEF	LHD1	0.01	9.6680e-003
tblVehicleEF	LHD1	9.1270e-003	6.2840e-003
tblVehicleEF	LHD1	1.0140e-003	2.8500e-004
tblVehicleEF	LHD1	7.9000e-004	7.1700e-004
tblVehicleEF	LHD1	2.5160e-003	2.4170e-003

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Winter

tblVehicleEF	LHD1	8.7050e-003	5.9830e-003
tblVehicleEF	LHD1	9.3300e-004	2.6200e-004
tblVehicleEF	LHD1	3.1460e-003	2.5540e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.9140e-003	1.5610e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.31	0.55
tblVehicleEF	LHD1	0.27	0.08
tblVehicleEF	LHD1	9.0000e-005	8.6000e-005
tblVehicleEF	LHD1	5.9300e-003	6.5150e-003
tblVehicleEF	LHD1	3.8500e-004	1.2400e-004
tblVehicleEF	LHD1	3.1460e-003	2.5540e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.9140e-003	1.5610e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.31	0.55
tblVehicleEF	LHD1	0.29	0.09
tblVehicleEF	LHD1	5.5970e-003	5.6230e-003
tblVehicleEF	LHD1	0.01	5.7930e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.19
tblVehicleEF	LHD1	0.85	0.66
tblVehicleEF	LHD1	2.66	1.09
tblVehicleEF	LHD1	8.92	8.88
tblVehicleEF	LHD1	603.81	667.06

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Winter

tblVehicleEF	LHD1	33.34	12.39
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.89	0.59
tblVehicleEF	LHD1	0.96	0.32
tblVehicleEF	LHD1	8.2600e-004	7.5000e-004
tblVehicleEF	LHD1	0.01	9.6680e-003
tblVehicleEF	LHD1	9.1270e-003	6.2840e-003
tblVehicleEF	LHD1	1.0140e-003	2.8500e-004
tblVehicleEF	LHD1	7.9000e-004	7.1700e-004
tblVehicleEF	LHD1	2.5160e-003	2.4170e-003
tblVehicleEF	LHD1	8.7050e-003	5.9830e-003
tblVehicleEF	LHD1	9.3300e-004	2.6200e-004
tblVehicleEF	LHD1	4.7100e-003	3.7600e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.6900e-003	2.1600e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.30	0.53
tblVehicleEF	LHD1	0.26	0.08
tblVehicleEF	LHD1	9.0000e-005	8.6000e-005
tblVehicleEF	LHD1	5.9310e-003	6.5150e-003
tblVehicleEF	LHD1	3.8300e-004	1.2300e-004
tblVehicleEF	LHD1	4.7100e-003	3.7600e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	2.6900e-003	2.1600e-003
tblVehicleEF	LHD1	0.08	0.06

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Winter

tblVehicleEF	LHD1	0.30	0.53
tblVehicleEF	LHD1	0.28	0.08
tblVehicleEF	LHD1	5.5970e-003	5.6090e-003
tblVehicleEF	LHD1	0.01	5.6460e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.19
tblVehicleEF	LHD1	0.83	0.64
tblVehicleEF	LHD1	2.81	1.15
tblVehicleEF	LHD1	8.92	8.88
tblVehicleEF	LHD1	603.81	667.03
tblVehicleEF	LHD1	33.34	12.50
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.94	0.62
tblVehicleEF	LHD1	1.01	0.34
tblVehicleEF	LHD1	8.2600e-004	7.5000e-004
tblVehicleEF	LHD1	0.01	9.6680e-003
tblVehicleEF	LHD1	9.1270e-003	6.2840e-003
tblVehicleEF	LHD1	1.0140e-003	2.8500e-004
tblVehicleEF	LHD1	7.9000e-004	7.1700e-004
tblVehicleEF	LHD1	2.5160e-003	2.4170e-003
tblVehicleEF	LHD1	8.7050e-003	5.9830e-003
tblVehicleEF	LHD1	9.3300e-004	2.6200e-004
tblVehicleEF	LHD1	3.3080e-003	2.6900e-003
tblVehicleEF	LHD1	0.12	0.09
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.8850e-003	1.5400e-003
tblVehicleEF	LHD1	0.06	0.05

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Winter

tblVehicleEF	LHD1	0.33	0.60
tblVehicleEF	LHD1	0.27	0.08
tblVehicleEF	LHD1	9.0000e-005	8.6000e-005
tblVehicleEF	LHD1	5.9300e-003	6.5150e-003
tblVehicleEF	LHD1	3.8600e-004	1.2400e-004
tblVehicleEF	LHD1	3.3080e-003	2.6900e-003
tblVehicleEF	LHD1	0.12	0.09
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.8850e-003	1.5400e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.33	0.60
tblVehicleEF	LHD1	0.29	0.09
tblVehicleEF	LHD2	4.0020e-003	3.9440e-003
tblVehicleEF	LHD2	4.2980e-003	3.9460e-003
tblVehicleEF	LHD2	8.5190e-003	0.01
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.34	0.44
tblVehicleEF	LHD2	1.37	0.77
tblVehicleEF	LHD2	13.57	13.40
tblVehicleEF	LHD2	617.83	668.37
tblVehicleEF	LHD2	27.88	9.65
tblVehicleEF	LHD2	0.09	0.08
tblVehicleEF	LHD2	0.65	0.81
tblVehicleEF	LHD2	0.55	0.23
tblVehicleEF	LHD2	1.1620e-003	1.2440e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8510e-003	9.8680e-003

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Winter

tblVehicleEF	LHD2	4.6900e-004	1.6300e-004
tblVehicleEF	LHD2	1.1110e-003	1.1900e-003
tblVehicleEF	LHD2	2.6540e-003	2.6300e-003
tblVehicleEF	LHD2	8.4540e-003	9.4240e-003
tblVehicleEF	LHD2	4.3100e-004	1.5000e-004
tblVehicleEF	LHD2	1.1380e-003	1.5770e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.4500e-004	9.7800e-004
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.08	0.35
tblVehicleEF	LHD2	0.11	0.06
tblVehicleEF	LHD2	1.3300e-004	1.2900e-004
tblVehicleEF	LHD2	6.0210e-003	6.4710e-003
tblVehicleEF	LHD2	3.0400e-004	9.5000e-005
tblVehicleEF	LHD2	1.1380e-003	1.5770e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.4500e-004	9.7800e-004
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.08	0.35
tblVehicleEF	LHD2	0.13	0.06
tblVehicleEF	LHD2	4.0020e-003	3.9530e-003
tblVehicleEF	LHD2	4.3570e-003	3.9910e-003
tblVehicleEF	LHD2	8.2260e-003	0.01
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.35	0.44

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Winter

tblVehicleEF	LHD2	1.31	0.74
tblVehicleEF	LHD2	13.57	13.40
tblVehicleEF	LHD2	617.83	668.38
tblVehicleEF	LHD2	27.88	9.59
tblVehicleEF	LHD2	0.09	0.08
tblVehicleEF	LHD2	0.61	0.76
tblVehicleEF	LHD2	0.53	0.22
tblVehicleEF	LHD2	1.1620e-003	1.2440e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8510e-003	9.8680e-003
tblVehicleEF	LHD2	4.6900e-004	1.6300e-004
tblVehicleEF	LHD2	1.1110e-003	1.1900e-003
tblVehicleEF	LHD2	2.6540e-003	2.6300e-003
tblVehicleEF	LHD2	8.4540e-003	9.4240e-003
tblVehicleEF	LHD2	4.3100e-004	1.5000e-004
tblVehicleEF	LHD2	1.6960e-003	2.3210e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.0400e-003	1.3550e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.08	0.34
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	1.3300e-004	1.2900e-004
tblVehicleEF	LHD2	6.0210e-003	6.4710e-003
tblVehicleEF	LHD2	3.0300e-004	9.5000e-005
tblVehicleEF	LHD2	1.6960e-003	2.3210e-003
tblVehicleEF	LHD2	0.04	0.06

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Winter

tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.0400e-003	1.3550e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.08	0.34
tblVehicleEF	LHD2	0.12	0.06
tblVehicleEF	LHD2	4.0020e-003	3.9420e-003
tblVehicleEF	LHD2	4.2820e-003	3.9330e-003
tblVehicleEF	LHD2	8.5780e-003	0.01
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.34	0.43
tblVehicleEF	LHD2	1.38	0.78
tblVehicleEF	LHD2	13.57	13.40
tblVehicleEF	LHD2	617.83	668.37
tblVehicleEF	LHD2	27.88	9.66
tblVehicleEF	LHD2	0.09	0.08
tblVehicleEF	LHD2	0.64	0.80
tblVehicleEF	LHD2	0.56	0.24
tblVehicleEF	LHD2	1.1620e-003	1.2440e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8510e-003	9.8680e-003
tblVehicleEF	LHD2	4.6900e-004	1.6300e-004
tblVehicleEF	LHD2	1.1110e-003	1.1900e-003
tblVehicleEF	LHD2	2.6540e-003	2.6300e-003
tblVehicleEF	LHD2	8.4540e-003	9.4240e-003
tblVehicleEF	LHD2	4.3100e-004	1.5000e-004
tblVehicleEF	LHD2	1.1610e-003	1.6340e-003
tblVehicleEF	LHD2	0.04	0.06

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Winter

tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.2300e-004	9.5000e-004
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.09	0.39
tblVehicleEF	LHD2	0.12	0.06
tblVehicleEF	LHD2	1.3300e-004	1.2900e-004
tblVehicleEF	LHD2	6.0210e-003	6.4710e-003
tblVehicleEF	LHD2	3.0400e-004	9.6000e-005
tblVehicleEF	LHD2	1.1610e-003	1.6340e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.2300e-004	9.5000e-004
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.09	0.39
tblVehicleEF	LHD2	0.13	0.06
tblVehicleEF	MCY	0.54	0.38
tblVehicleEF	MCY	0.15	0.23
tblVehicleEF	MCY	18.94	19.11
tblVehicleEF	MCY	9.66	8.52
tblVehicleEF	MCY	188.92	223.68
tblVehicleEF	MCY	44.52	59.56
tblVehicleEF	MCY	1.13	1.13
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	2.4360e-003	2.4430e-003
tblVehicleEF	MCY	3.8630e-003	3.2940e-003
tblVehicleEF	MCY	2.2770e-003	2.2830e-003
tblVehicleEF	MCY	3.6360e-003	3.1000e-003

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Winter

tblVehicleEF	MCY	1.06	1.08
tblVehicleEF	MCY	0.63	0.65
tblVehicleEF	MCY	0.65	0.66
tblVehicleEF	MCY	2.60	2.61
tblVehicleEF	MCY	0.60	1.98
tblVehicleEF	MCY	2.05	1.81
tblVehicleEF	MCY	2.2780e-003	2.2130e-003
tblVehicleEF	MCY	6.6300e-004	5.8900e-004
tblVehicleEF	MCY	1.06	1.08
tblVehicleEF	MCY	0.63	0.65
tblVehicleEF	MCY	0.65	0.66
tblVehicleEF	MCY	3.23	3.25
tblVehicleEF	MCY	0.60	1.98
tblVehicleEF	MCY	2.23	1.97
tblVehicleEF	MCY	0.53	0.37
tblVehicleEF	MCY	0.13	0.21
tblVehicleEF	MCY	18.24	18.37
tblVehicleEF	MCY	8.82	7.76
tblVehicleEF	MCY	188.92	222.28
tblVehicleEF	MCY	44.52	57.67
tblVehicleEF	MCY	0.99	0.99
tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	2.4360e-003	2.4430e-003
tblVehicleEF	MCY	3.8630e-003	3.2940e-003
tblVehicleEF	MCY	2.2770e-003	2.2830e-003
tblVehicleEF	MCY	3.6360e-003	3.1000e-003
tblVehicleEF	MCY	1.73	1.72

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Winter

tblVehicleEF	MCY	0.70	0.71
tblVehicleEF	MCY	1.07	1.07
tblVehicleEF	MCY	2.54	2.55
tblVehicleEF	MCY	0.56	1.86
tblVehicleEF	MCY	1.83	1.61
tblVehicleEF	MCY	2.2650e-003	2.2000e-003
tblVehicleEF	MCY	6.4300e-004	5.7100e-004
tblVehicleEF	MCY	1.73	1.72
tblVehicleEF	MCY	0.70	0.71
tblVehicleEF	MCY	1.07	1.07
tblVehicleEF	MCY	3.16	3.17
tblVehicleEF	MCY	0.56	1.86
tblVehicleEF	MCY	1.99	1.75
tblVehicleEF	MCY	0.54	0.38
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	19.04	19.25
tblVehicleEF	MCY	9.80	8.66
tblVehicleEF	MCY	188.92	223.96
tblVehicleEF	MCY	44.52	59.94
tblVehicleEF	MCY	1.11	1.11
tblVehicleEF	MCY	0.31	0.27
tblVehicleEF	MCY	2.4360e-003	2.4430e-003
tblVehicleEF	MCY	3.8630e-003	3.2940e-003
tblVehicleEF	MCY	2.2770e-003	2.2830e-003
tblVehicleEF	MCY	3.6360e-003	3.1000e-003
tblVehicleEF	MCY	1.16	1.18
tblVehicleEF	MCY	0.82	0.84

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Winter

tblVehicleEF	MCY	0.62	0.64
tblVehicleEF	MCY	2.61	2.63
tblVehicleEF	MCY	0.69	2.28
tblVehicleEF	MCY	2.09	1.86
tblVehicleEF	MCY	2.2800e-003	2.2160e-003
tblVehicleEF	MCY	6.6700e-004	5.9300e-004
tblVehicleEF	MCY	1.16	1.18
tblVehicleEF	MCY	0.82	0.84
tblVehicleEF	MCY	0.62	0.64
tblVehicleEF	MCY	3.25	3.26
tblVehicleEF	MCY	0.69	2.28
tblVehicleEF	MCY	2.28	2.02
tblVehicleEF	MDV	0.01	6.5350e-003
tblVehicleEF	MDV	0.01	0.08
tblVehicleEF	MDV	1.33	1.22
tblVehicleEF	MDV	2.48	3.10
tblVehicleEF	MDV	512.22	421.49
tblVehicleEF	MDV	103.14	83.59
tblVehicleEF	MDV	0.15	0.11
tblVehicleEF	MDV	0.22	0.34
tblVehicleEF	MDV	2.3560e-003	2.0880e-003
tblVehicleEF	MDV	2.5140e-003	2.0610e-003
tblVehicleEF	MDV	2.1720e-003	1.9250e-003
tblVehicleEF	MDV	2.3120e-003	1.8950e-003
tblVehicleEF	MDV	0.07	0.08
tblVehicleEF	MDV	0.15	0.14
tblVehicleEF	MDV	0.07	0.09

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Winter

tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.09	0.43
tblVehicleEF	MDV	0.19	0.40
tblVehicleEF	MDV	5.1310e-003	4.1410e-003
tblVehicleEF	MDV	1.0750e-003	8.2200e-004
tblVehicleEF	MDV	0.07	0.08
tblVehicleEF	MDV	0.15	0.14
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.09	0.43
tblVehicleEF	MDV	0.21	0.44
tblVehicleEF	MDV	0.01	6.9310e-003
tblVehicleEF	MDV	0.01	0.07
tblVehicleEF	MDV	1.45	1.32
tblVehicleEF	MDV	2.12	2.63
tblVehicleEF	MDV	534.67	433.96
tblVehicleEF	MDV	103.14	82.70
tblVehicleEF	MDV	0.13	0.10
tblVehicleEF	MDV	0.20	0.32
tblVehicleEF	MDV	2.3560e-003	2.0880e-003
tblVehicleEF	MDV	2.5140e-003	2.0610e-003
tblVehicleEF	MDV	2.1720e-003	1.9250e-003
tblVehicleEF	MDV	2.3120e-003	1.8950e-003
tblVehicleEF	MDV	0.10	0.13
tblVehicleEF	MDV	0.16	0.14
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.04	0.03

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Winter

tblVehicleEF	MDV	0.08	0.40
tblVehicleEF	MDV	0.17	0.36
tblVehicleEF	MDV	5.3570e-003	4.2630e-003
tblVehicleEF	MDV	1.0680e-003	8.1300e-004
tblVehicleEF	MDV	0.10	0.13
tblVehicleEF	MDV	0.16	0.15
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.08	0.40
tblVehicleEF	MDV	0.18	0.39
tblVehicleEF	MDV	0.01	6.4070e-003
tblVehicleEF	MDV	0.01	0.08
tblVehicleEF	MDV	1.29	1.18
tblVehicleEF	MDV	2.56	3.21
tblVehicleEF	MDV	503.99	416.89
tblVehicleEF	MDV	103.14	83.79
tblVehicleEF	MDV	0.14	0.11
tblVehicleEF	MDV	0.22	0.35
tblVehicleEF	MDV	2.3560e-003	2.0880e-003
tblVehicleEF	MDV	2.5140e-003	2.0610e-003
tblVehicleEF	MDV	2.1720e-003	1.9250e-003
tblVehicleEF	MDV	2.3120e-003	1.8950e-003
tblVehicleEF	MDV	0.06	0.08
tblVehicleEF	MDV	0.16	0.15
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.10	0.50

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Winter

tblVehicleEF	MDV	0.19	0.41
tblVehicleEF	MDV	5.0480e-003	4.0950e-003
tblVehicleEF	MDV	1.0760e-003	8.2400e-004
tblVehicleEF	MDV	0.06	0.08
tblVehicleEF	MDV	0.16	0.15
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.10	0.50
tblVehicleEF	MDV	0.21	0.45
tblVehicleEF	MH	0.03	3.1210e-003
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	2.24	0.27
tblVehicleEF	MH	5.78	0.00
tblVehicleEF	MH	1,130.03	965.33
tblVehicleEF	MH	60.43	0.00
tblVehicleEF	MH	1.08	3.43
tblVehicleEF	MH	0.80	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.02	0.07
tblVehicleEF	MH	1.1280e-003	0.00
tblVehicleEF	MH	3.2020e-003	4.0000e-003
tblVehicleEF	MH	0.02	0.07
tblVehicleEF	MH	1.0370e-003	0.00
tblVehicleEF	MH	0.95	0.00
tblVehicleEF	MH	0.07	0.00
tblVehicleEF	MH	0.41	0.00
tblVehicleEF	MH	0.09	0.07

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Winter

tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.33	0.00
tblVehicleEF	MH	0.01	9.1260e-003
tblVehicleEF	MH	7.0500e-004	0.00
tblVehicleEF	MH	0.95	0.00
tblVehicleEF	MH	0.07	0.00
tblVehicleEF	MH	0.41	0.00
tblVehicleEF	MH	0.12	0.08
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.36	0.00
tblVehicleEF	MH	0.03	3.1210e-003
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	2.30	0.27
tblVehicleEF	MH	5.44	0.00
tblVehicleEF	MH	1,130.03	965.33
tblVehicleEF	MH	60.43	0.00
tblVehicleEF	MH	0.99	3.24
tblVehicleEF	MH	0.76	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.02	0.07
tblVehicleEF	MH	1.1280e-003	0.00
tblVehicleEF	MH	3.2020e-003	4.0000e-003
tblVehicleEF	MH	0.02	0.07
tblVehicleEF	MH	1.0370e-003	0.00
tblVehicleEF	MH	1.41	0.00
tblVehicleEF	MH	0.07	0.00
tblVehicleEF	MH	0.58	0.00

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Winter

tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.31	0.00
tblVehicleEF	MH	0.01	9.1260e-003
tblVehicleEF	MH	6.9900e-004	0.00
tblVehicleEF	MH	1.41	0.00
tblVehicleEF	MH	0.07	0.00
tblVehicleEF	MH	0.58	0.00
tblVehicleEF	MH	0.12	0.08
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.34	0.00
tblVehicleEF	MH	0.03	3.1210e-003
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	2.22	0.27
tblVehicleEF	MH	5.83	0.00
tblVehicleEF	MH	1,130.03	965.33
tblVehicleEF	MH	60.43	0.00
tblVehicleEF	MH	1.06	3.37
tblVehicleEF	MH	0.80	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.02	0.07
tblVehicleEF	MH	1.1280e-003	0.00
tblVehicleEF	MH	3.2020e-003	4.0000e-003
tblVehicleEF	MH	0.02	0.07
tblVehicleEF	MH	1.0370e-003	0.00
tblVehicleEF	MH	1.08	0.00
tblVehicleEF	MH	0.08	0.00

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Winter

tblVehicleEF	MH	0.42	0.00
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.33	0.00
tblVehicleEF	MH	0.01	9.1260e-003
tblVehicleEF	MH	7.0600e-004	0.00
tblVehicleEF	MH	1.08	0.00
tblVehicleEF	MH	0.08	0.00
tblVehicleEF	MH	0.42	0.00
tblVehicleEF	MH	0.12	0.08
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.36	0.00
tblVehicleEF	MHD	0.02	4.4240e-003
tblVehicleEF	MHD	4.8560e-003	4.6020e-003
tblVehicleEF	MHD	0.05	0.01
tblVehicleEF	MHD	0.37	0.39
tblVehicleEF	MHD	0.37	0.47
tblVehicleEF	MHD	6.14	1.44
tblVehicleEF	MHD	132.92	67.32
tblVehicleEF	MHD	1,150.98	1,070.87
tblVehicleEF	MHD	63.58	12.17
tblVehicleEF	MHD	0.49	0.47
tblVehicleEF	MHD	1.14	1.63
tblVehicleEF	MHD	9.96	1.29
tblVehicleEF	MHD	2.4800e-004	1.0730e-003
tblVehicleEF	MHD	5.1090e-003	0.03
tblVehicleEF	MHD	8.4300e-004	1.3800e-004

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Winter

tblVehicleEF	MHD	2.3800e-004	1.0270e-003
tblVehicleEF	MHD	4.8830e-003	0.03
tblVehicleEF	MHD	7.7600e-004	1.2700e-004
tblVehicleEF	MHD	1.1350e-003	6.6800e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	7.4200e-004	4.3000e-004
tblVehicleEF	MHD	0.05	0.06
tblVehicleEF	MHD	0.02	0.14
tblVehicleEF	MHD	0.37	0.07
tblVehicleEF	MHD	1.2810e-003	6.4000e-004
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.4300e-004	1.2000e-004
tblVehicleEF	MHD	1.1350e-003	6.6800e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	7.4200e-004	4.3000e-004
tblVehicleEF	MHD	0.05	0.07
tblVehicleEF	MHD	0.02	0.14
tblVehicleEF	MHD	0.41	0.07
tblVehicleEF	MHD	0.02	4.1930e-003
tblVehicleEF	MHD	4.9280e-003	4.6540e-003
tblVehicleEF	MHD	0.05	0.01
tblVehicleEF	MHD	0.27	0.32
tblVehicleEF	MHD	0.38	0.48
tblVehicleEF	MHD	5.83	1.36
tblVehicleEF	MHD	140.78	68.14

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Winter

tblVehicleEF	MHD	1,150.98	1,070.88
tblVehicleEF	MHD	63.58	12.05
tblVehicleEF	MHD	0.51	0.48
tblVehicleEF	MHD	1.08	1.54
tblVehicleEF	MHD	9.92	1.28
tblVehicleEF	MHD	2.0900e-004	9.0700e-004
tblVehicleEF	MHD	5.1090e-003	0.03
tblVehicleEF	MHD	8.4300e-004	1.3800e-004
tblVehicleEF	MHD	2.0000e-004	8.6800e-004
tblVehicleEF	MHD	4.8830e-003	0.03
tblVehicleEF	MHD	7.7600e-004	1.2700e-004
tblVehicleEF	MHD	1.7000e-003	9.9300e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	1.0480e-003	6.0400e-004
tblVehicleEF	MHD	0.05	0.06
tblVehicleEF	MHD	0.02	0.14
tblVehicleEF	MHD	0.36	0.06
tblVehicleEF	MHD	1.3550e-003	6.4800e-004
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.3800e-004	1.1900e-004
tblVehicleEF	MHD	1.7000e-003	9.9300e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	1.0480e-003	6.0400e-004
tblVehicleEF	MHD	0.06	0.07
tblVehicleEF	MHD	0.02	0.14

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Winter

tblVehicleEF	MHD	0.39	0.07
tblVehicleEF	MHD	0.02	4.7550e-003
tblVehicleEF	MHD	4.8360e-003	4.5850e-003
tblVehicleEF	MHD	0.05	0.01
tblVehicleEF	MHD	0.52	0.49
tblVehicleEF	MHD	0.37	0.47
tblVehicleEF	MHD	6.20	1.45
tblVehicleEF	MHD	122.05	66.18
tblVehicleEF	MHD	1,150.98	1,070.87
tblVehicleEF	MHD	63.58	12.19
tblVehicleEF	MHD	0.47	0.47
tblVehicleEF	MHD	1.12	1.60
tblVehicleEF	MHD	9.97	1.29
tblVehicleEF	MHD	3.0200e-004	1.3020e-003
tblVehicleEF	MHD	5.1090e-003	0.03
tblVehicleEF	MHD	8.4300e-004	1.3800e-004
tblVehicleEF	MHD	2.8900e-004	1.2460e-003
tblVehicleEF	MHD	4.8830e-003	0.03
tblVehicleEF	MHD	7.7600e-004	1.2700e-004
tblVehicleEF	MHD	1.1690e-003	6.9100e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	7.2400e-004	4.2100e-004
tblVehicleEF	MHD	0.05	0.06
tblVehicleEF	MHD	0.02	0.16
tblVehicleEF	MHD	0.38	0.07
tblVehicleEF	MHD	1.1790e-003	6.2900e-004

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Winter

tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.4400e-004	1.2100e-004
tblVehicleEF	MHD	1.1690e-003	6.9100e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	7.2400e-004	4.2100e-004
tblVehicleEF	MHD	0.05	0.07
tblVehicleEF	MHD	0.02	0.16
tblVehicleEF	MHD	0.41	0.07
tblVehicleEF	OBUS	0.01	8.4750e-003
tblVehicleEF	OBUS	7.7220e-003	6.9630e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.28	0.60
tblVehicleEF	OBUS	0.53	0.78
tblVehicleEF	OBUS	5.41	2.39
tblVehicleEF	OBUS	112.13	94.21
tblVehicleEF	OBUS	1,260.49	1,391.50
tblVehicleEF	OBUS	67.92	19.24
tblVehicleEF	OBUS	0.51	0.46
tblVehicleEF	OBUS	1.55	1.57
tblVehicleEF	OBUS	2.60	0.75
tblVehicleEF	OBUS	1.1400e-004	7.8900e-004
tblVehicleEF	OBUS	7.4300e-003	0.02
tblVehicleEF	OBUS	8.0700e-004	1.9700e-004
tblVehicleEF	OBUS	1.0900e-004	7.5500e-004
tblVehicleEF	OBUS	7.0930e-003	0.02
tblVehicleEF	OBUS	7.4200e-004	1.8100e-004

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Winter

tblVehicleEF	OBUS	1.4340e-003	1.8390e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	7.6800e-004	9.4100e-004
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	0.04	0.26
tblVehicleEF	OBUS	0.34	0.11
tblVehicleEF	OBUS	1.0820e-003	8.9600e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.7400e-004	1.9000e-004
tblVehicleEF	OBUS	1.4340e-003	1.8390e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	7.6800e-004	9.4100e-004
tblVehicleEF	OBUS	0.08	0.08
tblVehicleEF	OBUS	0.04	0.26
tblVehicleEF	OBUS	0.37	0.13
tblVehicleEF	OBUS	0.01	8.5340e-003
tblVehicleEF	OBUS	7.8490e-003	7.0850e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.27	0.58
tblVehicleEF	OBUS	0.54	0.80
tblVehicleEF	OBUS	5.11	2.26
tblVehicleEF	OBUS	117.81	94.08
tblVehicleEF	OBUS	1,260.49	1,391.52
tblVehicleEF	OBUS	67.92	19.02
tblVehicleEF	OBUS	0.53	0.45

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Winter

tblVehicleEF	OBUS	1.46	1.48
tblVehicleEF	OBUS	2.57	0.74
tblVehicleEF	OBUS	9.6000e-005	6.7100e-004
tblVehicleEF	OBUS	7.4300e-003	0.02
tblVehicleEF	OBUS	8.0700e-004	1.9700e-004
tblVehicleEF	OBUS	9.2000e-005	6.4200e-004
tblVehicleEF	OBUS	7.0930e-003	0.02
tblVehicleEF	OBUS	7.4200e-004	1.8100e-004
tblVehicleEF	OBUS	2.1010e-003	2.6500e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	1.0830e-003	1.3070e-003
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	0.04	0.26
tblVehicleEF	OBUS	0.32	0.11
tblVehicleEF	OBUS	1.1360e-003	8.9500e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.6900e-004	1.8800e-004
tblVehicleEF	OBUS	2.1010e-003	2.6500e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	1.0830e-003	1.3070e-003
tblVehicleEF	OBUS	0.08	0.08
tblVehicleEF	OBUS	0.04	0.26
tblVehicleEF	OBUS	0.35	0.12
tblVehicleEF	OBUS	0.01	8.4130e-003
tblVehicleEF	OBUS	7.6880e-003	6.9290e-003

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Winter

tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.30	0.61
tblVehicleEF	OBUS	0.53	0.78
tblVehicleEF	OBUS	5.47	2.42
tblVehicleEF	OBUS	104.30	94.40
tblVehicleEF	OBUS	1,260.49	1,391.49
tblVehicleEF	OBUS	67.92	19.29
tblVehicleEF	OBUS	0.49	0.47
tblVehicleEF	OBUS	1.52	1.55
tblVehicleEF	OBUS	2.61	0.76
tblVehicleEF	OBUS	1.3900e-004	9.5300e-004
tblVehicleEF	OBUS	7.4300e-003	0.02
tblVehicleEF	OBUS	8.0700e-004	1.9700e-004
tblVehicleEF	OBUS	1.3300e-004	9.1200e-004
tblVehicleEF	OBUS	7.0930e-003	0.02
tblVehicleEF	OBUS	7.4200e-004	1.8100e-004
tblVehicleEF	OBUS	1.4690e-003	1.9220e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	7.4700e-004	9.2400e-004
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	0.04	0.28
tblVehicleEF	OBUS	0.34	0.12
tblVehicleEF	OBUS	1.0070e-003	8.9800e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.7500e-004	1.9100e-004
tblVehicleEF	OBUS	1.4690e-003	1.9220e-003

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Winter

tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.06	0.07
tblVehicleEF	OBUS	7.4700e-004	9.2400e-004
tblVehicleEF	OBUS	0.08	0.08
tblVehicleEF	OBUS	0.04	0.28
tblVehicleEF	OBUS	0.37	0.13
tblVehicleEF	SBUS	0.84	0.07
tblVehicleEF	SBUS	0.01	7.0600e-003
tblVehicleEF	SBUS	0.06	6.7770e-003
tblVehicleEF	SBUS	8.15	2.99
tblVehicleEF	SBUS	0.72	0.60
tblVehicleEF	SBUS	7.31	0.93
tblVehicleEF	SBUS	1,121.00	354.63
tblVehicleEF	SBUS	1,079.30	1,100.97
tblVehicleEF	SBUS	55.06	5.73
tblVehicleEF	SBUS	9.20	3.14
tblVehicleEF	SBUS	4.17	4.65
tblVehicleEF	SBUS	12.12	0.90
tblVehicleEF	SBUS	9.3410e-003	3.9540e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	8.1500e-004	5.5000e-005
tblVehicleEF	SBUS	8.9370e-003	3.7830e-003
tblVehicleEF	SBUS	2.6670e-003	2.6630e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	7.5000e-004	5.1000e-005
tblVehicleEF	SBUS	3.3650e-003	9.8900e-004

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Winter

tblVehicleEF	SBUS	0.03	8.5880e-003
tblVehicleEF	SBUS	0.97	0.34
tblVehicleEF	SBUS	1.7650e-003	5.2700e-004
tblVehicleEF	SBUS	0.10	0.09
tblVehicleEF	SBUS	0.01	0.06
tblVehicleEF	SBUS	0.38	0.04
tblVehicleEF	SBUS	0.01	3.3860e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.7700e-004	5.7000e-005
tblVehicleEF	SBUS	3.3650e-003	9.8900e-004
tblVehicleEF	SBUS	0.03	8.5880e-003
tblVehicleEF	SBUS	1.40	0.49
tblVehicleEF	SBUS	1.7650e-003	5.2700e-004
tblVehicleEF	SBUS	0.13	0.11
tblVehicleEF	SBUS	0.01	0.06
tblVehicleEF	SBUS	0.42	0.04
tblVehicleEF	SBUS	0.84	0.07
tblVehicleEF	SBUS	0.01	7.1400e-003
tblVehicleEF	SBUS	0.06	6.0470e-003
tblVehicleEF	SBUS	8.04	2.95
tblVehicleEF	SBUS	0.73	0.61
tblVehicleEF	SBUS	5.94	0.76
tblVehicleEF	SBUS	1,171.46	362.29
tblVehicleEF	SBUS	1,079.30	1,100.99
tblVehicleEF	SBUS	55.06	5.44
tblVehicleEF	SBUS	9.50	3.21
tblVehicleEF	SBUS	3.93	4.39

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Winter

tblVehicleEF	SBUS	12.09	0.90
tblVehicleEF	SBUS	7.8750e-003	3.3400e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	8.1500e-004	5.5000e-005
tblVehicleEF	SBUS	7.5340e-003	3.1960e-003
tblVehicleEF	SBUS	2.6670e-003	2.6630e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	7.5000e-004	5.1000e-005
tblVehicleEF	SBUS	4.9570e-003	1.4290e-003
tblVehicleEF	SBUS	0.03	8.7250e-003
tblVehicleEF	SBUS	0.97	0.34
tblVehicleEF	SBUS	2.5080e-003	7.3100e-004
tblVehicleEF	SBUS	0.10	0.09
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.34	0.03
tblVehicleEF	SBUS	0.01	3.4580e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.5400e-004	5.4000e-005
tblVehicleEF	SBUS	4.9570e-003	1.4290e-003
tblVehicleEF	SBUS	0.03	8.7250e-003
tblVehicleEF	SBUS	1.40	0.49
tblVehicleEF	SBUS	2.5080e-003	7.3100e-004
tblVehicleEF	SBUS	0.13	0.11
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.37	0.04
tblVehicleEF	SBUS	0.84	0.07

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Winter

tblVehicleEF	SBUS	0.01	7.0350e-003
tblVehicleEF	SBUS	0.07	6.9450e-003
tblVehicleEF	SBUS	8.31	3.04
tblVehicleEF	SBUS	0.72	0.60
tblVehicleEF	SBUS	7.56	0.96
tblVehicleEF	SBUS	1,051.30	344.05
tblVehicleEF	SBUS	1,079.30	1,100.97
tblVehicleEF	SBUS	55.06	5.78
tblVehicleEF	SBUS	8.80	3.05
tblVehicleEF	SBUS	4.10	4.57
tblVehicleEF	SBUS	12.13	0.90
tblVehicleEF	SBUS	0.01	4.8000e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	8.1500e-004	5.5000e-005
tblVehicleEF	SBUS	0.01	4.5930e-003
tblVehicleEF	SBUS	2.6670e-003	2.6630e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	7.5000e-004	5.1000e-005
tblVehicleEF	SBUS	3.4320e-003	1.0030e-003
tblVehicleEF	SBUS	0.03	9.0230e-003
tblVehicleEF	SBUS	0.98	0.34
tblVehicleEF	SBUS	1.6940e-003	5.0600e-004
tblVehicleEF	SBUS	0.10	0.09
tblVehicleEF	SBUS	0.02	0.07
tblVehicleEF	SBUS	0.39	0.04
tblVehicleEF	SBUS	0.01	3.2860e-003

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Winter

tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.8100e-004	5.7000e-005
tblVehicleEF	SBUS	3.4320e-003	1.0030e-003
tblVehicleEF	SBUS	0.03	9.0230e-003
tblVehicleEF	SBUS	1.41	0.49
tblVehicleEF	SBUS	1.6940e-003	5.0600e-004
tblVehicleEF	SBUS	0.13	0.11
tblVehicleEF	SBUS	0.02	0.07
tblVehicleEF	SBUS	0.43	0.04
tblVehicleEF	UBUS	2.61	5.85
tblVehicleEF	UBUS	0.05	0.01
tblVehicleEF	UBUS	11.22	45.42
tblVehicleEF	UBUS	8.87	0.71
tblVehicleEF	UBUS	1,968.89	1,991.58
tblVehicleEF	UBUS	96.56	8.61
tblVehicleEF	UBUS	9.98	0.47
tblVehicleEF	UBUS	15.36	0.08
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.13	3.1840e-003
tblVehicleEF	UBUS	1.0870e-003	4.6000e-005
tblVehicleEF	UBUS	0.26	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9690e-003
tblVehicleEF	UBUS	0.13	3.0430e-003
tblVehicleEF	UBUS	9.9900e-004	4.3000e-005
tblVehicleEF	UBUS	4.1440e-003	6.6500e-004
tblVehicleEF	UBUS	0.07	8.4730e-003

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Winter

tblVehicleEF	UBUS	2.3870e-003	4.9100e-004
tblVehicleEF	UBUS	0.85	0.09
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.68	0.05
tblVehicleEF	UBUS	9.8600e-003	1.4410e-003
tblVehicleEF	UBUS	1.1250e-003	8.5000e-005
tblVehicleEF	UBUS	4.1440e-003	6.6500e-004
tblVehicleEF	UBUS	0.07	8.4730e-003
tblVehicleEF	UBUS	2.3870e-003	4.9100e-004
tblVehicleEF	UBUS	3.56	5.97
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.74	0.05
tblVehicleEF	UBUS	2.61	5.85
tblVehicleEF	UBUS	0.05	0.01
tblVehicleEF	UBUS	11.27	45.42
tblVehicleEF	UBUS	7.69	0.63
tblVehicleEF	UBUS	1,968.89	1,991.58
tblVehicleEF	UBUS	96.56	8.46
tblVehicleEF	UBUS	9.41	0.47
tblVehicleEF	UBUS	15.31	0.08
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.13	3.1840e-003
tblVehicleEF	UBUS	1.0870e-003	4.6000e-005
tblVehicleEF	UBUS	0.26	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9690e-003
tblVehicleEF	UBUS	0.13	3.0430e-003

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Winter

tblVehicleEF	UBUS	9.9900e-004	4.3000e-005
tblVehicleEF	UBUS	5.9080e-003	9.6200e-004
tblVehicleEF	UBUS	0.07	8.7330e-003
tblVehicleEF	UBUS	3.2830e-003	6.7600e-004
tblVehicleEF	UBUS	0.86	0.09
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.62	0.04
tblVehicleEF	UBUS	9.8610e-003	1.4410e-003
tblVehicleEF	UBUS	1.1050e-003	8.4000e-005
tblVehicleEF	UBUS	5.9080e-003	9.6200e-004
tblVehicleEF	UBUS	0.07	8.7330e-003
tblVehicleEF	UBUS	3.2830e-003	6.7600e-004
tblVehicleEF	UBUS	3.57	5.97
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.68	0.05
tblVehicleEF	UBUS	2.61	5.85
tblVehicleEF	UBUS	0.05	0.01
tblVehicleEF	UBUS	11.21	45.42
tblVehicleEF	UBUS	9.08	0.73
tblVehicleEF	UBUS	1,968.89	1,991.58
tblVehicleEF	UBUS	96.56	8.64
tblVehicleEF	UBUS	9.79	0.47
tblVehicleEF	UBUS	15.38	0.09
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.13	3.1840e-003
tblVehicleEF	UBUS	1.0870e-003	4.6000e-005

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Winter

tblVehicleEF	UBUS	0.26	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9690e-003
tblVehicleEF	UBUS	0.13	3.0430e-003
tblVehicleEF	UBUS	9.9900e-004	4.3000e-005
tblVehicleEF	UBUS	4.7000e-003	6.4800e-004
tblVehicleEF	UBUS	0.08	9.0360e-003
tblVehicleEF	UBUS	2.5010e-003	4.6600e-004
tblVehicleEF	UBUS	0.85	0.09
tblVehicleEF	UBUS	0.03	0.07
tblVehicleEF	UBUS	0.69	0.05
tblVehicleEF	UBUS	9.8590e-003	1.4410e-003
tblVehicleEF	UBUS	1.1290e-003	8.5000e-005
tblVehicleEF	UBUS	4.7000e-003	6.4800e-004
tblVehicleEF	UBUS	0.08	9.0360e-003
tblVehicleEF	UBUS	2.5010e-003	4.6600e-004
tblVehicleEF	UBUS	3.55	5.97
tblVehicleEF	UBUS	0.03	0.07
tblVehicleEF	UBUS	0.75	0.05
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TTP	48.00	0.00
tblVehicleTrips	CC_TTP	28.00	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Winter

tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	13.00	0.00
tblVehicleTrips	CNW_TTP	41.00	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TTP	33.00	0.00
tblVehicleTrips	CW_TTP	59.00	0.00
tblVehicleTrips	CW_TTP	59.00	0.00
tblVehicleTrips	DV_TP	28.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	6.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	66.00	0.00
tblVehicleTrips	PR_TP	92.00	0.00
tblVehicleTrips	PR_TP	92.00	0.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	1.32	0.00
tblVehicleTrips	ST_TR	1.68	0.00
tblVehicleTrips	SU_TR	16.74	0.00

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Winter

tblVehicleTrips	SU_TR	0.68	0.00
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	6.97	0.00
tblVehicleTrips	WD_TR	1.68	0.00
tblWater	IndoorWaterUseRate	14,291,250.00	0.00
tblWater	IndoorWaterUseRate	14,291,250.00	0.00
tblWater	OutdoorWaterUseRate	965,099.89	0.00

2.0 Emissions Summary

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Winter

2.1 Overall Construction (Maximum Daily Emission)**Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	5.4350	61.0386	27.8100	0.0714	23.5828	2.6480	26.2308	10.5603	2.4362	12.9965	0.0000	7,027.5098	7,027.5098	1.7955	0.0000	7,058.8023
2022	30.4967	36.5975	27.5366	0.0777	2.3416	1.4078	3.7494	0.6280	1.3211	1.9491	0.0000	7,640.5700	7,640.5700	1.2715	0.0000	7,672.3566
Maximum	30.4967	61.0386	27.8100	0.0777	23.5828	2.6480	26.2308	10.5603	2.4362	12.9965	0.0000	7,640.5700	7,640.5700	1.7955	0.0000	7,672.3566

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	5.4350	61.0386	27.8100	0.0714	9.3278	2.6480	11.9759	4.1533	2.4362	6.5895	0.0000	7,027.5098	7,027.5098	1.7955	0.0000	7,058.8023
2022	30.4967	36.5975	27.5366	0.0777	2.3416	1.4078	3.7494	0.6280	1.3211	1.9491	0.0000	7,640.5700	7,640.5700	1.2715	0.0000	7,672.3566
Maximum	30.4967	61.0386	27.8100	0.0777	9.3278	2.6480	11.9759	4.1533	2.4362	6.5895	0.0000	7,640.5700	7,640.5700	1.7955	0.0000	7,672.3566

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	54.99	0.00	47.55	57.27	0.00	42.87	0.00	0.00	0.00	0.00	0.00	0.00

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Winter

2.2 Overall Operational**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	5.2500e-003	5.2000e-004	0.0565	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1209	0.1209	3.2000e-004		0.1288
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	5.2500e-003	5.2000e-004	0.0565	0.0000	0.0000	2.0000e-004	2.0000e-004	0.0000	2.0000e-004	2.0000e-004		0.1209	0.1209	3.2000e-004	0.0000	0.1288

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	5.2500e-003	5.2000e-004	0.0565	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1209	0.1209	3.2000e-004		0.1288
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	5.2500e-003	5.2000e-004	0.0565	0.0000	0.0000	2.0000e-004	2.0000e-004	0.0000	2.0000e-004	2.0000e-004		0.1209	0.1209	3.2000e-004	0.0000	0.1288

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	10/4/2021	10/29/2021	5	20	
2	Site Preparation	Site Preparation	10/30/2021	11/12/2021	5	10	
3	Grading	Grading	11/13/2021	12/10/2021	5	20	
4	Building Construction	Building Construction	12/11/2021	10/28/2022	5	230	
5	Architectural Coating	Architectural Coating	10/1/2022	11/25/2022	5	40	
6	Paving	Paving	10/29/2022	11/25/2022	5	20	

Acres of Grading (Site Preparation Phase): 50**Acres of Grading (Grading Phase): 100****Acres of Paving: 2.65****Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 185,393; Non-Residential Outdoor: 61,798; Striped Parking Area: 12,134 (Architectural Coating – sqft)****OffRoad Equipment**

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Crushing/Proc. Equipment	1	8.00	85	0.78
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Crawler Tractors	4	8.00	212	0.43
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Grading	Crawler Tractors	3	8.00	212	0.43
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Crawler Tractors	3	8.00	212	0.43
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	8.00	78	0.48
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38

Trips and VMT

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Winter

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	7	18.00	4.00	339.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	5.00	135.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	152.00	48.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	30.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.6722	0.0000	3.6722	0.5560	0.0000	0.5560			0.0000			0.0000
Off-Road	3.6773	34.9358	25.9044	0.0458		1.7595	1.7595		1.6492	1.6492		4,412.475 1	4,412.475 1	1.1005		4,439.987 6
Total	3.6773	34.9358	25.9044	0.0458	3.6722	1.7595	5.4317	0.5560	1.6492	2.2052		4,412.475 1	4,412.475 1	1.1005		4,439.987 6

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Winter

3.2 Demolition - 2021**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1447	4.6024	1.1305	0.0130	0.2964	0.0142	0.3105	0.0812	0.0136	0.0948		1,409.872 4	1,409.872 4	0.1008		1,412.392 3
Vendor	0.0128	0.3876	0.1123	1.0000e-003	0.0256	8.2000e-004	0.0264	7.3700e-003	7.8000e-004	8.1600e-003		106.9382	106.9382	6.9000e-003		107.1108
Worker	0.0858	0.0587	0.6629	1.9400e-003	0.2012	1.6300e-003	0.2028	0.0534	1.5000e-003	0.0549		193.0052	193.0052	5.6800e-003		193.1472
Total	0.2433	5.0487	1.9056	0.0159	0.5232	0.0166	0.5398	0.1420	0.0158	0.1578		1,709.815 8	1,709.815 8	0.1134		1,712.650 3

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.4322	0.0000	1.4322	0.2168	0.0000	0.2168			0.0000			0.0000
Off-Road	3.6773	34.9358	25.9044	0.0458		1.7595	1.7595		1.6492	1.6492	0.0000	4,412.475 1	4,412.475 1	1.1005		4,439.987 6
Total	3.6773	34.9358	25.9044	0.0458	1.4322	1.7595	3.1916	0.2168	1.6492	1.8661	0.0000	4,412.475 1	4,412.475 1	1.1005		4,439.987 6

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Winter

3.2 Demolition - 2021**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1447	4.6024	1.1305	0.0130	0.2964	0.0142	0.3105	0.0812	0.0136	0.0948		1,409.872 4	1,409.872 4	0.1008		1,412.392 3
Vendor	0.0128	0.3876	0.1123	1.0000e-003	0.0256	8.2000e-004	0.0264	7.3700e-003	7.8000e-004	8.1600e-003		106.9382	106.9382	6.9000e-003		107.1108
Worker	0.0858	0.0587	0.6629	1.9400e-003	0.2012	1.6300e-003	0.2028	0.0534	1.5000e-003	0.0549		193.0052	193.0052	5.6800e-003		193.1472
Total	0.2433	5.0487	1.9056	0.0159	0.5232	0.0166	0.5398	0.1420	0.0158	0.1578		1,709.815 8	1,709.815 8	0.1134		1,712.650 3

3.3 Site Preparation - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					23.3688	0.0000	23.3688	10.5032	0.0000	10.5032			0.0000			0.0000
Off-Road	5.3428	60.7861	21.8537	0.0570		2.6460	2.6460		2.4343	2.4343		5,523.504 7	5,523.504 7	1.7864		5,568.165 1
Total	5.3428	60.7861	21.8537	0.0570	23.3688	2.6460	26.0148	10.5032	2.4343	12.9376		5,523.504 7	5,523.504 7	1.7864		5,568.165 1

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Winter

3.3 Site Preparation - 2021**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	6.3800e-003	0.1938	0.0562	5.0000e-004	0.0128	4.1000e-004	0.0132	3.6900e-003	3.9000e-004	4.0800e-003		53.4691	53.4691	3.4500e-003		53.5554
Worker	0.0858	0.0587	0.6629	1.9400e-003	0.2012	1.6300e-003	0.2028	0.0534	1.5000e-003	0.0549		193.0052	193.0052	5.6800e-003		193.1472
Total	0.0922	0.2525	0.7190	2.4400e-003	0.2140	2.0400e-003	0.2160	0.0571	1.8900e-003	0.0589		246.4743	246.4743	9.1300e-003		246.7026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.1138	0.0000	9.1138	4.0963	0.0000	4.0963			0.0000			0.0000
Off-Road	5.3428	60.7861	21.8537	0.0570		2.6460	2.6460		2.4343	2.4343	0.0000	5,523.5047	5,523.5047	1.7864		5,568.1651
Total	5.3428	60.7861	21.8537	0.0570	9.1138	2.6460	11.7598	4.0963	2.4343	6.5306	0.0000	5,523.5047	5,523.5047	1.7864		5,568.1651

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Winter

3.3 Site Preparation - 2021**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	6.3800e-003	0.1938	0.0562	5.0000e-004	0.0128	4.1000e-004	0.0132	3.6900e-003	3.9000e-004	4.0800e-003		53.4691	53.4691	3.4500e-003		53.5554
Worker	0.0858	0.0587	0.6629	1.9400e-003	0.2012	1.6300e-003	0.2028	0.0534	1.5000e-003	0.0549		193.0052	193.0052	5.6800e-003		193.1472
Total	0.0922	0.2525	0.7190	2.4400e-003	0.2140	2.0400e-003	0.2160	0.0571	1.8900e-003	0.0589		246.4743	246.4743	9.1300e-003		246.7026

3.4 Grading - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					11.3307	0.0000	11.3307	3.8837	0.0000	3.8837			0.0000			0.0000
Off-Road	3.3813	39.9534	16.3820	0.0439		1.6111	1.6111		1.4822	1.4822		4,250.314 4	4,250.314 4	1.3746		4,284.680 3
Total	3.3813	39.9534	16.3820	0.0439	11.3307	1.6111	12.9417	3.8837	1.4822	5.3659		4,250.314 4	4,250.314 4	1.3746		4,284.680 3

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Winter

3.4 Grading - 2021**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0576	1.8328	0.4502	5.1700e-003	0.1180	5.6400e-003	0.1237	0.0324	5.4000e-003	0.0378		561.4536	561.4536	0.0401		562.4571
Vendor	0.0160	0.4844	0.1404	1.2500e-003	0.0320	1.0200e-003	0.0330	9.2200e-003	9.8000e-004	0.0102		133.6728	133.6728	8.6300e-003		133.8885
Worker	0.0715	0.0489	0.5524	1.6100e-003	0.1677	1.3500e-003	0.1690	0.0445	1.2500e-003	0.0457		160.8377	160.8377	4.7300e-003		160.9560
Total	0.1451	2.3662	1.1429	8.0300e-003	0.3177	8.0100e-003	0.3257	0.0860	7.6300e-003	0.0937		855.9640	855.9640	0.0535		857.3016

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.4190	0.0000	4.4190	1.5146	0.0000	1.5146			0.0000			0.0000
Off-Road	3.3813	39.9534	16.3820	0.0439		1.6111	1.6111		1.4822	1.4822	0.0000	4,250.314 4	4,250.314 4	1.3746		4,284.680 3
Total	3.3813	39.9534	16.3820	0.0439	4.4190	1.6111	6.0300	1.5146	1.4822	2.9968	0.0000	4,250.314 4	4,250.314 4	1.3746		4,284.680 3

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Winter

3.4 Grading - 2021**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0576	1.8328	0.4502	5.1700e-003	0.1180	5.6400e-003	0.1237	0.0324	5.4000e-003	0.0378		561.4536	561.4536	0.0401		562.4571
Vendor	0.0160	0.4844	0.1404	1.2500e-003	0.0320	1.0200e-003	0.0330	9.2200e-003	9.8000e-004	0.0102		133.6728	133.6728	8.6300e-003		133.8885
Worker	0.0715	0.0489	0.5524	1.6100e-003	0.1677	1.3500e-003	0.1690	0.0445	1.2500e-003	0.0457		160.8377	160.8377	4.7300e-003		160.9560
Total	0.1451	2.3662	1.1429	8.0300e-003	0.3177	8.0100e-003	0.3257	0.0860	7.6300e-003	0.0937		855.9640	855.9640	0.0535		857.3016

3.5 Building Construction - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.1137	33.9659	18.1952	0.0430		1.4763	1.4763		1.3775	1.3775		4,114.4297	4,114.4297	1.1209		4,142.4520
Total	3.1137	33.9659	18.1952	0.0430		1.4763	1.4763		1.3775	1.3775		4,114.4297	4,114.4297	1.1209		4,142.4520

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Winter

3.5 Building Construction - 2021**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1532	4.6507	1.3477	0.0120	0.3073	9.8300e-003	0.3171	0.0885	9.4100e-003	0.0979		1,283.2585	1,283.2585	0.0828		1,285.3296
Worker	0.7248	0.4957	5.5975	0.0164	1.6990	0.0137	1.7127	0.4506	0.0127	0.4632		1,629.8217	1,629.8217	0.0480		1,631.0206
Total	0.8779	5.1464	6.9452	0.0284	2.0063	0.0236	2.0299	0.5391	0.0221	0.5611		2,913.0802	2,913.0802	0.1308		2,916.3502

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.1137	33.9659	18.1952	0.0430		1.4763	1.4763		1.3775	1.3775	0.0000	4,114.4297	4,114.4297	1.1209		4,142.4520
Total	3.1137	33.9659	18.1952	0.0430		1.4763	1.4763		1.3775	1.3775	0.0000	4,114.4297	4,114.4297	1.1209		4,142.4520

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Winter

3.5 Building Construction - 2021**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1532	4.6507	1.3477	0.0120	0.3073	9.8300e-003	0.3171	0.0885	9.4100e-003	0.0979		1,283.2585	1,283.2585	0.0828		1,285.3296
Worker	0.7248	0.4957	5.5975	0.0164	1.6990	0.0137	1.7127	0.4506	0.0127	0.4632		1,629.8217	1,629.8217	0.0480		1,631.0206
Total	0.8779	5.1464	6.9452	0.0284	2.0063	0.0236	2.0299	0.5391	0.0221	0.5611		2,913.0802	2,913.0802	0.1308		2,916.3502

3.5 Building Construction - 2022**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7963	29.7637	17.6698	0.0430		1.2743	1.2743		1.1892	1.1892		4,110.5322	4,110.5322	1.1153		4,138.4135
Total	2.7963	29.7637	17.6698	0.0430		1.2743	1.2743		1.1892	1.1892		4,110.5322	4,110.5322	1.1153		4,138.4135

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Winter

3.5 Building Construction - 2022**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1438	4.4198	1.2757	0.0119	0.3073	8.6000e-003	0.3159	0.0885	8.2300e-003	0.0967		1,271.8573	1,271.8573	0.0799		1,273.8557
Worker	0.6807	0.4477	5.1555	0.0158	1.6990	0.0133	1.7123	0.4506	0.0123	0.4628		1,572.5456	1,572.5456	0.0433		1,573.6281
Total	0.8245	4.8675	6.4312	0.0277	2.0063	0.0219	2.0282	0.5391	0.0205	0.5595		2,844.4029	2,844.4029	0.1232		2,847.4837

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7963	29.7637	17.6698	0.0430		1.2743	1.2743		1.1892	1.1892	0.0000	4,110.5322	4,110.5322	1.1153		4,138.4135
Total	2.7963	29.7637	17.6698	0.0430		1.2743	1.2743		1.1892	1.1892	0.0000	4,110.5322	4,110.5322	1.1153		4,138.4135

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Winter

3.5 Building Construction - 2022**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1438	4.4198	1.2757	0.0119	0.3073	8.6000e-003	0.3159	0.0885	8.2300e-003	0.0967		1,271.8573	1,271.8573	0.0799		1,273.8557
Worker	0.6807	0.4477	5.1555	0.0158	1.6990	0.0133	1.7123	0.4506	0.0123	0.4628		1,572.5456	1,572.5456	0.0433		1,573.6281
Total	0.8245	4.8675	6.4312	0.0277	2.0063	0.0219	2.0282	0.5391	0.0205	0.5595		2,844.4029	2,844.4029	0.1232		2,847.4837

3.6 Architectural Coating - 2022**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	26.4689					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2727	1.8780	2.4181	3.9600e-003		0.1090	0.1090		0.1090	0.1090		375.2641	375.2641	0.0244		375.8749
Total	26.7416	1.8780	2.4181	3.9600e-003		0.1090	0.1090		0.1090	0.1090		375.2641	375.2641	0.0244		375.8749

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Winter

3.6 Architectural Coating - 2022**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1344	0.0884	1.0175	3.1100e-003	0.3353	2.6200e-003	0.3380	0.0889	2.4200e-003	0.0914		310.3708	310.3708	8.5500e-003		310.5845
Total	0.1344	0.0884	1.0175	3.1100e-003	0.3353	2.6200e-003	0.3380	0.0889	2.4200e-003	0.0914		310.3708	310.3708	8.5500e-003		310.5845

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	26.4689					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2727	1.8780	2.4181	3.9600e-003		0.1090	0.1090		0.1090	0.1090	0.0000	375.2641	375.2641	0.0244		375.8749
Total	26.7416	1.8780	2.4181	3.9600e-003		0.1090	0.1090		0.1090	0.1090	0.0000	375.2641	375.2641	0.0244		375.8749

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Winter

3.6 Architectural Coating - 2022**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1344	0.0884	1.0175	3.1100e-003	0.3353	2.6200e-003	0.3380	0.0889	2.4200e-003	0.0914		310.3708	310.3708	8.5500e-003		310.5845
Total	0.1344	0.0884	1.0175	3.1100e-003	0.3353	2.6200e-003	0.3380	0.0889	2.4200e-003	0.0914		310.3708	310.3708	8.5500e-003		310.5845

3.7 Paving - 2022**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.3472					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4500	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.6603	2,207.6603	0.7140		2,225.5104

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Winter

3.7 Paving - 2022**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0672	0.0442	0.5088	1.5600e-003	0.1677	1.3100e-003	0.1690	0.0445	1.2100e-003	0.0457		155.1854	155.1854	4.2700e-003		155.2922
Total	0.0672	0.0442	0.5088	1.5600e-003	0.1677	1.3100e-003	0.1690	0.0445	1.2100e-003	0.0457		155.1854	155.1854	4.2700e-003		155.2922

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.3472					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4500	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Winter

3.7 Paving - 2022**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0672	0.0442	0.5088	1.5600e-003	0.1677	1.3100e-003	0.1690	0.0445	1.2100e-003	0.0457		155.1854	155.1854	4.2700e-003		155.2922
Total	0.0672	0.0442	0.5088	1.5600e-003	0.1677	1.3100e-003	0.1690	0.0445	1.2100e-003	0.0457		155.1854	155.1854	4.2700e-003		155.2922

4.0 Operational Detail - Mobile**4.1 Mitigation Measures Mobile**

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
General Light Industry	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

[illegible]

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Winter

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
General Light Industry	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
Other Asphalt Surfaces	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
Parking Lot	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
Unrefrigerated Warehouse-No Rail	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Winter

5.2 Energy by Land Use - NaturalGas**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Light Industry	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Winter

5.2 Energy by Land Use - NaturalGas**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Light Industry	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail**6.1 Mitigation Measures Area**

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	5.2500e-003	5.2000e-004	0.0565	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1209	0.1209	3.2000e-004		0.1288
Unmitigated	5.2500e-003	5.2000e-004	0.0565	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1209	0.1209	3.2000e-004		0.1288

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.2500e-003	5.2000e-004	0.0565	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1209	0.1209	3.2000e-004		0.1288
Total	5.2500e-003	5.2000e-004	0.0565	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1209	0.1209	3.2000e-004		0.1288

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Winter

6.2 Area by SubCategory**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.2500e-003	5.2000e-004	0.0565	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1209	0.1209	3.2000e-004		0.1288
Total	5.2500e-003	5.2000e-004	0.0565	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1209	0.1209	3.2000e-004		0.1288

7.0 Water Detail**7.1 Mitigation Measures Water****8.0 Waste Detail****8.1 Mitigation Measures Waste****9.0 Operational Offroad**

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
----------------	--------	-----------	-----------	-------------	-------------	-----------

10.0 Stationary Equipment**Fire Pumps and Emergency Generators**

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Winter

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

APPENDIX 3.2:

CALEEMOD PROJECT OPERATIONAL EMISSIONS MODEL OUTPUTS

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San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Summer

San Francisco Avenue (Proposed Project Operations)

Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	61.80	1000sqft	1.42	61,798.00	0
User Defined Industrial	125.60	User Defined Unit	0.00	0.00	0
Other Asphalt Surfaces	51.84	1000sqft	1.19	51,836.00	0
Parking Lot	376.00	Space	1.46	58,572.00	0
City Park	0.81	Acre	0.81	35,405.00	0
Unrefrigerated Warehouse-No Rail	61.80	1000sqft	1.42	61,797.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9			Operational Year	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	564.66	CH4 Intensity (lb/MW hr)	0.023	N2O Intensity (lb/MW hr)	0.005

1.3 User Entered Comments & Non-Default Data

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Summer

Project Characteristics - Intensity factors adjusted to reflect the RPS for the 2022 Opening Year

Land Use - Total Project site is approximately 6.3 acres

Construction Phase - Operations run only

Off-road Equipment - Operations run only

Trips and VMT - Operations run only

Vehicle Trips - Trip characteristics based on information provided in the Traffic Assessment

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Energy Use - The Project will design building shells and building components to meet 2019 Title 24 Standards which expects 30% less energy for nonresidential uses

Operational Off-Road Equipment - Based on SCAQMD High Cube Warehouse Truck Trip Study White Paper Summary of Business Survey Results (2014)

Fleet Mix - Passenger Car Mix estimated based on the CalEEMod default fleet mix and the ratio of the vehicle classes (LDA, LDT1, LDT2, MDV, & MCY). Truck Mix based on information in the Traffic Analysis

Area Coating -

Water And Wastewater -

Solid Waste -

Table Name	Column Name	Default Value	New Value
tblEnergyUse	LightingElect	3.10	2.17
tblEnergyUse	T24E	2.25	1.58
tblEnergyUse	T24NG	13.65	9.56
tblFleetMix	HHD	0.03	0.00
tblFleetMix	HHD	0.03	0.62
tblFleetMix	HHD	0.03	0.00
tblFleetMix	LDA	0.55	0.59
tblFleetMix	LDA	0.55	0.00
tblFleetMix	LDA	0.55	0.59

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Summer

tblFleetMix	LDT1	0.04	0.05
tblFleetMix	LDT1	0.04	0.00
tblFleetMix	LDT1	0.04	0.05
tblFleetMix	LDT2	0.20	0.22
tblFleetMix	LDT2	0.20	0.00
tblFleetMix	LDT2	0.20	0.22
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD1	0.02	0.12
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD2	6.1960e-003	0.00
tblFleetMix	LHD2	6.1960e-003	0.05
tblFleetMix	LHD2	6.1960e-003	0.00
tblFleetMix	MCY	5.1420e-003	5.6000e-003
tblFleetMix	MCY	5.1420e-003	0.00
tblFleetMix	MCY	5.1420e-003	5.6000e-003
tblFleetMix	MDV	0.12	0.13
tblFleetMix	MDV	0.12	0.00
tblFleetMix	MDV	0.12	0.13
tblFleetMix	MH	8.7600e-004	0.00
tblFleetMix	MH	8.7600e-004	0.00
tblFleetMix	MH	8.7600e-004	0.00
tblFleetMix	MHD	0.02	0.00
tblFleetMix	MHD	0.02	0.21
tblFleetMix	MHD	0.02	0.00
tblFleetMix	OBUS	2.5150e-003	0.00
tblFleetMix	OBUS	2.5150e-003	0.00
tblFleetMix	OBUS	2.5150e-003	0.00

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Summer

tblFleetMix	SBUS	6.8700e-004	0.00
tblFleetMix	SBUS	6.8700e-004	0.00
tblFleetMix	SBUS	6.8700e-004	0.00
tblFleetMix	UBUS	2.2010e-003	0.00
tblFleetMix	UBUS	2.2010e-003	0.00
tblFleetMix	UBUS	2.2010e-003	0.00
tblLandUse	LandUseSquareFeet	51,840.00	51,836.00
tblLandUse	LandUseSquareFeet	150,400.00	58,572.00
tblLandUse	LandUseSquareFeet	35,283.60	35,405.00
tblLandUse	LotAcreage	3.38	1.46
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	365.00
tblOperationalOffRoadEquipment	OperFuelType	Diesel	CNG
tblOperationalOffRoadEquipment	OperHorsePower	97.00	200.00
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	4.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	2.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.023
tblProjectCharacteristics	CO2IntensityFactor	702.44	564.66
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.005
tblVehicleEF	HHD	0.62	0.03
tblVehicleEF	HHD	0.09	0.08
tblVehicleEF	HHD	0.08	1.0000e-006
tblVehicleEF	HHD	2.47	6.23
tblVehicleEF	HHD	1.15	0.58
tblVehicleEF	HHD	3.30	9.5390e-003

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Summer

tblVehicleEF	HHD	4,690.45	1,172.50
tblVehicleEF	HHD	1,639.83	1,482.70
tblVehicleEF	HHD	10.54	0.09
tblVehicleEF	HHD	20.39	6.32
tblVehicleEF	HHD	3.81	3.60
tblVehicleEF	HHD	19.54	2.06
tblVehicleEF	HHD	0.01	3.9370e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	8.7000e-005	2.0000e-006
tblVehicleEF	HHD	0.01	3.7670e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8380e-003	8.8970e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	8.0000e-005	1.0000e-006
tblVehicleEF	HHD	1.0500e-004	7.0000e-006
tblVehicleEF	HHD	4.6110e-003	2.7700e-004
tblVehicleEF	HHD	0.62	0.45
tblVehicleEF	HHD	7.9000e-005	5.0000e-006
tblVehicleEF	HHD	0.15	0.08
tblVehicleEF	HHD	3.9500e-004	1.5080e-003
tblVehicleEF	HHD	0.08	3.0000e-006
tblVehicleEF	HHD	0.04	0.01
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.6000e-004	1.0000e-006
tblVehicleEF	HHD	1.0500e-004	7.0000e-006

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Summer

tblVehicleEF	HHD	4.6110e-003	2.7700e-004
tblVehicleEF	HHD	0.72	0.52
tblVehicleEF	HHD	7.9000e-005	5.0000e-006
tblVehicleEF	HHD	0.25	0.17
tblVehicleEF	HHD	3.9500e-004	1.5080e-003
tblVehicleEF	HHD	0.09	3.0000e-006
tblVehicleEF	HHD	0.58	0.03
tblVehicleEF	HHD	0.10	0.08
tblVehicleEF	HHD	0.07	1.0000e-006
tblVehicleEF	HHD	1.80	6.09
tblVehicleEF	HHD	1.16	0.59
tblVehicleEF	HHD	3.13	9.0610e-003
tblVehicleEF	HHD	4,968.94	1,168.97
tblVehicleEF	HHD	1,639.83	1,482.70
tblVehicleEF	HHD	10.54	0.09
tblVehicleEF	HHD	21.04	6.13
tblVehicleEF	HHD	3.60	3.41
tblVehicleEF	HHD	19.53	2.06
tblVehicleEF	HHD	0.01	3.4420e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	8.7000e-005	2.0000e-006
tblVehicleEF	HHD	0.01	3.2930e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8380e-003	8.8970e-003
tblVehicleEF	HHD	0.01	0.03

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Summer

tblVehicleEF	HHD	8.0000e-005	1.0000e-006
tblVehicleEF	HHD	1.6000e-004	1.1000e-005
tblVehicleEF	HHD	4.7280e-003	2.8200e-004
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tblVehicleEF	HHD	1.1400e-004	8.0000e-006
tblVehicleEF	HHD	0.15	0.08
tblVehicleEF	HHD	3.8400e-004	1.4870e-003
tblVehicleEF	HHD	0.08	3.0000e-006
tblVehicleEF	HHD	0.05	0.01
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.5700e-004	1.0000e-006
tblVehicleEF	HHD	1.6000e-004	1.1000e-005
tblVehicleEF	HHD	4.7280e-003	2.8200e-004
tblVehicleEF	HHD	0.68	0.55
tblVehicleEF	HHD	1.1400e-004	8.0000e-006
tblVehicleEF	HHD	0.25	0.17
tblVehicleEF	HHD	3.8400e-004	1.4870e-003
tblVehicleEF	HHD	0.08	3.0000e-006
tblVehicleEF	HHD	0.67	0.02
tblVehicleEF	HHD	0.09	3.6360e-003
tblVehicleEF	HHD	0.08	1.0000e-006
tblVehicleEF	HHD	3.41	6.32
tblVehicleEF	HHD	1.15	0.38
tblVehicleEF	HHD	3.33	9.6340e-003
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tblVehicleEF	HHD	1,639.83	1,430.09
tblVehicleEF	HHD	10.54	0.09

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Summer

tblVehicleEF	HHD	19.48	6.47
tblVehicleEF	HHD	3.75	3.49
tblVehicleEF	HHD	19.55	2.06
tblVehicleEF	HHD	0.02	4.3710e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	8.7000e-005	2.0000e-006
tblVehicleEF	HHD	0.02	4.1820e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8380e-003	8.7580e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	8.0000e-005	1.0000e-006
tblVehicleEF	HHD	1.0300e-004	8.0000e-006
tblVehicleEF	HHD	4.9260e-003	3.1500e-004
tblVehicleEF	HHD	0.66	0.42
tblVehicleEF	HHD	7.7000e-005	5.0000e-006
tblVehicleEF	HHD	0.15	0.08
tblVehicleEF	HHD	4.2900e-004	1.6010e-003
tblVehicleEF	HHD	0.08	3.0000e-006
tblVehicleEF	HHD	0.04	0.01
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.6000e-004	1.0000e-006
tblVehicleEF	HHD	1.0300e-004	8.0000e-006
tblVehicleEF	HHD	4.9260e-003	3.1500e-004
tblVehicleEF	HHD	0.78	0.48
tblVehicleEF	HHD	7.7000e-005	5.0000e-006

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Summer

tblVehicleEF	HHD	0.25	0.09
tblVehicleEF	HHD	4.2900e-004	1.6010e-003
tblVehicleEF	HHD	0.09	3.0000e-006
tblVehicleEF	LDA	5.3420e-003	3.0240e-003
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tblVehicleEF	LDA	57.08	53.62
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.07	0.18
tblVehicleEF	LDA	2.1700e-003	1.8010e-003
tblVehicleEF	LDA	2.2660e-003	1.8420e-003
tblVehicleEF	LDA	2.0000e-003	1.6590e-003
tblVehicleEF	LDA	2.0830e-003	1.6940e-003
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.21
tblVehicleEF	LDA	0.07	0.22
tblVehicleEF	LDA	2.7480e-003	2.6780e-003
tblVehicleEF	LDA	5.9000e-004	5.2700e-004
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.02	0.02

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Summer

tblVehicleEF	LDA	0.04	0.21
tblVehicleEF	LDA	0.08	0.25
tblVehicleEF	LDA	5.6740e-003	3.2280e-003
tblVehicleEF	LDA	4.8010e-003	0.04
tblVehicleEF	LDA	0.72	0.79
tblVehicleEF	LDA	0.98	1.79
tblVehicleEF	LDA	287.10	284.40
tblVehicleEF	LDA	57.08	53.05
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.06	0.17
tblVehicleEF	LDA	2.1700e-003	1.8010e-003
tblVehicleEF	LDA	2.2660e-003	1.8420e-003
tblVehicleEF	LDA	2.0000e-003	1.6590e-003
tblVehicleEF	LDA	2.0830e-003	1.6940e-003
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.11	0.10
tblVehicleEF	LDA	0.05	0.07
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.20
tblVehicleEF	LDA	0.06	0.20
tblVehicleEF	LDA	2.8760e-003	2.7950e-003
tblVehicleEF	LDA	5.8700e-004	5.2200e-004
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.11	0.10
tblVehicleEF	LDA	0.05	0.07
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.20

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Summer

tblVehicleEF	LDA	0.07	0.22
tblVehicleEF	LDA	5.2330e-003	2.9600e-003
tblVehicleEF	LDA	5.5300e-003	0.05
tblVehicleEF	LDA	0.63	0.69
tblVehicleEF	LDA	1.19	2.17
tblVehicleEF	LDA	269.66	268.07
tblVehicleEF	LDA	57.08	53.75
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.07	0.19
tblVehicleEF	LDA	2.1700e-003	1.8010e-003
tblVehicleEF	LDA	2.2660e-003	1.8420e-003
tblVehicleEF	LDA	2.0000e-003	1.6590e-003
tblVehicleEF	LDA	2.0830e-003	1.6940e-003
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.05	0.24
tblVehicleEF	LDA	0.07	0.23
tblVehicleEF	LDA	2.7010e-003	2.6350e-003
tblVehicleEF	LDA	5.9100e-004	5.2800e-004
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.05	0.24
tblVehicleEF	LDA	0.08	0.25

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Summer

tblVehicleEF	LDT1	0.02	7.7270e-003
tblVehicleEF	LDT1	0.01	0.07
tblVehicleEF	LDT1	1.68	1.45
tblVehicleEF	LDT1	2.78	2.27
tblVehicleEF	LDT1	341.15	320.55
tblVehicleEF	LDT1	69.44	63.67
tblVehicleEF	LDT1	0.16	0.12
tblVehicleEF	LDT1	0.16	0.26
tblVehicleEF	LDT1	3.5390e-003	2.7170e-003
tblVehicleEF	LDT1	3.4320e-003	2.6310e-003
tblVehicleEF	LDT1	3.2590e-003	2.5000e-003
tblVehicleEF	LDT1	3.1560e-003	2.4190e-003
tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	0.26	0.20
tblVehicleEF	LDT1	0.11	0.11
tblVehicleEF	LDT1	0.04	0.03
tblVehicleEF	LDT1	0.17	0.69
tblVehicleEF	LDT1	0.19	0.35
tblVehicleEF	LDT1	3.4330e-003	3.1520e-003
tblVehicleEF	LDT1	7.4300e-004	6.2600e-004
tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	0.26	0.20
tblVehicleEF	LDT1	0.11	0.11
tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.17	0.69
tblVehicleEF	LDT1	0.21	0.39
tblVehicleEF	LDT1	0.02	8.1770e-003

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Summer

tblVehicleEF	LDT1	0.01	0.06
tblVehicleEF	LDT1	1.82	1.58
tblVehicleEF	LDT1	2.36	1.93
tblVehicleEF	LDT1	356.02	332.71
tblVehicleEF	LDT1	69.44	63.00
tblVehicleEF	LDT1	0.14	0.10
tblVehicleEF	LDT1	0.15	0.24
tblVehicleEF	LDT1	3.5390e-003	2.7170e-003
tblVehicleEF	LDT1	3.4320e-003	2.6310e-003
tblVehicleEF	LDT1	3.2590e-003	2.5000e-003
tblVehicleEF	LDT1	3.1560e-003	2.4190e-003
tblVehicleEF	LDT1	0.20	0.20
tblVehicleEF	LDT1	0.28	0.21
tblVehicleEF	LDT1	0.15	0.15
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.16	0.64
tblVehicleEF	LDT1	0.17	0.31
tblVehicleEF	LDT1	3.5840e-003	3.2710e-003
tblVehicleEF	LDT1	7.3600e-004	6.1900e-004
tblVehicleEF	LDT1	0.20	0.20
tblVehicleEF	LDT1	0.28	0.21
tblVehicleEF	LDT1	0.15	0.15
tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.16	0.64
tblVehicleEF	LDT1	0.18	0.34
tblVehicleEF	LDT1	0.02	7.5820e-003
tblVehicleEF	LDT1	0.01	0.07

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Summer

tblVehicleEF	LDT1	1.63	1.41
tblVehicleEF	LDT1	2.87	2.35
tblVehicleEF	LDT1	335.69	316.06
tblVehicleEF	LDT1	69.44	63.82
tblVehicleEF	LDT1	0.15	0.12
tblVehicleEF	LDT1	0.16	0.26
tblVehicleEF	LDT1	3.5390e-003	2.7170e-003
tblVehicleEF	LDT1	3.4320e-003	2.6310e-003
tblVehicleEF	LDT1	3.2590e-003	2.5000e-003
tblVehicleEF	LDT1	3.1560e-003	2.4190e-003
tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	0.30	0.22
tblVehicleEF	LDT1	0.10	0.10
tblVehicleEF	LDT1	0.04	0.03
tblVehicleEF	LDT1	0.20	0.82
tblVehicleEF	LDT1	0.20	0.36
tblVehicleEF	LDT1	3.3780e-003	3.1070e-003
tblVehicleEF	LDT1	7.4500e-004	6.2800e-004
tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	0.30	0.22
tblVehicleEF	LDT1	0.10	0.10
tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.20	0.82
tblVehicleEF	LDT1	0.21	0.40
tblVehicleEF	LDT2	7.2180e-003	4.9730e-003
tblVehicleEF	LDT2	6.3970e-003	0.07
tblVehicleEF	LDT2	0.84	1.02

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Summer

tblVehicleEF	LDT2	1.35	2.65
tblVehicleEF	LDT2	381.91	343.42
tblVehicleEF	LDT2	78.07	68.73
tblVehicleEF	LDT2	0.08	0.09
tblVehicleEF	LDT2	0.11	0.28
tblVehicleEF	LDT2	2.1510e-003	1.9110e-003
tblVehicleEF	LDT2	2.3580e-003	1.8910e-003
tblVehicleEF	LDT2	1.9790e-003	1.7590e-003
tblVehicleEF	LDT2	2.1690e-003	1.7390e-003
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.10	0.12
tblVehicleEF	LDT2	0.05	0.07
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.41
tblVehicleEF	LDT2	0.09	0.31
tblVehicleEF	LDT2	3.8260e-003	3.3760e-003
tblVehicleEF	LDT2	8.0300e-004	6.7600e-004
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.10	0.12
tblVehicleEF	LDT2	0.05	0.07
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.06	0.41
tblVehicleEF	LDT2	0.09	0.34
tblVehicleEF	LDT2	7.6530e-003	5.2910e-003
tblVehicleEF	LDT2	5.6920e-003	0.06
tblVehicleEF	LDT2	0.92	1.12
tblVehicleEF	LDT2	1.15	2.26

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Summer

tblVehicleEF	LDT2	399.04	355.31
tblVehicleEF	LDT2	78.07	67.99
tblVehicleEF	LDT2	0.07	0.08
tblVehicleEF	LDT2	0.10	0.26
tblVehicleEF	LDT2	2.1510e-003	1.9110e-003
tblVehicleEF	LDT2	2.3580e-003	1.8910e-003
tblVehicleEF	LDT2	1.9790e-003	1.7590e-003
tblVehicleEF	LDT2	2.1690e-003	1.7390e-003
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.10	0.13
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.38
tblVehicleEF	LDT2	0.08	0.28
tblVehicleEF	LDT2	3.9980e-003	3.4930e-003
tblVehicleEF	LDT2	8.0000e-004	6.6800e-004
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.10	0.13
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.06	0.38
tblVehicleEF	LDT2	0.08	0.31
tblVehicleEF	LDT2	7.0750e-003	4.8730e-003
tblVehicleEF	LDT2	6.5470e-003	0.07
tblVehicleEF	LDT2	0.81	0.99
tblVehicleEF	LDT2	1.39	2.74
tblVehicleEF	LDT2	375.62	339.02

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Summer

tblVehicleEF	LDT2	78.07	68.90
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.11	0.28
tblVehicleEF	LDT2	2.1510e-003	1.9110e-003
tblVehicleEF	LDT2	2.3580e-003	1.8910e-003
tblVehicleEF	LDT2	1.9790e-003	1.7590e-003
tblVehicleEF	LDT2	2.1690e-003	1.7390e-003
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.11	0.13
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.48
tblVehicleEF	LDT2	0.09	0.32
tblVehicleEF	LDT2	3.7630e-003	3.3320e-003
tblVehicleEF	LDT2	8.0400e-004	6.7700e-004
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.11	0.13
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.07	0.48
tblVehicleEF	LDT2	0.10	0.35
tblVehicleEF	LHD1	5.5970e-003	5.6110e-003
tblVehicleEF	LHD1	0.01	5.6770e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.19
tblVehicleEF	LHD1	0.84	0.65
tblVehicleEF	LHD1	2.79	1.14

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Summer

tblVehicleEF	LHD1	8.92	8.88
tblVehicleEF	LHD1	603.81	667.04
tblVehicleEF	LHD1	33.34	12.48
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.95	0.63
tblVehicleEF	LHD1	1.01	0.34
tblVehicleEF	LHD1	8.2600e-004	7.5000e-004
tblVehicleEF	LHD1	0.01	9.6680e-003
tblVehicleEF	LHD1	9.1270e-003	6.2840e-003
tblVehicleEF	LHD1	1.0140e-003	2.8500e-004
tblVehicleEF	LHD1	7.9000e-004	7.1700e-004
tblVehicleEF	LHD1	2.5160e-003	2.4170e-003
tblVehicleEF	LHD1	8.7050e-003	5.9830e-003
tblVehicleEF	LHD1	9.3300e-004	2.6200e-004
tblVehicleEF	LHD1	3.1460e-003	2.5540e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.9140e-003	1.5610e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.31	0.55
tblVehicleEF	LHD1	0.27	0.08
tblVehicleEF	LHD1	9.0000e-005	8.6000e-005
tblVehicleEF	LHD1	5.9300e-003	6.5150e-003
tblVehicleEF	LHD1	3.8500e-004	1.2400e-004
tblVehicleEF	LHD1	3.1460e-003	2.5540e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.02	0.03

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Summer

tblVehicleEF	LHD1	1.9140e-003	1.5610e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.31	0.55
tblVehicleEF	LHD1	0.29	0.09
tblVehicleEF	LHD1	5.5970e-003	5.6230e-003
tblVehicleEF	LHD1	0.01	5.7930e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.19
tblVehicleEF	LHD1	0.85	0.66
tblVehicleEF	LHD1	2.66	1.09
tblVehicleEF	LHD1	8.92	8.88
tblVehicleEF	LHD1	603.81	667.06
tblVehicleEF	LHD1	33.34	12.39
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.89	0.59
tblVehicleEF	LHD1	0.96	0.32
tblVehicleEF	LHD1	8.2600e-004	7.5000e-004
tblVehicleEF	LHD1	0.01	9.6680e-003
tblVehicleEF	LHD1	9.1270e-003	6.2840e-003
tblVehicleEF	LHD1	1.0140e-003	2.8500e-004
tblVehicleEF	LHD1	7.9000e-004	7.1700e-004
tblVehicleEF	LHD1	2.5160e-003	2.4170e-003
tblVehicleEF	LHD1	8.7050e-003	5.9830e-003
tblVehicleEF	LHD1	9.3300e-004	2.6200e-004
tblVehicleEF	LHD1	4.7100e-003	3.7600e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.02

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Summer

tblVehicleEF	LHD1	2.6900e-003	2.1600e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.30	0.53
tblVehicleEF	LHD1	0.26	0.08
tblVehicleEF	LHD1	9.0000e-005	8.6000e-005
tblVehicleEF	LHD1	5.9310e-003	6.5150e-003
tblVehicleEF	LHD1	3.8300e-004	1.2300e-004
tblVehicleEF	LHD1	4.7100e-003	3.7600e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	2.6900e-003	2.1600e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.30	0.53
tblVehicleEF	LHD1	0.28	0.08
tblVehicleEF	LHD1	5.5970e-003	5.6090e-003
tblVehicleEF	LHD1	0.01	5.6460e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.19
tblVehicleEF	LHD1	0.83	0.64
tblVehicleEF	LHD1	2.81	1.15
tblVehicleEF	LHD1	8.92	8.88
tblVehicleEF	LHD1	603.81	667.03
tblVehicleEF	LHD1	33.34	12.50
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.94	0.62
tblVehicleEF	LHD1	1.01	0.34
tblVehicleEF	LHD1	8.2600e-004	7.5000e-004

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Summer

tblVehicleEF	LHD1	0.01	9.6680e-003
tblVehicleEF	LHD1	9.1270e-003	6.2840e-003
tblVehicleEF	LHD1	1.0140e-003	2.8500e-004
tblVehicleEF	LHD1	7.9000e-004	7.1700e-004
tblVehicleEF	LHD1	2.5160e-003	2.4170e-003
tblVehicleEF	LHD1	8.7050e-003	5.9830e-003
tblVehicleEF	LHD1	9.3300e-004	2.6200e-004
tblVehicleEF	LHD1	3.3080e-003	2.6900e-003
tblVehicleEF	LHD1	0.12	0.09
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.8850e-003	1.5400e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.33	0.60
tblVehicleEF	LHD1	0.27	0.08
tblVehicleEF	LHD1	9.0000e-005	8.6000e-005
tblVehicleEF	LHD1	5.9300e-003	6.5150e-003
tblVehicleEF	LHD1	3.8600e-004	1.2400e-004
tblVehicleEF	LHD1	3.3080e-003	2.6900e-003
tblVehicleEF	LHD1	0.12	0.09
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.8850e-003	1.5400e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.33	0.60
tblVehicleEF	LHD1	0.29	0.09
tblVehicleEF	LHD2	4.0020e-003	3.9440e-003
tblVehicleEF	LHD2	4.2980e-003	3.9460e-003
tblVehicleEF	LHD2	8.5190e-003	0.01

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Summer

tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.34	0.44
tblVehicleEF	LHD2	1.37	0.77
tblVehicleEF	LHD2	13.57	13.40
tblVehicleEF	LHD2	617.83	668.37
tblVehicleEF	LHD2	27.88	9.65
tblVehicleEF	LHD2	0.09	0.08
tblVehicleEF	LHD2	0.65	0.81
tblVehicleEF	LHD2	0.55	0.23
tblVehicleEF	LHD2	1.1620e-003	1.2440e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8510e-003	9.8680e-003
tblVehicleEF	LHD2	4.6900e-004	1.6300e-004
tblVehicleEF	LHD2	1.1110e-003	1.1900e-003
tblVehicleEF	LHD2	2.6540e-003	2.6300e-003
tblVehicleEF	LHD2	8.4540e-003	9.4240e-003
tblVehicleEF	LHD2	4.3100e-004	1.5000e-004
tblVehicleEF	LHD2	1.1380e-003	1.5770e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.4500e-004	9.7800e-004
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.08	0.35
tblVehicleEF	LHD2	0.11	0.06
tblVehicleEF	LHD2	1.3300e-004	1.2900e-004
tblVehicleEF	LHD2	6.0210e-003	6.4710e-003
tblVehicleEF	LHD2	3.0400e-004	9.5000e-005

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Summer

tblVehicleEF	LHD2	1.1380e-003	1.5770e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.4500e-004	9.7800e-004
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.08	0.35
tblVehicleEF	LHD2	0.13	0.06
tblVehicleEF	LHD2	4.0020e-003	3.9530e-003
tblVehicleEF	LHD2	4.3570e-003	3.9910e-003
tblVehicleEF	LHD2	8.2260e-003	0.01
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.35	0.44
tblVehicleEF	LHD2	1.31	0.74
tblVehicleEF	LHD2	13.57	13.40
tblVehicleEF	LHD2	617.83	668.38
tblVehicleEF	LHD2	27.88	9.59
tblVehicleEF	LHD2	0.09	0.08
tblVehicleEF	LHD2	0.61	0.76
tblVehicleEF	LHD2	0.53	0.22
tblVehicleEF	LHD2	1.1620e-003	1.2440e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8510e-003	9.8680e-003
tblVehicleEF	LHD2	4.6900e-004	1.6300e-004
tblVehicleEF	LHD2	1.1110e-003	1.1900e-003
tblVehicleEF	LHD2	2.6540e-003	2.6300e-003
tblVehicleEF	LHD2	8.4540e-003	9.4240e-003
tblVehicleEF	LHD2	4.3100e-004	1.5000e-004

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Summer

tblVehicleEF	LHD2	1.6960e-003	2.3210e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.0400e-003	1.3550e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.08	0.34
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	1.3300e-004	1.2900e-004
tblVehicleEF	LHD2	6.0210e-003	6.4710e-003
tblVehicleEF	LHD2	3.0300e-004	9.5000e-005
tblVehicleEF	LHD2	1.6960e-003	2.3210e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.0400e-003	1.3550e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.08	0.34
tblVehicleEF	LHD2	0.12	0.06
tblVehicleEF	LHD2	4.0020e-003	3.9420e-003
tblVehicleEF	LHD2	4.2820e-003	3.9330e-003
tblVehicleEF	LHD2	8.5780e-003	0.01
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.34	0.43
tblVehicleEF	LHD2	1.38	0.78
tblVehicleEF	LHD2	13.57	13.40
tblVehicleEF	LHD2	617.83	668.37
tblVehicleEF	LHD2	27.88	9.66
tblVehicleEF	LHD2	0.09	0.08

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Summer

tblVehicleEF	LHD2	0.64	0.80
tblVehicleEF	LHD2	0.56	0.24
tblVehicleEF	LHD2	1.1620e-003	1.2440e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8510e-003	9.8680e-003
tblVehicleEF	LHD2	4.6900e-004	1.6300e-004
tblVehicleEF	LHD2	1.1110e-003	1.1900e-003
tblVehicleEF	LHD2	2.6540e-003	2.6300e-003
tblVehicleEF	LHD2	8.4540e-003	9.4240e-003
tblVehicleEF	LHD2	4.3100e-004	1.5000e-004
tblVehicleEF	LHD2	1.1610e-003	1.6340e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.2300e-004	9.5000e-004
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.09	0.39
tblVehicleEF	LHD2	0.12	0.06
tblVehicleEF	LHD2	1.3300e-004	1.2900e-004
tblVehicleEF	LHD2	6.0210e-003	6.4710e-003
tblVehicleEF	LHD2	3.0400e-004	9.6000e-005
tblVehicleEF	LHD2	1.1610e-003	1.6340e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.2300e-004	9.5000e-004
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.09	0.39
tblVehicleEF	LHD2	0.13	0.06

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Summer

tblVehicleEF	MCY	0.54	0.38
tblVehicleEF	MCY	0.15	0.23
tblVehicleEF	MCY	18.94	19.11
tblVehicleEF	MCY	9.66	8.52
tblVehicleEF	MCY	188.92	223.68
tblVehicleEF	MCY	44.52	59.56
tblVehicleEF	MCY	1.13	1.13
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	2.4360e-003	2.4430e-003
tblVehicleEF	MCY	3.8630e-003	3.2940e-003
tblVehicleEF	MCY	2.2770e-003	2.2830e-003
tblVehicleEF	MCY	3.6360e-003	3.1000e-003
tblVehicleEF	MCY	1.06	1.08
tblVehicleEF	MCY	0.63	0.65
tblVehicleEF	MCY	0.65	0.66
tblVehicleEF	MCY	2.60	2.61
tblVehicleEF	MCY	0.60	1.98
tblVehicleEF	MCY	2.05	1.81
tblVehicleEF	MCY	2.2780e-003	2.2130e-003
tblVehicleEF	MCY	6.6300e-004	5.8900e-004
tblVehicleEF	MCY	1.06	1.08
tblVehicleEF	MCY	0.63	0.65
tblVehicleEF	MCY	0.65	0.66
tblVehicleEF	MCY	3.23	3.25
tblVehicleEF	MCY	0.60	1.98
tblVehicleEF	MCY	2.23	1.97
tblVehicleEF	MCY	0.53	0.37

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Summer

tblVehicleEF	MCY	0.13	0.21
tblVehicleEF	MCY	18.24	18.37
tblVehicleEF	MCY	8.82	7.76
tblVehicleEF	MCY	188.92	222.28
tblVehicleEF	MCY	44.52	57.67
tblVehicleEF	MCY	0.99	0.99
tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	2.4360e-003	2.4430e-003
tblVehicleEF	MCY	3.8630e-003	3.2940e-003
tblVehicleEF	MCY	2.2770e-003	2.2830e-003
tblVehicleEF	MCY	3.6360e-003	3.1000e-003
tblVehicleEF	MCY	1.73	1.72
tblVehicleEF	MCY	0.70	0.71
tblVehicleEF	MCY	1.07	1.07
tblVehicleEF	MCY	2.54	2.55
tblVehicleEF	MCY	0.56	1.86
tblVehicleEF	MCY	1.83	1.61
tblVehicleEF	MCY	2.2650e-003	2.2000e-003
tblVehicleEF	MCY	6.4300e-004	5.7100e-004
tblVehicleEF	MCY	1.73	1.72
tblVehicleEF	MCY	0.70	0.71
tblVehicleEF	MCY	1.07	1.07
tblVehicleEF	MCY	3.16	3.17
tblVehicleEF	MCY	0.56	1.86
tblVehicleEF	MCY	1.99	1.75
tblVehicleEF	MCY	0.54	0.38
tblVehicleEF	MCY	0.15	0.24

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Summer

tblVehicleEF	MCY	19.04	19.25
tblVehicleEF	MCY	9.80	8.66
tblVehicleEF	MCY	188.92	223.96
tblVehicleEF	MCY	44.52	59.94
tblVehicleEF	MCY	1.11	1.11
tblVehicleEF	MCY	0.31	0.27
tblVehicleEF	MCY	2.4360e-003	2.4430e-003
tblVehicleEF	MCY	3.8630e-003	3.2940e-003
tblVehicleEF	MCY	2.2770e-003	2.2830e-003
tblVehicleEF	MCY	3.6360e-003	3.1000e-003
tblVehicleEF	MCY	1.16	1.18
tblVehicleEF	MCY	0.82	0.84
tblVehicleEF	MCY	0.62	0.64
tblVehicleEF	MCY	2.61	2.63
tblVehicleEF	MCY	0.69	2.28
tblVehicleEF	MCY	2.09	1.86
tblVehicleEF	MCY	2.2800e-003	2.2160e-003
tblVehicleEF	MCY	6.6700e-004	5.9300e-004
tblVehicleEF	MCY	1.16	1.18
tblVehicleEF	MCY	0.82	0.84
tblVehicleEF	MCY	0.62	0.64
tblVehicleEF	MCY	3.25	3.26
tblVehicleEF	MCY	0.69	2.28
tblVehicleEF	MCY	2.28	2.02
tblVehicleEF	MDV	0.01	6.5350e-003
tblVehicleEF	MDV	0.01	0.08
tblVehicleEF	MDV	1.33	1.22

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Summer

tblVehicleEF	MDV	2.48	3.10
tblVehicleEF	MDV	512.22	421.49
tblVehicleEF	MDV	103.14	83.59
tblVehicleEF	MDV	0.15	0.11
tblVehicleEF	MDV	0.22	0.34
tblVehicleEF	MDV	2.3560e-003	2.0880e-003
tblVehicleEF	MDV	2.5140e-003	2.0610e-003
tblVehicleEF	MDV	2.1720e-003	1.9250e-003
tblVehicleEF	MDV	2.3120e-003	1.8950e-003
tblVehicleEF	MDV	0.07	0.08
tblVehicleEF	MDV	0.15	0.14
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.09	0.43
tblVehicleEF	MDV	0.19	0.40
tblVehicleEF	MDV	5.1310e-003	4.1410e-003
tblVehicleEF	MDV	1.0750e-003	8.2200e-004
tblVehicleEF	MDV	0.07	0.08
tblVehicleEF	MDV	0.15	0.14
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.09	0.43
tblVehicleEF	MDV	0.21	0.44
tblVehicleEF	MDV	0.01	6.9310e-003
tblVehicleEF	MDV	0.01	0.07
tblVehicleEF	MDV	1.45	1.32
tblVehicleEF	MDV	2.12	2.63

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Summer

tblVehicleEF	MDV	534.67	433.96
tblVehicleEF	MDV	103.14	82.70
tblVehicleEF	MDV	0.13	0.10
tblVehicleEF	MDV	0.20	0.32
tblVehicleEF	MDV	2.3560e-003	2.0880e-003
tblVehicleEF	MDV	2.5140e-003	2.0610e-003
tblVehicleEF	MDV	2.1720e-003	1.9250e-003
tblVehicleEF	MDV	2.3120e-003	1.8950e-003
tblVehicleEF	MDV	0.10	0.13
tblVehicleEF	MDV	0.16	0.14
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.08	0.40
tblVehicleEF	MDV	0.17	0.36
tblVehicleEF	MDV	5.3570e-003	4.2630e-003
tblVehicleEF	MDV	1.0680e-003	8.1300e-004
tblVehicleEF	MDV	0.10	0.13
tblVehicleEF	MDV	0.16	0.15
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.08	0.40
tblVehicleEF	MDV	0.18	0.39
tblVehicleEF	MDV	0.01	6.4070e-003
tblVehicleEF	MDV	0.01	0.08
tblVehicleEF	MDV	1.29	1.18
tblVehicleEF	MDV	2.56	3.21
tblVehicleEF	MDV	503.99	416.89

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Summer

tblVehicleEF	MDV	103.14	83.79
tblVehicleEF	MDV	0.14	0.11
tblVehicleEF	MDV	0.22	0.35
tblVehicleEF	MDV	2.3560e-003	2.0880e-003
tblVehicleEF	MDV	2.5140e-003	2.0610e-003
tblVehicleEF	MDV	2.1720e-003	1.9250e-003
tblVehicleEF	MDV	2.3120e-003	1.8950e-003
tblVehicleEF	MDV	0.06	0.08
tblVehicleEF	MDV	0.16	0.15
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.10	0.50
tblVehicleEF	MDV	0.19	0.41
tblVehicleEF	MDV	5.0480e-003	4.0950e-003
tblVehicleEF	MDV	1.0760e-003	8.2400e-004
tblVehicleEF	MDV	0.06	0.08
tblVehicleEF	MDV	0.16	0.15
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.10	0.50
tblVehicleEF	MDV	0.21	0.45
tblVehicleEF	MH	0.03	3.1210e-003
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	2.24	0.27
tblVehicleEF	MH	5.78	0.00
tblVehicleEF	MH	1,130.03	965.33
tblVehicleEF	MH	60.43	0.00

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Summer

tblVehicleEF	MH	1.08	3.43
tblVehicleEF	MH	0.80	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.02	0.07
tblVehicleEF	MH	1.1280e-003	0.00
tblVehicleEF	MH	3.2020e-003	4.0000e-003
tblVehicleEF	MH	0.02	0.07
tblVehicleEF	MH	1.0370e-003	0.00
tblVehicleEF	MH	0.95	0.00
tblVehicleEF	MH	0.07	0.00
tblVehicleEF	MH	0.41	0.00
tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.33	0.00
tblVehicleEF	MH	0.01	9.1260e-003
tblVehicleEF	MH	7.0500e-004	0.00
tblVehicleEF	MH	0.95	0.00
tblVehicleEF	MH	0.07	0.00
tblVehicleEF	MH	0.41	0.00
tblVehicleEF	MH	0.12	0.08
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.36	0.00
tblVehicleEF	MH	0.03	3.1210e-003
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	2.30	0.27
tblVehicleEF	MH	5.44	0.00
tblVehicleEF	MH	1,130.03	965.33

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Summer

tblVehicleEF	MH	60.43	0.00
tblVehicleEF	MH	0.99	3.24
tblVehicleEF	MH	0.76	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.02	0.07
tblVehicleEF	MH	1.1280e-003	0.00
tblVehicleEF	MH	3.2020e-003	4.0000e-003
tblVehicleEF	MH	0.02	0.07
tblVehicleEF	MH	1.0370e-003	0.00
tblVehicleEF	MH	1.41	0.00
tblVehicleEF	MH	0.07	0.00
tblVehicleEF	MH	0.58	0.00
tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.31	0.00
tblVehicleEF	MH	0.01	9.1260e-003
tblVehicleEF	MH	6.9900e-004	0.00
tblVehicleEF	MH	1.41	0.00
tblVehicleEF	MH	0.07	0.00
tblVehicleEF	MH	0.58	0.00
tblVehicleEF	MH	0.12	0.08
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.34	0.00
tblVehicleEF	MH	0.03	3.1210e-003
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	2.22	0.27
tblVehicleEF	MH	5.83	0.00

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Summer

tblVehicleEF	MH	1,130.03	965.33
tblVehicleEF	MH	60.43	0.00
tblVehicleEF	MH	1.06	3.37
tblVehicleEF	MH	0.80	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.02	0.07
tblVehicleEF	MH	1.1280e-003	0.00
tblVehicleEF	MH	3.2020e-003	4.0000e-003
tblVehicleEF	MH	0.02	0.07
tblVehicleEF	MH	1.0370e-003	0.00
tblVehicleEF	MH	1.08	0.00
tblVehicleEF	MH	0.08	0.00
tblVehicleEF	MH	0.42	0.00
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.33	0.00
tblVehicleEF	MH	0.01	9.1260e-003
tblVehicleEF	MH	7.0600e-004	0.00
tblVehicleEF	MH	1.08	0.00
tblVehicleEF	MH	0.08	0.00
tblVehicleEF	MH	0.42	0.00
tblVehicleEF	MH	0.12	0.08
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.36	0.00
tblVehicleEF	MHD	0.02	4.4240e-003
tblVehicleEF	MHD	4.8560e-003	4.6020e-003
tblVehicleEF	MHD	0.05	0.01

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Summer

tblVehicleEF	MHD	0.37	0.39
tblVehicleEF	MHD	0.37	0.47
tblVehicleEF	MHD	6.14	1.44
tblVehicleEF	MHD	132.92	67.32
tblVehicleEF	MHD	1,150.98	1,070.87
tblVehicleEF	MHD	63.58	12.17
tblVehicleEF	MHD	0.49	0.47
tblVehicleEF	MHD	1.14	1.63
tblVehicleEF	MHD	9.96	1.29
tblVehicleEF	MHD	2.4800e-004	1.0730e-003
tblVehicleEF	MHD	5.1090e-003	0.03
tblVehicleEF	MHD	8.4300e-004	1.3800e-004
tblVehicleEF	MHD	2.3800e-004	1.0270e-003
tblVehicleEF	MHD	4.8830e-003	0.03
tblVehicleEF	MHD	7.7600e-004	1.2700e-004
tblVehicleEF	MHD	1.1350e-003	6.6800e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	7.4200e-004	4.3000e-004
tblVehicleEF	MHD	0.05	0.06
tblVehicleEF	MHD	0.02	0.14
tblVehicleEF	MHD	0.37	0.07
tblVehicleEF	MHD	1.2810e-003	6.4000e-004
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.4300e-004	1.2000e-004
tblVehicleEF	MHD	1.1350e-003	6.6800e-004
tblVehicleEF	MHD	0.05	0.03

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Summer

tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	7.4200e-004	4.3000e-004
tblVehicleEF	MHD	0.05	0.07
tblVehicleEF	MHD	0.02	0.14
tblVehicleEF	MHD	0.41	0.07
tblVehicleEF	MHD	0.02	4.1930e-003
tblVehicleEF	MHD	4.9280e-003	4.6540e-003
tblVehicleEF	MHD	0.05	0.01
tblVehicleEF	MHD	0.27	0.32
tblVehicleEF	MHD	0.38	0.48
tblVehicleEF	MHD	5.83	1.36
tblVehicleEF	MHD	140.78	68.14
tblVehicleEF	MHD	1,150.98	1,070.88
tblVehicleEF	MHD	63.58	12.05
tblVehicleEF	MHD	0.51	0.48
tblVehicleEF	MHD	1.08	1.54
tblVehicleEF	MHD	9.92	1.28
tblVehicleEF	MHD	2.0900e-004	9.0700e-004
tblVehicleEF	MHD	5.1090e-003	0.03
tblVehicleEF	MHD	8.4300e-004	1.3800e-004
tblVehicleEF	MHD	2.0000e-004	8.6800e-004
tblVehicleEF	MHD	4.8830e-003	0.03
tblVehicleEF	MHD	7.7600e-004	1.2700e-004
tblVehicleEF	MHD	1.7000e-003	9.9300e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	1.0480e-003	6.0400e-004

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Summer

tblVehicleEF	MHD	0.05	0.06
tblVehicleEF	MHD	0.02	0.14
tblVehicleEF	MHD	0.36	0.06
tblVehicleEF	MHD	1.3550e-003	6.4800e-004
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.3800e-004	1.1900e-004
tblVehicleEF	MHD	1.7000e-003	9.9300e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	1.0480e-003	6.0400e-004
tblVehicleEF	MHD	0.06	0.07
tblVehicleEF	MHD	0.02	0.14
tblVehicleEF	MHD	0.39	0.07
tblVehicleEF	MHD	0.02	4.7550e-003
tblVehicleEF	MHD	4.8360e-003	4.5850e-003
tblVehicleEF	MHD	0.05	0.01
tblVehicleEF	MHD	0.52	0.49
tblVehicleEF	MHD	0.37	0.47
tblVehicleEF	MHD	6.20	1.45
tblVehicleEF	MHD	122.05	66.18
tblVehicleEF	MHD	1,150.98	1,070.87
tblVehicleEF	MHD	63.58	12.19
tblVehicleEF	MHD	0.47	0.47
tblVehicleEF	MHD	1.12	1.60
tblVehicleEF	MHD	9.97	1.29
tblVehicleEF	MHD	3.0200e-004	1.3020e-003
tblVehicleEF	MHD	5.1090e-003	0.03

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Summer

tblVehicleEF	MHD	8.4300e-004	1.3800e-004
tblVehicleEF	MHD	2.8900e-004	1.2460e-003
tblVehicleEF	MHD	4.8830e-003	0.03
tblVehicleEF	MHD	7.7600e-004	1.2700e-004
tblVehicleEF	MHD	1.1690e-003	6.9100e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	7.2400e-004	4.2100e-004
tblVehicleEF	MHD	0.05	0.06
tblVehicleEF	MHD	0.02	0.16
tblVehicleEF	MHD	0.38	0.07
tblVehicleEF	MHD	1.1790e-003	6.2900e-004
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.4400e-004	1.2100e-004
tblVehicleEF	MHD	1.1690e-003	6.9100e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	7.2400e-004	4.2100e-004
tblVehicleEF	MHD	0.05	0.07
tblVehicleEF	MHD	0.02	0.16
tblVehicleEF	MHD	0.41	0.07
tblVehicleEF	OBUS	0.01	8.4750e-003
tblVehicleEF	OBUS	7.7220e-003	6.9630e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.28	0.60
tblVehicleEF	OBUS	0.53	0.78
tblVehicleEF	OBUS	5.41	2.39

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Summer

tblVehicleEF	OBUS	112.13	94.21
tblVehicleEF	OBUS	1,260.49	1,391.50
tblVehicleEF	OBUS	67.92	19.24
tblVehicleEF	OBUS	0.51	0.46
tblVehicleEF	OBUS	1.55	1.57
tblVehicleEF	OBUS	2.60	0.75
tblVehicleEF	OBUS	1.1400e-004	7.8900e-004
tblVehicleEF	OBUS	7.4300e-003	0.02
tblVehicleEF	OBUS	8.0700e-004	1.9700e-004
tblVehicleEF	OBUS	1.0900e-004	7.5500e-004
tblVehicleEF	OBUS	7.0930e-003	0.02
tblVehicleEF	OBUS	7.4200e-004	1.8100e-004
tblVehicleEF	OBUS	1.4340e-003	1.8390e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	7.6800e-004	9.4100e-004
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	0.04	0.26
tblVehicleEF	OBUS	0.34	0.11
tblVehicleEF	OBUS	1.0820e-003	8.9600e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.7400e-004	1.9000e-004
tblVehicleEF	OBUS	1.4340e-003	1.8390e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	7.6800e-004	9.4100e-004
tblVehicleEF	OBUS	0.08	0.08

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Summer

tblVehicleEF	OBUS	0.04	0.26
tblVehicleEF	OBUS	0.37	0.13
tblVehicleEF	OBUS	0.01	8.5340e-003
tblVehicleEF	OBUS	7.8490e-003	7.0850e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.27	0.58
tblVehicleEF	OBUS	0.54	0.80
tblVehicleEF	OBUS	5.11	2.26
tblVehicleEF	OBUS	117.81	94.08
tblVehicleEF	OBUS	1,260.49	1,391.52
tblVehicleEF	OBUS	67.92	19.02
tblVehicleEF	OBUS	0.53	0.45
tblVehicleEF	OBUS	1.46	1.48
tblVehicleEF	OBUS	2.57	0.74
tblVehicleEF	OBUS	9.6000e-005	6.7100e-004
tblVehicleEF	OBUS	7.4300e-003	0.02
tblVehicleEF	OBUS	8.0700e-004	1.9700e-004
tblVehicleEF	OBUS	9.2000e-005	6.4200e-004
tblVehicleEF	OBUS	7.0930e-003	0.02
tblVehicleEF	OBUS	7.4200e-004	1.8100e-004
tblVehicleEF	OBUS	2.1010e-003	2.6500e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	1.0830e-003	1.3070e-003
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	0.04	0.26
tblVehicleEF	OBUS	0.32	0.11

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Summer

tblVehicleEF	OBUS	1.1360e-003	8.9500e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.6900e-004	1.8800e-004
tblVehicleEF	OBUS	2.1010e-003	2.6500e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	1.0830e-003	1.3070e-003
tblVehicleEF	OBUS	0.08	0.08
tblVehicleEF	OBUS	0.04	0.26
tblVehicleEF	OBUS	0.35	0.12
tblVehicleEF	OBUS	0.01	8.4130e-003
tblVehicleEF	OBUS	7.6880e-003	6.9290e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.30	0.61
tblVehicleEF	OBUS	0.53	0.78
tblVehicleEF	OBUS	5.47	2.42
tblVehicleEF	OBUS	104.30	94.40
tblVehicleEF	OBUS	1,260.49	1,391.49
tblVehicleEF	OBUS	67.92	19.29
tblVehicleEF	OBUS	0.49	0.47
tblVehicleEF	OBUS	1.52	1.55
tblVehicleEF	OBUS	2.61	0.76
tblVehicleEF	OBUS	1.3900e-004	9.5300e-004
tblVehicleEF	OBUS	7.4300e-003	0.02
tblVehicleEF	OBUS	8.0700e-004	1.9700e-004
tblVehicleEF	OBUS	1.3300e-004	9.1200e-004
tblVehicleEF	OBUS	7.0930e-003	0.02

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Summer

tblVehicleEF	OBUS	7.4200e-004	1.8100e-004
tblVehicleEF	OBUS	1.4690e-003	1.9220e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	7.4700e-004	9.2400e-004
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	0.04	0.28
tblVehicleEF	OBUS	0.34	0.12
tblVehicleEF	OBUS	1.0070e-003	8.9800e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.7500e-004	1.9100e-004
tblVehicleEF	OBUS	1.4690e-003	1.9220e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.06	0.07
tblVehicleEF	OBUS	7.4700e-004	9.2400e-004
tblVehicleEF	OBUS	0.08	0.08
tblVehicleEF	OBUS	0.04	0.28
tblVehicleEF	OBUS	0.37	0.13
tblVehicleEF	SBUS	0.84	0.07
tblVehicleEF	SBUS	0.01	7.0600e-003
tblVehicleEF	SBUS	0.06	6.7770e-003
tblVehicleEF	SBUS	8.15	2.99
tblVehicleEF	SBUS	0.72	0.60
tblVehicleEF	SBUS	7.31	0.93
tblVehicleEF	SBUS	1,121.00	354.63
tblVehicleEF	SBUS	1,079.30	1,100.97
tblVehicleEF	SBUS	55.06	5.73

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Summer

tblVehicleEF	SBUS	9.20	3.14
tblVehicleEF	SBUS	4.17	4.65
tblVehicleEF	SBUS	12.12	0.90
tblVehicleEF	SBUS	9.3410e-003	3.9540e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	8.1500e-004	5.5000e-005
tblVehicleEF	SBUS	8.9370e-003	3.7830e-003
tblVehicleEF	SBUS	2.6670e-003	2.6630e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	7.5000e-004	5.1000e-005
tblVehicleEF	SBUS	3.3650e-003	9.8900e-004
tblVehicleEF	SBUS	0.03	8.5880e-003
tblVehicleEF	SBUS	0.97	0.34
tblVehicleEF	SBUS	1.7650e-003	5.2700e-004
tblVehicleEF	SBUS	0.10	0.09
tblVehicleEF	SBUS	0.01	0.06
tblVehicleEF	SBUS	0.38	0.04
tblVehicleEF	SBUS	0.01	3.3860e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.7700e-004	5.7000e-005
tblVehicleEF	SBUS	3.3650e-003	9.8900e-004
tblVehicleEF	SBUS	0.03	8.5880e-003
tblVehicleEF	SBUS	1.40	0.49
tblVehicleEF	SBUS	1.7650e-003	5.2700e-004
tblVehicleEF	SBUS	0.13	0.11
tblVehicleEF	SBUS	0.01	0.06

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Summer

tblVehicleEF	SBUS	0.42	0.04
tblVehicleEF	SBUS	0.84	0.07
tblVehicleEF	SBUS	0.01	7.1400e-003
tblVehicleEF	SBUS	0.06	6.0470e-003
tblVehicleEF	SBUS	8.04	2.95
tblVehicleEF	SBUS	0.73	0.61
tblVehicleEF	SBUS	5.94	0.76
tblVehicleEF	SBUS	1,171.46	362.29
tblVehicleEF	SBUS	1,079.30	1,100.99
tblVehicleEF	SBUS	55.06	5.44
tblVehicleEF	SBUS	9.50	3.21
tblVehicleEF	SBUS	3.93	4.39
tblVehicleEF	SBUS	12.09	0.90
tblVehicleEF	SBUS	7.8750e-003	3.3400e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	8.1500e-004	5.5000e-005
tblVehicleEF	SBUS	7.5340e-003	3.1960e-003
tblVehicleEF	SBUS	2.6670e-003	2.6630e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	7.5000e-004	5.1000e-005
tblVehicleEF	SBUS	4.9570e-003	1.4290e-003
tblVehicleEF	SBUS	0.03	8.7250e-003
tblVehicleEF	SBUS	0.97	0.34
tblVehicleEF	SBUS	2.5080e-003	7.3100e-004
tblVehicleEF	SBUS	0.10	0.09
tblVehicleEF	SBUS	0.01	0.05

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Summer

tblVehicleEF	SBUS	0.34	0.03
tblVehicleEF	SBUS	0.01	3.4580e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.5400e-004	5.4000e-005
tblVehicleEF	SBUS	4.9570e-003	1.4290e-003
tblVehicleEF	SBUS	0.03	8.7250e-003
tblVehicleEF	SBUS	1.40	0.49
tblVehicleEF	SBUS	2.5080e-003	7.3100e-004
tblVehicleEF	SBUS	0.13	0.11
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.37	0.04
tblVehicleEF	SBUS	0.84	0.07
tblVehicleEF	SBUS	0.01	7.0350e-003
tblVehicleEF	SBUS	0.07	6.9450e-003
tblVehicleEF	SBUS	8.31	3.04
tblVehicleEF	SBUS	0.72	0.60
tblVehicleEF	SBUS	7.56	0.96
tblVehicleEF	SBUS	1,051.30	344.05
tblVehicleEF	SBUS	1,079.30	1,100.97
tblVehicleEF	SBUS	55.06	5.78
tblVehicleEF	SBUS	8.80	3.05
tblVehicleEF	SBUS	4.10	4.57
tblVehicleEF	SBUS	12.13	0.90
tblVehicleEF	SBUS	0.01	4.8000e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	8.1500e-004	5.5000e-005

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Summer

tblVehicleEF	SBUS	0.01	4.5930e-003
tblVehicleEF	SBUS	2.6670e-003	2.6630e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	7.5000e-004	5.1000e-005
tblVehicleEF	SBUS	3.4320e-003	1.0030e-003
tblVehicleEF	SBUS	0.03	9.0230e-003
tblVehicleEF	SBUS	0.98	0.34
tblVehicleEF	SBUS	1.6940e-003	5.0600e-004
tblVehicleEF	SBUS	0.10	0.09
tblVehicleEF	SBUS	0.02	0.07
tblVehicleEF	SBUS	0.39	0.04
tblVehicleEF	SBUS	0.01	3.2860e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.8100e-004	5.7000e-005
tblVehicleEF	SBUS	3.4320e-003	1.0030e-003
tblVehicleEF	SBUS	0.03	9.0230e-003
tblVehicleEF	SBUS	1.41	0.49
tblVehicleEF	SBUS	1.6940e-003	5.0600e-004
tblVehicleEF	SBUS	0.13	0.11
tblVehicleEF	SBUS	0.02	0.07
tblVehicleEF	SBUS	0.43	0.04
tblVehicleEF	UBUS	2.61	5.85
tblVehicleEF	UBUS	0.05	0.01
tblVehicleEF	UBUS	11.22	45.42
tblVehicleEF	UBUS	8.87	0.71
tblVehicleEF	UBUS	1,968.89	1,991.58
tblVehicleEF	UBUS	96.56	8.61

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Summer

tblVehicleEF	UBUS	9.98	0.47
tblVehicleEF	UBUS	15.36	0.08
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.13	3.1840e-003
tblVehicleEF	UBUS	1.0870e-003	4.6000e-005
tblVehicleEF	UBUS	0.26	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9690e-003
tblVehicleEF	UBUS	0.13	3.0430e-003
tblVehicleEF	UBUS	9.9900e-004	4.3000e-005
tblVehicleEF	UBUS	4.1440e-003	6.6500e-004
tblVehicleEF	UBUS	0.07	8.4730e-003
tblVehicleEF	UBUS	2.3870e-003	4.9100e-004
tblVehicleEF	UBUS	0.85	0.09
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.68	0.05
tblVehicleEF	UBUS	9.8600e-003	1.4410e-003
tblVehicleEF	UBUS	1.1250e-003	8.5000e-005
tblVehicleEF	UBUS	4.1440e-003	6.6500e-004
tblVehicleEF	UBUS	0.07	8.4730e-003
tblVehicleEF	UBUS	2.3870e-003	4.9100e-004
tblVehicleEF	UBUS	3.56	5.97
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.74	0.05
tblVehicleEF	UBUS	2.61	5.85
tblVehicleEF	UBUS	0.05	0.01
tblVehicleEF	UBUS	11.27	45.42

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Summer

tblVehicleEF	UBUS	7.69	0.63
tblVehicleEF	UBUS	1,968.89	1,991.58
tblVehicleEF	UBUS	96.56	8.46
tblVehicleEF	UBUS	9.41	0.47
tblVehicleEF	UBUS	15.31	0.08
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.13	3.1840e-003
tblVehicleEF	UBUS	1.0870e-003	4.6000e-005
tblVehicleEF	UBUS	0.26	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9690e-003
tblVehicleEF	UBUS	0.13	3.0430e-003
tblVehicleEF	UBUS	9.9900e-004	4.3000e-005
tblVehicleEF	UBUS	5.9080e-003	9.6200e-004
tblVehicleEF	UBUS	0.07	8.7330e-003
tblVehicleEF	UBUS	3.2830e-003	6.7600e-004
tblVehicleEF	UBUS	0.86	0.09
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.62	0.04
tblVehicleEF	UBUS	9.8610e-003	1.4410e-003
tblVehicleEF	UBUS	1.1050e-003	8.4000e-005
tblVehicleEF	UBUS	5.9080e-003	9.6200e-004
tblVehicleEF	UBUS	0.07	8.7330e-003
tblVehicleEF	UBUS	3.2830e-003	6.7600e-004
tblVehicleEF	UBUS	3.57	5.97
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.68	0.05

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Summer

tblVehicleEF	UBUS	2.61	5.85
tblVehicleEF	UBUS	0.05	0.01
tblVehicleEF	UBUS	11.21	45.42
tblVehicleEF	UBUS	9.08	0.73
tblVehicleEF	UBUS	1,968.89	1,991.58
tblVehicleEF	UBUS	96.56	8.64
tblVehicleEF	UBUS	9.79	0.47
tblVehicleEF	UBUS	15.38	0.09
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.13	3.1840e-003
tblVehicleEF	UBUS	1.0870e-003	4.6000e-005
tblVehicleEF	UBUS	0.26	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9690e-003
tblVehicleEF	UBUS	0.13	3.0430e-003
tblVehicleEF	UBUS	9.9900e-004	4.3000e-005
tblVehicleEF	UBUS	4.7000e-003	6.4800e-004
tblVehicleEF	UBUS	0.08	9.0360e-003
tblVehicleEF	UBUS	2.5010e-003	4.6600e-004
tblVehicleEF	UBUS	0.85	0.09
tblVehicleEF	UBUS	0.03	0.07
tblVehicleEF	UBUS	0.69	0.05
tblVehicleEF	UBUS	9.8590e-003	1.4410e-003
tblVehicleEF	UBUS	1.1290e-003	8.5000e-005
tblVehicleEF	UBUS	4.7000e-003	6.4800e-004
tblVehicleEF	UBUS	0.08	9.0360e-003
tblVehicleEF	UBUS	2.5010e-003	4.6600e-004

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Summer

tblVehicleEF	UBUS	3.55	5.97
tblVehicleEF	UBUS	0.03	0.07
tblVehicleEF	UBUS	0.75	0.05
tblVehicleTrips	CC_TTP	48.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CW_TL	16.60	40.00
tblVehicleTrips	CW_TTP	33.00	0.00
tblVehicleTrips	CW_TTP	0.00	100.00
tblVehicleTrips	DV_TP	28.00	0.00
tblVehicleTrips	PB_TP	6.00	0.00
tblVehicleTrips	PR_TP	66.00	0.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	1.32	1.83
tblVehicleTrips	ST_TR	0.00	0.17
tblVehicleTrips	ST_TR	1.68	0.14
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	0.68	4.59
tblVehicleTrips	SU_TR	0.00	0.41
tblVehicleTrips	SU_TR	1.68	0.06
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	6.97	4.56
tblVehicleTrips	WD_TR	0.00	0.45
tblVehicleTrips	WD_TR	1.68	1.26

2.0 Emissions Summary

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Summer

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

[illegible]

Mitigated Construction

[illegible][illegible]

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Summer

2.2 Overall Operational**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.8169	6.3000e-004	0.0693	1.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004		0.1484	0.1484	3.9000e-004		0.1581
Energy	0.0272	0.2470	0.2075	1.4800e-003		0.0188	0.0188		0.0188	0.0188		296.3911	296.3911	5.6800e-003	5.4300e-003	298.1524
Mobile	1.4210	14.2381	15.2334	0.0901	5.3310	0.1476	5.4787	1.4460	0.1405	1.5865		9,540.4127	9,540.4127	0.3749		9,549.7855
Offroad	0.2440	2.5352	1.5172	6.3400e-003		0.0875	0.0875		0.0805	0.0805		613.5755	613.5755	0.1984		618.5365
Total	4.5091	17.0210	17.0274	0.0979	5.3310	0.2541	5.5852	1.4460	0.2400	1.6860		10,450.5276	10,450.5276	0.5794	5.4300e-003	10,466.6326

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Summer

2.2 Overall Operational**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.8169	6.3000e-004	0.0693	1.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004		0.1484	0.1484	3.9000e-004		0.1581
Energy	0.0272	0.2470	0.2075	1.4800e-003		0.0188	0.0188		0.0188	0.0188		296.3911	296.3911	5.6800e-003	5.4300e-003	298.1524
Mobile	1.4210	14.2381	15.2334	0.0901	5.3310	0.1476	5.4787	1.4460	0.1405	1.5865		9,540.4127	9,540.4127	0.3749		9,549.7855
Offroad	0.2440	2.5352	1.5172	6.3400e-003		0.0875	0.0875		0.0805	0.0805		613.5755	613.5755	0.1984		618.5365
Total	4.5091	17.0210	17.0274	0.0979	5.3310	0.2541	5.5852	1.4460	0.2400	1.6860		10,450.5276	10,450.5276	0.5794	5.4300e-003	10,466.6326

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	8/16/2021	9/10/2021	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Summer

Acres of Paving: 2.65**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)****OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Excavators	0	8.00	158	0.38
Demolition	Rubber Tired Dozers	0	8.00	247	0.40

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	0	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Summer

3.2 Demolition - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Summer

3.2 Demolition - 2021**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.0 Operational Detail - Mobile

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Summer

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.4210	14.2381	15.2334	0.0901	5.3310	0.1476	5.4787	1.4460	0.1405	1.5865		9,540.4127	9,540.4127	0.3749		9,549.7855
Unmitigated	1.4210	14.2381	15.2334	0.0901	5.3310	0.1476	5.4787	1.4460	0.1405	1.5865		9,540.4127	9,540.4127	0.3749		9,549.7855

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
General Light Industry	281.80	113.09	283.65	1,142,330	1,142,330
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
User Defined Industrial	56.91	21.35	51.49	743,342	743,342
Unrefrigerated Warehouse-No Rail	77.86	8.65	3.71	245,927	245,927
Total	416.57	143.09	338.85	2,131,599	2,131,599

4.3 Trip Type Information

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Summer

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
User Defined Industrial	40.00	8.40	6.90	100.00	0.00	0.00	100	0	0
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
General Light Industry	0.593400	0.048800	0.221500	0.130700	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.005600	0.000000	0.000000
Other Asphalt Surfaces	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
Parking Lot	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
User Defined Industrial	0.000000	0.000000	0.000000	0.000000	0.121800	0.048000	0.207500	0.622700	0.000000	0.000000	0.000000	0.000000	0.000000
Unrefrigerated Warehouse-No Rail	0.593400	0.048800	0.221500	0.130700	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.005600	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0272	0.2470	0.2075	1.4800e-003		0.0188	0.0188		0.0188	0.0188		296.3911	296.3911	5.6800e-003	5.4300e-003	298.1524
NaturalGas Unmitigated	0.0272	0.2470	0.2075	1.4800e-003		0.0188	0.0188		0.0188	0.0188		296.3911	296.3911	5.6800e-003	5.4300e-003	298.1524

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Summer

5.2 Energy by Land Use - NaturalGas**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Light Industry	2372.03	0.0256	0.2326	0.1953	1.4000e-003		0.0177	0.0177		0.0177	0.0177		279.0620	279.0620	5.3500e-003	5.1200e-003	280.7204
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	147.297	1.5900e-003	0.0144	0.0121	9.0000e-005		1.1000e-003	1.1000e-003		1.1000e-003	1.1000e-003		17.3291	17.3291	3.3000e-004	3.2000e-004	17.4320
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0272	0.2470	0.2075	1.4900e-003		0.0188	0.0188		0.0188	0.0188		296.3911	296.3911	5.6800e-003	5.4400e-003	298.1524

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Summer

5.2 Energy by Land Use - NaturalGas**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Light Industry	2.37203	0.0256	0.2326	0.1953	1.4000e-003		0.0177	0.0177		0.0177	0.0177		279.0620	279.0620	5.3500e-003	5.1200e-003	280.7204
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0.147297	1.5900e-003	0.0144	0.0121	9.0000e-005		1.1000e-003	1.1000e-003		1.1000e-003	1.1000e-003		17.3291	17.3291	3.3000e-004	3.2000e-004	17.4320
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0272	0.2470	0.2075	1.4900e-003		0.0188	0.0188		0.0188	0.0188		296.3911	296.3911	5.6800e-003	5.4400e-003	298.1524

6.0 Area Detail**6.1 Mitigation Measures Area**

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.8169	6.3000e-004	0.0693	1.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004		0.1484	0.1484	3.9000e-004		0.1581
Unmitigated	2.8169	6.3000e-004	0.0693	1.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004		0.1484	0.1484	3.9000e-004		0.1581

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3223					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.4881					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.4500e-003	6.3000e-004	0.0693	1.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004		0.1484	0.1484	3.9000e-004		0.1581
Total	2.8169	6.3000e-004	0.0693	1.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004		0.1484	0.1484	3.9000e-004		0.1581

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Summer

6.2 Area by SubCategory**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3223					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.4881					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.4500e-003	6.3000e-004	0.0693	1.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004		0.1484	0.1484	3.9000e-004		0.1581
Total	2.8169	6.3000e-004	0.0693	1.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004		0.1484	0.1484	3.9000e-004		0.1581

7.0 Water Detail**7.1 Mitigation Measures Water****8.0 Waste Detail****8.1 Mitigation Measures Waste****9.0 Operational Offroad**

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Tractors/Loaders/Backhoes	2	4.00	365	200	0.37	CNG

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Summer

UnMitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Tractors/Loaders/Backhoes	0.2440	2.5352	1.5172	6.3400e-003		0.0875	0.0875		0.0805	0.0805		613.5755	613.5755	0.1984		618.5365
Total	0.2440	2.5352	1.5172	6.3400e-003		0.0875	0.0875		0.0805	0.0805		613.5755	613.5755	0.1984		618.5365

10.0 Stationary Equipment**Fire Pumps and Emergency Generators**

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Winter

San Francisco Avenue (Proposed Project Operations)**Los Angeles-South Coast County, Winter****1.0 Project Characteristics****1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	61.80	1000sqft	1.42	61,798.00	0
User Defined Industrial	125.60	User Defined Unit	0.00	0.00	0
Other Asphalt Surfaces	51.84	1000sqft	1.19	51,836.00	0
Parking Lot	376.00	Space	1.46	58,572.00	0
City Park	0.81	Acre	0.81	35,405.00	0
Unrefrigerated Warehouse-No Rail	61.80	1000sqft	1.42	61,797.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9			Operational Year	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	564.66	CH4 Intensity (lb/MW hr)	0.023	N2O Intensity (lb/MW hr)	0.005

1.3 User Entered Comments & Non-Default Data

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Winter

Project Characteristics - Intensity factors adjusted to reflect the RPS for the 2022 Opening Year

Land Use - Total Project site is approximately 6.3 acres

Construction Phase - Operations run only

Off-road Equipment - Operations run only

Trips and VMT - Operations run only

Vehicle Trips - Trip characteristics based on information provided in the Traffic Assessment

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Energy Use - The Project will design building shells and building components to meet 2019 Title 24 Standards which expects 30% less energy for nonresidential uses

Operational Off-Road Equipment - Based on SCAQMD High Cube Warehouse Truck Trip Study White Paper Summary of Business Survey Results (2014)

Fleet Mix - Passenger Car Mix estimated based on the CalEEMod default fleet mix and the ratio of the vehicle classes (LDA, LDT1, LDT2, MDV, & MCY). Truck Mix based on information in the Traffic Analysis

Area Coating -

Water And Wastewater -

Solid Waste -

Table Name	Column Name	Default Value	New Value
tblEnergyUse	LightingElect	3.10	2.17
tblEnergyUse	T24E	2.25	1.58
tblEnergyUse	T24NG	13.65	9.56
tblFleetMix	HHD	0.03	0.00
tblFleetMix	HHD	0.03	0.62
tblFleetMix	HHD	0.03	0.00
tblFleetMix	LDA	0.55	0.59
tblFleetMix	LDA	0.55	0.00
tblFleetMix	LDA	0.55	0.59

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Winter

tblFleetMix	LDT1	0.04	0.05
tblFleetMix	LDT1	0.04	0.00
tblFleetMix	LDT1	0.04	0.05
tblFleetMix	LDT2	0.20	0.22
tblFleetMix	LDT2	0.20	0.00
tblFleetMix	LDT2	0.20	0.22
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD1	0.02	0.12
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD2	6.1960e-003	0.00
tblFleetMix	LHD2	6.1960e-003	0.05
tblFleetMix	LHD2	6.1960e-003	0.00
tblFleetMix	MCY	5.1420e-003	5.6000e-003
tblFleetMix	MCY	5.1420e-003	0.00
tblFleetMix	MCY	5.1420e-003	5.6000e-003
tblFleetMix	MDV	0.12	0.13
tblFleetMix	MDV	0.12	0.00
tblFleetMix	MDV	0.12	0.13
tblFleetMix	MH	8.7600e-004	0.00
tblFleetMix	MH	8.7600e-004	0.00
tblFleetMix	MH	8.7600e-004	0.00
tblFleetMix	MHD	0.02	0.00
tblFleetMix	MHD	0.02	0.21
tblFleetMix	MHD	0.02	0.00
tblFleetMix	OBUS	2.5150e-003	0.00
tblFleetMix	OBUS	2.5150e-003	0.00
tblFleetMix	OBUS	2.5150e-003	0.00

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Winter

tblFleetMix	SBUS	6.8700e-004	0.00
tblFleetMix	SBUS	6.8700e-004	0.00
tblFleetMix	SBUS	6.8700e-004	0.00
tblFleetMix	UBUS	2.2010e-003	0.00
tblFleetMix	UBUS	2.2010e-003	0.00
tblFleetMix	UBUS	2.2010e-003	0.00
tblLandUse	LandUseSquareFeet	51,840.00	51,836.00
tblLandUse	LandUseSquareFeet	150,400.00	58,572.00
tblLandUse	LandUseSquareFeet	35,283.60	35,405.00
tblLandUse	LotAcreage	3.38	1.46
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	365.00
tblOperationalOffRoadEquipment	OperFuelType	Diesel	CNG
tblOperationalOffRoadEquipment	OperHorsePower	97.00	200.00
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	4.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	2.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.023
tblProjectCharacteristics	CO2IntensityFactor	702.44	564.66
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.005
tblVehicleEF	HHD	0.62	0.03
tblVehicleEF	HHD	0.09	0.08
tblVehicleEF	HHD	0.08	1.0000e-006
tblVehicleEF	HHD	2.47	6.23
tblVehicleEF	HHD	1.15	0.58
tblVehicleEF	HHD	3.30	9.5390e-003

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Winter

tblVehicleEF	HHD	4,690.45	1,172.50
tblVehicleEF	HHD	1,639.83	1,482.70
tblVehicleEF	HHD	10.54	0.09
tblVehicleEF	HHD	20.39	6.32
tblVehicleEF	HHD	3.81	3.60
tblVehicleEF	HHD	19.54	2.06
tblVehicleEF	HHD	0.01	3.9370e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	8.7000e-005	2.0000e-006
tblVehicleEF	HHD	0.01	3.7670e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8380e-003	8.8970e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	8.0000e-005	1.0000e-006
tblVehicleEF	HHD	1.0500e-004	7.0000e-006
tblVehicleEF	HHD	4.6110e-003	2.7700e-004
tblVehicleEF	HHD	0.62	0.45
tblVehicleEF	HHD	7.9000e-005	5.0000e-006
tblVehicleEF	HHD	0.15	0.08
tblVehicleEF	HHD	3.9500e-004	1.5080e-003
tblVehicleEF	HHD	0.08	3.0000e-006
tblVehicleEF	HHD	0.04	0.01
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.6000e-004	1.0000e-006
tblVehicleEF	HHD	1.0500e-004	7.0000e-006

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Winter

tblVehicleEF	HHD	4.6110e-003	2.7700e-004
tblVehicleEF	HHD	0.72	0.52
tblVehicleEF	HHD	7.9000e-005	5.0000e-006
tblVehicleEF	HHD	0.25	0.17
tblVehicleEF	HHD	3.9500e-004	1.5080e-003
tblVehicleEF	HHD	0.09	3.0000e-006
tblVehicleEF	HHD	0.58	0.03
tblVehicleEF	HHD	0.10	0.08
tblVehicleEF	HHD	0.07	1.0000e-006
tblVehicleEF	HHD	1.80	6.09
tblVehicleEF	HHD	1.16	0.59
tblVehicleEF	HHD	3.13	9.0610e-003
tblVehicleEF	HHD	4,968.94	1,168.97
tblVehicleEF	HHD	1,639.83	1,482.70
tblVehicleEF	HHD	10.54	0.09
tblVehicleEF	HHD	21.04	6.13
tblVehicleEF	HHD	3.60	3.41
tblVehicleEF	HHD	19.53	2.06
tblVehicleEF	HHD	0.01	3.4420e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	8.7000e-005	2.0000e-006
tblVehicleEF	HHD	0.01	3.2930e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8380e-003	8.8970e-003
tblVehicleEF	HHD	0.01	0.03

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Winter

tblVehicleEF	HHD	8.0000e-005	1.0000e-006
tblVehicleEF	HHD	1.6000e-004	1.1000e-005
tblVehicleEF	HHD	4.7280e-003	2.8200e-004
tblVehicleEF	HHD	0.58	0.47
tblVehicleEF	HHD	1.1400e-004	8.0000e-006
tblVehicleEF	HHD	0.15	0.08
tblVehicleEF	HHD	3.8400e-004	1.4870e-003
tblVehicleEF	HHD	0.08	3.0000e-006
tblVehicleEF	HHD	0.05	0.01
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.5700e-004	1.0000e-006
tblVehicleEF	HHD	1.6000e-004	1.1000e-005
tblVehicleEF	HHD	4.7280e-003	2.8200e-004
tblVehicleEF	HHD	0.68	0.55
tblVehicleEF	HHD	1.1400e-004	8.0000e-006
tblVehicleEF	HHD	0.25	0.17
tblVehicleEF	HHD	3.8400e-004	1.4870e-003
tblVehicleEF	HHD	0.08	3.0000e-006
tblVehicleEF	HHD	0.67	0.02
tblVehicleEF	HHD	0.09	3.6360e-003
tblVehicleEF	HHD	0.08	1.0000e-006
tblVehicleEF	HHD	3.41	6.32
tblVehicleEF	HHD	1.15	0.38
tblVehicleEF	HHD	3.33	9.6340e-003
tblVehicleEF	HHD	4,305.87	1,158.96
tblVehicleEF	HHD	1,639.83	1,430.09
tblVehicleEF	HHD	10.54	0.09

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Winter

tblVehicleEF	HHD	19.48	6.47
tblVehicleEF	HHD	3.75	3.49
tblVehicleEF	HHD	19.55	2.06
tblVehicleEF	HHD	0.02	4.3710e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	8.7000e-005	2.0000e-006
tblVehicleEF	HHD	0.02	4.1820e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8380e-003	8.7580e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	8.0000e-005	1.0000e-006
tblVehicleEF	HHD	1.0300e-004	8.0000e-006
tblVehicleEF	HHD	4.9260e-003	3.1500e-004
tblVehicleEF	HHD	0.66	0.42
tblVehicleEF	HHD	7.7000e-005	5.0000e-006
tblVehicleEF	HHD	0.15	0.08
tblVehicleEF	HHD	4.2900e-004	1.6010e-003
tblVehicleEF	HHD	0.08	3.0000e-006
tblVehicleEF	HHD	0.04	0.01
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.6000e-004	1.0000e-006
tblVehicleEF	HHD	1.0300e-004	8.0000e-006
tblVehicleEF	HHD	4.9260e-003	3.1500e-004
tblVehicleEF	HHD	0.78	0.48
tblVehicleEF	HHD	7.7000e-005	5.0000e-006

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Winter

tblVehicleEF	HHD	0.25	0.09
tblVehicleEF	HHD	4.2900e-004	1.6010e-003
tblVehicleEF	HHD	0.09	3.0000e-006
tblVehicleEF	LDA	5.3420e-003	3.0240e-003
tblVehicleEF	LDA	5.4040e-003	0.05
tblVehicleEF	LDA	0.66	0.72
tblVehicleEF	LDA	1.15	2.10
tblVehicleEF	LDA	274.33	272.47
tblVehicleEF	LDA	57.08	53.62
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.07	0.18
tblVehicleEF	LDA	2.1700e-003	1.8010e-003
tblVehicleEF	LDA	2.2660e-003	1.8420e-003
tblVehicleEF	LDA	2.0000e-003	1.6590e-003
tblVehicleEF	LDA	2.0830e-003	1.6940e-003
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.21
tblVehicleEF	LDA	0.07	0.22
tblVehicleEF	LDA	2.7480e-003	2.6780e-003
tblVehicleEF	LDA	5.9000e-004	5.2700e-004
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.02	0.02

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Winter

tblVehicleEF	LDA	0.04	0.21
tblVehicleEF	LDA	0.08	0.25
tblVehicleEF	LDA	5.6740e-003	3.2280e-003
tblVehicleEF	LDA	4.8010e-003	0.04
tblVehicleEF	LDA	0.72	0.79
tblVehicleEF	LDA	0.98	1.79
tblVehicleEF	LDA	287.10	284.40
tblVehicleEF	LDA	57.08	53.05
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.06	0.17
tblVehicleEF	LDA	2.1700e-003	1.8010e-003
tblVehicleEF	LDA	2.2660e-003	1.8420e-003
tblVehicleEF	LDA	2.0000e-003	1.6590e-003
tblVehicleEF	LDA	2.0830e-003	1.6940e-003
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.11	0.10
tblVehicleEF	LDA	0.05	0.07
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.20
tblVehicleEF	LDA	0.06	0.20
tblVehicleEF	LDA	2.8760e-003	2.7950e-003
tblVehicleEF	LDA	5.8700e-004	5.2200e-004
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.11	0.10
tblVehicleEF	LDA	0.05	0.07
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.20

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Winter

tblVehicleEF	LDA	0.07	0.22
tblVehicleEF	LDA	5.2330e-003	2.9600e-003
tblVehicleEF	LDA	5.5300e-003	0.05
tblVehicleEF	LDA	0.63	0.69
tblVehicleEF	LDA	1.19	2.17
tblVehicleEF	LDA	269.66	268.07
tblVehicleEF	LDA	57.08	53.75
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.07	0.19
tblVehicleEF	LDA	2.1700e-003	1.8010e-003
tblVehicleEF	LDA	2.2660e-003	1.8420e-003
tblVehicleEF	LDA	2.0000e-003	1.6590e-003
tblVehicleEF	LDA	2.0830e-003	1.6940e-003
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.05	0.24
tblVehicleEF	LDA	0.07	0.23
tblVehicleEF	LDA	2.7010e-003	2.6350e-003
tblVehicleEF	LDA	5.9100e-004	5.2800e-004
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.05	0.24
tblVehicleEF	LDA	0.08	0.25

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Winter

tblVehicleEF	LDT1	0.02	7.7270e-003
tblVehicleEF	LDT1	0.01	0.07
tblVehicleEF	LDT1	1.68	1.45
tblVehicleEF	LDT1	2.78	2.27
tblVehicleEF	LDT1	341.15	320.55
tblVehicleEF	LDT1	69.44	63.67
tblVehicleEF	LDT1	0.16	0.12
tblVehicleEF	LDT1	0.16	0.26
tblVehicleEF	LDT1	3.5390e-003	2.7170e-003
tblVehicleEF	LDT1	3.4320e-003	2.6310e-003
tblVehicleEF	LDT1	3.2590e-003	2.5000e-003
tblVehicleEF	LDT1	3.1560e-003	2.4190e-003
tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	0.26	0.20
tblVehicleEF	LDT1	0.11	0.11
tblVehicleEF	LDT1	0.04	0.03
tblVehicleEF	LDT1	0.17	0.69
tblVehicleEF	LDT1	0.19	0.35
tblVehicleEF	LDT1	3.4330e-003	3.1520e-003
tblVehicleEF	LDT1	7.4300e-004	6.2600e-004
tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	0.26	0.20
tblVehicleEF	LDT1	0.11	0.11
tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.17	0.69
tblVehicleEF	LDT1	0.21	0.39
tblVehicleEF	LDT1	0.02	8.1770e-003

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Winter

tblVehicleEF	LDT1	0.01	0.06
tblVehicleEF	LDT1	1.82	1.58
tblVehicleEF	LDT1	2.36	1.93
tblVehicleEF	LDT1	356.02	332.71
tblVehicleEF	LDT1	69.44	63.00
tblVehicleEF	LDT1	0.14	0.10
tblVehicleEF	LDT1	0.15	0.24
tblVehicleEF	LDT1	3.5390e-003	2.7170e-003
tblVehicleEF	LDT1	3.4320e-003	2.6310e-003
tblVehicleEF	LDT1	3.2590e-003	2.5000e-003
tblVehicleEF	LDT1	3.1560e-003	2.4190e-003
tblVehicleEF	LDT1	0.20	0.20
tblVehicleEF	LDT1	0.28	0.21
tblVehicleEF	LDT1	0.15	0.15
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.16	0.64
tblVehicleEF	LDT1	0.17	0.31
tblVehicleEF	LDT1	3.5840e-003	3.2710e-003
tblVehicleEF	LDT1	7.3600e-004	6.1900e-004
tblVehicleEF	LDT1	0.20	0.20
tblVehicleEF	LDT1	0.28	0.21
tblVehicleEF	LDT1	0.15	0.15
tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.16	0.64
tblVehicleEF	LDT1	0.18	0.34
tblVehicleEF	LDT1	0.02	7.5820e-003
tblVehicleEF	LDT1	0.01	0.07

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Winter

tblVehicleEF	LDT1	1.63	1.41
tblVehicleEF	LDT1	2.87	2.35
tblVehicleEF	LDT1	335.69	316.06
tblVehicleEF	LDT1	69.44	63.82
tblVehicleEF	LDT1	0.15	0.12
tblVehicleEF	LDT1	0.16	0.26
tblVehicleEF	LDT1	3.5390e-003	2.7170e-003
tblVehicleEF	LDT1	3.4320e-003	2.6310e-003
tblVehicleEF	LDT1	3.2590e-003	2.5000e-003
tblVehicleEF	LDT1	3.1560e-003	2.4190e-003
tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	0.30	0.22
tblVehicleEF	LDT1	0.10	0.10
tblVehicleEF	LDT1	0.04	0.03
tblVehicleEF	LDT1	0.20	0.82
tblVehicleEF	LDT1	0.20	0.36
tblVehicleEF	LDT1	3.3780e-003	3.1070e-003
tblVehicleEF	LDT1	7.4500e-004	6.2800e-004
tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	0.30	0.22
tblVehicleEF	LDT1	0.10	0.10
tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.20	0.82
tblVehicleEF	LDT1	0.21	0.40
tblVehicleEF	LDT2	7.2180e-003	4.9730e-003
tblVehicleEF	LDT2	6.3970e-003	0.07
tblVehicleEF	LDT2	0.84	1.02

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Winter

tblVehicleEF	LDT2	1.35	2.65
tblVehicleEF	LDT2	381.91	343.42
tblVehicleEF	LDT2	78.07	68.73
tblVehicleEF	LDT2	0.08	0.09
tblVehicleEF	LDT2	0.11	0.28
tblVehicleEF	LDT2	2.1510e-003	1.9110e-003
tblVehicleEF	LDT2	2.3580e-003	1.8910e-003
tblVehicleEF	LDT2	1.9790e-003	1.7590e-003
tblVehicleEF	LDT2	2.1690e-003	1.7390e-003
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.10	0.12
tblVehicleEF	LDT2	0.05	0.07
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.41
tblVehicleEF	LDT2	0.09	0.31
tblVehicleEF	LDT2	3.8260e-003	3.3760e-003
tblVehicleEF	LDT2	8.0300e-004	6.7600e-004
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.10	0.12
tblVehicleEF	LDT2	0.05	0.07
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.06	0.41
tblVehicleEF	LDT2	0.09	0.34
tblVehicleEF	LDT2	7.6530e-003	5.2910e-003
tblVehicleEF	LDT2	5.6920e-003	0.06
tblVehicleEF	LDT2	0.92	1.12
tblVehicleEF	LDT2	1.15	2.26

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Winter

tblVehicleEF	LDT2	399.04	355.31
tblVehicleEF	LDT2	78.07	67.99
tblVehicleEF	LDT2	0.07	0.08
tblVehicleEF	LDT2	0.10	0.26
tblVehicleEF	LDT2	2.1510e-003	1.9110e-003
tblVehicleEF	LDT2	2.3580e-003	1.8910e-003
tblVehicleEF	LDT2	1.9790e-003	1.7590e-003
tblVehicleEF	LDT2	2.1690e-003	1.7390e-003
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.10	0.13
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.38
tblVehicleEF	LDT2	0.08	0.28
tblVehicleEF	LDT2	3.9980e-003	3.4930e-003
tblVehicleEF	LDT2	8.0000e-004	6.6800e-004
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.10	0.13
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.06	0.38
tblVehicleEF	LDT2	0.08	0.31
tblVehicleEF	LDT2	7.0750e-003	4.8730e-003
tblVehicleEF	LDT2	6.5470e-003	0.07
tblVehicleEF	LDT2	0.81	0.99
tblVehicleEF	LDT2	1.39	2.74
tblVehicleEF	LDT2	375.62	339.02

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Winter

tblVehicleEF	LDT2	78.07	68.90
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.11	0.28
tblVehicleEF	LDT2	2.1510e-003	1.9110e-003
tblVehicleEF	LDT2	2.3580e-003	1.8910e-003
tblVehicleEF	LDT2	1.9790e-003	1.7590e-003
tblVehicleEF	LDT2	2.1690e-003	1.7390e-003
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.11	0.13
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.48
tblVehicleEF	LDT2	0.09	0.32
tblVehicleEF	LDT2	3.7630e-003	3.3320e-003
tblVehicleEF	LDT2	8.0400e-004	6.7700e-004
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.11	0.13
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.07	0.48
tblVehicleEF	LDT2	0.10	0.35
tblVehicleEF	LHD1	5.5970e-003	5.6110e-003
tblVehicleEF	LHD1	0.01	5.6770e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.19
tblVehicleEF	LHD1	0.84	0.65
tblVehicleEF	LHD1	2.79	1.14

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Winter

tblVehicleEF	LHD1	8.92	8.88
tblVehicleEF	LHD1	603.81	667.04
tblVehicleEF	LHD1	33.34	12.48
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.95	0.63
tblVehicleEF	LHD1	1.01	0.34
tblVehicleEF	LHD1	8.2600e-004	7.5000e-004
tblVehicleEF	LHD1	0.01	9.6680e-003
tblVehicleEF	LHD1	9.1270e-003	6.2840e-003
tblVehicleEF	LHD1	1.0140e-003	2.8500e-004
tblVehicleEF	LHD1	7.9000e-004	7.1700e-004
tblVehicleEF	LHD1	2.5160e-003	2.4170e-003
tblVehicleEF	LHD1	8.7050e-003	5.9830e-003
tblVehicleEF	LHD1	9.3300e-004	2.6200e-004
tblVehicleEF	LHD1	3.1460e-003	2.5540e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.9140e-003	1.5610e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.31	0.55
tblVehicleEF	LHD1	0.27	0.08
tblVehicleEF	LHD1	9.0000e-005	8.6000e-005
tblVehicleEF	LHD1	5.9300e-003	6.5150e-003
tblVehicleEF	LHD1	3.8500e-004	1.2400e-004
tblVehicleEF	LHD1	3.1460e-003	2.5540e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.02	0.03

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Winter

tblVehicleEF	LHD1	1.9140e-003	1.5610e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.31	0.55
tblVehicleEF	LHD1	0.29	0.09
tblVehicleEF	LHD1	5.5970e-003	5.6230e-003
tblVehicleEF	LHD1	0.01	5.7930e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.19
tblVehicleEF	LHD1	0.85	0.66
tblVehicleEF	LHD1	2.66	1.09
tblVehicleEF	LHD1	8.92	8.88
tblVehicleEF	LHD1	603.81	667.06
tblVehicleEF	LHD1	33.34	12.39
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.89	0.59
tblVehicleEF	LHD1	0.96	0.32
tblVehicleEF	LHD1	8.2600e-004	7.5000e-004
tblVehicleEF	LHD1	0.01	9.6680e-003
tblVehicleEF	LHD1	9.1270e-003	6.2840e-003
tblVehicleEF	LHD1	1.0140e-003	2.8500e-004
tblVehicleEF	LHD1	7.9000e-004	7.1700e-004
tblVehicleEF	LHD1	2.5160e-003	2.4170e-003
tblVehicleEF	LHD1	8.7050e-003	5.9830e-003
tblVehicleEF	LHD1	9.3300e-004	2.6200e-004
tblVehicleEF	LHD1	4.7100e-003	3.7600e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.02

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Winter

tblVehicleEF	LHD1	2.6900e-003	2.1600e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.30	0.53
tblVehicleEF	LHD1	0.26	0.08
tblVehicleEF	LHD1	9.0000e-005	8.6000e-005
tblVehicleEF	LHD1	5.9310e-003	6.5150e-003
tblVehicleEF	LHD1	3.8300e-004	1.2300e-004
tblVehicleEF	LHD1	4.7100e-003	3.7600e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	2.6900e-003	2.1600e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.30	0.53
tblVehicleEF	LHD1	0.28	0.08
tblVehicleEF	LHD1	5.5970e-003	5.6090e-003
tblVehicleEF	LHD1	0.01	5.6460e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.19
tblVehicleEF	LHD1	0.83	0.64
tblVehicleEF	LHD1	2.81	1.15
tblVehicleEF	LHD1	8.92	8.88
tblVehicleEF	LHD1	603.81	667.03
tblVehicleEF	LHD1	33.34	12.50
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.94	0.62
tblVehicleEF	LHD1	1.01	0.34
tblVehicleEF	LHD1	8.2600e-004	7.5000e-004

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Winter

tblVehicleEF	LHD1	0.01	9.6680e-003
tblVehicleEF	LHD1	9.1270e-003	6.2840e-003
tblVehicleEF	LHD1	1.0140e-003	2.8500e-004
tblVehicleEF	LHD1	7.9000e-004	7.1700e-004
tblVehicleEF	LHD1	2.5160e-003	2.4170e-003
tblVehicleEF	LHD1	8.7050e-003	5.9830e-003
tblVehicleEF	LHD1	9.3300e-004	2.6200e-004
tblVehicleEF	LHD1	3.3080e-003	2.6900e-003
tblVehicleEF	LHD1	0.12	0.09
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.8850e-003	1.5400e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.33	0.60
tblVehicleEF	LHD1	0.27	0.08
tblVehicleEF	LHD1	9.0000e-005	8.6000e-005
tblVehicleEF	LHD1	5.9300e-003	6.5150e-003
tblVehicleEF	LHD1	3.8600e-004	1.2400e-004
tblVehicleEF	LHD1	3.3080e-003	2.6900e-003
tblVehicleEF	LHD1	0.12	0.09
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.8850e-003	1.5400e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.33	0.60
tblVehicleEF	LHD1	0.29	0.09
tblVehicleEF	LHD2	4.0020e-003	3.9440e-003
tblVehicleEF	LHD2	4.2980e-003	3.9460e-003
tblVehicleEF	LHD2	8.5190e-003	0.01

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Winter

tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.34	0.44
tblVehicleEF	LHD2	1.37	0.77
tblVehicleEF	LHD2	13.57	13.40
tblVehicleEF	LHD2	617.83	668.37
tblVehicleEF	LHD2	27.88	9.65
tblVehicleEF	LHD2	0.09	0.08
tblVehicleEF	LHD2	0.65	0.81
tblVehicleEF	LHD2	0.55	0.23
tblVehicleEF	LHD2	1.1620e-003	1.2440e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8510e-003	9.8680e-003
tblVehicleEF	LHD2	4.6900e-004	1.6300e-004
tblVehicleEF	LHD2	1.1110e-003	1.1900e-003
tblVehicleEF	LHD2	2.6540e-003	2.6300e-003
tblVehicleEF	LHD2	8.4540e-003	9.4240e-003
tblVehicleEF	LHD2	4.3100e-004	1.5000e-004
tblVehicleEF	LHD2	1.1380e-003	1.5770e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.4500e-004	9.7800e-004
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.08	0.35
tblVehicleEF	LHD2	0.11	0.06
tblVehicleEF	LHD2	1.3300e-004	1.2900e-004
tblVehicleEF	LHD2	6.0210e-003	6.4710e-003
tblVehicleEF	LHD2	3.0400e-004	9.5000e-005

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Winter

tblVehicleEF	LHD2	1.1380e-003	1.5770e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.4500e-004	9.7800e-004
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.08	0.35
tblVehicleEF	LHD2	0.13	0.06
tblVehicleEF	LHD2	4.0020e-003	3.9530e-003
tblVehicleEF	LHD2	4.3570e-003	3.9910e-003
tblVehicleEF	LHD2	8.2260e-003	0.01
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.35	0.44
tblVehicleEF	LHD2	1.31	0.74
tblVehicleEF	LHD2	13.57	13.40
tblVehicleEF	LHD2	617.83	668.38
tblVehicleEF	LHD2	27.88	9.59
tblVehicleEF	LHD2	0.09	0.08
tblVehicleEF	LHD2	0.61	0.76
tblVehicleEF	LHD2	0.53	0.22
tblVehicleEF	LHD2	1.1620e-003	1.2440e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8510e-003	9.8680e-003
tblVehicleEF	LHD2	4.6900e-004	1.6300e-004
tblVehicleEF	LHD2	1.1110e-003	1.1900e-003
tblVehicleEF	LHD2	2.6540e-003	2.6300e-003
tblVehicleEF	LHD2	8.4540e-003	9.4240e-003
tblVehicleEF	LHD2	4.3100e-004	1.5000e-004

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Winter

tblVehicleEF	LHD2	1.6960e-003	2.3210e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.0400e-003	1.3550e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.08	0.34
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	1.3300e-004	1.2900e-004
tblVehicleEF	LHD2	6.0210e-003	6.4710e-003
tblVehicleEF	LHD2	3.0300e-004	9.5000e-005
tblVehicleEF	LHD2	1.6960e-003	2.3210e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.0400e-003	1.3550e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.08	0.34
tblVehicleEF	LHD2	0.12	0.06
tblVehicleEF	LHD2	4.0020e-003	3.9420e-003
tblVehicleEF	LHD2	4.2820e-003	3.9330e-003
tblVehicleEF	LHD2	8.5780e-003	0.01
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.34	0.43
tblVehicleEF	LHD2	1.38	0.78
tblVehicleEF	LHD2	13.57	13.40
tblVehicleEF	LHD2	617.83	668.37
tblVehicleEF	LHD2	27.88	9.66
tblVehicleEF	LHD2	0.09	0.08

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Winter

tblVehicleEF	LHD2	0.64	0.80
tblVehicleEF	LHD2	0.56	0.24
tblVehicleEF	LHD2	1.1620e-003	1.2440e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8510e-003	9.8680e-003
tblVehicleEF	LHD2	4.6900e-004	1.6300e-004
tblVehicleEF	LHD2	1.1110e-003	1.1900e-003
tblVehicleEF	LHD2	2.6540e-003	2.6300e-003
tblVehicleEF	LHD2	8.4540e-003	9.4240e-003
tblVehicleEF	LHD2	4.3100e-004	1.5000e-004
tblVehicleEF	LHD2	1.1610e-003	1.6340e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.2300e-004	9.5000e-004
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.09	0.39
tblVehicleEF	LHD2	0.12	0.06
tblVehicleEF	LHD2	1.3300e-004	1.2900e-004
tblVehicleEF	LHD2	6.0210e-003	6.4710e-003
tblVehicleEF	LHD2	3.0400e-004	9.6000e-005
tblVehicleEF	LHD2	1.1610e-003	1.6340e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.2300e-004	9.5000e-004
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.09	0.39
tblVehicleEF	LHD2	0.13	0.06

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Winter

tblVehicleEF	MCY	0.54	0.38
tblVehicleEF	MCY	0.15	0.23
tblVehicleEF	MCY	18.94	19.11
tblVehicleEF	MCY	9.66	8.52
tblVehicleEF	MCY	188.92	223.68
tblVehicleEF	MCY	44.52	59.56
tblVehicleEF	MCY	1.13	1.13
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	2.4360e-003	2.4430e-003
tblVehicleEF	MCY	3.8630e-003	3.2940e-003
tblVehicleEF	MCY	2.2770e-003	2.2830e-003
tblVehicleEF	MCY	3.6360e-003	3.1000e-003
tblVehicleEF	MCY	1.06	1.08
tblVehicleEF	MCY	0.63	0.65
tblVehicleEF	MCY	0.65	0.66
tblVehicleEF	MCY	2.60	2.61
tblVehicleEF	MCY	0.60	1.98
tblVehicleEF	MCY	2.05	1.81
tblVehicleEF	MCY	2.2780e-003	2.2130e-003
tblVehicleEF	MCY	6.6300e-004	5.8900e-004
tblVehicleEF	MCY	1.06	1.08
tblVehicleEF	MCY	0.63	0.65
tblVehicleEF	MCY	0.65	0.66
tblVehicleEF	MCY	3.23	3.25
tblVehicleEF	MCY	0.60	1.98
tblVehicleEF	MCY	2.23	1.97
tblVehicleEF	MCY	0.53	0.37

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Winter

tblVehicleEF	MCY	0.13	0.21
tblVehicleEF	MCY	18.24	18.37
tblVehicleEF	MCY	8.82	7.76
tblVehicleEF	MCY	188.92	222.28
tblVehicleEF	MCY	44.52	57.67
tblVehicleEF	MCY	0.99	0.99
tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	2.4360e-003	2.4430e-003
tblVehicleEF	MCY	3.8630e-003	3.2940e-003
tblVehicleEF	MCY	2.2770e-003	2.2830e-003
tblVehicleEF	MCY	3.6360e-003	3.1000e-003
tblVehicleEF	MCY	1.73	1.72
tblVehicleEF	MCY	0.70	0.71
tblVehicleEF	MCY	1.07	1.07
tblVehicleEF	MCY	2.54	2.55
tblVehicleEF	MCY	0.56	1.86
tblVehicleEF	MCY	1.83	1.61
tblVehicleEF	MCY	2.2650e-003	2.2000e-003
tblVehicleEF	MCY	6.4300e-004	5.7100e-004
tblVehicleEF	MCY	1.73	1.72
tblVehicleEF	MCY	0.70	0.71
tblVehicleEF	MCY	1.07	1.07
tblVehicleEF	MCY	3.16	3.17
tblVehicleEF	MCY	0.56	1.86
tblVehicleEF	MCY	1.99	1.75
tblVehicleEF	MCY	0.54	0.38
tblVehicleEF	MCY	0.15	0.24

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Winter

tblVehicleEF	MCY	19.04	19.25
tblVehicleEF	MCY	9.80	8.66
tblVehicleEF	MCY	188.92	223.96
tblVehicleEF	MCY	44.52	59.94
tblVehicleEF	MCY	1.11	1.11
tblVehicleEF	MCY	0.31	0.27
tblVehicleEF	MCY	2.4360e-003	2.4430e-003
tblVehicleEF	MCY	3.8630e-003	3.2940e-003
tblVehicleEF	MCY	2.2770e-003	2.2830e-003
tblVehicleEF	MCY	3.6360e-003	3.1000e-003
tblVehicleEF	MCY	1.16	1.18
tblVehicleEF	MCY	0.82	0.84
tblVehicleEF	MCY	0.62	0.64
tblVehicleEF	MCY	2.61	2.63
tblVehicleEF	MCY	0.69	2.28
tblVehicleEF	MCY	2.09	1.86
tblVehicleEF	MCY	2.2800e-003	2.2160e-003
tblVehicleEF	MCY	6.6700e-004	5.9300e-004
tblVehicleEF	MCY	1.16	1.18
tblVehicleEF	MCY	0.82	0.84
tblVehicleEF	MCY	0.62	0.64
tblVehicleEF	MCY	3.25	3.26
tblVehicleEF	MCY	0.69	2.28
tblVehicleEF	MCY	2.28	2.02
tblVehicleEF	MDV	0.01	6.5350e-003
tblVehicleEF	MDV	0.01	0.08
tblVehicleEF	MDV	1.33	1.22

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Winter

tblVehicleEF	MDV	2.48	3.10
tblVehicleEF	MDV	512.22	421.49
tblVehicleEF	MDV	103.14	83.59
tblVehicleEF	MDV	0.15	0.11
tblVehicleEF	MDV	0.22	0.34
tblVehicleEF	MDV	2.3560e-003	2.0880e-003
tblVehicleEF	MDV	2.5140e-003	2.0610e-003
tblVehicleEF	MDV	2.1720e-003	1.9250e-003
tblVehicleEF	MDV	2.3120e-003	1.8950e-003
tblVehicleEF	MDV	0.07	0.08
tblVehicleEF	MDV	0.15	0.14
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.09	0.43
tblVehicleEF	MDV	0.19	0.40
tblVehicleEF	MDV	5.1310e-003	4.1410e-003
tblVehicleEF	MDV	1.0750e-003	8.2200e-004
tblVehicleEF	MDV	0.07	0.08
tblVehicleEF	MDV	0.15	0.14
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.09	0.43
tblVehicleEF	MDV	0.21	0.44
tblVehicleEF	MDV	0.01	6.9310e-003
tblVehicleEF	MDV	0.01	0.07
tblVehicleEF	MDV	1.45	1.32
tblVehicleEF	MDV	2.12	2.63

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Winter

tblVehicleEF	MDV	534.67	433.96
tblVehicleEF	MDV	103.14	82.70
tblVehicleEF	MDV	0.13	0.10
tblVehicleEF	MDV	0.20	0.32
tblVehicleEF	MDV	2.3560e-003	2.0880e-003
tblVehicleEF	MDV	2.5140e-003	2.0610e-003
tblVehicleEF	MDV	2.1720e-003	1.9250e-003
tblVehicleEF	MDV	2.3120e-003	1.8950e-003
tblVehicleEF	MDV	0.10	0.13
tblVehicleEF	MDV	0.16	0.14
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.08	0.40
tblVehicleEF	MDV	0.17	0.36
tblVehicleEF	MDV	5.3570e-003	4.2630e-003
tblVehicleEF	MDV	1.0680e-003	8.1300e-004
tblVehicleEF	MDV	0.10	0.13
tblVehicleEF	MDV	0.16	0.15
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.08	0.40
tblVehicleEF	MDV	0.18	0.39
tblVehicleEF	MDV	0.01	6.4070e-003
tblVehicleEF	MDV	0.01	0.08
tblVehicleEF	MDV	1.29	1.18
tblVehicleEF	MDV	2.56	3.21
tblVehicleEF	MDV	503.99	416.89

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Winter

tblVehicleEF	MDV	103.14	83.79
tblVehicleEF	MDV	0.14	0.11
tblVehicleEF	MDV	0.22	0.35
tblVehicleEF	MDV	2.3560e-003	2.0880e-003
tblVehicleEF	MDV	2.5140e-003	2.0610e-003
tblVehicleEF	MDV	2.1720e-003	1.9250e-003
tblVehicleEF	MDV	2.3120e-003	1.8950e-003
tblVehicleEF	MDV	0.06	0.08
tblVehicleEF	MDV	0.16	0.15
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.10	0.50
tblVehicleEF	MDV	0.19	0.41
tblVehicleEF	MDV	5.0480e-003	4.0950e-003
tblVehicleEF	MDV	1.0760e-003	8.2400e-004
tblVehicleEF	MDV	0.06	0.08
tblVehicleEF	MDV	0.16	0.15
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.10	0.50
tblVehicleEF	MDV	0.21	0.45
tblVehicleEF	MH	0.03	3.1210e-003
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	2.24	0.27
tblVehicleEF	MH	5.78	0.00
tblVehicleEF	MH	1,130.03	965.33
tblVehicleEF	MH	60.43	0.00

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Winter

tblVehicleEF	MH	1.08	3.43
tblVehicleEF	MH	0.80	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.02	0.07
tblVehicleEF	MH	1.1280e-003	0.00
tblVehicleEF	MH	3.2020e-003	4.0000e-003
tblVehicleEF	MH	0.02	0.07
tblVehicleEF	MH	1.0370e-003	0.00
tblVehicleEF	MH	0.95	0.00
tblVehicleEF	MH	0.07	0.00
tblVehicleEF	MH	0.41	0.00
tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.33	0.00
tblVehicleEF	MH	0.01	9.1260e-003
tblVehicleEF	MH	7.0500e-004	0.00
tblVehicleEF	MH	0.95	0.00
tblVehicleEF	MH	0.07	0.00
tblVehicleEF	MH	0.41	0.00
tblVehicleEF	MH	0.12	0.08
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.36	0.00
tblVehicleEF	MH	0.03	3.1210e-003
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	2.30	0.27
tblVehicleEF	MH	5.44	0.00
tblVehicleEF	MH	1,130.03	965.33

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Winter

tblVehicleEF	MH	60.43	0.00
tblVehicleEF	MH	0.99	3.24
tblVehicleEF	MH	0.76	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.02	0.07
tblVehicleEF	MH	1.1280e-003	0.00
tblVehicleEF	MH	3.2020e-003	4.0000e-003
tblVehicleEF	MH	0.02	0.07
tblVehicleEF	MH	1.0370e-003	0.00
tblVehicleEF	MH	1.41	0.00
tblVehicleEF	MH	0.07	0.00
tblVehicleEF	MH	0.58	0.00
tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.31	0.00
tblVehicleEF	MH	0.01	9.1260e-003
tblVehicleEF	MH	6.9900e-004	0.00
tblVehicleEF	MH	1.41	0.00
tblVehicleEF	MH	0.07	0.00
tblVehicleEF	MH	0.58	0.00
tblVehicleEF	MH	0.12	0.08
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.34	0.00
tblVehicleEF	MH	0.03	3.1210e-003
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	2.22	0.27
tblVehicleEF	MH	5.83	0.00

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Winter

tblVehicleEF	MH	1,130.03	965.33
tblVehicleEF	MH	60.43	0.00
tblVehicleEF	MH	1.06	3.37
tblVehicleEF	MH	0.80	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.02	0.07
tblVehicleEF	MH	1.1280e-003	0.00
tblVehicleEF	MH	3.2020e-003	4.0000e-003
tblVehicleEF	MH	0.02	0.07
tblVehicleEF	MH	1.0370e-003	0.00
tblVehicleEF	MH	1.08	0.00
tblVehicleEF	MH	0.08	0.00
tblVehicleEF	MH	0.42	0.00
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.33	0.00
tblVehicleEF	MH	0.01	9.1260e-003
tblVehicleEF	MH	7.0600e-004	0.00
tblVehicleEF	MH	1.08	0.00
tblVehicleEF	MH	0.08	0.00
tblVehicleEF	MH	0.42	0.00
tblVehicleEF	MH	0.12	0.08
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.36	0.00
tblVehicleEF	MHD	0.02	4.4240e-003
tblVehicleEF	MHD	4.8560e-003	4.6020e-003
tblVehicleEF	MHD	0.05	0.01

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Winter

tblVehicleEF	MHD	0.37	0.39
tblVehicleEF	MHD	0.37	0.47
tblVehicleEF	MHD	6.14	1.44
tblVehicleEF	MHD	132.92	67.32
tblVehicleEF	MHD	1,150.98	1,070.87
tblVehicleEF	MHD	63.58	12.17
tblVehicleEF	MHD	0.49	0.47
tblVehicleEF	MHD	1.14	1.63
tblVehicleEF	MHD	9.96	1.29
tblVehicleEF	MHD	2.4800e-004	1.0730e-003
tblVehicleEF	MHD	5.1090e-003	0.03
tblVehicleEF	MHD	8.4300e-004	1.3800e-004
tblVehicleEF	MHD	2.3800e-004	1.0270e-003
tblVehicleEF	MHD	4.8830e-003	0.03
tblVehicleEF	MHD	7.7600e-004	1.2700e-004
tblVehicleEF	MHD	1.1350e-003	6.6800e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	7.4200e-004	4.3000e-004
tblVehicleEF	MHD	0.05	0.06
tblVehicleEF	MHD	0.02	0.14
tblVehicleEF	MHD	0.37	0.07
tblVehicleEF	MHD	1.2810e-003	6.4000e-004
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.4300e-004	1.2000e-004
tblVehicleEF	MHD	1.1350e-003	6.6800e-004
tblVehicleEF	MHD	0.05	0.03

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Winter

tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	7.4200e-004	4.3000e-004
tblVehicleEF	MHD	0.05	0.07
tblVehicleEF	MHD	0.02	0.14
tblVehicleEF	MHD	0.41	0.07
tblVehicleEF	MHD	0.02	4.1930e-003
tblVehicleEF	MHD	4.9280e-003	4.6540e-003
tblVehicleEF	MHD	0.05	0.01
tblVehicleEF	MHD	0.27	0.32
tblVehicleEF	MHD	0.38	0.48
tblVehicleEF	MHD	5.83	1.36
tblVehicleEF	MHD	140.78	68.14
tblVehicleEF	MHD	1,150.98	1,070.88
tblVehicleEF	MHD	63.58	12.05
tblVehicleEF	MHD	0.51	0.48
tblVehicleEF	MHD	1.08	1.54
tblVehicleEF	MHD	9.92	1.28
tblVehicleEF	MHD	2.0900e-004	9.0700e-004
tblVehicleEF	MHD	5.1090e-003	0.03
tblVehicleEF	MHD	8.4300e-004	1.3800e-004
tblVehicleEF	MHD	2.0000e-004	8.6800e-004
tblVehicleEF	MHD	4.8830e-003	0.03
tblVehicleEF	MHD	7.7600e-004	1.2700e-004
tblVehicleEF	MHD	1.7000e-003	9.9300e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	1.0480e-003	6.0400e-004

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Winter

tblVehicleEF	MHD	0.05	0.06
tblVehicleEF	MHD	0.02	0.14
tblVehicleEF	MHD	0.36	0.06
tblVehicleEF	MHD	1.3550e-003	6.4800e-004
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.3800e-004	1.1900e-004
tblVehicleEF	MHD	1.7000e-003	9.9300e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	1.0480e-003	6.0400e-004
tblVehicleEF	MHD	0.06	0.07
tblVehicleEF	MHD	0.02	0.14
tblVehicleEF	MHD	0.39	0.07
tblVehicleEF	MHD	0.02	4.7550e-003
tblVehicleEF	MHD	4.8360e-003	4.5850e-003
tblVehicleEF	MHD	0.05	0.01
tblVehicleEF	MHD	0.52	0.49
tblVehicleEF	MHD	0.37	0.47
tblVehicleEF	MHD	6.20	1.45
tblVehicleEF	MHD	122.05	66.18
tblVehicleEF	MHD	1,150.98	1,070.87
tblVehicleEF	MHD	63.58	12.19
tblVehicleEF	MHD	0.47	0.47
tblVehicleEF	MHD	1.12	1.60
tblVehicleEF	MHD	9.97	1.29
tblVehicleEF	MHD	3.0200e-004	1.3020e-003
tblVehicleEF	MHD	5.1090e-003	0.03

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Winter

tblVehicleEF	MHD	8.4300e-004	1.3800e-004
tblVehicleEF	MHD	2.8900e-004	1.2460e-003
tblVehicleEF	MHD	4.8830e-003	0.03
tblVehicleEF	MHD	7.7600e-004	1.2700e-004
tblVehicleEF	MHD	1.1690e-003	6.9100e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	7.2400e-004	4.2100e-004
tblVehicleEF	MHD	0.05	0.06
tblVehicleEF	MHD	0.02	0.16
tblVehicleEF	MHD	0.38	0.07
tblVehicleEF	MHD	1.1790e-003	6.2900e-004
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.4400e-004	1.2100e-004
tblVehicleEF	MHD	1.1690e-003	6.9100e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	7.2400e-004	4.2100e-004
tblVehicleEF	MHD	0.05	0.07
tblVehicleEF	MHD	0.02	0.16
tblVehicleEF	MHD	0.41	0.07
tblVehicleEF	OBUS	0.01	8.4750e-003
tblVehicleEF	OBUS	7.7220e-003	6.9630e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.28	0.60
tblVehicleEF	OBUS	0.53	0.78
tblVehicleEF	OBUS	5.41	2.39

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Winter

tblVehicleEF	OBUS	112.13	94.21
tblVehicleEF	OBUS	1,260.49	1,391.50
tblVehicleEF	OBUS	67.92	19.24
tblVehicleEF	OBUS	0.51	0.46
tblVehicleEF	OBUS	1.55	1.57
tblVehicleEF	OBUS	2.60	0.75
tblVehicleEF	OBUS	1.1400e-004	7.8900e-004
tblVehicleEF	OBUS	7.4300e-003	0.02
tblVehicleEF	OBUS	8.0700e-004	1.9700e-004
tblVehicleEF	OBUS	1.0900e-004	7.5500e-004
tblVehicleEF	OBUS	7.0930e-003	0.02
tblVehicleEF	OBUS	7.4200e-004	1.8100e-004
tblVehicleEF	OBUS	1.4340e-003	1.8390e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	7.6800e-004	9.4100e-004
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	0.04	0.26
tblVehicleEF	OBUS	0.34	0.11
tblVehicleEF	OBUS	1.0820e-003	8.9600e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.7400e-004	1.9000e-004
tblVehicleEF	OBUS	1.4340e-003	1.8390e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	7.6800e-004	9.4100e-004
tblVehicleEF	OBUS	0.08	0.08

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Winter

tblVehicleEF	OBUS	0.04	0.26
tblVehicleEF	OBUS	0.37	0.13
tblVehicleEF	OBUS	0.01	8.5340e-003
tblVehicleEF	OBUS	7.8490e-003	7.0850e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.27	0.58
tblVehicleEF	OBUS	0.54	0.80
tblVehicleEF	OBUS	5.11	2.26
tblVehicleEF	OBUS	117.81	94.08
tblVehicleEF	OBUS	1,260.49	1,391.52
tblVehicleEF	OBUS	67.92	19.02
tblVehicleEF	OBUS	0.53	0.45
tblVehicleEF	OBUS	1.46	1.48
tblVehicleEF	OBUS	2.57	0.74
tblVehicleEF	OBUS	9.6000e-005	6.7100e-004
tblVehicleEF	OBUS	7.4300e-003	0.02
tblVehicleEF	OBUS	8.0700e-004	1.9700e-004
tblVehicleEF	OBUS	9.2000e-005	6.4200e-004
tblVehicleEF	OBUS	7.0930e-003	0.02
tblVehicleEF	OBUS	7.4200e-004	1.8100e-004
tblVehicleEF	OBUS	2.1010e-003	2.6500e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	1.0830e-003	1.3070e-003
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	0.04	0.26
tblVehicleEF	OBUS	0.32	0.11

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Winter

tblVehicleEF	OBUS	1.1360e-003	8.9500e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.6900e-004	1.8800e-004
tblVehicleEF	OBUS	2.1010e-003	2.6500e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	1.0830e-003	1.3070e-003
tblVehicleEF	OBUS	0.08	0.08
tblVehicleEF	OBUS	0.04	0.26
tblVehicleEF	OBUS	0.35	0.12
tblVehicleEF	OBUS	0.01	8.4130e-003
tblVehicleEF	OBUS	7.6880e-003	6.9290e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.30	0.61
tblVehicleEF	OBUS	0.53	0.78
tblVehicleEF	OBUS	5.47	2.42
tblVehicleEF	OBUS	104.30	94.40
tblVehicleEF	OBUS	1,260.49	1,391.49
tblVehicleEF	OBUS	67.92	19.29
tblVehicleEF	OBUS	0.49	0.47
tblVehicleEF	OBUS	1.52	1.55
tblVehicleEF	OBUS	2.61	0.76
tblVehicleEF	OBUS	1.3900e-004	9.5300e-004
tblVehicleEF	OBUS	7.4300e-003	0.02
tblVehicleEF	OBUS	8.0700e-004	1.9700e-004
tblVehicleEF	OBUS	1.3300e-004	9.1200e-004
tblVehicleEF	OBUS	7.0930e-003	0.02

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Winter

tblVehicleEF	OBUS	7.4200e-004	1.8100e-004
tblVehicleEF	OBUS	1.4690e-003	1.9220e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	7.4700e-004	9.2400e-004
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	0.04	0.28
tblVehicleEF	OBUS	0.34	0.12
tblVehicleEF	OBUS	1.0070e-003	8.9800e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.7500e-004	1.9100e-004
tblVehicleEF	OBUS	1.4690e-003	1.9220e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.06	0.07
tblVehicleEF	OBUS	7.4700e-004	9.2400e-004
tblVehicleEF	OBUS	0.08	0.08
tblVehicleEF	OBUS	0.04	0.28
tblVehicleEF	OBUS	0.37	0.13
tblVehicleEF	SBUS	0.84	0.07
tblVehicleEF	SBUS	0.01	7.0600e-003
tblVehicleEF	SBUS	0.06	6.7770e-003
tblVehicleEF	SBUS	8.15	2.99
tblVehicleEF	SBUS	0.72	0.60
tblVehicleEF	SBUS	7.31	0.93
tblVehicleEF	SBUS	1,121.00	354.63
tblVehicleEF	SBUS	1,079.30	1,100.97
tblVehicleEF	SBUS	55.06	5.73

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Winter

tblVehicleEF	SBUS	9.20	3.14
tblVehicleEF	SBUS	4.17	4.65
tblVehicleEF	SBUS	12.12	0.90
tblVehicleEF	SBUS	9.3410e-003	3.9540e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	8.1500e-004	5.5000e-005
tblVehicleEF	SBUS	8.9370e-003	3.7830e-003
tblVehicleEF	SBUS	2.6670e-003	2.6630e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	7.5000e-004	5.1000e-005
tblVehicleEF	SBUS	3.3650e-003	9.8900e-004
tblVehicleEF	SBUS	0.03	8.5880e-003
tblVehicleEF	SBUS	0.97	0.34
tblVehicleEF	SBUS	1.7650e-003	5.2700e-004
tblVehicleEF	SBUS	0.10	0.09
tblVehicleEF	SBUS	0.01	0.06
tblVehicleEF	SBUS	0.38	0.04
tblVehicleEF	SBUS	0.01	3.3860e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.7700e-004	5.7000e-005
tblVehicleEF	SBUS	3.3650e-003	9.8900e-004
tblVehicleEF	SBUS	0.03	8.5880e-003
tblVehicleEF	SBUS	1.40	0.49
tblVehicleEF	SBUS	1.7650e-003	5.2700e-004
tblVehicleEF	SBUS	0.13	0.11
tblVehicleEF	SBUS	0.01	0.06

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Winter

tblVehicleEF	SBUS	0.42	0.04
tblVehicleEF	SBUS	0.84	0.07
tblVehicleEF	SBUS	0.01	7.1400e-003
tblVehicleEF	SBUS	0.06	6.0470e-003
tblVehicleEF	SBUS	8.04	2.95
tblVehicleEF	SBUS	0.73	0.61
tblVehicleEF	SBUS	5.94	0.76
tblVehicleEF	SBUS	1,171.46	362.29
tblVehicleEF	SBUS	1,079.30	1,100.99
tblVehicleEF	SBUS	55.06	5.44
tblVehicleEF	SBUS	9.50	3.21
tblVehicleEF	SBUS	3.93	4.39
tblVehicleEF	SBUS	12.09	0.90
tblVehicleEF	SBUS	7.8750e-003	3.3400e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	8.1500e-004	5.5000e-005
tblVehicleEF	SBUS	7.5340e-003	3.1960e-003
tblVehicleEF	SBUS	2.6670e-003	2.6630e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	7.5000e-004	5.1000e-005
tblVehicleEF	SBUS	4.9570e-003	1.4290e-003
tblVehicleEF	SBUS	0.03	8.7250e-003
tblVehicleEF	SBUS	0.97	0.34
tblVehicleEF	SBUS	2.5080e-003	7.3100e-004
tblVehicleEF	SBUS	0.10	0.09
tblVehicleEF	SBUS	0.01	0.05

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Winter

tblVehicleEF	SBUS	0.34	0.03
tblVehicleEF	SBUS	0.01	3.4580e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.5400e-004	5.4000e-005
tblVehicleEF	SBUS	4.9570e-003	1.4290e-003
tblVehicleEF	SBUS	0.03	8.7250e-003
tblVehicleEF	SBUS	1.40	0.49
tblVehicleEF	SBUS	2.5080e-003	7.3100e-004
tblVehicleEF	SBUS	0.13	0.11
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.37	0.04
tblVehicleEF	SBUS	0.84	0.07
tblVehicleEF	SBUS	0.01	7.0350e-003
tblVehicleEF	SBUS	0.07	6.9450e-003
tblVehicleEF	SBUS	8.31	3.04
tblVehicleEF	SBUS	0.72	0.60
tblVehicleEF	SBUS	7.56	0.96
tblVehicleEF	SBUS	1,051.30	344.05
tblVehicleEF	SBUS	1,079.30	1,100.97
tblVehicleEF	SBUS	55.06	5.78
tblVehicleEF	SBUS	8.80	3.05
tblVehicleEF	SBUS	4.10	4.57
tblVehicleEF	SBUS	12.13	0.90
tblVehicleEF	SBUS	0.01	4.8000e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	8.1500e-004	5.5000e-005

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Winter

tblVehicleEF	SBUS	0.01	4.5930e-003
tblVehicleEF	SBUS	2.6670e-003	2.6630e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	7.5000e-004	5.1000e-005
tblVehicleEF	SBUS	3.4320e-003	1.0030e-003
tblVehicleEF	SBUS	0.03	9.0230e-003
tblVehicleEF	SBUS	0.98	0.34
tblVehicleEF	SBUS	1.6940e-003	5.0600e-004
tblVehicleEF	SBUS	0.10	0.09
tblVehicleEF	SBUS	0.02	0.07
tblVehicleEF	SBUS	0.39	0.04
tblVehicleEF	SBUS	0.01	3.2860e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.8100e-004	5.7000e-005
tblVehicleEF	SBUS	3.4320e-003	1.0030e-003
tblVehicleEF	SBUS	0.03	9.0230e-003
tblVehicleEF	SBUS	1.41	0.49
tblVehicleEF	SBUS	1.6940e-003	5.0600e-004
tblVehicleEF	SBUS	0.13	0.11
tblVehicleEF	SBUS	0.02	0.07
tblVehicleEF	SBUS	0.43	0.04
tblVehicleEF	UBUS	2.61	5.85
tblVehicleEF	UBUS	0.05	0.01
tblVehicleEF	UBUS	11.22	45.42
tblVehicleEF	UBUS	8.87	0.71
tblVehicleEF	UBUS	1,968.89	1,991.58
tblVehicleEF	UBUS	96.56	8.61

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Winter

tblVehicleEF	UBUS	9.98	0.47
tblVehicleEF	UBUS	15.36	0.08
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.13	3.1840e-003
tblVehicleEF	UBUS	1.0870e-003	4.6000e-005
tblVehicleEF	UBUS	0.26	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9690e-003
tblVehicleEF	UBUS	0.13	3.0430e-003
tblVehicleEF	UBUS	9.9900e-004	4.3000e-005
tblVehicleEF	UBUS	4.1440e-003	6.6500e-004
tblVehicleEF	UBUS	0.07	8.4730e-003
tblVehicleEF	UBUS	2.3870e-003	4.9100e-004
tblVehicleEF	UBUS	0.85	0.09
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.68	0.05
tblVehicleEF	UBUS	9.8600e-003	1.4410e-003
tblVehicleEF	UBUS	1.1250e-003	8.5000e-005
tblVehicleEF	UBUS	4.1440e-003	6.6500e-004
tblVehicleEF	UBUS	0.07	8.4730e-003
tblVehicleEF	UBUS	2.3870e-003	4.9100e-004
tblVehicleEF	UBUS	3.56	5.97
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.74	0.05
tblVehicleEF	UBUS	2.61	5.85
tblVehicleEF	UBUS	0.05	0.01
tblVehicleEF	UBUS	11.27	45.42

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Winter

tblVehicleEF	UBUS	7.69	0.63
tblVehicleEF	UBUS	1,968.89	1,991.58
tblVehicleEF	UBUS	96.56	8.46
tblVehicleEF	UBUS	9.41	0.47
tblVehicleEF	UBUS	15.31	0.08
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.13	3.1840e-003
tblVehicleEF	UBUS	1.0870e-003	4.6000e-005
tblVehicleEF	UBUS	0.26	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9690e-003
tblVehicleEF	UBUS	0.13	3.0430e-003
tblVehicleEF	UBUS	9.9900e-004	4.3000e-005
tblVehicleEF	UBUS	5.9080e-003	9.6200e-004
tblVehicleEF	UBUS	0.07	8.7330e-003
tblVehicleEF	UBUS	3.2830e-003	6.7600e-004
tblVehicleEF	UBUS	0.86	0.09
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.62	0.04
tblVehicleEF	UBUS	9.8610e-003	1.4410e-003
tblVehicleEF	UBUS	1.1050e-003	8.4000e-005
tblVehicleEF	UBUS	5.9080e-003	9.6200e-004
tblVehicleEF	UBUS	0.07	8.7330e-003
tblVehicleEF	UBUS	3.2830e-003	6.7600e-004
tblVehicleEF	UBUS	3.57	5.97
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.68	0.05

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Winter

tblVehicleEF	UBUS	2.61	5.85
tblVehicleEF	UBUS	0.05	0.01
tblVehicleEF	UBUS	11.21	45.42
tblVehicleEF	UBUS	9.08	0.73
tblVehicleEF	UBUS	1,968.89	1,991.58
tblVehicleEF	UBUS	96.56	8.64
tblVehicleEF	UBUS	9.79	0.47
tblVehicleEF	UBUS	15.38	0.09
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.13	3.1840e-003
tblVehicleEF	UBUS	1.0870e-003	4.6000e-005
tblVehicleEF	UBUS	0.26	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9690e-003
tblVehicleEF	UBUS	0.13	3.0430e-003
tblVehicleEF	UBUS	9.9900e-004	4.3000e-005
tblVehicleEF	UBUS	4.7000e-003	6.4800e-004
tblVehicleEF	UBUS	0.08	9.0360e-003
tblVehicleEF	UBUS	2.5010e-003	4.6600e-004
tblVehicleEF	UBUS	0.85	0.09
tblVehicleEF	UBUS	0.03	0.07
tblVehicleEF	UBUS	0.69	0.05
tblVehicleEF	UBUS	9.8590e-003	1.4410e-003
tblVehicleEF	UBUS	1.1290e-003	8.5000e-005
tblVehicleEF	UBUS	4.7000e-003	6.4800e-004
tblVehicleEF	UBUS	0.08	9.0360e-003
tblVehicleEF	UBUS	2.5010e-003	4.6600e-004

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Winter

tblVehicleEF	UBUS	3.55	5.97
tblVehicleEF	UBUS	0.03	0.07
tblVehicleEF	UBUS	0.75	0.05
tblVehicleTrips	CC_TTP	48.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CW_TL	16.60	40.00
tblVehicleTrips	CW_TTP	33.00	0.00
tblVehicleTrips	CW_TTP	0.00	100.00
tblVehicleTrips	DV_TP	28.00	0.00
tblVehicleTrips	PB_TP	6.00	0.00
tblVehicleTrips	PR_TP	66.00	0.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	1.32	1.83
tblVehicleTrips	ST_TR	0.00	0.17
tblVehicleTrips	ST_TR	1.68	0.14
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	0.68	4.59
tblVehicleTrips	SU_TR	0.00	0.41
tblVehicleTrips	SU_TR	1.68	0.06
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	6.97	4.56
tblVehicleTrips	WD_TR	0.00	0.45
tblVehicleTrips	WD_TR	1.68	1.26

2.0 Emissions Summary

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Winter

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

[illegible]

Mitigated Construction

[illegible][illegible]

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Winter

2.2 Overall Operational**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.8169	6.3000e-004	0.0693	1.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004		0.1484	0.1484	3.9000e-004		0.1581
Energy	0.0272	0.2470	0.2075	1.4800e-003		0.0188	0.0188		0.0188	0.0188		296.3911	296.3911	5.6800e-003	5.4300e-003	298.1524
Mobile	1.4291	14.6954	13.9156	0.0885	5.3263	0.1474	5.4737	1.4443	0.1403	1.5845		9,219.2858	9,219.2858	0.1306		9,222.5514
Offroad	0.2440	2.5352	1.5172	6.3400e-003		0.0875	0.0875		0.0805	0.0805		613.5755	613.5755	0.1984		618.5365
Total	4.5172	17.4782	15.7096	0.0964	5.3263	0.2539	5.5802	1.4443	0.2398	1.6840		10,129.4007	10,129.4007	0.3351	5.4300e-003	10,139.3984

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Winter

2.2 Overall Operational**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.8169	6.3000e-004	0.0693	1.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004		0.1484	0.1484	3.9000e-004		0.1581
Energy	0.0272	0.2470	0.2075	1.4800e-003		0.0188	0.0188		0.0188	0.0188		296.3911	296.3911	5.6800e-003	5.4300e-003	298.1524
Mobile	1.4291	14.6954	13.9156	0.0885	5.3263	0.1474	5.4737	1.4443	0.1403	1.5845		9,219.2858	9,219.2858	0.1306		9,222.5514
Offroad	0.2440	2.5352	1.5172	6.3400e-003		0.0875	0.0875		0.0805	0.0805		613.5755	613.5755	0.1984		618.5365
Total	4.5172	17.4782	15.7096	0.0964	5.3263	0.2539	5.5802	1.4443	0.2398	1.6840		10,129.4007	10,129.4007	0.3351	5.4300e-003	10,139.3984

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	8/16/2021	9/10/2021	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Winter

Acres of Paving: 2.65**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)****OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Excavators	0	8.00	158	0.38
Demolition	Rubber Tired Dozers	0	8.00	247	0.40

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	0	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Winter

3.2 Demolition - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Winter

3.2 Demolition - 2021**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.0 Operational Detail - Mobile

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Winter

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.4291	14.6954	13.9156	0.0885	5.3263	0.1474	5.4737	1.4443	0.1403	1.5845		9,219.2858	9,219.2858	0.1306		9,222.5514
Unmitigated	1.4291	14.6954	13.9156	0.0885	5.3263	0.1474	5.4737	1.4443	0.1403	1.5845		9,219.2858	9,219.2858	0.1306		9,222.5514

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
General Light Industry	281.80	113.09	283.65	1,142,330	1,142,330
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
User Defined Industrial	56.91	21.35	51.49	743,342	743,342
Unrefrigerated Warehouse-No Rail	77.86	8.65	3.71	245,927	245,927
Total	416.57	143.09	338.85	2,131,599	2,131,599

4.3 Trip Type Information

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Winter

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
User Defined Industrial	40.00	8.40	6.90	100.00	0.00	0.00	100	0	0
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
General Light Industry	0.593400	0.048800	0.221500	0.130700	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.005600	0.000000	0.000000
Other Asphalt Surfaces	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
Parking Lot	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
User Defined Industrial	0.000000	0.000000	0.000000	0.000000	0.121800	0.048000	0.207500	0.622700	0.000000	0.000000	0.000000	0.000000	0.000000
Unrefrigerated Warehouse-No Rail	0.593400	0.048800	0.221500	0.130700	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.005600	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0272	0.2470	0.2075	1.4800e-003		0.0188	0.0188		0.0188	0.0188		296.3911	296.3911	5.6800e-003	5.4300e-003	298.1524
NaturalGas Unmitigated	0.0272	0.2470	0.2075	1.4800e-003		0.0188	0.0188		0.0188	0.0188		296.3911	296.3911	5.6800e-003	5.4300e-003	298.1524

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Winter

5.2 Energy by Land Use - NaturalGas**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Light Industry	2372.03	0.0256	0.2326	0.1953	1.4000e-003		0.0177	0.0177		0.0177	0.0177		279.0620	279.0620	5.3500e-003	5.1200e-003	280.7204
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	147.297	1.5900e-003	0.0144	0.0121	9.0000e-005		1.1000e-003	1.1000e-003		1.1000e-003	1.1000e-003		17.3291	17.3291	3.3000e-004	3.2000e-004	17.4320
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0272	0.2470	0.2075	1.4900e-003		0.0188	0.0188		0.0188	0.0188		296.3911	296.3911	5.6800e-003	5.4400e-003	298.1524

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Winter

5.2 Energy by Land Use - NaturalGas**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Light Industry	2.37203	0.0256	0.2326	0.1953	1.4000e-003		0.0177	0.0177		0.0177	0.0177		279.0620	279.0620	5.3500e-003	5.1200e-003	280.7204
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0.147297	1.5900e-003	0.0144	0.0121	9.0000e-005		1.1000e-003	1.1000e-003		1.1000e-003	1.1000e-003		17.3291	17.3291	3.3000e-004	3.2000e-004	17.4320
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0272	0.2470	0.2075	1.4900e-003		0.0188	0.0188		0.0188	0.0188		296.3911	296.3911	5.6800e-003	5.4400e-003	298.1524

6.0 Area Detail**6.1 Mitigation Measures Area**

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.8169	6.3000e-004	0.0693	1.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004		0.1484	0.1484	3.9000e-004		0.1581
Unmitigated	2.8169	6.3000e-004	0.0693	1.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004		0.1484	0.1484	3.9000e-004		0.1581

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3223					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.4881					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.4500e-003	6.3000e-004	0.0693	1.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004		0.1484	0.1484	3.9000e-004		0.1581
Total	2.8169	6.3000e-004	0.0693	1.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004		0.1484	0.1484	3.9000e-004		0.1581

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Winter

6.2 Area by SubCategory**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3223					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.4881					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.4500e-003	6.3000e-004	0.0693	1.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004		0.1484	0.1484	3.9000e-004		0.1581
Total	2.8169	6.3000e-004	0.0693	1.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004		0.1484	0.1484	3.9000e-004		0.1581

7.0 Water Detail**7.1 Mitigation Measures Water****8.0 Waste Detail****8.1 Mitigation Measures Waste****9.0 Operational Offroad**

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Tractors/Loaders/Backhoes	2	4.00	365	200	0.37	CNG

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Winter

UnMitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Tractors/Loaders/Backhoes	0.2440	2.5352	1.5172	6.3400e-003		0.0875	0.0875		0.0805	0.0805		613.5755	613.5755	0.1984		618.5365
Total	0.2440	2.5352	1.5172	6.3400e-003		0.0875	0.0875		0.0805	0.0805		613.5755	613.5755	0.1984		618.5365

10.0 Stationary Equipment**Fire Pumps and Emergency Generators**

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
----------------	--------	-----------	------------	-------------	-------------	-----------

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

User Defined Equipment

Equipment Type	Number
----------------	--------

11.0 Vegetation

APPENDIX 3.3:

CALEEMOD CURRENTLY ADOPTED OPERATIONAL EMISSIONS MODEL OUTPUTS

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San Francisco Avenue (Currently Approved Operations) - Los Angeles-South Coast County, Summer

San Francisco Avenue (Currently Approved Operations)
Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	137.43	1000sqft	3.16	137,432.00	0
User Defined Industrial	137.43	User Defined Unit	0.00	0.00	0
Other Asphalt Surfaces	3.14	Acre	3.14	136,778.40	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9			Operational Year	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	564.66	CH4 Intensity (lb/MWhr)	0.023	N2O Intensity (lb/MWhr)	0.005

1.3 User Entered Comments & Non-Default Data

San Francisco Avenue (Currently Approved Operations) - Los Angeles-South Coast County, Summer

Project Characteristics - Intensity factors adjusted to reflect the RPS for the 2022 Opening Year

Land Use - Total Project area is approximately 6.3 acres

Construction Phase - Operations run only

Off-road Equipment - Operations run only

Trips and VMT - Operations run only

Vehicle Trips - Trip characteristics based on information provided in the Traffic Assessment

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Energy Use - The Project will design building shells and building components to meet 2019 Title 24 Standards which expects 30% less energy for nonresidential uses

Operational Off-Road Equipment - Based on SCAQMD High Cube Warehouse Truck Trip Study White Paper Summary of Business Survey Results (2014)

Fleet Mix - Passenger Car Mix estimated based on the CalEEMod default fleet mix and the ratio of the vehicle classes (LDA, LDT1, LDT2, MDV, & MCY). Truck Mix based on information in the Traffic Analysis

Water And Wastewater -

Table Name	Column Name	Default Value	New Value
tblFleetMix	HHD	0.03	0.00
tblFleetMix	HHD	0.03	0.63
tblFleetMix	LDA	0.55	0.00
tblFleetMix	LDA	0.55	0.00
tblFleetMix	LDT1	0.04	0.00
tblFleetMix	LDT1	0.04	0.00
tblFleetMix	LDT2	0.20	0.00
tblFleetMix	LDT2	0.20	0.00
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD1	0.02	0.12
tblFleetMix	LHD2	6.1960e-003	0.00

San Francisco Avenue (Currently Approved Operations) - Los Angeles-South Coast County, Summer

tblFleetMix	LHD2	6.1960e-003	0.05
tblFleetMix	MCY	5.1420e-003	0.00
tblFleetMix	MCY	5.1420e-003	0.00
tblFleetMix	MDV	0.12	0.00
tblFleetMix	MDV	0.12	0.00
tblFleetMix	MH	8.7600e-004	0.00
tblFleetMix	MH	8.7600e-004	0.00
tblFleetMix	MHD	0.02	0.00
tblFleetMix	MHD	0.02	0.21
tblFleetMix	OBUS	2.5150e-003	0.00
tblFleetMix	OBUS	2.5150e-003	0.00
tblFleetMix	SBUS	6.8700e-004	0.00
tblFleetMix	SBUS	6.8700e-004	0.00
tblFleetMix	UBUS	2.2010e-003	0.00
tblFleetMix	UBUS	2.2010e-003	0.00
tblLandUse	LandUseSquareFeet	137,430.00	137,432.00
tblLandUse	LotAcreage	3.15	3.16
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	365.00
tblOperationalOffRoadEquipment	OperFuelType	Diesel	CNG
tblOperationalOffRoadEquipment	OperHorsePower	97.00	200.00
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	4.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	1.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.023
tblProjectCharacteristics	CO2IntensityFactor	702.44	564.66

San Francisco Avenue (Currently Approved Operations) - Los Angeles-South Coast County, Summer

tblProjectCharacteristics	N2OIntensityFactor	0.006	0.005
tblVehicleEF	HHD	0.62	0.03
tblVehicleEF	HHD	0.09	0.08
tblVehicleEF	HHD	0.08	1.0000e-006
tblVehicleEF	HHD	2.47	6.23
tblVehicleEF	HHD	1.15	0.58
tblVehicleEF	HHD	3.30	9.5390e-003
tblVehicleEF	HHD	4,690.45	1,172.50
tblVehicleEF	HHD	1,639.83	1,482.70
tblVehicleEF	HHD	10.54	0.09
tblVehicleEF	HHD	20.39	6.32
tblVehicleEF	HHD	3.81	3.60
tblVehicleEF	HHD	19.54	2.06
tblVehicleEF	HHD	0.01	3.9370e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	8.7000e-005	2.0000e-006
tblVehicleEF	HHD	0.01	3.7670e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8380e-003	8.8970e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	8.0000e-005	1.0000e-006
tblVehicleEF	HHD	1.0500e-004	7.0000e-006
tblVehicleEF	HHD	4.6110e-003	2.7700e-004
tblVehicleEF	HHD	0.62	0.45
tblVehicleEF	HHD	7.9000e-005	5.0000e-006

San Francisco Avenue (Currently Approved Operations) - Los Angeles-South Coast County, Summer

tblVehicleEF	HHD	0.15	0.08
tblVehicleEF	HHD	3.9500e-004	1.5080e-003
tblVehicleEF	HHD	0.08	3.0000e-006
tblVehicleEF	HHD	0.04	0.01
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.6000e-004	1.0000e-006
tblVehicleEF	HHD	1.0500e-004	7.0000e-006
tblVehicleEF	HHD	4.6110e-003	2.7700e-004
tblVehicleEF	HHD	0.72	0.52
tblVehicleEF	HHD	7.9000e-005	5.0000e-006
tblVehicleEF	HHD	0.25	0.17
tblVehicleEF	HHD	3.9500e-004	1.5080e-003
tblVehicleEF	HHD	0.09	3.0000e-006
tblVehicleEF	HHD	0.58	0.03
tblVehicleEF	HHD	0.10	0.08
tblVehicleEF	HHD	0.07	1.0000e-006
tblVehicleEF	HHD	1.80	6.09
tblVehicleEF	HHD	1.16	0.59
tblVehicleEF	HHD	3.13	9.0610e-003
tblVehicleEF	HHD	4,968.94	1,168.97
tblVehicleEF	HHD	1,639.83	1,482.70
tblVehicleEF	HHD	10.54	0.09
tblVehicleEF	HHD	21.04	6.13
tblVehicleEF	HHD	3.60	3.41
tblVehicleEF	HHD	19.53	2.06
tblVehicleEF	HHD	0.01	3.4420e-003
tblVehicleEF	HHD	0.06	0.06

San Francisco Avenue (Currently Approved Operations) - Los Angeles-South Coast County, Summer

tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	8.7000e-005	2.0000e-006
tblVehicleEF	HHD	0.01	3.2930e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8380e-003	8.8970e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	8.0000e-005	1.0000e-006
tblVehicleEF	HHD	1.6000e-004	1.1000e-005
tblVehicleEF	HHD	4.7280e-003	2.8200e-004
tblVehicleEF	HHD	0.58	0.47
tblVehicleEF	HHD	1.1400e-004	8.0000e-006
tblVehicleEF	HHD	0.15	0.08
tblVehicleEF	HHD	3.8400e-004	1.4870e-003
tblVehicleEF	HHD	0.08	3.0000e-006
tblVehicleEF	HHD	0.05	0.01
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.5700e-004	1.0000e-006
tblVehicleEF	HHD	1.6000e-004	1.1000e-005
tblVehicleEF	HHD	4.7280e-003	2.8200e-004
tblVehicleEF	HHD	0.68	0.55
tblVehicleEF	HHD	1.1400e-004	8.0000e-006
tblVehicleEF	HHD	0.25	0.17
tblVehicleEF	HHD	3.8400e-004	1.4870e-003
tblVehicleEF	HHD	0.08	3.0000e-006
tblVehicleEF	HHD	0.67	0.02
tblVehicleEF	HHD	0.09	3.6360e-003

San Francisco Avenue (Currently Approved Operations) - Los Angeles-South Coast County, Summer

tblVehicleEF	HHD	0.08	1.0000e-006
tblVehicleEF	HHD	3.41	6.32
tblVehicleEF	HHD	1.15	0.38
tblVehicleEF	HHD	3.33	9.6340e-003
tblVehicleEF	HHD	4,305.87	1,158.96
tblVehicleEF	HHD	1,639.83	1,430.09
tblVehicleEF	HHD	10.54	0.09
tblVehicleEF	HHD	19.48	6.47
tblVehicleEF	HHD	3.75	3.49
tblVehicleEF	HHD	19.55	2.06
tblVehicleEF	HHD	0.02	4.3710e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	8.7000e-005	2.0000e-006
tblVehicleEF	HHD	0.02	4.1820e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8380e-003	8.7580e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	8.0000e-005	1.0000e-006
tblVehicleEF	HHD	1.0300e-004	8.0000e-006
tblVehicleEF	HHD	4.9260e-003	3.1500e-004
tblVehicleEF	HHD	0.66	0.42
tblVehicleEF	HHD	7.7000e-005	5.0000e-006
tblVehicleEF	HHD	0.15	0.08
tblVehicleEF	HHD	4.2900e-004	1.6010e-003
tblVehicleEF	HHD	0.08	3.0000e-006

San Francisco Avenue (Currently Approved Operations) - Los Angeles-South Coast County, Summer

tblVehicleEF	HHD	0.04	0.01
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.6000e-004	1.0000e-006
tblVehicleEF	HHD	1.0300e-004	8.0000e-006
tblVehicleEF	HHD	4.9260e-003	3.1500e-004
tblVehicleEF	HHD	0.78	0.48
tblVehicleEF	HHD	7.7000e-005	5.0000e-006
tblVehicleEF	HHD	0.25	0.09
tblVehicleEF	HHD	4.2900e-004	1.6010e-003
tblVehicleEF	HHD	0.09	3.0000e-006
tblVehicleEF	LDA	5.3420e-003	3.0240e-003
tblVehicleEF	LDA	5.4040e-003	0.05
tblVehicleEF	LDA	0.66	0.72
tblVehicleEF	LDA	1.15	2.10
tblVehicleEF	LDA	274.33	272.47
tblVehicleEF	LDA	57.08	53.62
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.07	0.18
tblVehicleEF	LDA	2.1700e-003	1.8010e-003
tblVehicleEF	LDA	2.2660e-003	1.8420e-003
tblVehicleEF	LDA	2.0000e-003	1.6590e-003
tblVehicleEF	LDA	2.0830e-003	1.6940e-003
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.21

San Francisco Avenue (Currently Approved Operations) - Los Angeles-South Coast County, Summer

tblVehicleEF	LDA	0.07	0.22
tblVehicleEF	LDA	2.7480e-003	2.6780e-003
tblVehicleEF	LDA	5.9000e-004	5.2700e-004
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.21
tblVehicleEF	LDA	0.08	0.25
tblVehicleEF	LDA	5.6740e-003	3.2280e-003
tblVehicleEF	LDA	4.8010e-003	0.04
tblVehicleEF	LDA	0.72	0.79
tblVehicleEF	LDA	0.98	1.79
tblVehicleEF	LDA	287.10	284.40
tblVehicleEF	LDA	57.08	53.05
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.06	0.17
tblVehicleEF	LDA	2.1700e-003	1.8010e-003
tblVehicleEF	LDA	2.2660e-003	1.8420e-003
tblVehicleEF	LDA	2.0000e-003	1.6590e-003
tblVehicleEF	LDA	2.0830e-003	1.6940e-003
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.11	0.10
tblVehicleEF	LDA	0.05	0.07
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.20
tblVehicleEF	LDA	0.06	0.20

San Francisco Avenue (Currently Approved Operations) - Los Angeles-South Coast County, Summer

tblVehicleEF	LDA	2.8760e-003	2.7950e-003
tblVehicleEF	LDA	5.8700e-004	5.2200e-004
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.11	0.10
tblVehicleEF	LDA	0.05	0.07
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.20
tblVehicleEF	LDA	0.07	0.22
tblVehicleEF	LDA	5.2330e-003	2.9600e-003
tblVehicleEF	LDA	5.5300e-003	0.05
tblVehicleEF	LDA	0.63	0.69
tblVehicleEF	LDA	1.19	2.17
tblVehicleEF	LDA	269.66	268.07
tblVehicleEF	LDA	57.08	53.75
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.07	0.19
tblVehicleEF	LDA	2.1700e-003	1.8010e-003
tblVehicleEF	LDA	2.2660e-003	1.8420e-003
tblVehicleEF	LDA	2.0000e-003	1.6590e-003
tblVehicleEF	LDA	2.0830e-003	1.6940e-003
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.05	0.24
tblVehicleEF	LDA	0.07	0.23
tblVehicleEF	LDA	2.7010e-003	2.6350e-003

San Francisco Avenue (Currently Approved Operations) - Los Angeles-South Coast County, Summer

tblVehicleEF	LDA	5.9100e-004	5.2800e-004
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.05	0.24
tblVehicleEF	LDA	0.08	0.25
tblVehicleEF	LDT1	0.02	7.7270e-003
tblVehicleEF	LDT1	0.01	0.07
tblVehicleEF	LDT1	1.68	1.45
tblVehicleEF	LDT1	2.78	2.27
tblVehicleEF	LDT1	341.15	320.55
tblVehicleEF	LDT1	69.44	63.67
tblVehicleEF	LDT1	0.16	0.12
tblVehicleEF	LDT1	0.16	0.26
tblVehicleEF	LDT1	3.5390e-003	2.7170e-003
tblVehicleEF	LDT1	3.4320e-003	2.6310e-003
tblVehicleEF	LDT1	3.2590e-003	2.5000e-003
tblVehicleEF	LDT1	3.1560e-003	2.4190e-003
tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	0.26	0.20
tblVehicleEF	LDT1	0.11	0.11
tblVehicleEF	LDT1	0.04	0.03
tblVehicleEF	LDT1	0.17	0.69
tblVehicleEF	LDT1	0.19	0.35
tblVehicleEF	LDT1	3.4330e-003	3.1520e-003
tblVehicleEF	LDT1	7.4300e-004	6.2600e-004

San Francisco Avenue (Currently Approved Operations) - Los Angeles-South Coast County, Summer

tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	0.26	0.20
tblVehicleEF	LDT1	0.11	0.11
tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.17	0.69
tblVehicleEF	LDT1	0.21	0.39
tblVehicleEF	LDT1	0.02	8.1770e-003
tblVehicleEF	LDT1	0.01	0.06
tblVehicleEF	LDT1	1.82	1.58
tblVehicleEF	LDT1	2.36	1.93
tblVehicleEF	LDT1	356.02	332.71
tblVehicleEF	LDT1	69.44	63.00
tblVehicleEF	LDT1	0.14	0.10
tblVehicleEF	LDT1	0.15	0.24
tblVehicleEF	LDT1	3.5390e-003	2.7170e-003
tblVehicleEF	LDT1	3.4320e-003	2.6310e-003
tblVehicleEF	LDT1	3.2590e-003	2.5000e-003
tblVehicleEF	LDT1	3.1560e-003	2.4190e-003
tblVehicleEF	LDT1	0.20	0.20
tblVehicleEF	LDT1	0.28	0.21
tblVehicleEF	LDT1	0.15	0.15
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.16	0.64
tblVehicleEF	LDT1	0.17	0.31
tblVehicleEF	LDT1	3.5840e-003	3.2710e-003
tblVehicleEF	LDT1	7.3600e-004	6.1900e-004
tblVehicleEF	LDT1	0.20	0.20

San Francisco Avenue (Currently Approved Operations) - Los Angeles-South Coast County, Summer

tblVehicleEF	LDT1	0.28	0.21
tblVehicleEF	LDT1	0.15	0.15
tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.16	0.64
tblVehicleEF	LDT1	0.18	0.34
tblVehicleEF	LDT1	0.02	7.5820e-003
tblVehicleEF	LDT1	0.01	0.07
tblVehicleEF	LDT1	1.63	1.41
tblVehicleEF	LDT1	2.87	2.35
tblVehicleEF	LDT1	335.69	316.06
tblVehicleEF	LDT1	69.44	63.82
tblVehicleEF	LDT1	0.15	0.12
tblVehicleEF	LDT1	0.16	0.26
tblVehicleEF	LDT1	3.5390e-003	2.7170e-003
tblVehicleEF	LDT1	3.4320e-003	2.6310e-003
tblVehicleEF	LDT1	3.2590e-003	2.5000e-003
tblVehicleEF	LDT1	3.1560e-003	2.4190e-003
tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	0.30	0.22
tblVehicleEF	LDT1	0.10	0.10
tblVehicleEF	LDT1	0.04	0.03
tblVehicleEF	LDT1	0.20	0.82
tblVehicleEF	LDT1	0.20	0.36
tblVehicleEF	LDT1	3.3780e-003	3.1070e-003
tblVehicleEF	LDT1	7.4500e-004	6.2800e-004
tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	0.30	0.22

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tblVehicleEF	LDT1	0.10	0.10
tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.20	0.82
tblVehicleEF	LDT1	0.21	0.40
tblVehicleEF	LDT2	7.2180e-003	4.9730e-003
tblVehicleEF	LDT2	6.3970e-003	0.07
tblVehicleEF	LDT2	0.84	1.02
tblVehicleEF	LDT2	1.35	2.65
tblVehicleEF	LDT2	381.91	343.42
tblVehicleEF	LDT2	78.07	68.73
tblVehicleEF	LDT2	0.08	0.09
tblVehicleEF	LDT2	0.11	0.28
tblVehicleEF	LDT2	2.1510e-003	1.9110e-003
tblVehicleEF	LDT2	2.3580e-003	1.8910e-003
tblVehicleEF	LDT2	1.9790e-003	1.7590e-003
tblVehicleEF	LDT2	2.1690e-003	1.7390e-003
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.10	0.12
tblVehicleEF	LDT2	0.05	0.07
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.41
tblVehicleEF	LDT2	0.09	0.31
tblVehicleEF	LDT2	3.8260e-003	3.3760e-003
tblVehicleEF	LDT2	8.0300e-004	6.7600e-004
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.10	0.12
tblVehicleEF	LDT2	0.05	0.07

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tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.06	0.41
tblVehicleEF	LDT2	0.09	0.34
tblVehicleEF	LDT2	7.6530e-003	5.2910e-003
tblVehicleEF	LDT2	5.6920e-003	0.06
tblVehicleEF	LDT2	0.92	1.12
tblVehicleEF	LDT2	1.15	2.26
tblVehicleEF	LDT2	399.04	355.31
tblVehicleEF	LDT2	78.07	67.99
tblVehicleEF	LDT2	0.07	0.08
tblVehicleEF	LDT2	0.10	0.26
tblVehicleEF	LDT2	2.1510e-003	1.9110e-003
tblVehicleEF	LDT2	2.3580e-003	1.8910e-003
tblVehicleEF	LDT2	1.9790e-003	1.7590e-003
tblVehicleEF	LDT2	2.1690e-003	1.7390e-003
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.10	0.13
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.38
tblVehicleEF	LDT2	0.08	0.28
tblVehicleEF	LDT2	3.9980e-003	3.4930e-003
tblVehicleEF	LDT2	8.0000e-004	6.6800e-004
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.10	0.13
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.03	0.03

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tblVehicleEF	LDT2	0.06	0.38
tblVehicleEF	LDT2	0.08	0.31
tblVehicleEF	LDT2	7.0750e-003	4.8730e-003
tblVehicleEF	LDT2	6.5470e-003	0.07
tblVehicleEF	LDT2	0.81	0.99
tblVehicleEF	LDT2	1.39	2.74
tblVehicleEF	LDT2	375.62	339.02
tblVehicleEF	LDT2	78.07	68.90
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.11	0.28
tblVehicleEF	LDT2	2.1510e-003	1.9110e-003
tblVehicleEF	LDT2	2.3580e-003	1.8910e-003
tblVehicleEF	LDT2	1.9790e-003	1.7590e-003
tblVehicleEF	LDT2	2.1690e-003	1.7390e-003
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.11	0.13
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.48
tblVehicleEF	LDT2	0.09	0.32
tblVehicleEF	LDT2	3.7630e-003	3.3320e-003
tblVehicleEF	LDT2	8.0400e-004	6.7700e-004
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.11	0.13
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.07	0.48

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tblVehicleEF	LDT2	0.10	0.35
tblVehicleEF	LHD1	5.5970e-003	5.6110e-003
tblVehicleEF	LHD1	0.01	5.6770e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.19
tblVehicleEF	LHD1	0.84	0.65
tblVehicleEF	LHD1	2.79	1.14
tblVehicleEF	LHD1	8.92	8.88
tblVehicleEF	LHD1	603.81	667.04
tblVehicleEF	LHD1	33.34	12.48
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.95	0.63
tblVehicleEF	LHD1	1.01	0.34
tblVehicleEF	LHD1	8.2600e-004	7.5000e-004
tblVehicleEF	LHD1	0.01	9.6680e-003
tblVehicleEF	LHD1	9.1270e-003	6.2840e-003
tblVehicleEF	LHD1	1.0140e-003	2.8500e-004
tblVehicleEF	LHD1	7.9000e-004	7.1700e-004
tblVehicleEF	LHD1	2.5160e-003	2.4170e-003
tblVehicleEF	LHD1	8.7050e-003	5.9830e-003
tblVehicleEF	LHD1	9.3300e-004	2.6200e-004
tblVehicleEF	LHD1	3.1460e-003	2.5540e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.9140e-003	1.5610e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.31	0.55

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tblVehicleEF	LHD1	0.27	0.08
tblVehicleEF	LHD1	9.0000e-005	8.6000e-005
tblVehicleEF	LHD1	5.9300e-003	6.5150e-003
tblVehicleEF	LHD1	3.8500e-004	1.2400e-004
tblVehicleEF	LHD1	3.1460e-003	2.5540e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.9140e-003	1.5610e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.31	0.55
tblVehicleEF	LHD1	0.29	0.09
tblVehicleEF	LHD1	5.5970e-003	5.6230e-003
tblVehicleEF	LHD1	0.01	5.7930e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.19
tblVehicleEF	LHD1	0.85	0.66
tblVehicleEF	LHD1	2.66	1.09
tblVehicleEF	LHD1	8.92	8.88
tblVehicleEF	LHD1	603.81	667.06
tblVehicleEF	LHD1	33.34	12.39
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.89	0.59
tblVehicleEF	LHD1	0.96	0.32
tblVehicleEF	LHD1	8.2600e-004	7.5000e-004
tblVehicleEF	LHD1	0.01	9.6680e-003
tblVehicleEF	LHD1	9.1270e-003	6.2840e-003
tblVehicleEF	LHD1	1.0140e-003	2.8500e-004

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tblVehicleEF	LHD1	7.9000e-004	7.1700e-004
tblVehicleEF	LHD1	2.5160e-003	2.4170e-003
tblVehicleEF	LHD1	8.7050e-003	5.9830e-003
tblVehicleEF	LHD1	9.3300e-004	2.6200e-004
tblVehicleEF	LHD1	4.7100e-003	3.7600e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.6900e-003	2.1600e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.30	0.53
tblVehicleEF	LHD1	0.26	0.08
tblVehicleEF	LHD1	9.0000e-005	8.6000e-005
tblVehicleEF	LHD1	5.9310e-003	6.5150e-003
tblVehicleEF	LHD1	3.8300e-004	1.2300e-004
tblVehicleEF	LHD1	4.7100e-003	3.7600e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	2.6900e-003	2.1600e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.30	0.53
tblVehicleEF	LHD1	0.28	0.08
tblVehicleEF	LHD1	5.5970e-003	5.6090e-003
tblVehicleEF	LHD1	0.01	5.6460e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.19
tblVehicleEF	LHD1	0.83	0.64
tblVehicleEF	LHD1	2.81	1.15

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tblVehicleEF	LHD1	8.92	8.88
tblVehicleEF	LHD1	603.81	667.03
tblVehicleEF	LHD1	33.34	12.50
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.94	0.62
tblVehicleEF	LHD1	1.01	0.34
tblVehicleEF	LHD1	8.2600e-004	7.5000e-004
tblVehicleEF	LHD1	0.01	9.6680e-003
tblVehicleEF	LHD1	9.1270e-003	6.2840e-003
tblVehicleEF	LHD1	1.0140e-003	2.8500e-004
tblVehicleEF	LHD1	7.9000e-004	7.1700e-004
tblVehicleEF	LHD1	2.5160e-003	2.4170e-003
tblVehicleEF	LHD1	8.7050e-003	5.9830e-003
tblVehicleEF	LHD1	9.3300e-004	2.6200e-004
tblVehicleEF	LHD1	3.3080e-003	2.6900e-003
tblVehicleEF	LHD1	0.12	0.09
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.8850e-003	1.5400e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.33	0.60
tblVehicleEF	LHD1	0.27	0.08
tblVehicleEF	LHD1	9.0000e-005	8.6000e-005
tblVehicleEF	LHD1	5.9300e-003	6.5150e-003
tblVehicleEF	LHD1	3.8600e-004	1.2400e-004
tblVehicleEF	LHD1	3.3080e-003	2.6900e-003
tblVehicleEF	LHD1	0.12	0.09
tblVehicleEF	LHD1	0.02	0.03

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tblVehicleEF	LHD1	1.8850e-003	1.5400e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.33	0.60
tblVehicleEF	LHD1	0.29	0.09
tblVehicleEF	LHD2	4.0020e-003	3.9440e-003
tblVehicleEF	LHD2	4.2980e-003	3.9460e-003
tblVehicleEF	LHD2	8.5190e-003	0.01
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.34	0.44
tblVehicleEF	LHD2	1.37	0.77
tblVehicleEF	LHD2	13.57	13.40
tblVehicleEF	LHD2	617.83	668.37
tblVehicleEF	LHD2	27.88	9.65
tblVehicleEF	LHD2	0.09	0.08
tblVehicleEF	LHD2	0.65	0.81
tblVehicleEF	LHD2	0.55	0.23
tblVehicleEF	LHD2	1.1620e-003	1.2440e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8510e-003	9.8680e-003
tblVehicleEF	LHD2	4.6900e-004	1.6300e-004
tblVehicleEF	LHD2	1.1110e-003	1.1900e-003
tblVehicleEF	LHD2	2.6540e-003	2.6300e-003
tblVehicleEF	LHD2	8.4540e-003	9.4240e-003
tblVehicleEF	LHD2	4.3100e-004	1.5000e-004
tblVehicleEF	LHD2	1.1380e-003	1.5770e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02

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tblVehicleEF	LHD2	7.4500e-004	9.7800e-004
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.08	0.35
tblVehicleEF	LHD2	0.11	0.06
tblVehicleEF	LHD2	1.3300e-004	1.2900e-004
tblVehicleEF	LHD2	6.0210e-003	6.4710e-003
tblVehicleEF	LHD2	3.0400e-004	9.5000e-005
tblVehicleEF	LHD2	1.1380e-003	1.5770e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.4500e-004	9.7800e-004
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.08	0.35
tblVehicleEF	LHD2	0.13	0.06
tblVehicleEF	LHD2	4.0020e-003	3.9530e-003
tblVehicleEF	LHD2	4.3570e-003	3.9910e-003
tblVehicleEF	LHD2	8.2260e-003	0.01
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.35	0.44
tblVehicleEF	LHD2	1.31	0.74
tblVehicleEF	LHD2	13.57	13.40
tblVehicleEF	LHD2	617.83	668.38
tblVehicleEF	LHD2	27.88	9.59
tblVehicleEF	LHD2	0.09	0.08
tblVehicleEF	LHD2	0.61	0.76
tblVehicleEF	LHD2	0.53	0.22
tblVehicleEF	LHD2	1.1620e-003	1.2440e-003

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tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8510e-003	9.8680e-003
tblVehicleEF	LHD2	4.6900e-004	1.6300e-004
tblVehicleEF	LHD2	1.1110e-003	1.1900e-003
tblVehicleEF	LHD2	2.6540e-003	2.6300e-003
tblVehicleEF	LHD2	8.4540e-003	9.4240e-003
tblVehicleEF	LHD2	4.3100e-004	1.5000e-004
tblVehicleEF	LHD2	1.6960e-003	2.3210e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.0400e-003	1.3550e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.08	0.34
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	1.3300e-004	1.2900e-004
tblVehicleEF	LHD2	6.0210e-003	6.4710e-003
tblVehicleEF	LHD2	3.0300e-004	9.5000e-005
tblVehicleEF	LHD2	1.6960e-003	2.3210e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.0400e-003	1.3550e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.08	0.34
tblVehicleEF	LHD2	0.12	0.06
tblVehicleEF	LHD2	4.0020e-003	3.9420e-003
tblVehicleEF	LHD2	4.2820e-003	3.9330e-003
tblVehicleEF	LHD2	8.5780e-003	0.01

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tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.34	0.43
tblVehicleEF	LHD2	1.38	0.78
tblVehicleEF	LHD2	13.57	13.40
tblVehicleEF	LHD2	617.83	668.37
tblVehicleEF	LHD2	27.88	9.66
tblVehicleEF	LHD2	0.09	0.08
tblVehicleEF	LHD2	0.64	0.80
tblVehicleEF	LHD2	0.56	0.24
tblVehicleEF	LHD2	1.1620e-003	1.2440e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8510e-003	9.8680e-003
tblVehicleEF	LHD2	4.6900e-004	1.6300e-004
tblVehicleEF	LHD2	1.1110e-003	1.1900e-003
tblVehicleEF	LHD2	2.6540e-003	2.6300e-003
tblVehicleEF	LHD2	8.4540e-003	9.4240e-003
tblVehicleEF	LHD2	4.3100e-004	1.5000e-004
tblVehicleEF	LHD2	1.1610e-003	1.6340e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.2300e-004	9.5000e-004
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.09	0.39
tblVehicleEF	LHD2	0.12	0.06
tblVehicleEF	LHD2	1.3300e-004	1.2900e-004
tblVehicleEF	LHD2	6.0210e-003	6.4710e-003
tblVehicleEF	LHD2	3.0400e-004	9.6000e-005

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tblVehicleEF	LHD2	1.1610e-003	1.6340e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.2300e-004	9.5000e-004
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.09	0.39
tblVehicleEF	LHD2	0.13	0.06
tblVehicleEF	MCY	0.54	0.38
tblVehicleEF	MCY	0.15	0.23
tblVehicleEF	MCY	18.94	19.11
tblVehicleEF	MCY	9.66	8.52
tblVehicleEF	MCY	188.92	223.68
tblVehicleEF	MCY	44.52	59.56
tblVehicleEF	MCY	1.13	1.13
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	2.4360e-003	2.4430e-003
tblVehicleEF	MCY	3.8630e-003	3.2940e-003
tblVehicleEF	MCY	2.2770e-003	2.2830e-003
tblVehicleEF	MCY	3.6360e-003	3.1000e-003
tblVehicleEF	MCY	1.06	1.08
tblVehicleEF	MCY	0.63	0.65
tblVehicleEF	MCY	0.65	0.66
tblVehicleEF	MCY	2.60	2.61
tblVehicleEF	MCY	0.60	1.98
tblVehicleEF	MCY	2.05	1.81
tblVehicleEF	MCY	2.2780e-003	2.2130e-003
tblVehicleEF	MCY	6.6300e-004	5.8900e-004

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tblVehicleEF	MCY	1.06	1.08
tblVehicleEF	MCY	0.63	0.65
tblVehicleEF	MCY	0.65	0.66
tblVehicleEF	MCY	3.23	3.25
tblVehicleEF	MCY	0.60	1.98
tblVehicleEF	MCY	2.23	1.97
tblVehicleEF	MCY	0.53	0.37
tblVehicleEF	MCY	0.13	0.21
tblVehicleEF	MCY	18.24	18.37
tblVehicleEF	MCY	8.82	7.76
tblVehicleEF	MCY	188.92	222.28
tblVehicleEF	MCY	44.52	57.67
tblVehicleEF	MCY	0.99	0.99
tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	2.4360e-003	2.4430e-003
tblVehicleEF	MCY	3.8630e-003	3.2940e-003
tblVehicleEF	MCY	2.2770e-003	2.2830e-003
tblVehicleEF	MCY	3.6360e-003	3.1000e-003
tblVehicleEF	MCY	1.73	1.72
tblVehicleEF	MCY	0.70	0.71
tblVehicleEF	MCY	1.07	1.07
tblVehicleEF	MCY	2.54	2.55
tblVehicleEF	MCY	0.56	1.86
tblVehicleEF	MCY	1.83	1.61
tblVehicleEF	MCY	2.2650e-003	2.2000e-003
tblVehicleEF	MCY	6.4300e-004	5.7100e-004
tblVehicleEF	MCY	1.73	1.72

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tblVehicleEF	MCY	0.70	0.71
tblVehicleEF	MCY	1.07	1.07
tblVehicleEF	MCY	3.16	3.17
tblVehicleEF	MCY	0.56	1.86
tblVehicleEF	MCY	1.99	1.75
tblVehicleEF	MCY	0.54	0.38
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	19.04	19.25
tblVehicleEF	MCY	9.80	8.66
tblVehicleEF	MCY	188.92	223.96
tblVehicleEF	MCY	44.52	59.94
tblVehicleEF	MCY	1.11	1.11
tblVehicleEF	MCY	0.31	0.27
tblVehicleEF	MCY	2.4360e-003	2.4430e-003
tblVehicleEF	MCY	3.8630e-003	3.2940e-003
tblVehicleEF	MCY	2.2770e-003	2.2830e-003
tblVehicleEF	MCY	3.6360e-003	3.1000e-003
tblVehicleEF	MCY	1.16	1.18
tblVehicleEF	MCY	0.82	0.84
tblVehicleEF	MCY	0.62	0.64
tblVehicleEF	MCY	2.61	2.63
tblVehicleEF	MCY	0.69	2.28
tblVehicleEF	MCY	2.09	1.86
tblVehicleEF	MCY	2.2800e-003	2.2160e-003
tblVehicleEF	MCY	6.6700e-004	5.9300e-004
tblVehicleEF	MCY	1.16	1.18
tblVehicleEF	MCY	0.82	0.84

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tblVehicleEF	MCY	0.62	0.64
tblVehicleEF	MCY	3.25	3.26
tblVehicleEF	MCY	0.69	2.28
tblVehicleEF	MCY	2.28	2.02
tblVehicleEF	MDV	0.01	6.5350e-003
tblVehicleEF	MDV	0.01	0.08
tblVehicleEF	MDV	1.33	1.22
tblVehicleEF	MDV	2.48	3.10
tblVehicleEF	MDV	512.22	421.49
tblVehicleEF	MDV	103.14	83.59
tblVehicleEF	MDV	0.15	0.11
tblVehicleEF	MDV	0.22	0.34
tblVehicleEF	MDV	2.3560e-003	2.0880e-003
tblVehicleEF	MDV	2.5140e-003	2.0610e-003
tblVehicleEF	MDV	2.1720e-003	1.9250e-003
tblVehicleEF	MDV	2.3120e-003	1.8950e-003
tblVehicleEF	MDV	0.07	0.08
tblVehicleEF	MDV	0.15	0.14
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.09	0.43
tblVehicleEF	MDV	0.19	0.40
tblVehicleEF	MDV	5.1310e-003	4.1410e-003
tblVehicleEF	MDV	1.0750e-003	8.2200e-004
tblVehicleEF	MDV	0.07	0.08
tblVehicleEF	MDV	0.15	0.14
tblVehicleEF	MDV	0.07	0.09

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tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.09	0.43
tblVehicleEF	MDV	0.21	0.44
tblVehicleEF	MDV	0.01	6.9310e-003
tblVehicleEF	MDV	0.01	0.07
tblVehicleEF	MDV	1.45	1.32
tblVehicleEF	MDV	2.12	2.63
tblVehicleEF	MDV	534.67	433.96
tblVehicleEF	MDV	103.14	82.70
tblVehicleEF	MDV	0.13	0.10
tblVehicleEF	MDV	0.20	0.32
tblVehicleEF	MDV	2.3560e-003	2.0880e-003
tblVehicleEF	MDV	2.5140e-003	2.0610e-003
tblVehicleEF	MDV	2.1720e-003	1.9250e-003
tblVehicleEF	MDV	2.3120e-003	1.8950e-003
tblVehicleEF	MDV	0.10	0.13
tblVehicleEF	MDV	0.16	0.14
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.08	0.40
tblVehicleEF	MDV	0.17	0.36
tblVehicleEF	MDV	5.3570e-003	4.2630e-003
tblVehicleEF	MDV	1.0680e-003	8.1300e-004
tblVehicleEF	MDV	0.10	0.13
tblVehicleEF	MDV	0.16	0.15
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.05	0.04

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tblVehicleEF	MDV	0.08	0.40
tblVehicleEF	MDV	0.18	0.39
tblVehicleEF	MDV	0.01	6.4070e-003
tblVehicleEF	MDV	0.01	0.08
tblVehicleEF	MDV	1.29	1.18
tblVehicleEF	MDV	2.56	3.21
tblVehicleEF	MDV	503.99	416.89
tblVehicleEF	MDV	103.14	83.79
tblVehicleEF	MDV	0.14	0.11
tblVehicleEF	MDV	0.22	0.35
tblVehicleEF	MDV	2.3560e-003	2.0880e-003
tblVehicleEF	MDV	2.5140e-003	2.0610e-003
tblVehicleEF	MDV	2.1720e-003	1.9250e-003
tblVehicleEF	MDV	2.3120e-003	1.8950e-003
tblVehicleEF	MDV	0.06	0.08
tblVehicleEF	MDV	0.16	0.15
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.10	0.50
tblVehicleEF	MDV	0.19	0.41
tblVehicleEF	MDV	5.0480e-003	4.0950e-003
tblVehicleEF	MDV	1.0760e-003	8.2400e-004
tblVehicleEF	MDV	0.06	0.08
tblVehicleEF	MDV	0.16	0.15
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.10	0.50

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tblVehicleEF	MDV	0.21	0.45
tblVehicleEF	MH	0.03	3.1210e-003
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	2.24	0.27
tblVehicleEF	MH	5.78	0.00
tblVehicleEF	MH	1,130.03	965.33
tblVehicleEF	MH	60.43	0.00
tblVehicleEF	MH	1.08	3.43
tblVehicleEF	MH	0.80	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.02	0.07
tblVehicleEF	MH	1.1280e-003	0.00
tblVehicleEF	MH	3.2020e-003	4.0000e-003
tblVehicleEF	MH	0.02	0.07
tblVehicleEF	MH	1.0370e-003	0.00
tblVehicleEF	MH	0.95	0.00
tblVehicleEF	MH	0.07	0.00
tblVehicleEF	MH	0.41	0.00
tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.33	0.00
tblVehicleEF	MH	0.01	9.1260e-003
tblVehicleEF	MH	7.0500e-004	0.00
tblVehicleEF	MH	0.95	0.00
tblVehicleEF	MH	0.07	0.00
tblVehicleEF	MH	0.41	0.00
tblVehicleEF	MH	0.12	0.08

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tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.36	0.00
tblVehicleEF	MH	0.03	3.1210e-003
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	2.30	0.27
tblVehicleEF	MH	5.44	0.00
tblVehicleEF	MH	1,130.03	965.33
tblVehicleEF	MH	60.43	0.00
tblVehicleEF	MH	0.99	3.24
tblVehicleEF	MH	0.76	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.02	0.07
tblVehicleEF	MH	1.1280e-003	0.00
tblVehicleEF	MH	3.2020e-003	4.0000e-003
tblVehicleEF	MH	0.02	0.07
tblVehicleEF	MH	1.0370e-003	0.00
tblVehicleEF	MH	1.41	0.00
tblVehicleEF	MH	0.07	0.00
tblVehicleEF	MH	0.58	0.00
tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.31	0.00
tblVehicleEF	MH	0.01	9.1260e-003
tblVehicleEF	MH	6.9900e-004	0.00
tblVehicleEF	MH	1.41	0.00
tblVehicleEF	MH	0.07	0.00
tblVehicleEF	MH	0.58	0.00

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tblVehicleEF	MH	0.12	0.08
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.34	0.00
tblVehicleEF	MH	0.03	3.1210e-003
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	2.22	0.27
tblVehicleEF	MH	5.83	0.00
tblVehicleEF	MH	1,130.03	965.33
tblVehicleEF	MH	60.43	0.00
tblVehicleEF	MH	1.06	3.37
tblVehicleEF	MH	0.80	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.02	0.07
tblVehicleEF	MH	1.1280e-003	0.00
tblVehicleEF	MH	3.2020e-003	4.0000e-003
tblVehicleEF	MH	0.02	0.07
tblVehicleEF	MH	1.0370e-003	0.00
tblVehicleEF	MH	1.08	0.00
tblVehicleEF	MH	0.08	0.00
tblVehicleEF	MH	0.42	0.00
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.33	0.00
tblVehicleEF	MH	0.01	9.1260e-003
tblVehicleEF	MH	7.0600e-004	0.00
tblVehicleEF	MH	1.08	0.00
tblVehicleEF	MH	0.08	0.00

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tblVehicleEF	MH	0.42	0.00
tblVehicleEF	MH	0.12	0.08
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.36	0.00
tblVehicleEF	MHD	0.02	4.4240e-003
tblVehicleEF	MHD	4.8560e-003	4.6020e-003
tblVehicleEF	MHD	0.05	0.01
tblVehicleEF	MHD	0.37	0.39
tblVehicleEF	MHD	0.37	0.47
tblVehicleEF	MHD	6.14	1.44
tblVehicleEF	MHD	132.92	67.32
tblVehicleEF	MHD	1,150.98	1,070.87
tblVehicleEF	MHD	63.58	12.17
tblVehicleEF	MHD	0.49	0.47
tblVehicleEF	MHD	1.14	1.63
tblVehicleEF	MHD	9.96	1.29
tblVehicleEF	MHD	2.4800e-004	1.0730e-003
tblVehicleEF	MHD	5.1090e-003	0.03
tblVehicleEF	MHD	8.4300e-004	1.3800e-004
tblVehicleEF	MHD	2.3800e-004	1.0270e-003
tblVehicleEF	MHD	4.8830e-003	0.03
tblVehicleEF	MHD	7.7600e-004	1.2700e-004
tblVehicleEF	MHD	1.1350e-003	6.6800e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	7.4200e-004	4.3000e-004
tblVehicleEF	MHD	0.05	0.06

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tblVehicleEF	MHD	0.02	0.14
tblVehicleEF	MHD	0.37	0.07
tblVehicleEF	MHD	1.2810e-003	6.4000e-004
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.4300e-004	1.2000e-004
tblVehicleEF	MHD	1.1350e-003	6.6800e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	7.4200e-004	4.3000e-004
tblVehicleEF	MHD	0.05	0.07
tblVehicleEF	MHD	0.02	0.14
tblVehicleEF	MHD	0.41	0.07
tblVehicleEF	MHD	0.02	4.1930e-003
tblVehicleEF	MHD	4.9280e-003	4.6540e-003
tblVehicleEF	MHD	0.05	0.01
tblVehicleEF	MHD	0.27	0.32
tblVehicleEF	MHD	0.38	0.48
tblVehicleEF	MHD	5.83	1.36
tblVehicleEF	MHD	140.78	68.14
tblVehicleEF	MHD	1,150.98	1,070.88
tblVehicleEF	MHD	63.58	12.05
tblVehicleEF	MHD	0.51	0.48
tblVehicleEF	MHD	1.08	1.54
tblVehicleEF	MHD	9.92	1.28
tblVehicleEF	MHD	2.0900e-004	9.0700e-004
tblVehicleEF	MHD	5.1090e-003	0.03
tblVehicleEF	MHD	8.4300e-004	1.3800e-004

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tblVehicleEF	MHD	2.0000e-004	8.6800e-004
tblVehicleEF	MHD	4.8830e-003	0.03
tblVehicleEF	MHD	7.7600e-004	1.2700e-004
tblVehicleEF	MHD	1.7000e-003	9.9300e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	1.0480e-003	6.0400e-004
tblVehicleEF	MHD	0.05	0.06
tblVehicleEF	MHD	0.02	0.14
tblVehicleEF	MHD	0.36	0.06
tblVehicleEF	MHD	1.3550e-003	6.4800e-004
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.3800e-004	1.1900e-004
tblVehicleEF	MHD	1.7000e-003	9.9300e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	1.0480e-003	6.0400e-004
tblVehicleEF	MHD	0.06	0.07
tblVehicleEF	MHD	0.02	0.14
tblVehicleEF	MHD	0.39	0.07
tblVehicleEF	MHD	0.02	4.7550e-003
tblVehicleEF	MHD	4.8360e-003	4.5850e-003
tblVehicleEF	MHD	0.05	0.01
tblVehicleEF	MHD	0.52	0.49
tblVehicleEF	MHD	0.37	0.47
tblVehicleEF	MHD	6.20	1.45
tblVehicleEF	MHD	122.05	66.18

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tblVehicleEF	MHD	1,150.98	1,070.87
tblVehicleEF	MHD	63.58	12.19
tblVehicleEF	MHD	0.47	0.47
tblVehicleEF	MHD	1.12	1.60
tblVehicleEF	MHD	9.97	1.29
tblVehicleEF	MHD	3.0200e-004	1.3020e-003
tblVehicleEF	MHD	5.1090e-003	0.03
tblVehicleEF	MHD	8.4300e-004	1.3800e-004
tblVehicleEF	MHD	2.8900e-004	1.2460e-003
tblVehicleEF	MHD	4.8830e-003	0.03
tblVehicleEF	MHD	7.7600e-004	1.2700e-004
tblVehicleEF	MHD	1.1690e-003	6.9100e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	7.2400e-004	4.2100e-004
tblVehicleEF	MHD	0.05	0.06
tblVehicleEF	MHD	0.02	0.16
tblVehicleEF	MHD	0.38	0.07
tblVehicleEF	MHD	1.1790e-003	6.2900e-004
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.4400e-004	1.2100e-004
tblVehicleEF	MHD	1.1690e-003	6.9100e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	7.2400e-004	4.2100e-004
tblVehicleEF	MHD	0.05	0.07
tblVehicleEF	MHD	0.02	0.16

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tblVehicleEF	MHD	0.41	0.07
tblVehicleEF	OBUS	0.01	8.4750e-003
tblVehicleEF	OBUS	7.7220e-003	6.9630e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.28	0.60
tblVehicleEF	OBUS	0.53	0.78
tblVehicleEF	OBUS	5.41	2.39
tblVehicleEF	OBUS	112.13	94.21
tblVehicleEF	OBUS	1,260.49	1,391.50
tblVehicleEF	OBUS	67.92	19.24
tblVehicleEF	OBUS	0.51	0.46
tblVehicleEF	OBUS	1.55	1.57
tblVehicleEF	OBUS	2.60	0.75
tblVehicleEF	OBUS	1.1400e-004	7.8900e-004
tblVehicleEF	OBUS	7.4300e-003	0.02
tblVehicleEF	OBUS	8.0700e-004	1.9700e-004
tblVehicleEF	OBUS	1.0900e-004	7.5500e-004
tblVehicleEF	OBUS	7.0930e-003	0.02
tblVehicleEF	OBUS	7.4200e-004	1.8100e-004
tblVehicleEF	OBUS	1.4340e-003	1.8390e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	7.6800e-004	9.4100e-004
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	0.04	0.26
tblVehicleEF	OBUS	0.34	0.11
tblVehicleEF	OBUS	1.0820e-003	8.9600e-004

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tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.7400e-004	1.9000e-004
tblVehicleEF	OBUS	1.4340e-003	1.8390e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	7.6800e-004	9.4100e-004
tblVehicleEF	OBUS	0.08	0.08
tblVehicleEF	OBUS	0.04	0.26
tblVehicleEF	OBUS	0.37	0.13
tblVehicleEF	OBUS	0.01	8.5340e-003
tblVehicleEF	OBUS	7.8490e-003	7.0850e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.27	0.58
tblVehicleEF	OBUS	0.54	0.80
tblVehicleEF	OBUS	5.11	2.26
tblVehicleEF	OBUS	117.81	94.08
tblVehicleEF	OBUS	1,260.49	1,391.52
tblVehicleEF	OBUS	67.92	19.02
tblVehicleEF	OBUS	0.53	0.45
tblVehicleEF	OBUS	1.46	1.48
tblVehicleEF	OBUS	2.57	0.74
tblVehicleEF	OBUS	9.6000e-005	6.7100e-004
tblVehicleEF	OBUS	7.4300e-003	0.02
tblVehicleEF	OBUS	8.0700e-004	1.9700e-004
tblVehicleEF	OBUS	9.2000e-005	6.4200e-004
tblVehicleEF	OBUS	7.0930e-003	0.02
tblVehicleEF	OBUS	7.4200e-004	1.8100e-004

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tblVehicleEF	OBUS	2.1010e-003	2.6500e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	1.0830e-003	1.3070e-003
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	0.04	0.26
tblVehicleEF	OBUS	0.32	0.11
tblVehicleEF	OBUS	1.1360e-003	8.9500e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.6900e-004	1.8800e-004
tblVehicleEF	OBUS	2.1010e-003	2.6500e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	1.0830e-003	1.3070e-003
tblVehicleEF	OBUS	0.08	0.08
tblVehicleEF	OBUS	0.04	0.26
tblVehicleEF	OBUS	0.35	0.12
tblVehicleEF	OBUS	0.01	8.4130e-003
tblVehicleEF	OBUS	7.6880e-003	6.9290e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.30	0.61
tblVehicleEF	OBUS	0.53	0.78
tblVehicleEF	OBUS	5.47	2.42
tblVehicleEF	OBUS	104.30	94.40
tblVehicleEF	OBUS	1,260.49	1,391.49
tblVehicleEF	OBUS	67.92	19.29
tblVehicleEF	OBUS	0.49	0.47

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tblVehicleEF	OBUS	1.52	1.55
tblVehicleEF	OBUS	2.61	0.76
tblVehicleEF	OBUS	1.3900e-004	9.5300e-004
tblVehicleEF	OBUS	7.4300e-003	0.02
tblVehicleEF	OBUS	8.0700e-004	1.9700e-004
tblVehicleEF	OBUS	1.3300e-004	9.1200e-004
tblVehicleEF	OBUS	7.0930e-003	0.02
tblVehicleEF	OBUS	7.4200e-004	1.8100e-004
tblVehicleEF	OBUS	1.4690e-003	1.9220e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	7.4700e-004	9.2400e-004
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	0.04	0.28
tblVehicleEF	OBUS	0.34	0.12
tblVehicleEF	OBUS	1.0070e-003	8.9800e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.7500e-004	1.9100e-004
tblVehicleEF	OBUS	1.4690e-003	1.9220e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.06	0.07
tblVehicleEF	OBUS	7.4700e-004	9.2400e-004
tblVehicleEF	OBUS	0.08	0.08
tblVehicleEF	OBUS	0.04	0.28
tblVehicleEF	OBUS	0.37	0.13
tblVehicleEF	SBUS	0.84	0.07
tblVehicleEF	SBUS	0.01	7.0600e-003

San Francisco Avenue (Currently Approved Operations) - Los Angeles-South Coast County, Summer

tblVehicleEF	SBUS	0.06	6.7770e-003
tblVehicleEF	SBUS	8.15	2.99
tblVehicleEF	SBUS	0.72	0.60
tblVehicleEF	SBUS	7.31	0.93
tblVehicleEF	SBUS	1,121.00	354.63
tblVehicleEF	SBUS	1,079.30	1,100.97
tblVehicleEF	SBUS	55.06	5.73
tblVehicleEF	SBUS	9.20	3.14
tblVehicleEF	SBUS	4.17	4.65
tblVehicleEF	SBUS	12.12	0.90
tblVehicleEF	SBUS	9.3410e-003	3.9540e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	8.1500e-004	5.5000e-005
tblVehicleEF	SBUS	8.9370e-003	3.7830e-003
tblVehicleEF	SBUS	2.6670e-003	2.6630e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	7.5000e-004	5.1000e-005
tblVehicleEF	SBUS	3.3650e-003	9.8900e-004
tblVehicleEF	SBUS	0.03	8.5880e-003
tblVehicleEF	SBUS	0.97	0.34
tblVehicleEF	SBUS	1.7650e-003	5.2700e-004
tblVehicleEF	SBUS	0.10	0.09
tblVehicleEF	SBUS	0.01	0.06
tblVehicleEF	SBUS	0.38	0.04
tblVehicleEF	SBUS	0.01	3.3860e-003
tblVehicleEF	SBUS	0.01	0.01

San Francisco Avenue (Currently Approved Operations) - Los Angeles-South Coast County, Summer

tblVehicleEF	SBUS	6.7700e-004	5.7000e-005
tblVehicleEF	SBUS	3.3650e-003	9.8900e-004
tblVehicleEF	SBUS	0.03	8.5880e-003
tblVehicleEF	SBUS	1.40	0.49
tblVehicleEF	SBUS	1.7650e-003	5.2700e-004
tblVehicleEF	SBUS	0.13	0.11
tblVehicleEF	SBUS	0.01	0.06
tblVehicleEF	SBUS	0.42	0.04
tblVehicleEF	SBUS	0.84	0.07
tblVehicleEF	SBUS	0.01	7.1400e-003
tblVehicleEF	SBUS	0.06	6.0470e-003
tblVehicleEF	SBUS	8.04	2.95
tblVehicleEF	SBUS	0.73	0.61
tblVehicleEF	SBUS	5.94	0.76
tblVehicleEF	SBUS	1,171.46	362.29
tblVehicleEF	SBUS	1,079.30	1,100.99
tblVehicleEF	SBUS	55.06	5.44
tblVehicleEF	SBUS	9.50	3.21
tblVehicleEF	SBUS	3.93	4.39
tblVehicleEF	SBUS	12.09	0.90
tblVehicleEF	SBUS	7.8750e-003	3.3400e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	8.1500e-004	5.5000e-005
tblVehicleEF	SBUS	7.5340e-003	3.1960e-003
tblVehicleEF	SBUS	2.6670e-003	2.6630e-003
tblVehicleEF	SBUS	0.02	0.03

San Francisco Avenue (Currently Approved Operations) - Los Angeles-South Coast County, Summer

tblVehicleEF	SBUS	7.5000e-004	5.1000e-005
tblVehicleEF	SBUS	4.9570e-003	1.4290e-003
tblVehicleEF	SBUS	0.03	8.7250e-003
tblVehicleEF	SBUS	0.97	0.34
tblVehicleEF	SBUS	2.5080e-003	7.3100e-004
tblVehicleEF	SBUS	0.10	0.09
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.34	0.03
tblVehicleEF	SBUS	0.01	3.4580e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.5400e-004	5.4000e-005
tblVehicleEF	SBUS	4.9570e-003	1.4290e-003
tblVehicleEF	SBUS	0.03	8.7250e-003
tblVehicleEF	SBUS	1.40	0.49
tblVehicleEF	SBUS	2.5080e-003	7.3100e-004
tblVehicleEF	SBUS	0.13	0.11
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.37	0.04
tblVehicleEF	SBUS	0.84	0.07
tblVehicleEF	SBUS	0.01	7.0350e-003
tblVehicleEF	SBUS	0.07	6.9450e-003
tblVehicleEF	SBUS	8.31	3.04
tblVehicleEF	SBUS	0.72	0.60
tblVehicleEF	SBUS	7.56	0.96
tblVehicleEF	SBUS	1,051.30	344.05
tblVehicleEF	SBUS	1,079.30	1,100.97
tblVehicleEF	SBUS	55.06	5.78

San Francisco Avenue (Currently Approved Operations) - Los Angeles-South Coast County, Summer

tblVehicleEF	SBUS	8.80	3.05
tblVehicleEF	SBUS	4.10	4.57
tblVehicleEF	SBUS	12.13	0.90
tblVehicleEF	SBUS	0.01	4.8000e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	8.1500e-004	5.5000e-005
tblVehicleEF	SBUS	0.01	4.5930e-003
tblVehicleEF	SBUS	2.6670e-003	2.6630e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	7.5000e-004	5.1000e-005
tblVehicleEF	SBUS	3.4320e-003	1.0030e-003
tblVehicleEF	SBUS	0.03	9.0230e-003
tblVehicleEF	SBUS	0.98	0.34
tblVehicleEF	SBUS	1.6940e-003	5.0600e-004
tblVehicleEF	SBUS	0.10	0.09
tblVehicleEF	SBUS	0.02	0.07
tblVehicleEF	SBUS	0.39	0.04
tblVehicleEF	SBUS	0.01	3.2860e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.8100e-004	5.7000e-005
tblVehicleEF	SBUS	3.4320e-003	1.0030e-003
tblVehicleEF	SBUS	0.03	9.0230e-003
tblVehicleEF	SBUS	1.41	0.49
tblVehicleEF	SBUS	1.6940e-003	5.0600e-004
tblVehicleEF	SBUS	0.13	0.11
tblVehicleEF	SBUS	0.02	0.07

San Francisco Avenue (Currently Approved Operations) - Los Angeles-South Coast County, Summer

tblVehicleEF	SBUS	0.43	0.04
tblVehicleEF	UBUS	2.61	5.85
tblVehicleEF	UBUS	0.05	0.01
tblVehicleEF	UBUS	11.22	45.42
tblVehicleEF	UBUS	8.87	0.71
tblVehicleEF	UBUS	1,968.89	1,991.58
tblVehicleEF	UBUS	96.56	8.61
tblVehicleEF	UBUS	9.98	0.47
tblVehicleEF	UBUS	15.36	0.08
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.13	3.1840e-003
tblVehicleEF	UBUS	1.0870e-003	4.6000e-005
tblVehicleEF	UBUS	0.26	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9690e-003
tblVehicleEF	UBUS	0.13	3.0430e-003
tblVehicleEF	UBUS	9.9900e-004	4.3000e-005
tblVehicleEF	UBUS	4.1440e-003	6.6500e-004
tblVehicleEF	UBUS	0.07	8.4730e-003
tblVehicleEF	UBUS	2.3870e-003	4.9100e-004
tblVehicleEF	UBUS	0.85	0.09
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.68	0.05
tblVehicleEF	UBUS	9.8600e-003	1.4410e-003
tblVehicleEF	UBUS	1.1250e-003	8.5000e-005
tblVehicleEF	UBUS	4.1440e-003	6.6500e-004
tblVehicleEF	UBUS	0.07	8.4730e-003

San Francisco Avenue (Currently Approved Operations) - Los Angeles-South Coast County, Summer

tblVehicleEF	UBUS	2.3870e-003	4.9100e-004
tblVehicleEF	UBUS	3.56	5.97
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.74	0.05
tblVehicleEF	UBUS	2.61	5.85
tblVehicleEF	UBUS	0.05	0.01
tblVehicleEF	UBUS	11.27	45.42
tblVehicleEF	UBUS	7.69	0.63
tblVehicleEF	UBUS	1,968.89	1,991.58
tblVehicleEF	UBUS	96.56	8.46
tblVehicleEF	UBUS	9.41	0.47
tblVehicleEF	UBUS	15.31	0.08
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.13	3.1840e-003
tblVehicleEF	UBUS	1.0870e-003	4.6000e-005
tblVehicleEF	UBUS	0.26	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9690e-003
tblVehicleEF	UBUS	0.13	3.0430e-003
tblVehicleEF	UBUS	9.9900e-004	4.3000e-005
tblVehicleEF	UBUS	5.9080e-003	9.6200e-004
tblVehicleEF	UBUS	0.07	8.7330e-003
tblVehicleEF	UBUS	3.2830e-003	6.7600e-004
tblVehicleEF	UBUS	0.86	0.09
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.62	0.04
tblVehicleEF	UBUS	9.8610e-003	1.4410e-003

San Francisco Avenue (Currently Approved Operations) - Los Angeles-South Coast County, Summer

tblVehicleEF	UBUS	1.1050e-003	8.4000e-005
tblVehicleEF	UBUS	5.9080e-003	9.6200e-004
tblVehicleEF	UBUS	0.07	8.7330e-003
tblVehicleEF	UBUS	3.2830e-003	6.7600e-004
tblVehicleEF	UBUS	3.57	5.97
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.68	0.05
tblVehicleEF	UBUS	2.61	5.85
tblVehicleEF	UBUS	0.05	0.01
tblVehicleEF	UBUS	11.21	45.42
tblVehicleEF	UBUS	9.08	0.73
tblVehicleEF	UBUS	1,968.89	1,991.58
tblVehicleEF	UBUS	96.56	8.64
tblVehicleEF	UBUS	9.79	0.47
tblVehicleEF	UBUS	15.38	0.09
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.13	3.1840e-003
tblVehicleEF	UBUS	1.0870e-003	4.6000e-005
tblVehicleEF	UBUS	0.26	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9690e-003
tblVehicleEF	UBUS	0.13	3.0430e-003
tblVehicleEF	UBUS	9.9900e-004	4.3000e-005
tblVehicleEF	UBUS	4.7000e-003	6.4800e-004
tblVehicleEF	UBUS	0.08	9.0360e-003
tblVehicleEF	UBUS	2.5010e-003	4.6600e-004
tblVehicleEF	UBUS	0.85	0.09

San Francisco Avenue (Currently Approved Operations) - Los Angeles-South Coast County, Summer

tblVehicleEF	UBUS	0.03	0.07
tblVehicleEF	UBUS	0.69	0.05
tblVehicleEF	UBUS	9.8590e-003	1.4410e-003
tblVehicleEF	UBUS	1.1290e-003	8.5000e-005
tblVehicleEF	UBUS	4.7000e-003	6.4800e-004
tblVehicleEF	UBUS	0.08	9.0360e-003
tblVehicleEF	UBUS	2.5010e-003	4.6600e-004
tblVehicleEF	UBUS	3.55	5.97
tblVehicleEF	UBUS	0.03	0.07
tblVehicleEF	UBUS	0.75	0.05
tblVehicleTrips	CW_TL	16.60	40.00
tblVehicleTrips	CW_TTP	0.00	100.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	1.32	1.83
tblVehicleTrips	ST_TR	0.00	0.16
tblVehicleTrips	SU_TR	0.68	4.61
tblVehicleTrips	SU_TR	0.00	0.39
tblVehicleTrips	WD_TR	6.97	4.57
tblVehicleTrips	WD_TR	0.00	0.41

2.0 Emissions Summary

San Francisco Avenue (Currently Approved Operations) - Los Angeles-South Coast County, Summer

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

[illegible]

Mitigated Construction

[illegible][illegible]

San Francisco Avenue (Currently Approved Operations) - Los Angeles-South Coast County, Summer

2.2 Overall Operational**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.1317	2.6000e-004	0.0284	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0608	0.0608	1.6000e-004		0.0649
Energy	0.0735	0.6682	0.5613	4.0100e-003		0.0508	0.0508		0.0508	0.0508		801.7790	801.7790	0.0154	0.0147	806.5435
Mobile	0.4152	13.3169	3.3214	0.0585	7.0496	0.1267	7.1763	1.8023	0.1212	1.9234		6,324.6007	6,324.6007	0.2665		6,331.2618
Offroad	0.1220	1.2676	0.7586	3.1700e-003		0.0437	0.0437		0.0402	0.0402		306.7877	306.7877	0.0992		309.2683
Total	3.7425	15.2529	4.6697	0.0657	7.0496	0.2213	7.2709	1.8023	0.2123	2.0146		7,433.2282	7,433.2282	0.3812	0.0147	7,447.1384

San Francisco Avenue (Currently Approved Operations) - Los Angeles-South Coast County, Summer

2.2 Overall Operational**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.1317	2.6000e-004	0.0284	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0608	0.0608	1.6000e-004		0.0649
Energy	0.0735	0.6682	0.5613	4.0100e-003		0.0508	0.0508		0.0508	0.0508		801.7790	801.7790	0.0154	0.0147	806.5435
Mobile	0.4152	13.3169	3.3214	0.0585	7.0496	0.1267	7.1763	1.8023	0.1212	1.9234		6,324.6007	6,324.6007	0.2665		6,331.2618
Offroad	0.1220	1.2676	0.7586	3.1700e-003		0.0437	0.0437		0.0402	0.0402		306.7877	306.7877	0.0992		309.2683
Total	3.7425	15.2529	4.6697	0.0657	7.0496	0.2213	7.2709	1.8023	0.2123	2.0146		7,433.2282	7,433.2282	0.3812	0.0147	7,447.1384

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	10/4/2021	10/29/2021	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

San Francisco Avenue (Currently Approved Operations) - Los Angeles-South Coast County, Summer

Acres of Paving: 3.14**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)****OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Excavators	0	8.00	158	0.38
Demolition	Rubber Tired Dozers	0	8.00	247	0.40

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	0	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

San Francisco Avenue (Currently Approved Operations) - Los Angeles-South Coast County, Summer

3.2 Demolition - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

San Francisco Avenue (Currently Approved Operations) - Los Angeles-South Coast County, Summer

3.2 Demolition - 2021**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.0 Operational Detail - Mobile

San Francisco Avenue (Currently Approved Operations) - Los Angeles-South Coast County, Summer

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.4152	13.3169	3.3214	0.0585	7.0496	0.1267	7.1763	1.8023	0.1212	1.9234		6,324.6007	6,324.6007	0.2665		6,331.2618
Unmitigated	0.4152	13.3169	3.3214	0.0585	7.0496	0.1267	7.1763	1.8023	0.1212	1.9234		6,324.6007	6,324.6007	0.2665		6,331.2618

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	628.06	251.91	633.00	2,546,378	2,546,378
Other Asphalt Surfaces	0.00	0.00	0.00		
User Defined Industrial	55.93	21.58	54.15	739,219	739,219
Total	683.99	273.49	687.15	3,285,598	3,285,598

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
User Defined Industrial	40.00	8.40	6.90	100.00	0.00	0.00	100	0	0

San Francisco Avenue (Currently Approved Operations) - Los Angeles-South Coast County, Summer

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Other Asphalt Surfaces	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
User Defined Industrial	0.000000	0.000000	0.000000	0.000000	0.115300	0.045400	0.214300	0.625000	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0735	0.6682	0.5613	4.0100e-003		0.0508	0.0508		0.0508	0.0508		801.7790	801.7790	0.0154	0.0147	806.5435
NaturalGas Unmitigated	0.0735	0.6682	0.5613	4.0100e-003		0.0508	0.0508		0.0508	0.0508		801.7790	801.7790	0.0154	0.0147	806.5435

San Francisco Avenue (Currently Approved Operations) - Los Angeles-South Coast County, Summer

5.2 Energy by Land Use - NaturalGas**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	6815.12	0.0735	0.6682	0.5613	4.0100e-003		0.0508	0.0508		0.0508	0.0508		801.7790	801.7790	0.0154	0.0147	806.5435
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0735	0.6682	0.5613	4.0100e-003		0.0508	0.0508		0.0508	0.0508		801.7790	801.7790	0.0154	0.0147	806.5435

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	6.81512	0.0735	0.6682	0.5613	4.0100e-003		0.0508	0.0508		0.0508	0.0508		801.7790	801.7790	0.0154	0.0147	806.5435
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0735	0.6682	0.5613	4.0100e-003		0.0508	0.0508		0.0508	0.0508		801.7790	801.7790	0.0154	0.0147	806.5435

6.0 Area Detail

San Francisco Avenue (Currently Approved Operations) - Los Angeles-South Coast County, Summer

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	3.1317	2.6000e-004	0.0284	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0608	0.0608	1.6000e-004		0.0649
Unmitigated	3.1317	2.6000e-004	0.0284	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0608	0.0608	1.6000e-004		0.0649

6.2 Area by SubCategory**Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3595					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.7696					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.6400e-003	2.6000e-004	0.0284	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0608	0.0608	1.6000e-004		0.0649
Total	3.1317	2.6000e-004	0.0284	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0608	0.0608	1.6000e-004		0.0649

San Francisco Avenue (Currently Approved Operations) - Los Angeles-South Coast County, Summer

6.2 Area by SubCategory**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3595					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.7696					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.6400e-003	2.6000e-004	0.0284	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0608	0.0608	1.6000e-004		0.0649
Total	3.1317	2.6000e-004	0.0284	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0608	0.0608	1.6000e-004		0.0649

7.0 Water Detail**7.1 Mitigation Measures Water****8.0 Waste Detail****8.1 Mitigation Measures Waste****9.0 Operational Offroad**

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Tractors/Loaders/Backhoes	1	4.00	365	200	0.37	CNG

San Francisco Avenue (Currently Approved Operations) - Los Angeles-South Coast County, Summer

UnMitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Tractors/Loaders/Backhoes	0.1220	1.2676	0.7586	3.1700e-003		0.0437	0.0437		0.0402	0.0402		306.7877	306.7877	0.0992		309.2683
Total	0.1220	1.2676	0.7586	3.1700e-003		0.0437	0.0437		0.0402	0.0402		306.7877	306.7877	0.0992		309.2683

10.0 Stationary Equipment**Fire Pumps and Emergency Generators**

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

San Francisco Avenue (Currently Approved Operations) - Los Angeles-South Coast County, Winter

San Francisco Avenue (Currently Approved Operations)

Los Angeles-South Coast County, Winter

1.0 Project Characteristics**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	137.43	1000sqft	3.16	137,432.00	0
User Defined Industrial	137.43	User Defined Unit	0.00	0.00	0
Other Asphalt Surfaces	3.14	Acre	3.14	136,778.40	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9			Operational Year	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	564.66	CH4 Intensity (lb/MWhr)	0.023	N2O Intensity (lb/MWhr)	0.005

1.3 User Entered Comments & Non-Default Data

San Francisco Avenue (Currently Approved Operations) - Los Angeles-South Coast County, Winter

Project Characteristics - Intensity factors adjusted to reflect the RPS for the 2022 Opening Year

Land Use - Total Project area is approximately 6.3 acres

Construction Phase - Operations run only

Off-road Equipment - Operations run only

Trips and VMT - Operations run only

Vehicle Trips - Trip characteristics based on information provided in the Traffic Assessment

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Energy Use - The Project will design building shells and building components to meet 2019 Title 24 Standards which expects 30% less energy for nonresidential uses

Operational Off-Road Equipment - Based on SCAQMD High Cube Warehouse Truck Trip Study White Paper Summary of Business Survey Results (2014)

Fleet Mix - Passenger Car Mix estimated based on the CalEEMod default fleet mix and the ratio of the vehicle classes (LDA, LDT1, LDT2, MDV, & MCY). Truck Mix based on information in the Traffic Analysis

Water And Wastewater -

Table Name	Column Name	Default Value	New Value
tblFleetMix	HHD	0.03	0.00
tblFleetMix	HHD	0.03	0.63
tblFleetMix	LDA	0.55	0.00
tblFleetMix	LDA	0.55	0.00
tblFleetMix	LDT1	0.04	0.00
tblFleetMix	LDT1	0.04	0.00
tblFleetMix	LDT2	0.20	0.00
tblFleetMix	LDT2	0.20	0.00
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD1	0.02	0.12
tblFleetMix	LHD2	6.1960e-003	0.00

San Francisco Avenue (Currently Approved Operations) - Los Angeles-South Coast County, Winter

tblFleetMix	LHD2	6.1960e-003	0.05
tblFleetMix	MCY	5.1420e-003	0.00
tblFleetMix	MCY	5.1420e-003	0.00
tblFleetMix	MDV	0.12	0.00
tblFleetMix	MDV	0.12	0.00
tblFleetMix	MH	8.7600e-004	0.00
tblFleetMix	MH	8.7600e-004	0.00
tblFleetMix	MHD	0.02	0.00
tblFleetMix	MHD	0.02	0.21
tblFleetMix	OBUS	2.5150e-003	0.00
tblFleetMix	OBUS	2.5150e-003	0.00
tblFleetMix	SBUS	6.8700e-004	0.00
tblFleetMix	SBUS	6.8700e-004	0.00
tblFleetMix	UBUS	2.2010e-003	0.00
tblFleetMix	UBUS	2.2010e-003	0.00
tblLandUse	LandUseSquareFeet	137,430.00	137,432.00
tblLandUse	LotAcreage	3.15	3.16
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	365.00
tblOperationalOffRoadEquipment	OperFuelType	Diesel	CNG
tblOperationalOffRoadEquipment	OperHorsePower	97.00	200.00
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	4.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	1.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.023
tblProjectCharacteristics	CO2IntensityFactor	702.44	564.66

San Francisco Avenue (Currently Approved Operations) - Los Angeles-South Coast County, Winter

tblProjectCharacteristics	N2OIntensityFactor	0.006	0.005
tblVehicleEF	HHD	0.62	0.03
tblVehicleEF	HHD	0.09	0.08
tblVehicleEF	HHD	0.08	1.0000e-006
tblVehicleEF	HHD	2.47	6.23
tblVehicleEF	HHD	1.15	0.58
tblVehicleEF	HHD	3.30	9.5390e-003
tblVehicleEF	HHD	4,690.45	1,172.50
tblVehicleEF	HHD	1,639.83	1,482.70
tblVehicleEF	HHD	10.54	0.09
tblVehicleEF	HHD	20.39	6.32
tblVehicleEF	HHD	3.81	3.60
tblVehicleEF	HHD	19.54	2.06
tblVehicleEF	HHD	0.01	3.9370e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	8.7000e-005	2.0000e-006
tblVehicleEF	HHD	0.01	3.7670e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8380e-003	8.8970e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	8.0000e-005	1.0000e-006
tblVehicleEF	HHD	1.0500e-004	7.0000e-006
tblVehicleEF	HHD	4.6110e-003	2.7700e-004
tblVehicleEF	HHD	0.62	0.45
tblVehicleEF	HHD	7.9000e-005	5.0000e-006

San Francisco Avenue (Currently Approved Operations) - Los Angeles-South Coast County, Winter

tblVehicleEF	HHD	0.15	0.08
tblVehicleEF	HHD	3.9500e-004	1.5080e-003
tblVehicleEF	HHD	0.08	3.0000e-006
tblVehicleEF	HHD	0.04	0.01
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.6000e-004	1.0000e-006
tblVehicleEF	HHD	1.0500e-004	7.0000e-006
tblVehicleEF	HHD	4.6110e-003	2.7700e-004
tblVehicleEF	HHD	0.72	0.52
tblVehicleEF	HHD	7.9000e-005	5.0000e-006
tblVehicleEF	HHD	0.25	0.17
tblVehicleEF	HHD	3.9500e-004	1.5080e-003
tblVehicleEF	HHD	0.09	3.0000e-006
tblVehicleEF	HHD	0.58	0.03
tblVehicleEF	HHD	0.10	0.08
tblVehicleEF	HHD	0.07	1.0000e-006
tblVehicleEF	HHD	1.80	6.09
tblVehicleEF	HHD	1.16	0.59
tblVehicleEF	HHD	3.13	9.0610e-003
tblVehicleEF	HHD	4,968.94	1,168.97
tblVehicleEF	HHD	1,639.83	1,482.70
tblVehicleEF	HHD	10.54	0.09
tblVehicleEF	HHD	21.04	6.13
tblVehicleEF	HHD	3.60	3.41
tblVehicleEF	HHD	19.53	2.06
tblVehicleEF	HHD	0.01	3.4420e-003
tblVehicleEF	HHD	0.06	0.06

San Francisco Avenue (Currently Approved Operations) - Los Angeles-South Coast County, Winter

tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	8.7000e-005	2.0000e-006
tblVehicleEF	HHD	0.01	3.2930e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8380e-003	8.8970e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	8.0000e-005	1.0000e-006
tblVehicleEF	HHD	1.6000e-004	1.1000e-005
tblVehicleEF	HHD	4.7280e-003	2.8200e-004
tblVehicleEF	HHD	0.58	0.47
tblVehicleEF	HHD	1.1400e-004	8.0000e-006
tblVehicleEF	HHD	0.15	0.08
tblVehicleEF	HHD	3.8400e-004	1.4870e-003
tblVehicleEF	HHD	0.08	3.0000e-006
tblVehicleEF	HHD	0.05	0.01
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.5700e-004	1.0000e-006
tblVehicleEF	HHD	1.6000e-004	1.1000e-005
tblVehicleEF	HHD	4.7280e-003	2.8200e-004
tblVehicleEF	HHD	0.68	0.55
tblVehicleEF	HHD	1.1400e-004	8.0000e-006
tblVehicleEF	HHD	0.25	0.17
tblVehicleEF	HHD	3.8400e-004	1.4870e-003
tblVehicleEF	HHD	0.08	3.0000e-006
tblVehicleEF	HHD	0.67	0.02
tblVehicleEF	HHD	0.09	3.6360e-003

San Francisco Avenue (Currently Approved Operations) - Los Angeles-South Coast County, Winter

tblVehicleEF	HHD	0.08	1.0000e-006
tblVehicleEF	HHD	3.41	6.32
tblVehicleEF	HHD	1.15	0.38
tblVehicleEF	HHD	3.33	9.6340e-003
tblVehicleEF	HHD	4,305.87	1,158.96
tblVehicleEF	HHD	1,639.83	1,430.09
tblVehicleEF	HHD	10.54	0.09
tblVehicleEF	HHD	19.48	6.47
tblVehicleEF	HHD	3.75	3.49
tblVehicleEF	HHD	19.55	2.06
tblVehicleEF	HHD	0.02	4.3710e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	8.7000e-005	2.0000e-006
tblVehicleEF	HHD	0.02	4.1820e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8380e-003	8.7580e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	8.0000e-005	1.0000e-006
tblVehicleEF	HHD	1.0300e-004	8.0000e-006
tblVehicleEF	HHD	4.9260e-003	3.1500e-004
tblVehicleEF	HHD	0.66	0.42
tblVehicleEF	HHD	7.7000e-005	5.0000e-006
tblVehicleEF	HHD	0.15	0.08
tblVehicleEF	HHD	4.2900e-004	1.6010e-003
tblVehicleEF	HHD	0.08	3.0000e-006

San Francisco Avenue (Currently Approved Operations) - Los Angeles-South Coast County, Winter

tblVehicleEF	HHD	0.04	0.01
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.6000e-004	1.0000e-006
tblVehicleEF	HHD	1.0300e-004	8.0000e-006
tblVehicleEF	HHD	4.9260e-003	3.1500e-004
tblVehicleEF	HHD	0.78	0.48
tblVehicleEF	HHD	7.7000e-005	5.0000e-006
tblVehicleEF	HHD	0.25	0.09
tblVehicleEF	HHD	4.2900e-004	1.6010e-003
tblVehicleEF	HHD	0.09	3.0000e-006
tblVehicleEF	LDA	5.3420e-003	3.0240e-003
tblVehicleEF	LDA	5.4040e-003	0.05
tblVehicleEF	LDA	0.66	0.72
tblVehicleEF	LDA	1.15	2.10
tblVehicleEF	LDA	274.33	272.47
tblVehicleEF	LDA	57.08	53.62
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.07	0.18
tblVehicleEF	LDA	2.1700e-003	1.8010e-003
tblVehicleEF	LDA	2.2660e-003	1.8420e-003
tblVehicleEF	LDA	2.0000e-003	1.6590e-003
tblVehicleEF	LDA	2.0830e-003	1.6940e-003
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.21

San Francisco Avenue (Currently Approved Operations) - Los Angeles-South Coast County, Winter

tblVehicleEF	LDA	0.07	0.22
tblVehicleEF	LDA	2.7480e-003	2.6780e-003
tblVehicleEF	LDA	5.9000e-004	5.2700e-004
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.21
tblVehicleEF	LDA	0.08	0.25
tblVehicleEF	LDA	5.6740e-003	3.2280e-003
tblVehicleEF	LDA	4.8010e-003	0.04
tblVehicleEF	LDA	0.72	0.79
tblVehicleEF	LDA	0.98	1.79
tblVehicleEF	LDA	287.10	284.40
tblVehicleEF	LDA	57.08	53.05
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.06	0.17
tblVehicleEF	LDA	2.1700e-003	1.8010e-003
tblVehicleEF	LDA	2.2660e-003	1.8420e-003
tblVehicleEF	LDA	2.0000e-003	1.6590e-003
tblVehicleEF	LDA	2.0830e-003	1.6940e-003
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.11	0.10
tblVehicleEF	LDA	0.05	0.07
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.20
tblVehicleEF	LDA	0.06	0.20

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tblVehicleEF	LDA	2.8760e-003	2.7950e-003
tblVehicleEF	LDA	5.8700e-004	5.2200e-004
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.11	0.10
tblVehicleEF	LDA	0.05	0.07
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.20
tblVehicleEF	LDA	0.07	0.22
tblVehicleEF	LDA	5.2330e-003	2.9600e-003
tblVehicleEF	LDA	5.5300e-003	0.05
tblVehicleEF	LDA	0.63	0.69
tblVehicleEF	LDA	1.19	2.17
tblVehicleEF	LDA	269.66	268.07
tblVehicleEF	LDA	57.08	53.75
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.07	0.19
tblVehicleEF	LDA	2.1700e-003	1.8010e-003
tblVehicleEF	LDA	2.2660e-003	1.8420e-003
tblVehicleEF	LDA	2.0000e-003	1.6590e-003
tblVehicleEF	LDA	2.0830e-003	1.6940e-003
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.05	0.24
tblVehicleEF	LDA	0.07	0.23
tblVehicleEF	LDA	2.7010e-003	2.6350e-003

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tblVehicleEF	LDA	5.9100e-004	5.2800e-004
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.05	0.24
tblVehicleEF	LDA	0.08	0.25
tblVehicleEF	LDT1	0.02	7.7270e-003
tblVehicleEF	LDT1	0.01	0.07
tblVehicleEF	LDT1	1.68	1.45
tblVehicleEF	LDT1	2.78	2.27
tblVehicleEF	LDT1	341.15	320.55
tblVehicleEF	LDT1	69.44	63.67
tblVehicleEF	LDT1	0.16	0.12
tblVehicleEF	LDT1	0.16	0.26
tblVehicleEF	LDT1	3.5390e-003	2.7170e-003
tblVehicleEF	LDT1	3.4320e-003	2.6310e-003
tblVehicleEF	LDT1	3.2590e-003	2.5000e-003
tblVehicleEF	LDT1	3.1560e-003	2.4190e-003
tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	0.26	0.20
tblVehicleEF	LDT1	0.11	0.11
tblVehicleEF	LDT1	0.04	0.03
tblVehicleEF	LDT1	0.17	0.69
tblVehicleEF	LDT1	0.19	0.35
tblVehicleEF	LDT1	3.4330e-003	3.1520e-003
tblVehicleEF	LDT1	7.4300e-004	6.2600e-004

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tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	0.26	0.20
tblVehicleEF	LDT1	0.11	0.11
tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.17	0.69
tblVehicleEF	LDT1	0.21	0.39
tblVehicleEF	LDT1	0.02	8.1770e-003
tblVehicleEF	LDT1	0.01	0.06
tblVehicleEF	LDT1	1.82	1.58
tblVehicleEF	LDT1	2.36	1.93
tblVehicleEF	LDT1	356.02	332.71
tblVehicleEF	LDT1	69.44	63.00
tblVehicleEF	LDT1	0.14	0.10
tblVehicleEF	LDT1	0.15	0.24
tblVehicleEF	LDT1	3.5390e-003	2.7170e-003
tblVehicleEF	LDT1	3.4320e-003	2.6310e-003
tblVehicleEF	LDT1	3.2590e-003	2.5000e-003
tblVehicleEF	LDT1	3.1560e-003	2.4190e-003
tblVehicleEF	LDT1	0.20	0.20
tblVehicleEF	LDT1	0.28	0.21
tblVehicleEF	LDT1	0.15	0.15
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.16	0.64
tblVehicleEF	LDT1	0.17	0.31
tblVehicleEF	LDT1	3.5840e-003	3.2710e-003
tblVehicleEF	LDT1	7.3600e-004	6.1900e-004
tblVehicleEF	LDT1	0.20	0.20

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tblVehicleEF	LDT1	0.28	0.21
tblVehicleEF	LDT1	0.15	0.15
tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.16	0.64
tblVehicleEF	LDT1	0.18	0.34
tblVehicleEF	LDT1	0.02	7.5820e-003
tblVehicleEF	LDT1	0.01	0.07
tblVehicleEF	LDT1	1.63	1.41
tblVehicleEF	LDT1	2.87	2.35
tblVehicleEF	LDT1	335.69	316.06
tblVehicleEF	LDT1	69.44	63.82
tblVehicleEF	LDT1	0.15	0.12
tblVehicleEF	LDT1	0.16	0.26
tblVehicleEF	LDT1	3.5390e-003	2.7170e-003
tblVehicleEF	LDT1	3.4320e-003	2.6310e-003
tblVehicleEF	LDT1	3.2590e-003	2.5000e-003
tblVehicleEF	LDT1	3.1560e-003	2.4190e-003
tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	0.30	0.22
tblVehicleEF	LDT1	0.10	0.10
tblVehicleEF	LDT1	0.04	0.03
tblVehicleEF	LDT1	0.20	0.82
tblVehicleEF	LDT1	0.20	0.36
tblVehicleEF	LDT1	3.3780e-003	3.1070e-003
tblVehicleEF	LDT1	7.4500e-004	6.2800e-004
tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	0.30	0.22

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tblVehicleEF	LDT1	0.10	0.10
tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.20	0.82
tblVehicleEF	LDT1	0.21	0.40
tblVehicleEF	LDT2	7.2180e-003	4.9730e-003
tblVehicleEF	LDT2	6.3970e-003	0.07
tblVehicleEF	LDT2	0.84	1.02
tblVehicleEF	LDT2	1.35	2.65
tblVehicleEF	LDT2	381.91	343.42
tblVehicleEF	LDT2	78.07	68.73
tblVehicleEF	LDT2	0.08	0.09
tblVehicleEF	LDT2	0.11	0.28
tblVehicleEF	LDT2	2.1510e-003	1.9110e-003
tblVehicleEF	LDT2	2.3580e-003	1.8910e-003
tblVehicleEF	LDT2	1.9790e-003	1.7590e-003
tblVehicleEF	LDT2	2.1690e-003	1.7390e-003
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.10	0.12
tblVehicleEF	LDT2	0.05	0.07
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.41
tblVehicleEF	LDT2	0.09	0.31
tblVehicleEF	LDT2	3.8260e-003	3.3760e-003
tblVehicleEF	LDT2	8.0300e-004	6.7600e-004
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.10	0.12
tblVehicleEF	LDT2	0.05	0.07

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tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.06	0.41
tblVehicleEF	LDT2	0.09	0.34
tblVehicleEF	LDT2	7.6530e-003	5.2910e-003
tblVehicleEF	LDT2	5.6920e-003	0.06
tblVehicleEF	LDT2	0.92	1.12
tblVehicleEF	LDT2	1.15	2.26
tblVehicleEF	LDT2	399.04	355.31
tblVehicleEF	LDT2	78.07	67.99
tblVehicleEF	LDT2	0.07	0.08
tblVehicleEF	LDT2	0.10	0.26
tblVehicleEF	LDT2	2.1510e-003	1.9110e-003
tblVehicleEF	LDT2	2.3580e-003	1.8910e-003
tblVehicleEF	LDT2	1.9790e-003	1.7590e-003
tblVehicleEF	LDT2	2.1690e-003	1.7390e-003
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.10	0.13
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.38
tblVehicleEF	LDT2	0.08	0.28
tblVehicleEF	LDT2	3.9980e-003	3.4930e-003
tblVehicleEF	LDT2	8.0000e-004	6.6800e-004
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.10	0.13
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.03	0.03

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tblVehicleEF	LDT2	0.06	0.38
tblVehicleEF	LDT2	0.08	0.31
tblVehicleEF	LDT2	7.0750e-003	4.8730e-003
tblVehicleEF	LDT2	6.5470e-003	0.07
tblVehicleEF	LDT2	0.81	0.99
tblVehicleEF	LDT2	1.39	2.74
tblVehicleEF	LDT2	375.62	339.02
tblVehicleEF	LDT2	78.07	68.90
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.11	0.28
tblVehicleEF	LDT2	2.1510e-003	1.9110e-003
tblVehicleEF	LDT2	2.3580e-003	1.8910e-003
tblVehicleEF	LDT2	1.9790e-003	1.7590e-003
tblVehicleEF	LDT2	2.1690e-003	1.7390e-003
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.11	0.13
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.48
tblVehicleEF	LDT2	0.09	0.32
tblVehicleEF	LDT2	3.7630e-003	3.3320e-003
tblVehicleEF	LDT2	8.0400e-004	6.7700e-004
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.11	0.13
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.07	0.48

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tblVehicleEF	LDT2	0.10	0.35
tblVehicleEF	LHD1	5.5970e-003	5.6110e-003
tblVehicleEF	LHD1	0.01	5.6770e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.19
tblVehicleEF	LHD1	0.84	0.65
tblVehicleEF	LHD1	2.79	1.14
tblVehicleEF	LHD1	8.92	8.88
tblVehicleEF	LHD1	603.81	667.04
tblVehicleEF	LHD1	33.34	12.48
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.95	0.63
tblVehicleEF	LHD1	1.01	0.34
tblVehicleEF	LHD1	8.2600e-004	7.5000e-004
tblVehicleEF	LHD1	0.01	9.6680e-003
tblVehicleEF	LHD1	9.1270e-003	6.2840e-003
tblVehicleEF	LHD1	1.0140e-003	2.8500e-004
tblVehicleEF	LHD1	7.9000e-004	7.1700e-004
tblVehicleEF	LHD1	2.5160e-003	2.4170e-003
tblVehicleEF	LHD1	8.7050e-003	5.9830e-003
tblVehicleEF	LHD1	9.3300e-004	2.6200e-004
tblVehicleEF	LHD1	3.1460e-003	2.5540e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.9140e-003	1.5610e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.31	0.55

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tblVehicleEF	LHD1	0.27	0.08
tblVehicleEF	LHD1	9.0000e-005	8.6000e-005
tblVehicleEF	LHD1	5.9300e-003	6.5150e-003
tblVehicleEF	LHD1	3.8500e-004	1.2400e-004
tblVehicleEF	LHD1	3.1460e-003	2.5540e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.9140e-003	1.5610e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.31	0.55
tblVehicleEF	LHD1	0.29	0.09
tblVehicleEF	LHD1	5.5970e-003	5.6230e-003
tblVehicleEF	LHD1	0.01	5.7930e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.19
tblVehicleEF	LHD1	0.85	0.66
tblVehicleEF	LHD1	2.66	1.09
tblVehicleEF	LHD1	8.92	8.88
tblVehicleEF	LHD1	603.81	667.06
tblVehicleEF	LHD1	33.34	12.39
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.89	0.59
tblVehicleEF	LHD1	0.96	0.32
tblVehicleEF	LHD1	8.2600e-004	7.5000e-004
tblVehicleEF	LHD1	0.01	9.6680e-003
tblVehicleEF	LHD1	9.1270e-003	6.2840e-003
tblVehicleEF	LHD1	1.0140e-003	2.8500e-004

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tblVehicleEF	LHD1	7.9000e-004	7.1700e-004
tblVehicleEF	LHD1	2.5160e-003	2.4170e-003
tblVehicleEF	LHD1	8.7050e-003	5.9830e-003
tblVehicleEF	LHD1	9.3300e-004	2.6200e-004
tblVehicleEF	LHD1	4.7100e-003	3.7600e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.6900e-003	2.1600e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.30	0.53
tblVehicleEF	LHD1	0.26	0.08
tblVehicleEF	LHD1	9.0000e-005	8.6000e-005
tblVehicleEF	LHD1	5.9310e-003	6.5150e-003
tblVehicleEF	LHD1	3.8300e-004	1.2300e-004
tblVehicleEF	LHD1	4.7100e-003	3.7600e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	2.6900e-003	2.1600e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.30	0.53
tblVehicleEF	LHD1	0.28	0.08
tblVehicleEF	LHD1	5.5970e-003	5.6090e-003
tblVehicleEF	LHD1	0.01	5.6460e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.19
tblVehicleEF	LHD1	0.83	0.64
tblVehicleEF	LHD1	2.81	1.15

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tblVehicleEF	LHD1	8.92	8.88
tblVehicleEF	LHD1	603.81	667.03
tblVehicleEF	LHD1	33.34	12.50
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.94	0.62
tblVehicleEF	LHD1	1.01	0.34
tblVehicleEF	LHD1	8.2600e-004	7.5000e-004
tblVehicleEF	LHD1	0.01	9.6680e-003
tblVehicleEF	LHD1	9.1270e-003	6.2840e-003
tblVehicleEF	LHD1	1.0140e-003	2.8500e-004
tblVehicleEF	LHD1	7.9000e-004	7.1700e-004
tblVehicleEF	LHD1	2.5160e-003	2.4170e-003
tblVehicleEF	LHD1	8.7050e-003	5.9830e-003
tblVehicleEF	LHD1	9.3300e-004	2.6200e-004
tblVehicleEF	LHD1	3.3080e-003	2.6900e-003
tblVehicleEF	LHD1	0.12	0.09
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.8850e-003	1.5400e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.33	0.60
tblVehicleEF	LHD1	0.27	0.08
tblVehicleEF	LHD1	9.0000e-005	8.6000e-005
tblVehicleEF	LHD1	5.9300e-003	6.5150e-003
tblVehicleEF	LHD1	3.8600e-004	1.2400e-004
tblVehicleEF	LHD1	3.3080e-003	2.6900e-003
tblVehicleEF	LHD1	0.12	0.09
tblVehicleEF	LHD1	0.02	0.03

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tblVehicleEF	LHD1	1.8850e-003	1.5400e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.33	0.60
tblVehicleEF	LHD1	0.29	0.09
tblVehicleEF	LHD2	4.0020e-003	3.9440e-003
tblVehicleEF	LHD2	4.2980e-003	3.9460e-003
tblVehicleEF	LHD2	8.5190e-003	0.01
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.34	0.44
tblVehicleEF	LHD2	1.37	0.77
tblVehicleEF	LHD2	13.57	13.40
tblVehicleEF	LHD2	617.83	668.37
tblVehicleEF	LHD2	27.88	9.65
tblVehicleEF	LHD2	0.09	0.08
tblVehicleEF	LHD2	0.65	0.81
tblVehicleEF	LHD2	0.55	0.23
tblVehicleEF	LHD2	1.1620e-003	1.2440e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8510e-003	9.8680e-003
tblVehicleEF	LHD2	4.6900e-004	1.6300e-004
tblVehicleEF	LHD2	1.1110e-003	1.1900e-003
tblVehicleEF	LHD2	2.6540e-003	2.6300e-003
tblVehicleEF	LHD2	8.4540e-003	9.4240e-003
tblVehicleEF	LHD2	4.3100e-004	1.5000e-004
tblVehicleEF	LHD2	1.1380e-003	1.5770e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02

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tblVehicleEF	LHD2	7.4500e-004	9.7800e-004
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.08	0.35
tblVehicleEF	LHD2	0.11	0.06
tblVehicleEF	LHD2	1.3300e-004	1.2900e-004
tblVehicleEF	LHD2	6.0210e-003	6.4710e-003
tblVehicleEF	LHD2	3.0400e-004	9.5000e-005
tblVehicleEF	LHD2	1.1380e-003	1.5770e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.4500e-004	9.7800e-004
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.08	0.35
tblVehicleEF	LHD2	0.13	0.06
tblVehicleEF	LHD2	4.0020e-003	3.9530e-003
tblVehicleEF	LHD2	4.3570e-003	3.9910e-003
tblVehicleEF	LHD2	8.2260e-003	0.01
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.35	0.44
tblVehicleEF	LHD2	1.31	0.74
tblVehicleEF	LHD2	13.57	13.40
tblVehicleEF	LHD2	617.83	668.38
tblVehicleEF	LHD2	27.88	9.59
tblVehicleEF	LHD2	0.09	0.08
tblVehicleEF	LHD2	0.61	0.76
tblVehicleEF	LHD2	0.53	0.22
tblVehicleEF	LHD2	1.1620e-003	1.2440e-003

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tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8510e-003	9.8680e-003
tblVehicleEF	LHD2	4.6900e-004	1.6300e-004
tblVehicleEF	LHD2	1.1110e-003	1.1900e-003
tblVehicleEF	LHD2	2.6540e-003	2.6300e-003
tblVehicleEF	LHD2	8.4540e-003	9.4240e-003
tblVehicleEF	LHD2	4.3100e-004	1.5000e-004
tblVehicleEF	LHD2	1.6960e-003	2.3210e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.0400e-003	1.3550e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.08	0.34
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	1.3300e-004	1.2900e-004
tblVehicleEF	LHD2	6.0210e-003	6.4710e-003
tblVehicleEF	LHD2	3.0300e-004	9.5000e-005
tblVehicleEF	LHD2	1.6960e-003	2.3210e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.0400e-003	1.3550e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.08	0.34
tblVehicleEF	LHD2	0.12	0.06
tblVehicleEF	LHD2	4.0020e-003	3.9420e-003
tblVehicleEF	LHD2	4.2820e-003	3.9330e-003
tblVehicleEF	LHD2	8.5780e-003	0.01

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tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.34	0.43
tblVehicleEF	LHD2	1.38	0.78
tblVehicleEF	LHD2	13.57	13.40
tblVehicleEF	LHD2	617.83	668.37
tblVehicleEF	LHD2	27.88	9.66
tblVehicleEF	LHD2	0.09	0.08
tblVehicleEF	LHD2	0.64	0.80
tblVehicleEF	LHD2	0.56	0.24
tblVehicleEF	LHD2	1.1620e-003	1.2440e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8510e-003	9.8680e-003
tblVehicleEF	LHD2	4.6900e-004	1.6300e-004
tblVehicleEF	LHD2	1.1110e-003	1.1900e-003
tblVehicleEF	LHD2	2.6540e-003	2.6300e-003
tblVehicleEF	LHD2	8.4540e-003	9.4240e-003
tblVehicleEF	LHD2	4.3100e-004	1.5000e-004
tblVehicleEF	LHD2	1.1610e-003	1.6340e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.2300e-004	9.5000e-004
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.09	0.39
tblVehicleEF	LHD2	0.12	0.06
tblVehicleEF	LHD2	1.3300e-004	1.2900e-004
tblVehicleEF	LHD2	6.0210e-003	6.4710e-003
tblVehicleEF	LHD2	3.0400e-004	9.6000e-005

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tblVehicleEF	LHD2	1.1610e-003	1.6340e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.2300e-004	9.5000e-004
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.09	0.39
tblVehicleEF	LHD2	0.13	0.06
tblVehicleEF	MCY	0.54	0.38
tblVehicleEF	MCY	0.15	0.23
tblVehicleEF	MCY	18.94	19.11
tblVehicleEF	MCY	9.66	8.52
tblVehicleEF	MCY	188.92	223.68
tblVehicleEF	MCY	44.52	59.56
tblVehicleEF	MCY	1.13	1.13
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	2.4360e-003	2.4430e-003
tblVehicleEF	MCY	3.8630e-003	3.2940e-003
tblVehicleEF	MCY	2.2770e-003	2.2830e-003
tblVehicleEF	MCY	3.6360e-003	3.1000e-003
tblVehicleEF	MCY	1.06	1.08
tblVehicleEF	MCY	0.63	0.65
tblVehicleEF	MCY	0.65	0.66
tblVehicleEF	MCY	2.60	2.61
tblVehicleEF	MCY	0.60	1.98
tblVehicleEF	MCY	2.05	1.81
tblVehicleEF	MCY	2.2780e-003	2.2130e-003
tblVehicleEF	MCY	6.6300e-004	5.8900e-004

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tblVehicleEF	MCY	1.06	1.08
tblVehicleEF	MCY	0.63	0.65
tblVehicleEF	MCY	0.65	0.66
tblVehicleEF	MCY	3.23	3.25
tblVehicleEF	MCY	0.60	1.98
tblVehicleEF	MCY	2.23	1.97
tblVehicleEF	MCY	0.53	0.37
tblVehicleEF	MCY	0.13	0.21
tblVehicleEF	MCY	18.24	18.37
tblVehicleEF	MCY	8.82	7.76
tblVehicleEF	MCY	188.92	222.28
tblVehicleEF	MCY	44.52	57.67
tblVehicleEF	MCY	0.99	0.99
tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	2.4360e-003	2.4430e-003
tblVehicleEF	MCY	3.8630e-003	3.2940e-003
tblVehicleEF	MCY	2.2770e-003	2.2830e-003
tblVehicleEF	MCY	3.6360e-003	3.1000e-003
tblVehicleEF	MCY	1.73	1.72
tblVehicleEF	MCY	0.70	0.71
tblVehicleEF	MCY	1.07	1.07
tblVehicleEF	MCY	2.54	2.55
tblVehicleEF	MCY	0.56	1.86
tblVehicleEF	MCY	1.83	1.61
tblVehicleEF	MCY	2.2650e-003	2.2000e-003
tblVehicleEF	MCY	6.4300e-004	5.7100e-004
tblVehicleEF	MCY	1.73	1.72

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tblVehicleEF	MCY	0.70	0.71
tblVehicleEF	MCY	1.07	1.07
tblVehicleEF	MCY	3.16	3.17
tblVehicleEF	MCY	0.56	1.86
tblVehicleEF	MCY	1.99	1.75
tblVehicleEF	MCY	0.54	0.38
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	19.04	19.25
tblVehicleEF	MCY	9.80	8.66
tblVehicleEF	MCY	188.92	223.96
tblVehicleEF	MCY	44.52	59.94
tblVehicleEF	MCY	1.11	1.11
tblVehicleEF	MCY	0.31	0.27
tblVehicleEF	MCY	2.4360e-003	2.4430e-003
tblVehicleEF	MCY	3.8630e-003	3.2940e-003
tblVehicleEF	MCY	2.2770e-003	2.2830e-003
tblVehicleEF	MCY	3.6360e-003	3.1000e-003
tblVehicleEF	MCY	1.16	1.18
tblVehicleEF	MCY	0.82	0.84
tblVehicleEF	MCY	0.62	0.64
tblVehicleEF	MCY	2.61	2.63
tblVehicleEF	MCY	0.69	2.28
tblVehicleEF	MCY	2.09	1.86
tblVehicleEF	MCY	2.2800e-003	2.2160e-003
tblVehicleEF	MCY	6.6700e-004	5.9300e-004
tblVehicleEF	MCY	1.16	1.18
tblVehicleEF	MCY	0.82	0.84

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tblVehicleEF	MCY	0.62	0.64
tblVehicleEF	MCY	3.25	3.26
tblVehicleEF	MCY	0.69	2.28
tblVehicleEF	MCY	2.28	2.02
tblVehicleEF	MDV	0.01	6.5350e-003
tblVehicleEF	MDV	0.01	0.08
tblVehicleEF	MDV	1.33	1.22
tblVehicleEF	MDV	2.48	3.10
tblVehicleEF	MDV	512.22	421.49
tblVehicleEF	MDV	103.14	83.59
tblVehicleEF	MDV	0.15	0.11
tblVehicleEF	MDV	0.22	0.34
tblVehicleEF	MDV	2.3560e-003	2.0880e-003
tblVehicleEF	MDV	2.5140e-003	2.0610e-003
tblVehicleEF	MDV	2.1720e-003	1.9250e-003
tblVehicleEF	MDV	2.3120e-003	1.8950e-003
tblVehicleEF	MDV	0.07	0.08
tblVehicleEF	MDV	0.15	0.14
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.09	0.43
tblVehicleEF	MDV	0.19	0.40
tblVehicleEF	MDV	5.1310e-003	4.1410e-003
tblVehicleEF	MDV	1.0750e-003	8.2200e-004
tblVehicleEF	MDV	0.07	0.08
tblVehicleEF	MDV	0.15	0.14
tblVehicleEF	MDV	0.07	0.09

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tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.09	0.43
tblVehicleEF	MDV	0.21	0.44
tblVehicleEF	MDV	0.01	6.9310e-003
tblVehicleEF	MDV	0.01	0.07
tblVehicleEF	MDV	1.45	1.32
tblVehicleEF	MDV	2.12	2.63
tblVehicleEF	MDV	534.67	433.96
tblVehicleEF	MDV	103.14	82.70
tblVehicleEF	MDV	0.13	0.10
tblVehicleEF	MDV	0.20	0.32
tblVehicleEF	MDV	2.3560e-003	2.0880e-003
tblVehicleEF	MDV	2.5140e-003	2.0610e-003
tblVehicleEF	MDV	2.1720e-003	1.9250e-003
tblVehicleEF	MDV	2.3120e-003	1.8950e-003
tblVehicleEF	MDV	0.10	0.13
tblVehicleEF	MDV	0.16	0.14
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.08	0.40
tblVehicleEF	MDV	0.17	0.36
tblVehicleEF	MDV	5.3570e-003	4.2630e-003
tblVehicleEF	MDV	1.0680e-003	8.1300e-004
tblVehicleEF	MDV	0.10	0.13
tblVehicleEF	MDV	0.16	0.15
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.05	0.04

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tblVehicleEF	MDV	0.08	0.40
tblVehicleEF	MDV	0.18	0.39
tblVehicleEF	MDV	0.01	6.4070e-003
tblVehicleEF	MDV	0.01	0.08
tblVehicleEF	MDV	1.29	1.18
tblVehicleEF	MDV	2.56	3.21
tblVehicleEF	MDV	503.99	416.89
tblVehicleEF	MDV	103.14	83.79
tblVehicleEF	MDV	0.14	0.11
tblVehicleEF	MDV	0.22	0.35
tblVehicleEF	MDV	2.3560e-003	2.0880e-003
tblVehicleEF	MDV	2.5140e-003	2.0610e-003
tblVehicleEF	MDV	2.1720e-003	1.9250e-003
tblVehicleEF	MDV	2.3120e-003	1.8950e-003
tblVehicleEF	MDV	0.06	0.08
tblVehicleEF	MDV	0.16	0.15
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.10	0.50
tblVehicleEF	MDV	0.19	0.41
tblVehicleEF	MDV	5.0480e-003	4.0950e-003
tblVehicleEF	MDV	1.0760e-003	8.2400e-004
tblVehicleEF	MDV	0.06	0.08
tblVehicleEF	MDV	0.16	0.15
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.10	0.50

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tblVehicleEF	MDV	0.21	0.45
tblVehicleEF	MH	0.03	3.1210e-003
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	2.24	0.27
tblVehicleEF	MH	5.78	0.00
tblVehicleEF	MH	1,130.03	965.33
tblVehicleEF	MH	60.43	0.00
tblVehicleEF	MH	1.08	3.43
tblVehicleEF	MH	0.80	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.02	0.07
tblVehicleEF	MH	1.1280e-003	0.00
tblVehicleEF	MH	3.2020e-003	4.0000e-003
tblVehicleEF	MH	0.02	0.07
tblVehicleEF	MH	1.0370e-003	0.00
tblVehicleEF	MH	0.95	0.00
tblVehicleEF	MH	0.07	0.00
tblVehicleEF	MH	0.41	0.00
tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.33	0.00
tblVehicleEF	MH	0.01	9.1260e-003
tblVehicleEF	MH	7.0500e-004	0.00
tblVehicleEF	MH	0.95	0.00
tblVehicleEF	MH	0.07	0.00
tblVehicleEF	MH	0.41	0.00
tblVehicleEF	MH	0.12	0.08

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tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.36	0.00
tblVehicleEF	MH	0.03	3.1210e-003
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	2.30	0.27
tblVehicleEF	MH	5.44	0.00
tblVehicleEF	MH	1,130.03	965.33
tblVehicleEF	MH	60.43	0.00
tblVehicleEF	MH	0.99	3.24
tblVehicleEF	MH	0.76	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.02	0.07
tblVehicleEF	MH	1.1280e-003	0.00
tblVehicleEF	MH	3.2020e-003	4.0000e-003
tblVehicleEF	MH	0.02	0.07
tblVehicleEF	MH	1.0370e-003	0.00
tblVehicleEF	MH	1.41	0.00
tblVehicleEF	MH	0.07	0.00
tblVehicleEF	MH	0.58	0.00
tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.31	0.00
tblVehicleEF	MH	0.01	9.1260e-003
tblVehicleEF	MH	6.9900e-004	0.00
tblVehicleEF	MH	1.41	0.00
tblVehicleEF	MH	0.07	0.00
tblVehicleEF	MH	0.58	0.00

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tblVehicleEF	MH	0.12	0.08
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.34	0.00
tblVehicleEF	MH	0.03	3.1210e-003
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	2.22	0.27
tblVehicleEF	MH	5.83	0.00
tblVehicleEF	MH	1,130.03	965.33
tblVehicleEF	MH	60.43	0.00
tblVehicleEF	MH	1.06	3.37
tblVehicleEF	MH	0.80	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.02	0.07
tblVehicleEF	MH	1.1280e-003	0.00
tblVehicleEF	MH	3.2020e-003	4.0000e-003
tblVehicleEF	MH	0.02	0.07
tblVehicleEF	MH	1.0370e-003	0.00
tblVehicleEF	MH	1.08	0.00
tblVehicleEF	MH	0.08	0.00
tblVehicleEF	MH	0.42	0.00
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.33	0.00
tblVehicleEF	MH	0.01	9.1260e-003
tblVehicleEF	MH	7.0600e-004	0.00
tblVehicleEF	MH	1.08	0.00
tblVehicleEF	MH	0.08	0.00

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tblVehicleEF	MH	0.42	0.00
tblVehicleEF	MH	0.12	0.08
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.36	0.00
tblVehicleEF	MHD	0.02	4.4240e-003
tblVehicleEF	MHD	4.8560e-003	4.6020e-003
tblVehicleEF	MHD	0.05	0.01
tblVehicleEF	MHD	0.37	0.39
tblVehicleEF	MHD	0.37	0.47
tblVehicleEF	MHD	6.14	1.44
tblVehicleEF	MHD	132.92	67.32
tblVehicleEF	MHD	1,150.98	1,070.87
tblVehicleEF	MHD	63.58	12.17
tblVehicleEF	MHD	0.49	0.47
tblVehicleEF	MHD	1.14	1.63
tblVehicleEF	MHD	9.96	1.29
tblVehicleEF	MHD	2.4800e-004	1.0730e-003
tblVehicleEF	MHD	5.1090e-003	0.03
tblVehicleEF	MHD	8.4300e-004	1.3800e-004
tblVehicleEF	MHD	2.3800e-004	1.0270e-003
tblVehicleEF	MHD	4.8830e-003	0.03
tblVehicleEF	MHD	7.7600e-004	1.2700e-004
tblVehicleEF	MHD	1.1350e-003	6.6800e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	7.4200e-004	4.3000e-004
tblVehicleEF	MHD	0.05	0.06

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tblVehicleEF	MHD	0.02	0.14
tblVehicleEF	MHD	0.37	0.07
tblVehicleEF	MHD	1.2810e-003	6.4000e-004
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.4300e-004	1.2000e-004
tblVehicleEF	MHD	1.1350e-003	6.6800e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	7.4200e-004	4.3000e-004
tblVehicleEF	MHD	0.05	0.07
tblVehicleEF	MHD	0.02	0.14
tblVehicleEF	MHD	0.41	0.07
tblVehicleEF	MHD	0.02	4.1930e-003
tblVehicleEF	MHD	4.9280e-003	4.6540e-003
tblVehicleEF	MHD	0.05	0.01
tblVehicleEF	MHD	0.27	0.32
tblVehicleEF	MHD	0.38	0.48
tblVehicleEF	MHD	5.83	1.36
tblVehicleEF	MHD	140.78	68.14
tblVehicleEF	MHD	1,150.98	1,070.88
tblVehicleEF	MHD	63.58	12.05
tblVehicleEF	MHD	0.51	0.48
tblVehicleEF	MHD	1.08	1.54
tblVehicleEF	MHD	9.92	1.28
tblVehicleEF	MHD	2.0900e-004	9.0700e-004
tblVehicleEF	MHD	5.1090e-003	0.03
tblVehicleEF	MHD	8.4300e-004	1.3800e-004

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tblVehicleEF	MHD	2.0000e-004	8.6800e-004
tblVehicleEF	MHD	4.8830e-003	0.03
tblVehicleEF	MHD	7.7600e-004	1.2700e-004
tblVehicleEF	MHD	1.7000e-003	9.9300e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	1.0480e-003	6.0400e-004
tblVehicleEF	MHD	0.05	0.06
tblVehicleEF	MHD	0.02	0.14
tblVehicleEF	MHD	0.36	0.06
tblVehicleEF	MHD	1.3550e-003	6.4800e-004
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.3800e-004	1.1900e-004
tblVehicleEF	MHD	1.7000e-003	9.9300e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	1.0480e-003	6.0400e-004
tblVehicleEF	MHD	0.06	0.07
tblVehicleEF	MHD	0.02	0.14
tblVehicleEF	MHD	0.39	0.07
tblVehicleEF	MHD	0.02	4.7550e-003
tblVehicleEF	MHD	4.8360e-003	4.5850e-003
tblVehicleEF	MHD	0.05	0.01
tblVehicleEF	MHD	0.52	0.49
tblVehicleEF	MHD	0.37	0.47
tblVehicleEF	MHD	6.20	1.45
tblVehicleEF	MHD	122.05	66.18

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tblVehicleEF	MHD	1,150.98	1,070.87
tblVehicleEF	MHD	63.58	12.19
tblVehicleEF	MHD	0.47	0.47
tblVehicleEF	MHD	1.12	1.60
tblVehicleEF	MHD	9.97	1.29
tblVehicleEF	MHD	3.0200e-004	1.3020e-003
tblVehicleEF	MHD	5.1090e-003	0.03
tblVehicleEF	MHD	8.4300e-004	1.3800e-004
tblVehicleEF	MHD	2.8900e-004	1.2460e-003
tblVehicleEF	MHD	4.8830e-003	0.03
tblVehicleEF	MHD	7.7600e-004	1.2700e-004
tblVehicleEF	MHD	1.1690e-003	6.9100e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	7.2400e-004	4.2100e-004
tblVehicleEF	MHD	0.05	0.06
tblVehicleEF	MHD	0.02	0.16
tblVehicleEF	MHD	0.38	0.07
tblVehicleEF	MHD	1.1790e-003	6.2900e-004
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.4400e-004	1.2100e-004
tblVehicleEF	MHD	1.1690e-003	6.9100e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	7.2400e-004	4.2100e-004
tblVehicleEF	MHD	0.05	0.07
tblVehicleEF	MHD	0.02	0.16

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tblVehicleEF	MHD	0.41	0.07
tblVehicleEF	OBUS	0.01	8.4750e-003
tblVehicleEF	OBUS	7.7220e-003	6.9630e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.28	0.60
tblVehicleEF	OBUS	0.53	0.78
tblVehicleEF	OBUS	5.41	2.39
tblVehicleEF	OBUS	112.13	94.21
tblVehicleEF	OBUS	1,260.49	1,391.50
tblVehicleEF	OBUS	67.92	19.24
tblVehicleEF	OBUS	0.51	0.46
tblVehicleEF	OBUS	1.55	1.57
tblVehicleEF	OBUS	2.60	0.75
tblVehicleEF	OBUS	1.1400e-004	7.8900e-004
tblVehicleEF	OBUS	7.4300e-003	0.02
tblVehicleEF	OBUS	8.0700e-004	1.9700e-004
tblVehicleEF	OBUS	1.0900e-004	7.5500e-004
tblVehicleEF	OBUS	7.0930e-003	0.02
tblVehicleEF	OBUS	7.4200e-004	1.8100e-004
tblVehicleEF	OBUS	1.4340e-003	1.8390e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	7.6800e-004	9.4100e-004
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	0.04	0.26
tblVehicleEF	OBUS	0.34	0.11
tblVehicleEF	OBUS	1.0820e-003	8.9600e-004

San Francisco Avenue (Currently Approved Operations) - Los Angeles-South Coast County, Winter

tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.7400e-004	1.9000e-004
tblVehicleEF	OBUS	1.4340e-003	1.8390e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	7.6800e-004	9.4100e-004
tblVehicleEF	OBUS	0.08	0.08
tblVehicleEF	OBUS	0.04	0.26
tblVehicleEF	OBUS	0.37	0.13
tblVehicleEF	OBUS	0.01	8.5340e-003
tblVehicleEF	OBUS	7.8490e-003	7.0850e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.27	0.58
tblVehicleEF	OBUS	0.54	0.80
tblVehicleEF	OBUS	5.11	2.26
tblVehicleEF	OBUS	117.81	94.08
tblVehicleEF	OBUS	1,260.49	1,391.52
tblVehicleEF	OBUS	67.92	19.02
tblVehicleEF	OBUS	0.53	0.45
tblVehicleEF	OBUS	1.46	1.48
tblVehicleEF	OBUS	2.57	0.74
tblVehicleEF	OBUS	9.6000e-005	6.7100e-004
tblVehicleEF	OBUS	7.4300e-003	0.02
tblVehicleEF	OBUS	8.0700e-004	1.9700e-004
tblVehicleEF	OBUS	9.2000e-005	6.4200e-004
tblVehicleEF	OBUS	7.0930e-003	0.02
tblVehicleEF	OBUS	7.4200e-004	1.8100e-004

San Francisco Avenue (Currently Approved Operations) - Los Angeles-South Coast County, Winter

tblVehicleEF	OBUS	2.1010e-003	2.6500e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	1.0830e-003	1.3070e-003
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	0.04	0.26
tblVehicleEF	OBUS	0.32	0.11
tblVehicleEF	OBUS	1.1360e-003	8.9500e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.6900e-004	1.8800e-004
tblVehicleEF	OBUS	2.1010e-003	2.6500e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	1.0830e-003	1.3070e-003
tblVehicleEF	OBUS	0.08	0.08
tblVehicleEF	OBUS	0.04	0.26
tblVehicleEF	OBUS	0.35	0.12
tblVehicleEF	OBUS	0.01	8.4130e-003
tblVehicleEF	OBUS	7.6880e-003	6.9290e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.30	0.61
tblVehicleEF	OBUS	0.53	0.78
tblVehicleEF	OBUS	5.47	2.42
tblVehicleEF	OBUS	104.30	94.40
tblVehicleEF	OBUS	1,260.49	1,391.49
tblVehicleEF	OBUS	67.92	19.29
tblVehicleEF	OBUS	0.49	0.47

San Francisco Avenue (Currently Approved Operations) - Los Angeles-South Coast County, Winter

tblVehicleEF	OBUS	1.52	1.55
tblVehicleEF	OBUS	2.61	0.76
tblVehicleEF	OBUS	1.3900e-004	9.5300e-004
tblVehicleEF	OBUS	7.4300e-003	0.02
tblVehicleEF	OBUS	8.0700e-004	1.9700e-004
tblVehicleEF	OBUS	1.3300e-004	9.1200e-004
tblVehicleEF	OBUS	7.0930e-003	0.02
tblVehicleEF	OBUS	7.4200e-004	1.8100e-004
tblVehicleEF	OBUS	1.4690e-003	1.9220e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	7.4700e-004	9.2400e-004
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	0.04	0.28
tblVehicleEF	OBUS	0.34	0.12
tblVehicleEF	OBUS	1.0070e-003	8.9800e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.7500e-004	1.9100e-004
tblVehicleEF	OBUS	1.4690e-003	1.9220e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.06	0.07
tblVehicleEF	OBUS	7.4700e-004	9.2400e-004
tblVehicleEF	OBUS	0.08	0.08
tblVehicleEF	OBUS	0.04	0.28
tblVehicleEF	OBUS	0.37	0.13
tblVehicleEF	SBUS	0.84	0.07
tblVehicleEF	SBUS	0.01	7.0600e-003

San Francisco Avenue (Currently Approved Operations) - Los Angeles-South Coast County, Winter

tblVehicleEF	SBUS	0.06	6.7770e-003
tblVehicleEF	SBUS	8.15	2.99
tblVehicleEF	SBUS	0.72	0.60
tblVehicleEF	SBUS	7.31	0.93
tblVehicleEF	SBUS	1,121.00	354.63
tblVehicleEF	SBUS	1,079.30	1,100.97
tblVehicleEF	SBUS	55.06	5.73
tblVehicleEF	SBUS	9.20	3.14
tblVehicleEF	SBUS	4.17	4.65
tblVehicleEF	SBUS	12.12	0.90
tblVehicleEF	SBUS	9.3410e-003	3.9540e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	8.1500e-004	5.5000e-005
tblVehicleEF	SBUS	8.9370e-003	3.7830e-003
tblVehicleEF	SBUS	2.6670e-003	2.6630e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	7.5000e-004	5.1000e-005
tblVehicleEF	SBUS	3.3650e-003	9.8900e-004
tblVehicleEF	SBUS	0.03	8.5880e-003
tblVehicleEF	SBUS	0.97	0.34
tblVehicleEF	SBUS	1.7650e-003	5.2700e-004
tblVehicleEF	SBUS	0.10	0.09
tblVehicleEF	SBUS	0.01	0.06
tblVehicleEF	SBUS	0.38	0.04
tblVehicleEF	SBUS	0.01	3.3860e-003
tblVehicleEF	SBUS	0.01	0.01

San Francisco Avenue (Currently Approved Operations) - Los Angeles-South Coast County, Winter

tblVehicleEF	SBUS	6.7700e-004	5.7000e-005
tblVehicleEF	SBUS	3.3650e-003	9.8900e-004
tblVehicleEF	SBUS	0.03	8.5880e-003
tblVehicleEF	SBUS	1.40	0.49
tblVehicleEF	SBUS	1.7650e-003	5.2700e-004
tblVehicleEF	SBUS	0.13	0.11
tblVehicleEF	SBUS	0.01	0.06
tblVehicleEF	SBUS	0.42	0.04
tblVehicleEF	SBUS	0.84	0.07
tblVehicleEF	SBUS	0.01	7.1400e-003
tblVehicleEF	SBUS	0.06	6.0470e-003
tblVehicleEF	SBUS	8.04	2.95
tblVehicleEF	SBUS	0.73	0.61
tblVehicleEF	SBUS	5.94	0.76
tblVehicleEF	SBUS	1,171.46	362.29
tblVehicleEF	SBUS	1,079.30	1,100.99
tblVehicleEF	SBUS	55.06	5.44
tblVehicleEF	SBUS	9.50	3.21
tblVehicleEF	SBUS	3.93	4.39
tblVehicleEF	SBUS	12.09	0.90
tblVehicleEF	SBUS	7.8750e-003	3.3400e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	8.1500e-004	5.5000e-005
tblVehicleEF	SBUS	7.5340e-003	3.1960e-003
tblVehicleEF	SBUS	2.6670e-003	2.6630e-003
tblVehicleEF	SBUS	0.02	0.03

San Francisco Avenue (Currently Approved Operations) - Los Angeles-South Coast County, Winter

tblVehicleEF	SBUS	7.5000e-004	5.1000e-005
tblVehicleEF	SBUS	4.9570e-003	1.4290e-003
tblVehicleEF	SBUS	0.03	8.7250e-003
tblVehicleEF	SBUS	0.97	0.34
tblVehicleEF	SBUS	2.5080e-003	7.3100e-004
tblVehicleEF	SBUS	0.10	0.09
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.34	0.03
tblVehicleEF	SBUS	0.01	3.4580e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.5400e-004	5.4000e-005
tblVehicleEF	SBUS	4.9570e-003	1.4290e-003
tblVehicleEF	SBUS	0.03	8.7250e-003
tblVehicleEF	SBUS	1.40	0.49
tblVehicleEF	SBUS	2.5080e-003	7.3100e-004
tblVehicleEF	SBUS	0.13	0.11
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.37	0.04
tblVehicleEF	SBUS	0.84	0.07
tblVehicleEF	SBUS	0.01	7.0350e-003
tblVehicleEF	SBUS	0.07	6.9450e-003
tblVehicleEF	SBUS	8.31	3.04
tblVehicleEF	SBUS	0.72	0.60
tblVehicleEF	SBUS	7.56	0.96
tblVehicleEF	SBUS	1,051.30	344.05
tblVehicleEF	SBUS	1,079.30	1,100.97
tblVehicleEF	SBUS	55.06	5.78

San Francisco Avenue (Currently Approved Operations) - Los Angeles-South Coast County, Winter

tblVehicleEF	SBUS	8.80	3.05
tblVehicleEF	SBUS	4.10	4.57
tblVehicleEF	SBUS	12.13	0.90
tblVehicleEF	SBUS	0.01	4.8000e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	8.1500e-004	5.5000e-005
tblVehicleEF	SBUS	0.01	4.5930e-003
tblVehicleEF	SBUS	2.6670e-003	2.6630e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	7.5000e-004	5.1000e-005
tblVehicleEF	SBUS	3.4320e-003	1.0030e-003
tblVehicleEF	SBUS	0.03	9.0230e-003
tblVehicleEF	SBUS	0.98	0.34
tblVehicleEF	SBUS	1.6940e-003	5.0600e-004
tblVehicleEF	SBUS	0.10	0.09
tblVehicleEF	SBUS	0.02	0.07
tblVehicleEF	SBUS	0.39	0.04
tblVehicleEF	SBUS	0.01	3.2860e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.8100e-004	5.7000e-005
tblVehicleEF	SBUS	3.4320e-003	1.0030e-003
tblVehicleEF	SBUS	0.03	9.0230e-003
tblVehicleEF	SBUS	1.41	0.49
tblVehicleEF	SBUS	1.6940e-003	5.0600e-004
tblVehicleEF	SBUS	0.13	0.11
tblVehicleEF	SBUS	0.02	0.07

San Francisco Avenue (Currently Approved Operations) - Los Angeles-South Coast County, Winter

tblVehicleEF	SBUS	0.43	0.04
tblVehicleEF	UBUS	2.61	5.85
tblVehicleEF	UBUS	0.05	0.01
tblVehicleEF	UBUS	11.22	45.42
tblVehicleEF	UBUS	8.87	0.71
tblVehicleEF	UBUS	1,968.89	1,991.58
tblVehicleEF	UBUS	96.56	8.61
tblVehicleEF	UBUS	9.98	0.47
tblVehicleEF	UBUS	15.36	0.08
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.13	3.1840e-003
tblVehicleEF	UBUS	1.0870e-003	4.6000e-005
tblVehicleEF	UBUS	0.26	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9690e-003
tblVehicleEF	UBUS	0.13	3.0430e-003
tblVehicleEF	UBUS	9.9900e-004	4.3000e-005
tblVehicleEF	UBUS	4.1440e-003	6.6500e-004
tblVehicleEF	UBUS	0.07	8.4730e-003
tblVehicleEF	UBUS	2.3870e-003	4.9100e-004
tblVehicleEF	UBUS	0.85	0.09
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.68	0.05
tblVehicleEF	UBUS	9.8600e-003	1.4410e-003
tblVehicleEF	UBUS	1.1250e-003	8.5000e-005
tblVehicleEF	UBUS	4.1440e-003	6.6500e-004
tblVehicleEF	UBUS	0.07	8.4730e-003

San Francisco Avenue (Currently Approved Operations) - Los Angeles-South Coast County, Winter

tblVehicleEF	UBUS	2.3870e-003	4.9100e-004
tblVehicleEF	UBUS	3.56	5.97
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.74	0.05
tblVehicleEF	UBUS	2.61	5.85
tblVehicleEF	UBUS	0.05	0.01
tblVehicleEF	UBUS	11.27	45.42
tblVehicleEF	UBUS	7.69	0.63
tblVehicleEF	UBUS	1,968.89	1,991.58
tblVehicleEF	UBUS	96.56	8.46
tblVehicleEF	UBUS	9.41	0.47
tblVehicleEF	UBUS	15.31	0.08
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.13	3.1840e-003
tblVehicleEF	UBUS	1.0870e-003	4.6000e-005
tblVehicleEF	UBUS	0.26	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9690e-003
tblVehicleEF	UBUS	0.13	3.0430e-003
tblVehicleEF	UBUS	9.9900e-004	4.3000e-005
tblVehicleEF	UBUS	5.9080e-003	9.6200e-004
tblVehicleEF	UBUS	0.07	8.7330e-003
tblVehicleEF	UBUS	3.2830e-003	6.7600e-004
tblVehicleEF	UBUS	0.86	0.09
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.62	0.04
tblVehicleEF	UBUS	9.8610e-003	1.4410e-003

San Francisco Avenue (Currently Approved Operations) - Los Angeles-South Coast County, Winter

tblVehicleEF	UBUS	1.1050e-003	8.4000e-005
tblVehicleEF	UBUS	5.9080e-003	9.6200e-004
tblVehicleEF	UBUS	0.07	8.7330e-003
tblVehicleEF	UBUS	3.2830e-003	6.7600e-004
tblVehicleEF	UBUS	3.57	5.97
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.68	0.05
tblVehicleEF	UBUS	2.61	5.85
tblVehicleEF	UBUS	0.05	0.01
tblVehicleEF	UBUS	11.21	45.42
tblVehicleEF	UBUS	9.08	0.73
tblVehicleEF	UBUS	1,968.89	1,991.58
tblVehicleEF	UBUS	96.56	8.64
tblVehicleEF	UBUS	9.79	0.47
tblVehicleEF	UBUS	15.38	0.09
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.13	3.1840e-003
tblVehicleEF	UBUS	1.0870e-003	4.6000e-005
tblVehicleEF	UBUS	0.26	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9690e-003
tblVehicleEF	UBUS	0.13	3.0430e-003
tblVehicleEF	UBUS	9.9900e-004	4.3000e-005
tblVehicleEF	UBUS	4.7000e-003	6.4800e-004
tblVehicleEF	UBUS	0.08	9.0360e-003
tblVehicleEF	UBUS	2.5010e-003	4.6600e-004
tblVehicleEF	UBUS	0.85	0.09

San Francisco Avenue (Currently Approved Operations) - Los Angeles-South Coast County, Winter

tblVehicleEF	UBUS	0.03	0.07
tblVehicleEF	UBUS	0.69	0.05
tblVehicleEF	UBUS	9.8590e-003	1.4410e-003
tblVehicleEF	UBUS	1.1290e-003	8.5000e-005
tblVehicleEF	UBUS	4.7000e-003	6.4800e-004
tblVehicleEF	UBUS	0.08	9.0360e-003
tblVehicleEF	UBUS	2.5010e-003	4.6600e-004
tblVehicleEF	UBUS	3.55	5.97
tblVehicleEF	UBUS	0.03	0.07
tblVehicleEF	UBUS	0.75	0.05
tblVehicleTrips	CW_TL	16.60	40.00
tblVehicleTrips	CW_TTP	0.00	100.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	1.32	1.83
tblVehicleTrips	ST_TR	0.00	0.16
tblVehicleTrips	SU_TR	0.68	4.61
tblVehicleTrips	SU_TR	0.00	0.39
tblVehicleTrips	WD_TR	6.97	4.57
tblVehicleTrips	WD_TR	0.00	0.41

2.0 Emissions Summary

San Francisco Avenue (Currently Approved Operations) - Los Angeles-South Coast County, Winter

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

[illegible]

Mitigated Construction

[illegible][illegible]

San Francisco Avenue (Currently Approved Operations) - Los Angeles-South Coast County, Winter

2.2 Overall Operational**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.1317	2.6000e-004	0.0284	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0608	0.0608	1.6000e-004		0.0649
Energy	0.0735	0.6682	0.5613	4.0100e-003		0.0508	0.0508		0.0508	0.0508		801.7790	801.7790	0.0154	0.0147	806.5435
Mobile	0.3959	13.6900	2.6904	0.0585	7.0450	0.1264	7.1714	1.8006	0.1210	1.9215		6,161.5506	6,161.5506	0.0225		6,162.1136
Offroad	0.1220	1.2676	0.7586	3.1700e-003		0.0437	0.0437		0.0402	0.0402		306.7877	306.7877	0.0992		309.2683
Total	3.7231	15.6260	4.0387	0.0657	7.0450	0.2211	7.2660	1.8006	0.2121	2.0127		7,270.1782	7,270.1782	0.1373	0.0147	7,277.9903

San Francisco Avenue (Currently Approved Operations) - Los Angeles-South Coast County, Winter

2.2 Overall Operational**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.1317	2.6000e-004	0.0284	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0608	0.0608	1.6000e-004		0.0649
Energy	0.0735	0.6682	0.5613	4.0100e-003		0.0508	0.0508		0.0508	0.0508		801.7790	801.7790	0.0154	0.0147	806.5435
Mobile	0.3959	13.6900	2.6904	0.0585	7.0450	0.1264	7.1714	1.8006	0.1210	1.9215		6,161.5506	6,161.5506	0.0225		6,162.1136
Offroad	0.1220	1.2676	0.7586	3.1700e-003		0.0437	0.0437		0.0402	0.0402		306.7877	306.7877	0.0992		309.2683
Total	3.7231	15.6260	4.0387	0.0657	7.0450	0.2211	7.2660	1.8006	0.2121	2.0127		7,270.1782	7,270.1782	0.1373	0.0147	7,277.9903

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	10/4/2021	10/29/2021	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

San Francisco Avenue (Currently Approved Operations) - Los Angeles-South Coast County, Winter

Acres of Paving: 3.14**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)****OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Excavators	0	8.00	158	0.38
Demolition	Rubber Tired Dozers	0	8.00	247	0.40

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	0	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

San Francisco Avenue (Currently Approved Operations) - Los Angeles-South Coast County, Winter

3.2 Demolition - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

San Francisco Avenue (Currently Approved Operations) - Los Angeles-South Coast County, Winter

3.2 Demolition - 2021**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.0 Operational Detail - Mobile

San Francisco Avenue (Currently Approved Operations) - Los Angeles-South Coast County, Winter

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.3959	13.6900	2.6904	0.0585	7.0450	0.1264	7.1714	1.8006	0.1210	1.9215		6,161.5506	6,161.5506	0.0225		6,162.1136
Unmitigated	0.3959	13.6900	2.6904	0.0585	7.0450	0.1264	7.1714	1.8006	0.1210	1.9215		6,161.5506	6,161.5506	0.0225		6,162.1136

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	628.06	251.91	633.00	2,546,378	2,546,378
Other Asphalt Surfaces	0.00	0.00	0.00		
User Defined Industrial	55.93	21.58	54.15	739,219	739,219
Total	683.99	273.49	687.15	3,285,598	3,285,598

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
User Defined Industrial	40.00	8.40	6.90	100.00	0.00	0.00	100	0	0

San Francisco Avenue (Currently Approved Operations) - Los Angeles-South Coast County, Winter

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Other Asphalt Surfaces	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
User Defined Industrial	0.000000	0.000000	0.000000	0.000000	0.115300	0.045400	0.214300	0.625000	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0735	0.6682	0.5613	4.0100e-003		0.0508	0.0508		0.0508	0.0508		801.7790	801.7790	0.0154	0.0147	806.5435
NaturalGas Unmitigated	0.0735	0.6682	0.5613	4.0100e-003		0.0508	0.0508		0.0508	0.0508		801.7790	801.7790	0.0154	0.0147	806.5435

San Francisco Avenue (Currently Approved Operations) - Los Angeles-South Coast County, Winter

5.2 Energy by Land Use - NaturalGas**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	6815.12	0.0735	0.6682	0.5613	4.0100e-003		0.0508	0.0508		0.0508	0.0508		801.7790	801.7790	0.0154	0.0147	806.5435
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0735	0.6682	0.5613	4.0100e-003		0.0508	0.0508		0.0508	0.0508		801.7790	801.7790	0.0154	0.0147	806.5435

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	6.81512	0.0735	0.6682	0.5613	4.0100e-003		0.0508	0.0508		0.0508	0.0508		801.7790	801.7790	0.0154	0.0147	806.5435
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0735	0.6682	0.5613	4.0100e-003		0.0508	0.0508		0.0508	0.0508		801.7790	801.7790	0.0154	0.0147	806.5435

6.0 Area Detail

San Francisco Avenue (Currently Approved Operations) - Los Angeles-South Coast County, Winter

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	3.1317	2.6000e-004	0.0284	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0608	0.0608	1.6000e-004		0.0649
Unmitigated	3.1317	2.6000e-004	0.0284	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0608	0.0608	1.6000e-004		0.0649

6.2 Area by SubCategory**Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3595					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.7696					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.6400e-003	2.6000e-004	0.0284	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0608	0.0608	1.6000e-004		0.0649
Total	3.1317	2.6000e-004	0.0284	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0608	0.0608	1.6000e-004		0.0649

San Francisco Avenue (Currently Approved Operations) - Los Angeles-South Coast County, Winter

6.2 Area by SubCategory**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3595					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.7696					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.6400e-003	2.6000e-004	0.0284	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0608	0.0608	1.6000e-004		0.0649
Total	3.1317	2.6000e-004	0.0284	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0608	0.0608	1.6000e-004		0.0649

7.0 Water Detail**7.1 Mitigation Measures Water****8.0 Waste Detail****8.1 Mitigation Measures Waste****9.0 Operational Offroad**

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Tractors/Loaders/Backhoes	1	4.00	365	200	0.37	CNG

San Francisco Avenue (Currently Approved Operations) - Los Angeles-South Coast County, Winter

UnMitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Tractors/Loaders/Backhoes	0.1220	1.2676	0.7586	3.1700e-003		0.0437	0.0437		0.0402	0.0402		306.7877	306.7877	0.0992		309.2683
Total	0.1220	1.2676	0.7586	3.1700e-003		0.0437	0.0437		0.0402	0.0402		306.7877	306.7877	0.0992		309.2683

10.0 Stationary Equipment**Fire Pumps and Emergency Generators**

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

APPENDIX 3.4:
EMFAC2017 EMISSION RATES

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EMFAC2017 Derived CalEEMod Annual Emission Rates: Year 2022^{1,2}

Season	Pollutant	LDA	LDT1	LDT2	MDV	LHDT1	LHDT2	MHDT	HHDT	OBUS	UBUS	MCY	SBUS	MH
Annual	CH4_IDLEX	0	0	0	0	0.005611	0.003944047	0.004423587	0.026918673	0.0084752	0	0	0.0739897	0
Annual	CH4_RUNEX	0.0030242	0.0077267	0.0049734	0.0065352	0.0056775	0.003945704	0.004601906	0.082507546	0.0069634	5.8456002	0.3807819	0.0070599	0.0031209
Annual	CH4_STREX	0.0497119	0.070705	0.0673164	0.080691	0.0160712	0.011225406	0.012461198	5.38411E-07	0.0218218	0.0111859	0.2344659	0.006777	0
Annual	CO_IDLEX	0	0	0	0	0.1908366	0.152955314	0.394384048	6.226916634	0.5952011	0	0	2.9896242	0
Annual	CO_RUNEX	0.7201367	1.4527755	1.0219519	1.2167364	0.6473021	0.435243788	0.472350966	0.584717248	0.7823623	45.423026	19.105304	0.5993668	0.2690429
Annual	CO_STREX	2.1005975	2.2700339	2.6488862	3.0984851	1.1384467	0.770025562	1.435215411	0.009539162	2.3937088	0.7143595	8.5172687	0.9319113	0
Annual	CO2_NBIO_IDLEX	0	0	0	0	0.8754808	13.40193055	67.31859576	1172.5017	94.214715	0	0	354.62582	0
Annual	CO2_NBIO_RUNEX	272.47447	320.55496	343.41596	421.49481	667.04059	668.3742012	1070.872809	1482.703518	1391.4978	1991.581	223.67565	1100.9725	965.32961
Annual	CO2_NBIO_STREX	53.616905	63.670293	68.728001	83.585595	12.482572	9.648900899	12.16974322	0.090287536	19.244568	8.6084803	59.556617	5.7278912	0
Annual	NOX_IDLEX	0	0	0	0	0.0524484	0.084534621	0.474856688	6.318960426	0.4568364	0	0	3.1431593	0
Annual	NOX_RUNEX	0.040511	0.1201768	0.0856013	0.1130176	0.6271754	0.811152617	1.633735134	3.599432701	1.5748976	0.4697208	1.1316957	4.6496285	3.432833
Annual	NOX_STREX ³	0.1822069	0.2563963	0.2802614	0.3432342	0.3353256	0.234568425	1.289176771	2.063897191	0.7535135	0.0846513	0.2636683	0.9017689	0
Annual	PM10_IDLEX	0	0	0	0	0.0007495	0.001244273	0.001073214	0.003936807	0.0007892	0	0	0.0039536	0
Annual	PM10_PMBW	0.03675	0.03675	0.03675	0.03675	0.07644	0.089180026	0.130340037	0.061057896	0.13034	0.0726803	0.01176	0.7448002	0.13034
Annual	PM10_PMTW	0.008	0.008	0.008	0.008	0.0096684	0.010521633	0.012000003	0.035588943	0.012	0.0318756	0.004	0.0106531	0.016
Annual	PM10_RUNEX	0.0018007	0.0027169	0.001911	0.0020878	0.0062844	0.009868432	0.031829818	0.028199781	0.0176188	0.0031836	0.002443	0.0270747	0.0749646
Annual	PM10_STREX	0.0018422	0.0026306	0.0018911	0.0020605	0.0002851	0.00016317	0.00013806	1.61301E-06	0.0001973	4.641E-05	0.0032943	5.518E-05	0
Annual	PM25_IDLEX	0	0	0	0	0.0007171	0.001190446	0.001026787	0.003766502	0.0007551	0	0	0.0037825	0
Annual	PM25_PMBW	0.01575	0.01575	0.01575	0.01575	0.03276	0.038220011	0.055860016	0.02616767	0.05586	0.0311487	0.00504	0.3192001	0.05586
Annual	PM25_PMTW	0.002	0.002	0.002	0.002	0.0024171	0.002630408	0.003000001	0.008897236	0.003	0.0079689	0.001	0.0026633	0.004
Annual	PM25_RUNEX	0.001659	0.0025003	0.0017588	0.0019247	0.0059828	0.00942442	0.030446233	0.02697983	0.0168419	0.0030428	0.0022829	0.0258893	0.0717216
Annual	PM25_STREX	0.0016939	0.002419	0.0017389	0.001895	0.0002621	0.000150029	0.000126941	1.4831E-06	0.0001814	4.267E-05	0.0031005	5.074E-05	0
Annual	ROG_DIURN	0.0524196	0.1274576	0.0730385	0.0841768	0.0025541	0.001576501	0.000667636	7.19251E-06	0.0018391	0.0006646	1.0817626	0.0009894	0
Annual	ROG_HTSK	0.1008153	0.1993409	0.1233314	0.1409304	0.0805416	0.054372967	0.027255384	0.000276525	0.022113	0.0084735	0.6546153	0.0085882	0
Annual	ROG_IDLEX	0	0	0	0	0.0223008	0.017986622	0.022226278	0.453910027	0.0559077	0	0	0.3437606	0
Annual	ROG_RESTL	0.0497979	0.1075015	0.0740805	0.0890787	0.0015611	0.000978461	0.00043014	5.06836E-06	0.0009412	0.0004915	0.6628665	0.0005274	0
Annual	ROG_RUNEX	0.0119411	0.0343685	0.0206414	0.0283093	0.0486117	0.049818031	0.062555505	0.082265543	0.0618348	0.0851611	2.611964	0.0921701	0.0671904
Annual	ROG_RUNLS	0.2110443	0.6943408	0.4055255	0.4291112	0.5526459	0.353514692	0.144873584	0.001508325	0.2644634	0.053654	1.9833855	0.0553234	0
Annual	ROG_STREX	0.2237273	0.354093	0.3137551	0.3987574	0.0734062	0.055359584	0.066469247	2.83959E-06	0.1148994	0.0484924	1.8128246	0.0391092	0
Annual	SO2_IDLEX	0	0	0	0	8.627E-05	0.000128552	0.000639803	0.010902219	0.0008963	0	0	0.0033855	0
Annual	SO2_RUNEX	0.0026782	0.0031516	0.0033756	0.0041408	0.0065152	0.006470764	0.010238121	0.013511568	0.0134578	0.0014406	0.0022135	0.0105323	0.0091258
Annual	SO2_STREX	0.0005272	0.000626	0.0006757	0.0008218	0.0001235	9.54837E-05	0.000120429	8.93468E-07	0.0001904	8.519E-05	0.0005894	5.668E-05	0
Annual	TOG_DIURN	0.0524353	0.1274958	0.0730604	0.084202	0.0025541	0.001576501	0.000667636	7.19251E-06	0.0018391	0.0006646	1.0817626	0.0009894	0
Annual	TOG_HTSK	0.1008455	0.1994007	0.1233684	0.1409727	0.0805416	0.054372967	0.027255384	0.000276525	0.022113	0.0084735	0.6546153	0.0085882	0
Annual	TOG_IDLEX	0	0	0	0	0.0315919	0.02470222	0.030324437	0.522617236	0.0723106	0	0	0.4946086	0
Annual	TOG_RESTL	0.0498128	0.1075337	0.0741028	0.0891054	0.0015611	0.000978461	0.00043014	5.06836E-06	0.0009412	0.0004915	0.6628665	0.0005274	0
Annual	TOG_RUNEX	0.0173632	0.050113	0.0300646	0.0410733	0.0621958	0.059663373	0.074624561	0.173011316	0.0784927	5.9677449	3.2456821	0.1106291	0.0764918
Annual	TOG_RUNLS	0.2111077	0.6945491	0.4056472	0.42924	0.5526459	0.353514692	0.144873584	0.001508325	0.2644634	0.053654	1.9833855	0.0553234	0
Annual	TOG_STREX	0.24505	0.3878403	0.343659	0.4367569	0.0868303	0.060611776	0.072775458	3.109E-06	0.1258004	0.0530931	1.9732172	0.0428196	0
Summer	CH4_IDLEX	0	0	0	0	0.0056229	0.00395256	0.004192784	0.028040022	0.0085344	0	0	0.0740425	0
Summer	CH4_RUNEX	0.0032282	0.0081768	0.0052909	0.0069305	0.0057928	0.003991452	0.004654268	0.082509545	0.0070846	5.8456102	0.3737796	0.0071402	0.0031209
Summer	CH4_STREX	0.0447523	0.0632755	0.0605349	0.072483	0.0155239	0.010843845	0.012009655	5.15794E-07	0.0209867	0.0103998	0.2095508	0.0060473	0
Summer	CO_IDLEX	0	0	0	0	0.1908366	0.152955314	0.322787613	6.089397874	0.5813111	0	0	2.9531182	0
Summer	CO_RUNEX	0.7893131	1.5751382	1.1154161	1.3215976	0.6592739	0.439997575	0.478223072	0.585393392	0.796	45.423537	18.368661	0.6078768	0.2690429
Summer	CO_STREX	1.7928853	1.9324236	2.2586417	2.6333531	1.0881875	0.736097884	1.363194297	0.009060559	2.2639575	0.6288227	7.7565371	0.7604063	0
Summer	CO2_NBIO_IDLEX	0	0	0	0	8.8754808	13.40193055	68.13890073	1168.968972	94.080565	0	0	362.28625	0
Summer	CO2_NBIO_RUNEX	284.40184	332.71116	355.31365	433.95807	667.06223	668.3826287	1070.883191	1482.704643	1391.522	1991.5819	222.28274	1100.9877	965.32961
Summer	CO2_NBIO_STREX	53.045587	62.999293	67.992098	82.679702	12.393178	9.588331089	12.0468222	0.089528539	19.023454	8.4608426	57.673194	5.4418287	0
Summer	NOX_IDLEX	0	0	0	0	0.0524484	0.084534621	0.475224904	6.133659065	0.4469892	0	0	3.2081557	0
Summer	NOX_RUNEX	0.0356155	0.1049688	0.0750238	0.0989825	0.5874473	0.76465199	1.538039986	3.406107222	1.475312	0.4672408	0.988815	4.3860802	3.2425213
Summer	NOX_STREX ³	0.1687012	0.2374487	0.2595048	0.3178035	0.3212826	0.22475739	1.284167877	2.063840585	0.7432406	0.0809543	0.2499432	0.898039	0
Summer	PM10_IDLEX	0	0	0	0	0.0007495	0.001244273	0.000907272	0.003441783	0.0006707	0	0	0.0033404	0
Summer	PM10_PMBW	0.03675	0.03675	0.03675	0.03675	0.07644	0.089180026	0.130340037	0.061057896	0.13034	0.0726803	0.01176	0.7448002	0.13034
Summer	PM10_PMTW	0.008	0.008	0.008	0.008	0.0096684	0.010521633	0.012000003	0.035588943	0.012	0.0318756	0.004	0.0106531	0.016
Summer	PM10_RUNEX	0.0018007	0.0027169	0.001911	0.0020878	0.0062844	0.009868432	0.031829818	0.028199781	0.0176188	0.0031836	0.002443	0.0270747	0.0749646
Summer	PM10_STREX	0.0018422	0.0026306	0.0018911	0.0020605	0.0002851	0.00016317	0.00013806	1.61301E-06	0.0001973	4.641E-05	0.0032943	5.518E-05	0
Summer	PM25_IDLEX	0	0	0	0	0.0007171	0.001190446	0.000868024	0.003292893	0.0006416	0	0	0.0031959	0
Summer	PM25_PMBW	0.01575	0.01575	0.01575	0.01575	0.03276	0.038220011	0.055860016	0.02616767	0.05586	0.0311487	0.00504	0.3192001	0.05586
Summer	PM25_PMTW	0.002	0.002	0.002	0.002	0.0024171	0.002630408	0.003000001	0.008897236	0.003	0.0079689	0.001	0.0026633	0.004
Summer	PM25_RUNEX	0.001659	0.0025003	0.0017588	0.0019247	0.0059828	0.00942442	0.030446233	0.02697983	0.0168419	0.0030428	0.0022829	0.0258893	0.0717216
Summer	PM25_STREX	0.0016939	0.002419	0.0017389	0.001895	0.0002621	0.000150029	0.000126941	1.4831E-06	0.0001814	4.267E-05	0.0031005	5.074E-05	0
Summer	ROG_DIURN	0.0805724	0.1958209	0.1122646	0.129403	0.0037597	0.00232092	0.000992629	1.12824E-05	0.0026504	0.000962	1.7192635	0.0014292	0
Summer	ROG_HTSK	0.1039521	0.20733	0.1273075	0.1449651	0.0824794	0.056058952	0.028106319	0.000282155	0.0225824	0.0087333	0.7111003	0.0087249	0
Summer	ROG_IDLEX	0	0	0	0	0.0223008	0.017986622	0.021299207	0.474766627	0.0568223	0	0	0.3435773	0
Summer	ROG_RESTL	0.0689402	0.1497526	0.1020832	0.1227958	0.0021601	0.00135455	0.000604419	7.70525E-06	0.0013				

Winter	CH4_IDLEX	0	0	0	0	0.0056086	0.003942317	0.004755467	0.01973037	0.0084128	0	0	0.0739888	0
Winter	CH4_RUNEX	0.0029599	0.0075825	0.0048731	0.0064066	0.005646	0.00393336	0.004585367	0.003636202	0.0069288	5.8455978	0.3823353	0.0070355	0.0031209
Winter	CH4_STREX	0.0508347	0.0723885	0.0688533	0.0825503	0.0161899	0.011308117	0.012544775	5.43738E-07	0.0220235	0.0113635	0.239769	0.0069446	0
Winter	CO_IDLEX	0	0	0	0	0.1908366	0.152955314	0.494420072	6.3197888	0.6143825	0	0	3.0400371	0
Winter	CO_RUNEX	0.6947585	1.4074551	0.9875842	1.1774753	0.6440847	0.433960268	0.470667137	0.378232006	0.7784512	45.422898	19.251502	0.5967545	0.2690429
Winter	CO_STREX	2.1718736	2.3482348	2.7398535	3.206882	1.1475152	0.776227159	1.449467168	0.009634159	2.4206576	0.7314087	8.6646146	0.9644153	0
Winter	CO2_NBIO_IDLEX	0	0	0	0	8.8754808	13.40193055	66.17894992	1158.962553	94.39997	0	0	344.04713	0
Winter	CO2_NBIO_RUNEX	268.0658	316.06139	339.01831	416.88694	667.03476	668.3719215	1070.869828	1430.090478	1391.4909	1991.5807	223.9573	1100.9678	965.32961
Winter	CO2_NBIO_STREX	53.748702	63.82472	68.898619	83.79125	12.499045	9.660195585	12.19435122	0.0904382	19.291004	8.6382336	59.93538	5.7826736	0
Winter	NOX_IDLEX	0	0	0	0	0.0524484	0.084534621	0.474347261	6.465701188	0.470435	0	0	3.0534024	0
Winter	NOX_RUNEX	0.0392918	0.1167803	0.08308	0.1097293	0.61562	0.796457815	1.602740334	3.488980303	1.5453819	0.4691927	1.1050922	4.5685046	3.368534
Winter	NOX_STREX ³	0.1852096	0.2606338	0.2848824	0.348904	0.3385109	0.23679626	1.290368034	2.063910648	0.7559833	0.0855041	0.2669026	0.9028594	0
Winter	PM10_IDLEX	0	0	0	0	0.0007495	0.001244273	0.00130237	0.004370771	0.0009529	0	0	0.0048003	0
Winter	PM10_PMBW	0.03675	0.03675	0.03675	0.03675	0.07644	0.089180026	0.130340037	0.060105422	0.13034	0.0726803	0.01176	0.7448002	0.13034
Winter	PM10_PMTW	0.008	0.008	0.008	0.008	0.0096684	0.010521633	0.012000003	0.035033564	0.012	0.0318756	0.004	0.0106531	0.016
Winter	PM10_RUNEX	0.0018007	0.0027169	0.001911	0.0020878	0.0062844	0.009868432	0.031829818	0.028096242	0.0176188	0.0031836	0.002443	0.0270747	0.0749646
Winter	PM10_STREX	0.0018422	0.0026306	0.0018911	0.0020605	0.0002851	0.00016317	0.00013806	1.61301E-06	0.0001973	4.641E-05	0.0032943	5.518E-05	0
Winter	PM25_IDLEX	0	0	0	0	0.0007171	0.001190446	0.00124603	0.004181693	0.0009117	0	0	0.0045926	0
Winter	PM25_PMBW	0.01575	0.01575	0.01575	0.01575	0.03276	0.038220011	0.055860016	0.025759466	0.05586	0.0311487	0.00504	0.3192001	0.05586
Winter	PM25_PMTW	0.002	0.002	0.002	0.002	0.0024171	0.002630408	0.003000001	0.008758391	0.003	0.0079689	0.001	0.0026633	0.004
Winter	PM25_RUNEX	0.001659	0.0025003	0.0017588	0.0019247	0.0059828	0.00942442	0.030446233	0.02688077	0.0168419	0.0030428	0.0022829	0.0258893	0.0717216
Winter	PM25_STREX	0.0016939	0.002419	0.0017389	0.001895	0.0002621	0.000150029	0.000126941	1.4831E-06	0.0001814	4.267E-05	0.0031005	5.074E-05	0
Winter	ROG_IDIURN	0.0510541	0.1275302	0.0699814	0.0800091	0.0026897	0.001633622	0.000691481	7.52303E-06	0.0019222	0.000648	1.1757383	0.0010033	0
Winter	ROG_HTSK	0.1086963	0.2237106	0.1330533	0.1505647	0.0923885	0.061346922	0.029503806	0.000314939	0.0234751	0.0090358	0.8418938	0.0090227	0
Winter	ROG_IDLEX	0	0	0	0	0.0223008	0.017986622	0.023524408	0.424789457	0.0546447	0	0	0.3440137	0
Winter	ROG_RESTL	0.0475461	0.1027519	0.0706838	0.0851103	0.0015404	0.0009504	0.000420717	5.06328E-06	0.0009238	0.0004662	0.6353973	0.0005063	0
Winter	ROG_RUNEX	0.0117058	0.0337488	0.0202481	0.0277916	0.0484416	0.049761171	0.062483287	0.076852175	0.0616657	0.0851541	2.6258813	0.0920455	0.0671904
Winter	ROG_RUNLS	0.2402572	0.8209764	0.475354	0.4989969	0.5986148	0.385180909	0.159150925	0.001601131	0.2833056	0.0654431	2.2829142	0.0680686	0
Winter	ROG_STREX	0.2291274	0.3629262	0.3213604	0.4085149	0.0799314	0.05579603	0.067070422	2.86528E-06	0.1160075	0.0493055	1.8565024	0.0400807	0
Winter	SO2_IDLEX	0	0	0	0	8.627E-05	0.000128552	0.000628811	0.010949304	0.000898	0	0	0.0032856	0
Winter	SO2_RUNEX	0.0026349	0.0031074	0.0033324	0.0040955	0.0065151	0.006470741	0.010238092	0.013511565	0.0134578	0.0014406	0.0022162	0.0105322	0.0091258
Winter	SO2_STREX	0.0005285	0.0006275	0.0006774	0.0008238	0.0001237	9.55955E-05	0.000120673	8.94959E-07	0.0001909	8.548E-05	0.0005931	5.722E-05	0
Winter	TOG_DIURN	0.0510694	0.1275685	0.0700023	0.0800331	0.0026897	0.001633622	0.000691481	7.52303E-06	0.0019222	0.000648	1.1757383	0.0010033	0
Winter	TOG_HTSK	0.1087289	0.2237778	0.1330932	0.1506098	0.0923885	0.061346922	0.029503806	0.000314939	0.0234751	0.0090358	0.8418938	0.0090227	0
Winter	TOG_IDLEX	0	0	0	0	0.0315919	0.02470222	0.03222404	0.483590462	0.0708727	0	0	0.4948967	0
Winter	TOG_RESTL	0.0475604	0.1027827	0.0707051	0.0851358	0.0015404	0.0009504	0.000420717	5.06328E-06	0.0009238	0.0004662	0.6353973	0.0005063	0
Winter	TOG_RUNEX	0.0170198	0.0492087	0.0294906	0.0403188	0.0619477	0.059580403	0.074519181	0.087632854	0.078246	5.9677347	3.2624715	0.1104474	0.0764918
Winter	TOG_RUNLS	0.2403293	0.8212227	0.4754967	0.4991466	0.5986148	0.385180909	0.159150925	0.001601131	0.2833056	0.0654431	2.2829142	0.0680686	0
Winter	TOG_STREX	0.2509647	0.3975153	0.3519891	0.4474441	0.0875148	0.061089629	0.073433669	3.13712E-06	0.1270137	0.0539833	2.0207475	0.0438833	0

1 Source: California Air Resources Board. EMFAC2017 Web Database. <https://www.arb.ca.gov/emfac/2017/>; California Air Pollution Control Officers Association (CAPCOA). 2017, November. California Emissions Estimator Model User's Guide, Version 2016.3.2, Appendix A.

2 Unless otherwise noted, per CalEEMod methodology, the calculated CalEEMod emission rates are derived from the emission rates obtained using the EMFAC2017 Web Database for the Los Angeles (SC) region.

3 Because EMFAC2017 provides vehicle trips data for MHD and HHDT diesel trucks, the formula provided in Appendix A of the CalEEMod User's Guide in calculating the NO_x STREX emission rates are utilized.

APPENDIX 3.5:
SCAQMD AMICUS BRIEF

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S219783

IN THE SUPREME COURT OF CALIFORNIA

SIERRA CLUB, REVIVE THE SAN JOAQUIN, and
LEAGUE OF WOMEN VOTERS OF FRESNO,

Plaintiffs and Appellants,

v.

COUNTY OF FRESNO,

Defendant and Respondent,

and,

FRIANT RANCH, L.P.,

Real Party in Interest and Respondent.

SUPREME COURT
FILED

APR 13 2015

Frank A. McGuire Clerk
Deputy

After a Published Decision by the Court of Appeal, filed May 27, 2014
Fifth Appellate District Case No. F066798

Appeal from the Superior Court of California, County of Fresno
Case No. 11CECG00726
Honorable Rosendo A. Pena, Jr.

**APPLICATION OF THE SOUTH COAST AIR QUALITY
MANAGEMENT DISTRICT FOR LEAVE TO FILE
BRIEF OF *AMICUS CURIAE* IN SUPPORT OF NEITHER PARTY
AND [PROPOSED] BRIEF OF *AMICUS CURIAE***

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**TO THE HONORABLE CHIEF JUSTICE AND JUSTICES OF THE
SUPREME COURT:**

APPLICATION FOR LEAVE TO FILE *AMICUS CURIAE* BRIEF

Pursuant to Rule 8.520(f) of the California Rules of Court, the South Coast Air Quality Management District (SCAQMD) respectfully requests leave to file the attached *amicus curiae* brief. Because SCAQMD's position differs from that of either party, we request leave to submit this amicus brief in support of neither party.

HOW THIS BRIEF WILL ASSIST THE COURT

SCAQMD's proposed amicus brief takes a position on two of the issues in this case. In both instances, its position differs from that of either party. The issues are:

- 1) Does the California Environmental Quality Act (CEQA) require an environmental impact report (EIR) to correlate a project's air pollution emissions with specific levels of health impacts?
- 2) What is the proper standard of review for determining whether an EIR provides sufficient information on the health impacts caused by a project's emission of air pollutants?

This brief will assist the Court by discussing the practical realities of correlating identified air quality impacts with specific health outcomes. In short, CEQA requires agencies to provide detailed information about a project's air quality impacts that is sufficient for the public and decisionmakers to adequately evaluate the project and meaningfully understand its impacts. However, the level of analysis is governed by a rule of reason; CEQA only requires agencies to conduct analysis if it is reasonably feasible to do so.

With regard to health-related air quality impacts, an analysis that correlates a project's air pollution emissions with specific levels of health impacts will be feasible in some cases but not others. Whether it is feasible depends on a variety of factors, including the nature of the project and the nature of the analysis under consideration. The feasibility of analysis may also change over time as air districts and others develop new tools for measuring projects' air quality related health impacts. Because SCAQMD has among the most sophisticated air quality modeling and health impact evaluation capability of any of the air districts in the State, it is uniquely situated to express an opinion on the extent to which the Court should hold that CEQA requires lead agencies to correlate air quality impacts with specific health outcomes.

SCAQMD can also offer a unique perspective on the question of the appropriate standard of review. SCAQMD submits that the proper standard of review for determining whether an EIR is sufficient as an informational document is more nuanced than argued by either party. In our view, this is a mixed question of fact and law. It includes determining whether additional analysis is feasible, which is primarily a factual question that should be reviewed under the substantial evidence standard. However, it also involves determining whether the omission of a particular analysis renders an EIR insufficient to serve CEQA's purpose as a meaningful, informational document. If a lead agency has not determined that a requested analysis is infeasible, it is the court's role to determine whether the EIR nevertheless meets CEQA's purposes, and courts should not defer to the lead agency's conclusions regarding the legal sufficiency of an EIR's analysis. The ultimate question of whether an EIR's analysis is "sufficient" to serve CEQA's informational purposes is predominately a question of law that courts should review de novo.

This brief will explain the rationale for these arguments and may assist the Court in reaching a conclusion that accords proper respect to a lead agency's factual conclusions while maintaining judicial authority over the ultimate question of what level of analysis CEQA requires.

STATEMENT OF INTEREST OF *AMICUS CURIAE*

The SCAQMD is the regional agency primarily responsible for air pollution control in the South Coast Air Basin, which consists of all of Orange County and the non-desert portions of the Los Angeles, Riverside, and San Bernardino Counties. (Health & Saf. Code § 40410; Cal. Code Regs., tit. 17, § 60104.) The SCAQMD participates in the CEQA process in several ways. Sometimes it acts as a lead agency that prepares CEQA documents for projects. Other times it acts as a responsible agency when it has permit authority over some part of a project that is undergoing CEQA review by a different lead agency. Finally, SCAQMD also acts as a commenting agency for CEQA documents that it receives because it is a public agency with jurisdiction by law over natural resources affected by the project.

In all of these capacities, SCAQMD will be affected by the decision in this case. SCAQMD sometimes submits comments requesting that a lead agency perform an additional type of air quality or health impacts analysis. On the other hand, SCAQMD sometimes determines that a particular type of health impact analysis is not feasible or would not produce reliable and informative results. Thus, SCAQMD will be affected by the Court's resolution of the extent to which CEQA requires EIRs to correlate emissions and health impacts, and its resolution of the proper standard of review.

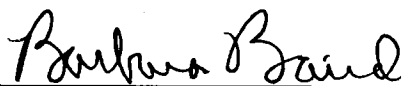
CERTIFICATION REGARDING AUTHORSHIP AND FUNDING

No party or counsel in the pending case authored the proposed amicus curiae brief in whole or in part, or made any monetary contribution intended to fund the preparation or submission of the brief. No person or entity other than the proposed *Amicus Curiae* made any monetary contribution intended to fund the preparation or submission of the brief.

Respectfully submitted,

DATED: April 3, 2015

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BRIEF OF AMICUS CURIAE

SUMMARY OF ARGUMENT

The South Coast Air Quality Management District (SCAQMD) submits that this Court should not try to establish a hard-and-fast rule concerning whether lead agencies are required to correlate emissions of air pollutants with specific health consequences in their environmental impact reports (EIR). The level of detail required in EIRs is governed by a few, core CEQA (California Environmental Quality Act) principles. As this Court has stated, “[a]n EIR must include detail sufficient to enable those who did not participate in its preparation to understand and to consider meaningfully the issues raised by the proposed project.” (*Laurel Heights Improvement Assn. v. Regents of the Univ of Cal.* (1988) 47 Cal.3d 376, 405 [*“Laurel Heights I”*]) Accordingly, “an agency must use its best efforts to find out and disclose all that it reasonably can.” (*Vineyard Area Citizens for Responsible Growth, Inc. v. City of Rancho Cordova* (2007) 40 Cal.4th 412, 428 (quoting CEQA Guidelines § 15144)¹). However, “[a]nalysis of environmental effects need not be exhaustive, but will be judged in light of what is reasonably feasible.” (*Association of Irrigated Residents v. County of Madera* (2003) 107 Cal.App.4th 1383, 1390; CEQA Guidelines §§ 15151, 15204(a).)

With regard to analysis of air quality related health impacts, EIRs must generally quantify a project’s pollutant emissions, but in some cases it is not feasible to correlate these emissions to specific, quantifiable health impacts (e.g., premature mortality; hospital admissions). In such cases, a general description of the adverse health impacts resulting from the pollutants at issue may be sufficient. In other cases, due to the magnitude

¹ The CEQA Guidelines are found at Cal. Code Regs., tit. 14 §§ 15000, *et seq.*

or nature of the pollution emissions, as well as the specificity of the project involved, it may be feasible to quantify health impacts. Or there may be a less exacting, but still meaningful analysis of health impacts that can feasibly be performed. In these instances, agencies should disclose those impacts.

SCAQMD also submits that whether or not an EIR complies with CEQA's informational mandates by providing sufficient, feasible analysis is a mixed question of fact and law. Pertinent here, the question of whether an EIR's discussion of health impacts from air pollution is sufficient to allow the public to understand and consider meaningfully the issues involves two inquiries: (1) Is it feasible to provide the information or analysis that a commenter is requesting or a petitioner is arguing should be required?; and (2) Even if it is feasible, is the agency relying on other policy or legal considerations to justify not preparing the requested analysis? The first question of whether an analysis is feasible is primarily a question of fact that should be judged by the substantial evidence standard. The second inquiry involves evaluating CEQA's information disclosure purposes against the asserted reasons to not perform the requested analysis. For example, an agency might believe that its EIR meets CEQA's informational disclosure standards even without a particular analysis, and therefore choose not to conduct that analysis. SCAQMD submits that this is more of a legal question, which should be reviewed de novo as a question of law.

ARGUMENT

I. RELEVANT FACTUAL AND LEGAL FRAMEWORK.

A. Air Quality Regulatory Background

The South Coast Air Quality Management District (SCAQMD) is one of the local and regional air pollution control districts and air quality

management districts in California. The SCAQMD is the regional air pollution agency for the South Coast Air Basin, which consists of all of Orange County and the non-desert portions of Los Angeles, Riverside, and San Bernardino Counties. (Health & Saf. Code § 40410, 17 Cal. Code Reg. § 60104.) The SCAQMD also includes the Coachella Valley in Riverside County (Palm Springs area to the Salton Sea). (SCAQMD, *Final 2012 AQMP* (Feb. 2013), <http://www.aqmd.gov/home/library/clean-air-plans/air-quality-mgt-plan/final-2012-air-quality-management-plan>; then follow “chapter 7” hyperlink; pp 7-1, 7-3 (last visited Apr. 1, 2015).) The SCAQMD's jurisdiction includes over 16 million residents and has the worst or nearly the worst air pollution levels in the country for ozone and fine particulate matter. (SCAQMD, *Final 2012 AQMP* (Feb. 2013), <http://www.aqmd.gov/home/library/clean-air-plans/air-quality-mgt-plan/final-2012-air-quality-management-plan>; then follow “Executive Summary” hyperlink p. ES-1 (last visited Apr. 1, 2015).)

Under California law, the local and regional districts are primarily responsible for controlling air pollution from all sources except motor vehicles. (Health & Saf. Code § 40000.) The California Air Resources Board (CARB), part of the California Environmental Protection Agency, is primarily responsible for controlling pollution from motor vehicles. (*Id.*) The air districts must adopt rules to achieve and maintain the state and federal ambient air quality standards within their jurisdictions. (Health & Saf. Code § 40001.)

The federal Clean Air Act (CAA) requires the United States Environmental Protection Agency (EPA) to identify pollutants that are widely distributed and pose a threat to human health, developing a so-called “criteria” document. (42 U.S.C. § 7408; CAA § 108.) These pollutants are frequently called “criteria pollutants.” EPA must then establish “national ambient air quality standards” at levels “requisite to protect public health”,

allowing “an adequate margin of safety.” (42 U.S.C. § 7409; CAA § 109.) EPA has set standards for six identified pollutants: ozone, nitrogen dioxide, sulfur dioxide, carbon monoxide, particulate matter (PM), and lead. (U.S. EPA, National Ambient Air Quality Standards (NAAQS), <http://www.epa.gov/air/criteria.html> (last updated Oct. 21, 2014).)²

Under the Clean Air Act, EPA sets emission standards for motor vehicles and “nonroad engines” (mobile farm and construction equipment, marine vessels, locomotives, aircraft, etc.). (42 U.S.C. §§ 7521, 7547; CAA §§ 202, 213.) California is the only state allowed to establish emission standards for motor vehicles and most nonroad sources; however, it may only do so with EPA's approval. (42 U.S.C. §§ 7543(b), 7543(e); CAA §§ 209(b), 209(c).) Sources such as manufacturing facilities, power plants and refineries that are not mobile are often referred to as “stationary sources.” The Clean Air Act charges state and local agencies with the primary responsibility to attain the national ambient air quality standards. (42 U.S.C. § 7401(a)(3); CAA § 101(a)(3).) Each state must adopt and implement a plan including enforceable measures to achieve and maintain the national ambient air quality standards. (42 U.S.C. § 7410; CAA § 110.) The SCAQMD and CARB jointly prepare portion of the plan for the South Coast Air Basin and submit it for approval by EPA. (Health & Saf. Code §§ 40460, et seq.)

The Clean Air Act also requires state and local agencies to adopt a permit program requiring, among other things, that new or modified “major” stationary sources use technology to achieve the “lowest achievable emission rate,” and to control minor stationary sources as

² Particulate matter (PM) is further divided into two categories: fine particulate or PM_{2.5} (particles with a diameter of less than or equal to 2.5 microns) and coarse particulate (PM₁₀) (particles with a diameter of 10 microns or less). (U.S. EPA, Particulate Matter (PM), <http://www.epa.gov/airquality/particulatepollution/> (last visited Apr. 1, 2015).)

needed to help attain the standards. (42 U.S.C. §§ 7502(c)(5), 7503(a)(2), 7410(a)(2)(C); CAA §§ 172(c)(5), 173(a)(2), 110(a)(2)(C).) The air districts implement these permit programs in California. (Health & Saf. Code §§ 42300, et seq.)

The Clean Air Act also sets out a regulatory structure for over 100 so-called “hazardous air pollutants” calling for EPA to establish “maximum achievable control technology” (MACT) for sources of these pollutants. (42 U.S.C. § 7412(d)(2); CAA § 112(d)(2).) California refers to these pollutants as “toxic air contaminants” (TACs) which are subject to two state-required programs. The first program requires “air toxics control measures” for specific categories of sources. (Health & Saf. Code § 39666.) The other program requires larger stationary sources and sources identified by air districts to prepare “health risk assessments” for impacts of toxic air contaminants. (Health & Saf. Code §§ 44320(b), 44322, 44360.) If the health risk exceeds levels identified by the district as “significant,” the facility must implement a “risk reduction plan” to bring its risk levels below “significant” levels. Air districts may adopt additional more stringent requirements than those required by state law, including requirements for toxic air contaminants. (Health & Saf. Code § 41508; *Western Oil & Gas Assn. v. Monterey Bay Unified APCD* (1989) 49 Cal.3d 408, 414.) For example, SCAQMD has adopted a rule requiring new or modified sources to keep their risks below specified levels and use best available control technology (BACT) for toxics. (SCAQMD, *Rule 1401-New Source Review of Toxic Air Contaminants*, <http://www.aqmd.gov/home/regulations/rules/scaqmd-rule-book/regulation-xiv>; then follow “Rule 1401” hyperlink (last visited Apr. 1, 2015).)

B. The SCAQMD's Role Under CEQA

The California Environmental Quality Act (CEQA) requires public agencies to perform an environmental review and appropriate analysis for projects that they implement or approve. (Pub. Resources Code § 21080(a).) The agency with primary approval authority for a particular project is generally the “lead agency” that prepares the appropriate CEQA document. (CEQA Guidelines §§ 15050, 15051.) Other agencies having a subsequent approval authority over all or part of a project are called “responsible” agencies that must determine whether the CEQA document is adequate for their use. (CEQA Guidelines §§ 15096(c), 15381.) Lead agencies must also consult with and circulate their environmental impact reports to “trustee agencies” and agencies “with jurisdiction by law” including “authority over resources which may be affected by the project.” (Pub. Resources Code §§ 21104(a), 21153; CEQA Guidelines §§ 15086(a)(3), 15073(c).) The SCAQMD has a role in all these aspects of CEQA.

Fulfilling its responsibilities to implement its air quality plan and adopt rules to attain the national ambient air quality standards, SCAQMD adopts a dozen or more rules each year to require pollution reductions from a wide variety of sources. The SCAQMD staff evaluates each rule for any adverse environmental impact and prepares the appropriate CEQA document. Although most rules reduce air emissions, they may have secondary environmental impacts such as use of water or energy or disposal of waste—e.g., spent catalyst from control equipment.³

³ The SCAQMD's CEQA program for its rules is a “Certified Regulatory Program” under which it prepares a “functionally equivalent” document in lieu of a negative declaration or EIR. (Pub. Resources Code § 21080.5, CEQA Guidelines § 15251(l).)

The SCAQMD also approves a large number of permits every year to construct new, modified, or replacement facilities that emit regulated air pollutants. The majority of these air pollutant sources have already been included in an earlier CEQA evaluation for a larger project, are currently being evaluated by a local government as lead agency, or qualify for an exemption. However, the SCAQMD sometimes acts as lead agency for major projects where the local government does not have a discretionary approval. In such cases, SCAQMD prepares and certifies a negative declaration or environmental impact report (EIR) as appropriate.⁴ SCAQMD evaluates perhaps a dozen such permit projects under CEQA each year. SCAQMD is often also a “responsible agency” for many projects since it must issue a permit for part of the projects (e.g., a boiler used to provide heat in a commercial building). For permit projects evaluated by another lead agency under CEQA, SCAQMD has the right to determine that the CEQA document is inadequate for its purposes as a responsible agency, but it may not do so because its permit program already requires all permitted sources to use the best available air pollution control technology. (SCAQMD, *Rule 1303(a)(1) – Requirements*, <http://www.aqmd.gov/home/regulations/rules/scaqmd-rule-book/regulation-xiii>; then follow “Rule 1303” hyperlink (last visited Apr. 1, 2015).)

Finally, SCAQMD receives as many as 60 or more CEQA documents each month (around 500 per year) in its role as commenting agency or an agency with “jurisdiction by law” over air quality—a natural resource affected by the project. (Pub. Resources Code §§ 21104(a), 21153; CEQA Guidelines § 15366(a)(3).) The SCAQMD staff provides comments on as many as 25 or 30 such documents each month.

⁴ The SCAQMD's permit projects are not included in its Certified Regulatory Program, and are evaluated under the traditional local government CEQA analysis. (Pub. Resources Code §§ 21150-21154.)

(SCAQMD Governing Board Agenda, Apr. 3, 2015, Agenda Item 16, Attachment A, <http://www.aqmd.gov/home/library/meeting-agendas-minutes/agenda?title=governing-board-meeting-agenda-april-3-2015>; then follow “16. Lead Agency Projects and Environmental Documents Received by SCAQMD” hyperlink (last visited Apr. 1, 2015).) Of course, SCAQMD focuses its commenting efforts on the more significant projects.

Typically, SCAQMD comments on the adequacy of air quality analysis, appropriateness of assumptions and methodology, and completeness of the recommended air quality mitigation measures. Staff may comment on the need to prepare a health risk assessment detailing the projected cancer and noncancer risks from toxic air contaminants resulting from the project, particularly the impacts of diesel particulate matter, which CARB has identified as a toxic air contaminant based on its carcinogenic effects. (California Air Resources Board, Resolution 98-35, Aug. 27, 1998, <http://www.arb.ca.gov/regact/diesltac/diesltac.htm>; then follow Resolution 98-35 hyperlink (last visited Apr. 1, 2015).) Because SCAQMD already requires new or modified stationary sources of toxic air contaminants to use the best available control technology for toxics and to keep their risks below specified levels, (SCAQMD Rule 1401, *supra*, note 15), the greatest opportunity to further mitigate toxic impacts through the CEQA process is by reducing emissions—particularly diesel emissions—from vehicles.

II. THIS COURT SHOULD NOT SET A HARD-AND-FAST RULE CONCERNING THE EXTENT TO WHICH AN EIR MUST CORRELATE A PROJECT’S EMISSION OF POLLUTANTS WITH RESULTING HEALTH IMPACTS.

Numerous cases hold that courts do not review the correctness of an EIR’s conclusions but rather its sufficiency as an informative document. (*Laurel Heights 1*, *supra*, 47 Cal.3d at p. 392; *Citizens of Goleta Valley v.*

Bd. of Supervisors (1990) 52 Cal.3d 553, 569; *Bakersfield Citizens for Local Control v. City of Bakersfield* (2004) 124 Cal.App.4th 1184, 1197.)

As stated by the Court of Appeal in this case, where an EIR has addressed a topic, but the petitioner claims that the information provided about that topic is insufficient, courts must “draw[] a line that divides *sufficient* discussions from those that are *insufficient*.” (*Sierra Club v. County of Fresno* (2014) 226 Cal.App.4th 704 (superseded by grant of review) 172 Cal.Rptr.3d 271, 290.) The Court of Appeal readily admitted that “[t]he terms themselves – sufficient and insufficient – provide little, if any, guidance as to where the line should be drawn. They are simply labels applied once the court has completed its analysis.” (*Id.*)

The CEQA Guidelines, however, provide guidance regarding what constitutes a sufficient discussion of impacts. Section 15151 states that “the sufficiency of an EIR is to be reviewed in light of what is reasonably feasible.” Case law reflects this: “Analysis of environmental effects need not be exhaustive, but will be judged in light of what was reasonably feasible.” (*Association of Irrigated Residents v. County of Madera, supra*, 107 Cal.App.4th at p. 1390; see also CEQA Guidelines § 15204(a).)

Applying this test, this Court cannot realistically establish a hard-and-fast rule that an analysis correlating air pollution impacts of a project to quantified resulting health impacts is always required, or indeed that it is never required. Simply put, in some cases such an analysis will be “feasible”; in some cases it will not.

For example, air pollution control districts often require a proposed new source of toxic air contaminants to prepare a “health risk assessment” before issuing a permit to construct. District rules often limit the allowable cancer risk the new source may cause to the “maximally exposed individual” (worker and residence exposures). (See, e.g., SCAQMD Rule 1401(c)(8); 1401(d)(1), *supra* note 15.) In order to perform this analysis, it

is necessary to have data regarding the sources and types of air toxic contaminants, location of emission points, velocity of emissions, the meteorology and topography of the area, and the location of receptors (worker and residence). (SCAQMD, *Supplemental Guidelines for Preparing Risk Assessments for the Air Toxics "Hot Spots" Information and Assessment Act (AB2588)*, pp. 11-16; (last visited Apr. 1, 2015) [http://www.aqmd.gov/home/library/documents-support-material](http://www.aqmd.gov/home/library/documents-support-material;); "Guidelines" hyperlink; AB2588; then follow AB2588 Risk Assessment Guidelines hyperlink.)

Thus, it is feasible to determine the health risk posed by a new gas station locating at an intersection in a mixed use area, where receptor locations are known. On the other hand, it may not be feasible to perform a health risk assessment for airborne toxics that will be emitted by a generic industrial building that was built on "speculation" (i.e., without knowing the future tenant(s)). Even where a health risk assessment can be prepared, however, the resulting maximum health risk value is only a calculation of risk—it does not necessarily mean anyone will contract cancer as a result of the project.

In order to find the "cancer burden" or expected additional cases of cancer resulting from the project, it is also necessary to know the numbers and location of individuals living within the "zone of impact" of the project: i.e., those living in areas where the projected cancer risk from the project exceeds one in a million. (SCAQMD, Health Risk Assessment Summary form, <http://www.aqmd.gov/home/forms>; filter by "AB2588" category; then "Health Risk Assessment" hyperlink (last visited Apr. 1, 2015).) The affected population is divided into bands of those exposed to at least 1 in a million risk, those exposed to at least 10 in a million risk, etc. up to those exposed at the highest levels. (*Id.*) This data allows agencies to calculate an approximate number of additional cancer cases expected from

the project. However, it is not possible to predict which particular individuals will be affected.

For the so-called criteria pollutants⁵, such as ozone, it may be more difficult to quantify health impacts. Ozone is formed in the atmosphere from the chemical reaction of the nitrogen oxides (NO_x) and volatile organic compounds (VOC) in the presence of sunlight. (U.S. EPA, Ground Level Ozone, <http://www.epa.gov/airquality/ozonepollution/> (last updated Mar. 25, 2015).) It takes time and the influence of meteorological conditions for these reactions to occur, so ozone may be formed at a distance downwind from the sources. (U.S. EPA, *Guideline on Ozone Monitoring Site Selection* (Aug. 1998) EPA-454/R-98-002 § 5.1.2, <http://www.epa.gov/ttnamti1/archive/cpreldoc.html> (last visited Apr. 1, 2015).) NO_x and VOC are known as “precursors” of ozone.

Scientifically, health effects from ozone are correlated with increases in the ambient level of ozone in the air a person breathes. (U.S. EPA, *Health Effects of Ozone in the General Population*, Figure 9, <http://www.epa.gov/apti/ozonehealth/population.html#levels> (last visited Apr. 1, 2015).) However, it takes a large amount of additional precursor emissions to cause a modeled increase in ambient ozone levels over an entire region. For example, the SCAQMD's 2012 AQMP showed that reducing NO_x by 432 tons per day (157,680 tons/year) and reducing VOC by 187 tons per day (68,255 tons/year) would reduce ozone levels at the SCAQMD's monitor site with the highest levels by only 9 parts per billion. (South Coast Air Quality Management District, *Final 2012 AQMP* (February 2013), <http://www.aqmd.gov/home/library/clean-air-plans/air-quality-mgt-plan/final-2012-air-quality-management-plan>; then follow “Appendix V: Modeling & Attainment Demonstrations” hyperlink,

⁵ See discussion of types of pollutants, *supra*, Part I.A.

pp. v-4-2, v-7-4, v-7-24.) SCAQMD staff does not currently know of a way to accurately quantify ozone-related health impacts caused by NO_x or VOC emissions from relatively small projects.

On the other hand, this type of analysis may be feasible for projects on a regional scale with very high emissions of NO_x and VOCs, where impacts are regional. For example, in 2011 the SCAQMD performed a health impact analysis in its CEQA document for proposed Rule 1315, which authorized various newly-permitted sources to use offsets from the districts “internal bank” of emission reductions. This CEQA analysis accounted for essentially *all* the increases in emissions due to new or modified sources in the District between 2010 and 2030.⁶ The SCAQMD was able to correlate this very large emissions increase (e.g., 6,620 pounds per day NO_x (1,208 tons per year), 89,180 pounds per day VOC (16,275 tons per year)) to expected health outcomes from ozone and particulate matter (e.g., 20 premature deaths per year and 89,947 school absences in the year 2030 due to ozone).⁷ (SCAQMD Governing Board Agenda, February 4, 2011, Agenda Item 26, *Assessment for: Re-adoption of Proposed Rule 1315 – Federal New Source Review Tracking System* (see hyperlink in fn 6) at p. 4.1-35, Table 4.1-29.)

⁶ (SCAQMD Governing Board Agenda, February 4, 2011, Agenda Item 26, Attachment G, *Assessment for: Re-adoption of Proposed Rule 1315 – Federal New Source Review Tracking System, Vol. 1, p.4.0-6*, <http://www.aqmd.gov/home/library/meeting-agendas-minutes/agenda?title=governing-board-meeting-agenda-february-4-2011>; the follow “26. Adopt Proposed Rule 1315 – Federal New Source Review Tracking System” (last visited April 1, 2015).)

⁷ The SCAQMD was able to establish the location of future NO_x and VOC emissions by assuming that new projects would be built in the same locations and proportions as existing stationary sources. This CEQA document was upheld by the Los Angeles County Superior Court in *Natural Res. Def. Council v SCAQMD*, Los Angeles Superior Court No. BS110792).

However, a project emitting only 10 tons per year of NO_x or VOC is small enough that its regional impact on ambient ozone levels may not be detected in the regional air quality models that are currently used to determine ozone levels. Thus, in this case it would not be feasible to directly correlate project emissions of VOC or NO_x with specific health impacts from ozone. This is in part because ozone formation is not linearly related to emissions. Ozone impacts vary depending on the location of the emissions, the location of other precursor emissions, meteorology and seasonal impacts, and because ozone is formed some time later and downwind from the actual emission. (EPA Guideline on Ozone Monitoring Site Selection (Aug. 1998) EPA-454/R-98-002, § 5.1.2; <https://www.epa.gov/ttnamti1/archive/cpreldoc.html>; then search “Guideline on Ozone Monitoring Site Selection” click on pdf) (last viewed Apr. 1, 2015).)

SCAQMD has set its CEQA “significance” threshold for NO_x and VOC at 10 tons per year (expressed as 55 lb/day). (SCAQMD, *Air Quality Analysis Handbook*, <http://www.aqmd.gov/home/regulations/ceqa/air-quality-analysis-handbook>; then follow “SCAQMD Air Quality Significance Thresholds” hyperlink (last visited Apr. 1, 2015).) This is because the federal Clean Air Act defines a “major” stationary source for “extreme” ozone nonattainment areas such as SCAQMD as one emitting 10 tons/year. (42 U.S.C. §§ 7511a(e), 7511a(f); CAA §§ 182(e), 182(f).) Under the Clean Air Act, such sources are subject to enhanced control requirements (42 U.S.C. §§ 7502(c)(5), 7503; CAA §§ 172(c)(5), 173), so SCAQMD decided this was an appropriate threshold for making a CEQA “significance” finding and requiring feasible mitigation. Essentially, SCAQMD takes the position that a source that emits 10 tons/year of NO_x or VOC would contribute cumulatively to ozone formation. Therefore, lead agencies that use SCAQMD’s thresholds of significance may determine

that many projects have “significant” air quality impacts and must apply all feasible mitigation measures, yet will not be able to precisely correlate the project to quantifiable health impacts, unless the emissions are sufficiently high to use a regional modeling program.

In the case of particulate matter (PM_{2.5})⁸, another “criteria” pollutant, SCAQMD staff is aware of two possible methods of analysis. SCAQMD used regional modeling to predict expected health impacts from its proposed Rule 1315, as mentioned above. Also, the California Air Resources Board (CARB) has developed a methodology that can predict expected mortality (premature deaths) from large amounts of PM_{2.5}. (California Air Resources Board, *Health Impacts Analysis: PM Premature Death Relationship*, http://www.arb.ca.gov/research/health/pm-mort/pm-mort_arch.htm (last reviewed Jan. 19, 2012).) SCAQMD used the CARB methodology to predict impacts from three very large power plants (e.g., 731-1837 lbs/day). (Final Environmental Assessment for Rule 1315, *supra*, pp 4.0-12, 4.1-13, 4.1-37 (e.g., 125 premature deaths in the entire SCAQMD in 2030), 4.1-39 (0.05 to 1.77 annual premature deaths from power plants.) Again, this project involved large amounts of additional PM_{2.5} in the District, up to 2.82 tons/day (5,650 lbs/day of PM_{2.5}, or, or 1029 tons/year. (*Id.* at table 4.1-4, p. 4.1-10.)

However, the primary author of the CARB methodology has reported that this PM_{2.5} health impact methodology is not suited for small projects and may yield unreliable results due to various uncertainties.⁹ (SCAQMD, *Final Subsequent Mitigated Negative Declaration for: Warren*

⁸ SCAQMD has not attained the latest annual or 24-hour national ambient air quality standards for “PM_{2.5}” or particulate matter less than 2.5 microns in diameter.

⁹ Among these uncertainties are the representativeness of the population used in the methodology, and the specific source of PM and the corresponding health impacts. (*Id.* at p. 2-24.)

E&P, Inc. WTU Central Facility, New Equipment Project (certified July 19, 2011), <http://www.aqmd.gov/home/library/documents-support-material/lead-agency-permit-projects/permit-project-documents---year-2011>; then follow “Final Subsequent Mitigated Negative Declaration for Warren E&P Inc. WTU Central Facility, New Equipment Project” hyperlink, pp. 2-22, 2-23 (last visited Apr. 1, 2015).) Therefore, when SCAQMD prepared a CEQA document for the expansion of an existing oil production facility, with very small PM_{2.5} increases (3.8 lb/day) and a very small affected population, staff elected not to use the CARB methodology for using estimated PM_{2.5} emissions to derive a projected premature mortality number and explained why it would be inappropriate to do so. (*Id.* at pp 2-22 to 2-24.) SCAQMD staff concluded that use of this methodology for such a small source could result in unreliable findings and would not provide meaningful information. (*Id.* at pp. 2-23, 2-25.) This CEQA document was not challenged in court.

In the above case, while it may have been technically possible to plug the data into the methodology, the results would not have been reliable or meaningful. SCAQMD believes that an agency should not be required to perform analyses that do not produce reliable or meaningful results. This Court has already held that an agency may decline to use even the “normal” “existing conditions” CEQA baseline where to do so would be misleading or without informational value. (*Neighbors for Smart Rail v. Exposition Metro Line* (2013) 57 Cal.4th 439, 448, 457.) The same should be true for a decision that a particular study or analysis would not provide reliable or meaningful results.¹⁰

¹⁰ Whether a particular study would result in “informational value” is a part of deciding whether it is “feasible.” CEQA defines “feasible” as “capable of being accomplished in a successful manner within a reasonable period of time, taking into account economic, environmental, social, and

Therefore, it is not possible to set a hard-and-fast rule on whether a correlation of air quality impacts with specific quantifiable health impacts is required in all cases. Instead, the result turns on whether such an analysis is reasonably feasible in the particular case.¹¹ Moreover, what is reasonably feasible may change over time as scientists and regulatory agencies continually seek to improve their ability to predict health impacts. For example, CARB staff has been directed by its Governing Board to reassess and improve the methodology for estimating premature deaths. (California Air Resources Board, *Health Impacts Analysis: PM Mortality Relationship*, <http://www.arb.ca.gov/research/health/pm-mort/pm-mort.htm> (last reviewed Dec. 29, 2010).) This factor also counsels against setting any hard-and-fast rule in this case.

III. THE QUESTION OF WHETHER AN EIR CONTAINS SUFFICIENT ANALYSIS TO MEET CEQA'S REQUIREMENTS IS A MIXED QUESTION OF FACT AND LAW GOVERNED BY TWO DIFFERENT STANDARDS OF REVIEW.

A. Standard of Review for Feasibility Determination and Sufficiency as an Informative Document

A second issue in this case is whether courts should review an EIR's informational sufficiency under the "substantial evidence" test as argued by Friant Ranch or the "independent judgment" test as argued by Sierra Club.

technological factors." (Pub. Resources Code § 21061.1.) A study cannot be "accomplished in a *successful* manner" if it produces unreliable or misleading results.

¹¹ In this case, the lead agency did not have an opportunity to determine whether the requested analysis was feasible because the comment was non-specific. Therefore, SCAQMD suggests that this Court, after resolving the legal issues in the case, direct the Court of Appeal to remand the case to the lead agency for a determination of whether the requested analysis is feasible. Because Fresno County, the lead agency, did not seek review in this Court, it seems likely that the County has concluded that at least some level of correlation of air pollution with health impacts is feasible.

As this Court has explained, “a reviewing court must adjust its scrutiny to the nature of the alleged defect, depending on whether the claim is predominantly one of improper procedure or a dispute over the facts.” (*Vineyard Area Citizens v. City of Rancho Cordova*, *supra*, 40 Cal.4th at 435.) For questions regarding compliance with proper procedure or other legal questions, courts review an agency’s action de novo under the “independent judgment” test. (*Id.*) On the other hand, courts review factual disputes only for substantial evidence, thereby “accord[ing] greater deference to the agency’s substantive factual conclusions.” (*Id.*)

Here, Friant Ranch and Sierra Club agree that the case involves the question of whether an EIR includes sufficient information regarding a project’s impacts. However, they disagree on the proper standard of review for answering this question: Sierra Club contends that courts use the independent judgment standard to determine whether an EIR’s analysis is sufficient to meet CEQA’s informational purposes,¹² while Friant Ranch contends that the substantial evidence standard applies to this question.

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¹² Sierra Club acknowledges that courts use the substantial evidence standard when reviewing predicate factual issues, but argues that courts ultimately decide as a matter of law what CEQA requires. (Answering Brief, pp. 14, 23.)

SCAQMD submits that the issue is more nuanced than either party contends. We submit that, whether a CEQA document includes sufficient analysis to satisfy CEQA's informational mandates is a mixed question of fact and law,¹³ containing two levels of inquiry that should be judged by different standards.¹⁴

The state CEQA Guidelines set forth standards for the adequacy of environmental analysis. Guidelines Section 15151 states:

An EIR should be prepared with a sufficient degree of analysis to provide decision makers with information which enables them to make a decision which intelligently takes account of environmental consequences. An evaluation of the environmental effects of a proposed project need not be exhaustive, but the sufficiency of an EIR is to be reviewed in light of what is reasonably feasible. Disagreement among experts does not make an EIR inadequate, but the EIR should summarize the main points of disagreement among the experts. The courts have looked not for perfection, but for adequacy, completeness, and a good-faith effort at full disclosure.

In this case, the basic question is whether the underlying analysis of air quality impacts made the EIR "sufficient" as an informative document. However, whether the EIR's analysis was sufficient is judged in light of what was reasonably feasible. This represents a mixed question of fact and law that is governed by two different standards of review.

¹³ Friant Ranch actually states that the claim that an EIR lacks sufficient relevant information is, "most properly thought of as raising mixed questions of fact and law." (Opening Brief, p. 27.) However, the remainder of its argument claims that the court should apply the substantial evidence standard of review to all aspects of the issue.

¹⁴ Mixed questions of fact and law issues may implicate predominantly factual subordinate questions that are reviewed under the substantial evidence test even though the ultimate question may be reviewed by the independent judgment test. *Crocker National Bank v. City and County of San Francisco* (1989) 49 Cal.3d 881, 888-889.

SCAQMD submits that an EIR's sufficiency as an informational document is ultimately a legal question that courts should determine using their independent judgment. This Court's language in *Laurel Heights I* supports this position. As this Court explained: "The court does not pass upon the correctness of the EIR's environmental conclusions, but only upon its *sufficiency as an informative document*." (*Laurel Heights I, supra*, 47 Cal.3d at 392-393) (emphasis added.) As described above, the Court in *Vineyard Area Citizens v. City of Rancho Cordova, supra*, 40 Cal.4th at 431, also used its independent judgment to determine what level of analysis CEQA requires for water supply impacts. The Court did not defer to the lead agency's opinion regarding the law's requirements; rather, it determined for itself what level of analysis was necessary to meet "[t]he law's informational demands." (*Id.* at p. 432.) Further, existing case law also holds that where an agency fails to comply with CEQA's information disclosure requirements, the agency has "failed to proceed in the manner required by law." (*Save Our Peninsula Comm. v. Monterey County Bd. of Supervisors* (2001) 87 Cal.App.4th 99, 118.)

However, whether an EIR satisfies CEQA's requirements depends in part on whether it was reasonably feasible for an agency to conduct additional or more thorough analysis. EIRs must contain "a detailed statement" of a project's impacts (Pub. Res. Code § 21061), and an agency must "use its best efforts to find out and disclose all that it reasonably can." (CEQA Guidelines § 15144.) Nevertheless, "the sufficiency of an EIR is to be reviewed in light of what is reasonably feasible." (CEQA Guidelines § 15151.)

SCAQMD submits that the question of whether additional analysis or a particular study suggested by a commenter is "feasible" is generally a question of fact. Courts have already held that whether a particular alternative is "feasible" is reviewed by the substantial evidence test.

(*Uphold Our Heritage v. Town of Woodside* (2007) 147 Cal.App.4th 587, 598-99; *Center for Biological Diversity v. County of San Bernardino* (2010) 185 Cal.App.4th 866, 883.) Thus, if a lead agency determines that a particular study or analysis is infeasible, that decision should generally be judged by the substantial evidence standard. However, SCAQMD urges this Court to hold that lead agencies must explain the basis of any determination that a particular analysis is infeasible in the EIR itself. An EIR must discuss information, including issues related to the feasibility of particular analyses “in sufficient detail to enable meaningful participation and criticism by the public. ‘[W]hatever is required to be considered in an EIR must be in that formal report; what any official might have known from other writings or oral presentations cannot supply what is lacking in the report.’” (*Laurel Heights I, supra*, 47 Cal.3d at p. 405 (quoting *Santiago County Water District v. County of Orange* (1981) 118 Cal.App.3d 818, 831) (discussing analysis of alternatives).) The evidence on which the determination is based should also be summarized in the EIR itself, with appropriate citations to reference materials if necessary. Otherwise commenting agencies such as SCAQMD would be forced to guess where the lead agency's evidence might be located, thus thwarting effective public participation.

Moreover, if a lead agency determines that a particular study or analysis would not result in reliable or useful information and for that reason is not feasible, that determination should be judged by the substantial evidence test. (See *Neighbors for Smart Rail v. Exposition Metro Line Construction Authority, supra*, 57 Cal.4th 439, 448, 457:

whether “existing conditions” baseline would be misleading or uninformative judged by substantial evidence standard.¹⁵)

If the lead agency’s determination that a particular analysis or study is not feasible is supported by substantial evidence, then the agency has not violated CEQA’s information disclosure provisions, since it would be infeasible to provide additional information. This Court’s decisions provide precedent for such a result. For example, this Court determined that the issue of whether the EIR should have included a more detailed discussion of future herbicide use was resolved because substantial evidence supported the agency’s finding that “the precise parameters of future herbicide use could not be predicted.” *Ebbetts Pass Forest Watch v. California Dept. of Forestry & Fire Protection* (2008) 43 Cal.4th 936, 955.

Of course, SCAQMD expects that courts will continue to hold lead agencies to their obligations to consult with, and not to ignore or misrepresent, the views of sister agencies having special expertise in the area of air quality. (*Berkeley Keep Jets Over the Bay v. Board of Port Commissioners* (2007) 91 Cal.App.4th 1344, 1364 n.11.) In some cases, information provided by such expert agencies may establish that the purported evidence relied on by the lead agency is not in fact “substantial”. (*Id.* at pp. 1369-1371.)

In sum, courts retain ultimate responsibility to determine what CEQA requires. However, the law does not require exhaustive analysis, but only what is reasonably feasible. Agencies deserve deference for their factual determinations regarding what type of analysis is reasonably feasible. On the other hand, if a commenter requests more information, and the lead agency declines to provide it but does *not* determine that the

¹⁵ The substantial evidence standard recognizes that the courts “have neither the resources nor the scientific expertise” to weigh conflicting evidence on technical issues. (*Laurel Heights I, supra*, 47 Cal.3d 376, 393.)

requested study or analysis would be infeasible, misleading or uninformative, the question becomes whether the omission of that analysis renders the EIR inadequate to satisfy CEQA's informational purposes. (*Id.* at pp. 1370-71.) Again, this is predominantly a question of law and should be judged by the de novo or independent judgment standard of review. Of course, this Court has recognized that a "project opponent or reviewing court can always imagine some additional study or analysis that might provide helpful information. It is not for them to design the EIR. That further study...might be helpful does not make it necessary." (*Laurel Heights I, supra*, 47 Cal.3d 376, 415 – see also CEQA Guidelines § 15204(a) [CEQA "does not require a lead agency to conduct every test. . . recommended or demanded by commenters."].) Courts, then, must adjudicate whether an omission of particular information renders an EIR inadequate to serve CEQA's informational purposes.¹⁶

¹⁶ We recognize that there is case law stating that the substantial evidence standard applies to "challenges to the scope of an EIR's analysis of a topic" as well as the methodology used and the accuracy of the data relied on in the document "because these types of challenges involve factual questions." (*Bakersfield Citizens for Local Control v. City of Bakersfield, supra*, 124 Cal.App.4th 1184, 1198, and cases relied on therein.) However, we interpret this language to refer to situations where the question of the scope of the analysis really is factual—that is, where it involves whether further analysis is feasible, as discussed above. This interpretation is supported by the fact that the *Bakersfield* court expressly rejected an argument that a claimed "omission of information from the EIR should be treated as inquiries whether there is substantial evidence supporting the decision approving the project." *Bakersfield, supra*, 124 Cal.App.4th at p. 1208. And the *Bakersfield* court ultimately decided that the lead agency must analyze the connection between the identified air pollution impacts and resulting health impacts, even though the EIR already included some discussion of air-pollution-related respiratory illnesses. *Bakersfield, supra*, 124 Cal.App.4th at p. 1220. Therefore, the court must not have interpreted this question as one of the "scope of the analysis" to be judged by the substantial evidence standard.

B. Friant Ranch's Rationale for Rejecting the Independent Judgment Standard of Review is Unsupported by Case Law.

In its brief, Friant Ranch makes a distinction between cases where a required CEQA topic is not discussed at all (to be reviewed by independent judgment as a failure to proceed in the manner required by law) and cases where a topic is discussed, but the commenter claims the information provided is insufficient (to be judged by the substantial evidence test). (Opening Brief, pp. 13-17.) The Court of Appeal recognized these two types of cases, but concluded that both raised questions of law. (*Sierra Club v. County of Fresno* (2014) 226 Cal.App.4th 704 (superseded by grant of review) 172 Cal.Rptr.3d 271, 290.) We believe the distinction drawn by Friant Ranch is unduly narrow, and inconsistent with cases which have concluded that CEQA documents are insufficient. In many instances, CEQA's requirements are stated broadly, and the courts must interpret the law to determine what level of analysis satisfies CEQA's mandate for providing meaningful information, even though the EIR discusses the issue to some extent.

For example, the CEQA Guidelines require discussion of the existing environmental baseline. In *County of Amador v. El Dorado County Water Agency* (1999) 76 Cal.App.4th 931, 954-955, the lead agency had discussed the environmental baseline by describing historic month-end water levels in the affected lakes. However, the court held that this was not an adequate baseline discussion because it failed to discuss the timing and amounts of past actual water releases, to allow comparison with the proposed project. The court evidently applied the independent judgment test to its decision, even though the agency discussed the issue to some extent.

Likewise, in *Vineyard Area Citizens* (2007) 40 Cal.4th 412, this Court addressed the question of whether an EIR's analysis of water supply impacts complied with CEQA. The parties agreed that the EIR was required to analyze the effects of providing water to the development project, "and that in order to do so the EIR had, in some manner, to identify the planned sources of that water." (*Vineyard Area Citizens, supra*, at p. 428.) However, the parties disagreed as to the level of detail required for this analysis and "what level of uncertainty regarding the availability of water supplies can be tolerated in an EIR" (*Id.*) In other words, the EIR had analyzed water supply impacts for the project, but the petitioner claimed that the analysis was insufficient.

This Court noted that neither CEQA's statutory language or the CEQA Guidelines specifically addressed the question of how precisely an EIR must discuss water supply impacts. (*Id.*) However, it explained that CEQA "states that '[w]hile foreseeing the unforeseeable is not possible, an agency must use its best efforts to find out and disclose all that it reasonably can.'" (*Id.*, [Guidelines § 15144].) The Court used this general principle, along with prior precedent, to elucidate four "principles for analytical adequacy" that are necessary in order to satisfy "CEQA's informational purposes." (*Vineyard Area Citizens, supra*, at p. 430.) The Court did not defer to the agency's determination that the EIR's analysis of water supply impacts was sufficient. Rather, this Court used its independent judgment to determine for itself the level of analysis required to satisfy CEQA's fundamental purposes. (*Vineyard Area Citizens, supra*, at p. 441: an EIR does not serve its purposes where it neglects to explain likely sources of water and "... leaves long term water supply considerations to later stages of the project.")

Similarly, the CEQA Guidelines require an analysis of noise impacts of the project. (Appendix G, “Environmental Checklist Form.”¹⁷) In *Gray v. County of Madera* (2008) 167 Cal.App.4th 1099, 1123, the court held that the lead agency’s noise impact analysis was inadequate even though it had addressed the issue and concluded that the increase would not be noticeable. If the court had been using the substantial evidence standard, it likely would have upheld this discussion.

Therefore, we do not agree that the issue can be resolved on the basis suggested by Friant Ranch, which would apply the substantial evidence standard to *every* challenge to an analysis that addresses a required CEQA topic. This interpretation would subvert the courts’ proper role in interpreting CEQA and determining what the law requires.

Nor do we agree that the Court of Appeal in this case violated CEQA’s prohibition on courts interpreting its provisions “in a manner which imposes procedural or substantive requirements beyond those explicitly stated in this division or in the state guidelines.” (Pub. Resources Code § 21083.1.) CEQA requires an EIR to describe *all* significant impacts of the project on the environment. (Pub. Resources Code § 21100(b)(2); *Vineyard Area Citizens, supra*, at p. 428.) Human beings are part of the environment, so CEQA requires EIRs to discuss a project’s significant impacts on human health. However, except in certain particular circumstances,¹⁸ neither the CEQA statute nor Guidelines specify the precise level of analysis that agencies must undertake to satisfy the law’s requirements. (see, e.g., CEQA Guidelines § 15126.2(a) [EIRs must describe “health and safety problems caused by {a project’s} physical changes”].) Accordingly, courts must interpret CEQA as a whole to

¹⁷ Association of Environmental Professionals, 2015 CEQA Statute and Guidelines (2015) p.287.

¹⁸ E.g., Pub. Resources Code § 21151.8(C)(3)(B)(iii) (requiring specific type of health risk analysis for siting schools).

determine whether a particular EIR is sufficient as an informational document. A court determining whether an EIR's discussion of human health impacts is legally sufficient does not constitute imposing a new substantive requirement.¹⁹ Under Friant Ranch's theory, the above-referenced cases holding a CEQA analysis inadequate would have violated the law. This is not a reasonable interpretation.

IV. COURTS MUST SCRUPULOUSLY ENFORCE THE REQUIREMENTS THAT LEAD AGENCIES CONSULT WITH AND OBTAIN COMMENTS FROM AIR DISTRICTS

Courts must "scrupulously enforce" CEQA's legislatively mandated requirements. (*Vineyard Area Citizens, supra*, 40 Cal.4th 412, 435.) Case law has firmly established that lead agencies must consult with the relevant air pollution control district before conducting an initial study, and must provide the districts with notice of the intention to adopt a negative declaration (or EIR). (*Schenck v. County of Sonoma* (2011) 198 Cal.App.4th 949, 958.) As *Schenck* held, neither publishing the notice nor providing it to the State Clearinghouse was a sufficient substitute for sending notice directly to the air district. (*Id.*) Rather, courts "must be satisfied that [administrative] agencies have fully complied with the procedural requirements of CEQA, since only in this way can the important public purposes of CEQA be protected from subversion." *Schenck*, 198 Cal.App.4th at p. 959 (citations omitted).²⁰

¹⁹ We submit that Public Resources Code Section 21083.1 was intended to prevent courts from, for example, holding that an agency must analyze economic impacts of a project where there are no resulting environmental impacts (see CEQA Guidelines § 15131), or imposing new procedural requirements, such as imposing additional public notice requirements not set forth in CEQA or the Guidelines.

²⁰ Lead agencies must consult air districts, as public agencies with jurisdiction by law over resources affected by the project, *before* releasing an EIR. (Pub. Resources Code §§ 21104(a); 21153.) Moreover, air

Lead agencies should be aware, therefore, that failure to properly seek and consider input from the relevant air district constitutes legal error which may jeopardize their project approvals. For example, the court in *Fall River Wild Trout Foundation v. County of Shasta*, (1999) 70 Cal.App.4th 482, 492 held that the failure to give notice to a trustee agency (Department of Fish and Game) was prejudicial error requiring reversal. The court explained that the lack of notice prevented the Department from providing any response to the CEQA document. (*Id.* at p. 492.) It therefore prevented relevant information from being presented to the lead agency, which was prejudicial error because it precluded informed decision-making. (*Id.*)²¹

districts should be considered “state agencies” for purposes of the requirement to consult with “trustee agencies” as set forth in Public Resources Code § 20180.3(a). This Court has long ago held that the districts are not mere “local agencies” whose regulations are superseded by those of a state agency regarding matters of statewide concern, but rather have concurrent jurisdiction over such issues. (*Orange County Air Pollution Control District v. Public Util. Com.* (1971) 4 Cal.3d 945, 951, 954.) Since air pollution is a matter of statewide concern, *Id.* at 952, air districts should be entitled to trustee agency status in order to ensure that this vital concern is adequately protected during the CEQA process.

²¹ In *Schenck*, the court concluded that failure to give notice to the air district was not prejudicial, but this was partly because the trial court had already corrected the error before the case arrived at the Court of Appeal. The trial court issued a writ of mandate requiring the lead agency to give notice to the air district. The air district responded by concurring with the lead agency that air impacts were not significant. (*Schenck*, 198 Cal.App.4th 949, 960.) We disagree with the *Schenck* court that the failure to give notice to the air district would not have been prejudicial (even in the absence of the trial court writ) merely because the lead agency purported to follow the air district’s published CEQA guidelines for significance. (*Id.*, 198 Cal.App.4th at p. 960.) In the first place, absent notice to the air district, it is uncertain whether the lead agency properly followed those guidelines. Moreover, it is not realistic to expect that an air district’s published guidelines would necessarily fully address all possible air-quality related issues that can arise with a CEQA project, or that those

Similarly, lead agencies must obtain additional information requested by expert agencies, including those with jurisdiction by law, if that information is necessary to determine a project's impacts. (*Sierra Club v. State Bd. Of Forestry* (1994) 7 Cal.4th 1215, 1236-37.) Approving a project without obtaining that information constitutes a failure to proceed in the manner prescribed by CEQA. (*Id.* at p. 1236.)

Moreover, a lead agency can save significant time and money by consulting with the air district early in the process. For example, the lead agency can learn what the air district recommends as an appropriate analysis on the facts of its case, including what kinds of health impacts analysis may be available, and what models are appropriate for use. This saves the lead agency from the need to do its analysis all over again and possibly needing to recirculate the document after errors are corrected, if new significant impacts are identified. (CEQA Guidelines § 15088.5(a).) At the same time, the air district's expert input can help the lead agency properly determine whether another commenter's request for additional analysis or studies is reasonable or feasible. Finally, the air district can provide input on what mitigation measures would be feasible and effective.

Therefore, we suggest that this Court provide guidance to lead agencies reminding them of the importance of consulting with the relevant air districts regarding these issues. Otherwise, their feasibility decisions may be vulnerable to air district evidence that establishes that there is no substantial evidence to support the lead agency decision not to provide specific analysis. (*See Berkeley Keep Jets Over the Bay, supra*, 91 Cal.App.4th 1344, 1369-1371.)

guidelines would necessarily be continually modified to reflect new developments. Therefore we believe that, had the trial court not already ordered the lead agency to obtain the air district's views, the failure to give notice would have been prejudicial, as in *Fall River, supra*, 70 Cal.App.4th 482, 492.

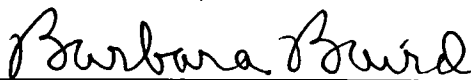
CONCLUSION

The SCAQMD respectfully requests this Court *not* to establish a hard-and-fast rule concerning whether CEQA requires a lead agency to correlate identified air quality impacts of a project with resulting health outcomes. Moreover, the question of whether an EIR is “sufficient as an informational document” is a mixed question of fact and law containing two levels of inquiry. Whether a particular proposed analysis is feasible is predominantly a question of fact to be judged by the substantial evidence standard of review. Where the requested analysis is feasible, but the lead agency relies on legal or policy reasons not to provide it, the question of whether the EIR is nevertheless sufficient as an informational document is predominantly a question of law to be judged by the independent judgment standard of review.

DATED: April 3, 2015

Respectfully submitted,

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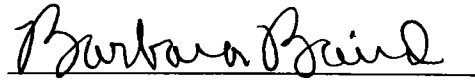
SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

CERTIFICATE OF WORD COUNT

Pursuant to Rule 8.520(c)(1) of the California Rules of Court, I hereby certify that this brief contains 8,476 words, including footnotes, but excluding the Application, Table of Contents, Table of Authorities, Certificate of Service, this Certificate of Word Count, and signature blocks. I have relied on the word count of the Microsoft Word Vista program used to prepare this Certificate.

DATED: April 3, 2015

Respectfully submitted,


Barbara Baird

PROOF OF SERVICE

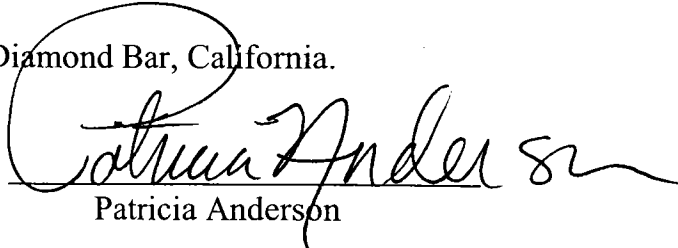
I am employed in the County of Los Angeles, California. I am over the age of 18 years and not a party to the within action. My business address is 21865 Copley Drive, Diamond Bar, California 91765.

On April 3, 2015 I served true copies of the following document(s) described as **APPLICATION OF THE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT FOR LEAVE TO FILE BRIEF OF *AMICUS CURIAE* IN SUPPORT OF NEITHER PARTY AND [PROPOSED] BRIEF OF *AMICUS CURIAE*** by placing a true copy of the foregoing document(s) in a sealed envelope addressed as set forth on the attached service list as follows:

BY MAIL: I enclosed the document(s) in a sealed envelope or package addressed to the persons at the addresses listed in the Service List and placed the envelope for collection and mailing following our ordinary business practices. I am readily familiar with this District's practice for collection and processing of correspondence for mailing. Under that practice, the correspondence would be deposited with the United States Postal Service, with postage thereon fully prepaid at Diamond Bar, California, in the ordinary course of business. I am aware that on motion of the party served, service is presumed invalid if postal cancellation date or postage meter date is more than one day after date of deposit for mailing in affidavit.

I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct.

Executed on April 3, 2015 at Diamond Bar, California.


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APPENDIX B

MOBILE SOURCE HEALTH RISK ASSESSMENT

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San Francisco Avenue

MOBILE SOURCE HEALTH RISK ASSESSMENT

CITY OF LONG BEACH

PREPARED BY:

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AUGUST 18, 2021

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LIST OF ABBREVIATED TERMS

(1)	Reference
µg	Microgram
AERMOD	American Meteorological Society/Environmental Protection Agency Regulatory Model
APS	Auxiliary Power System
AQMD	Air Quality Management District
ARB	Air Resources Board
CEQA	California Environmental Quality Act
CPF	Cancer Potency Factor
DPM	Diesel Particulate Matter
EMFAC	Emission Factor Model
EPA	Environmental Protection Agency
HHD	Heavy Heavy-Duty
HI	Hazard Index
HRA	Health Risk Assessment
LHD	Light Heavy-Duty
MATES	Multiple Air Toxics Exposure Study
MEIR	Maximally Exposed Individual Receptor
MEIW	Maximally Exposed Individual Worker
MHD	Medium Heavy-Duty
NAD	North American Datum
OEHHA	Office of Environmental Health Hazard Assessment
PM10	Particulate Matter 10 microns in diameter or less
Project	San Francisco Avenue
REL	Reference Exposure Level
RM	Recommended Measures
SCAQMD	South Coast Air Quality Management District
SRA	Source Receptor Area
TAC	Toxic Air Contaminant
TA	Traffic Analysis
URF	Unit Risk Factor
UTM	Universal Transverse Mercator
VMT	Vehicle Miles Traveled

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EXECUTIVE SUMMARY

This report evaluates the potential health risk impacts to sensitive receptors (which are residents) and adjacent workers associated with the development of the proposed Project, more specifically, health risk impacts as a result of exposure to Toxic Air Contaminants (TACs) including diesel particulate matter (DPM) as a result of heavy-duty diesel trucks accessing the site. This section summarizes the significance criteria and Project health risks.

The results of the health risk assessment (HRA) of lifetime cancer risk from Project-generated TAC emissions are provided in Table ES-1.

Individual Exposure Scenario:

The residential land use with the greatest potential exposure to Project TAC source emissions is Location R3, which represents the existing residence, at 1153 North Loma Vista Drive, approximately 936 feet southeast of the Project site. Since there are no private outdoor living areas (backyards) facing the Project site, receptor R3 is placed at the building façade. At the maximally exposed individual receptor (MEIR), the maximum incremental cancer risk attributable to Project TAC source emissions is estimated at 0.11 in one million, which is less than the South Coast Air Quality Management District's (SCAQMD's) significance threshold of 10 in one million. At this same location, non-cancer risks were estimated to be <0.01, which would not exceed the applicable significance threshold of 1.0. Because all other modeled residential receptors are exposed to lesser concentrations and are located at a greater distance from the Project site and primary truck route than the MEIR analyzed herein, and TACs generally dissipates with distance from the source, all other residential receptors in the vicinity of the Project site would be exposed to less emissions and therefore less risk than the MEIR identified herein. As such, the Project will not cause a significant human health or cancer risk to nearby residences.

Worker Exposure Scenario:

The worker receptor land use with the greatest potential exposure to Project TAC source emissions is Location R5, which represents the Urban Element Design, Inc. manufacturing facility, at 806 West 14th Street, located approximately 58 feet east of the Project site. R5 is placed at the building façade where a worker could remain for a typical workday. At the maximally exposed individual worker (MEIW), the maximum incremental cancer risk impact is 0.07 in one million which is less than the SCAQMD's threshold of 10 in one million. Maximum non-cancer risks at this same location were estimated to be <0.01, which would not exceed the applicable significance threshold of 1.0. Because all other modeled worker receptors are located at a greater distance than the MEIW analyze herein, and DPM dissipates with distance from the source, all other worker receptors in the vicinity of the Project would be exposed to less emissions and therefore less risk than the MEIW identified herein. As such, the Project will not cause a significant human health or cancer risk to adjacent workers.

School Child Exposure Scenario:

There are no schools located within a ¼ mile of the Project site. As such, there would be no significant impacts that would occur to any schools in the vicinity of the Project.

Proximity to sources of toxics is critical to determining the impact. In traffic-related studies, the additional non-cancer health risk attributable to proximity was seen within 1,000 feet and was strongest within 300 feet. California freeway studies show about a 70-percent drop-off in particulate pollution levels at 500 feet. Based on California Air Resources Board (CARB) and SCAQMD emissions and modeling analyses, an 80-percent drop-off in pollutant concentrations is expected at approximately 1,000 feet from a distribution center (1).

The 1,000-foot evaluation distance is supported by research-based findings concerning Toxic Air Contaminant (TAC) emission dispersion rates from roadways and large sources showing that emissions diminish substantially between 500 and 1,000 feet from emission sources.

For purposes of this assessment, a one-quarter mile radius or 1,320 feet geographic scope is utilized for determining potential impacts to nearby schools. This radius is more robust than, and therefore provides a more health protective scenario for evaluation than the 1,000-foot impact radius identified above.

TABLE ES-1: SUMMARY OF CANCER AND NON-CANCER RISKS

Time Period	Location	Maximum Lifetime Cancer Risk (Risk per Million)	Significance Threshold (Risk per Million)	Exceeds Significance Threshold
30 Year Exposure	Maximum Exposed Individual Receptor	0.11	10	NO
25 Year Exposure	Maximum Exposed Worker Receptor	0.07	10	NO
Time Period	Location	Maximum Hazard Index	Significance Threshold	Exceeds Significance Threshold
Annual Average	Maximum Exposed Sensitive Receptor	<0.01	1.0	NO
Annual Average	Maximum Exposed Worker Receptor	<0.01	1.0	NO

1 INTRODUCTION

The South Coast Air Quality Management District (SCAQMD) typically issues a comment letter on the Notice of Preparation of a CEQA Document. Per the SCAQMD's typical comment letter, if a proposed Project is expected to generate/attract diesel trucks, which emit diesel particulate matter (DPM) or other Toxic Air Contaminants (TACs), preparation of a HRA is necessary. This document serves to meet the SCAQMD's request for preparation of a HRA. This HRA has been prepared in accordance with the document Health Risk Assessment Guidance for Analyzing Cancer Risk from Mobile Source Diesel Idling Emissions for CEQA Air Quality Analysis (2) and is comprised of all relevant and appropriate procedures presented by the United States Environmental Protection Agency (U.S. EPA), California EPA and SCAQMD. Cancer risk is expressed in terms of expected incremental incidence per million population. The SCAQMD has established an incidence rate of ten (10) persons per million as the maximum acceptable incremental cancer risk due to TAC exposure from a project such as the proposed Project. This threshold serves to determine whether or not a given project has a potentially significant development-specific and cumulatively considerable impact.

The AQMD has published a report on how to address cumulative impacts from air pollution: *White Paper on Potential Control Strategies to Address Cumulative Impacts from Air Pollution* (3). In this report the AQMD states (Page D-3):

"...the AQMD uses the same significance thresholds for project specific and cumulative impacts for all environmental topics analyzed in an Environmental Assessment or EIR. The only case where the significance thresholds for project specific and cumulative impacts differ is the Hazard Index (HI) significance threshold for toxic air contaminant (TAC) emissions. The project specific (project increment) significance threshold is $HI > 1.0$ while the cumulative (facility-wide) is $HI > 3.0$. It should be noted that the HI is only one of three TAC emission significance thresholds considered (when applicable) in a CEQA analysis. The other two are the maximum individual cancer risk (MICR) and the cancer burden, both of which use the same significance thresholds (MICR of 10 in 1 million and cancer burden of 0.5) for project specific and cumulative impacts.

Projects that exceed the project-specific significance thresholds are considered by the SCAQMD to be cumulatively considerable. This is the reason project-specific and cumulative significance thresholds are the same. Conversely, projects that do not exceed the project-specific thresholds are generally not considered to be cumulatively significant."

The SCAQMD has also established non-carcinogenic risk parameters for use in HRAs. Non-carcinogenic risks are quantified by calculating a "hazard index," expressed as the ratio between the ambient pollutant concentration and its toxicity or Reference Exposure Level (REL). An REL is a concentration at or below which health effects are not likely to occur. A hazard index less than one (1.0) means that adverse health effects are not expected. In this HRA, non-carcinogenic exposures of less than 1.0 are considered less-than-significant. Both the cancer risk and non-carcinogenic risk thresholds are applied to the nearest sensitive receptors below.

1.1 SITE LOCATION

The proposed Project is located on the southwest corner of San Francisco Avenue and Anaheim Street in the City of Long Beach, as shown on Exhibit 1-A. Existing land uses near the site include nearby residences located east and southeast of the Project site. The Los Angeles River is located to the west of the Project site.

1.2 PROJECT DESCRIPTION

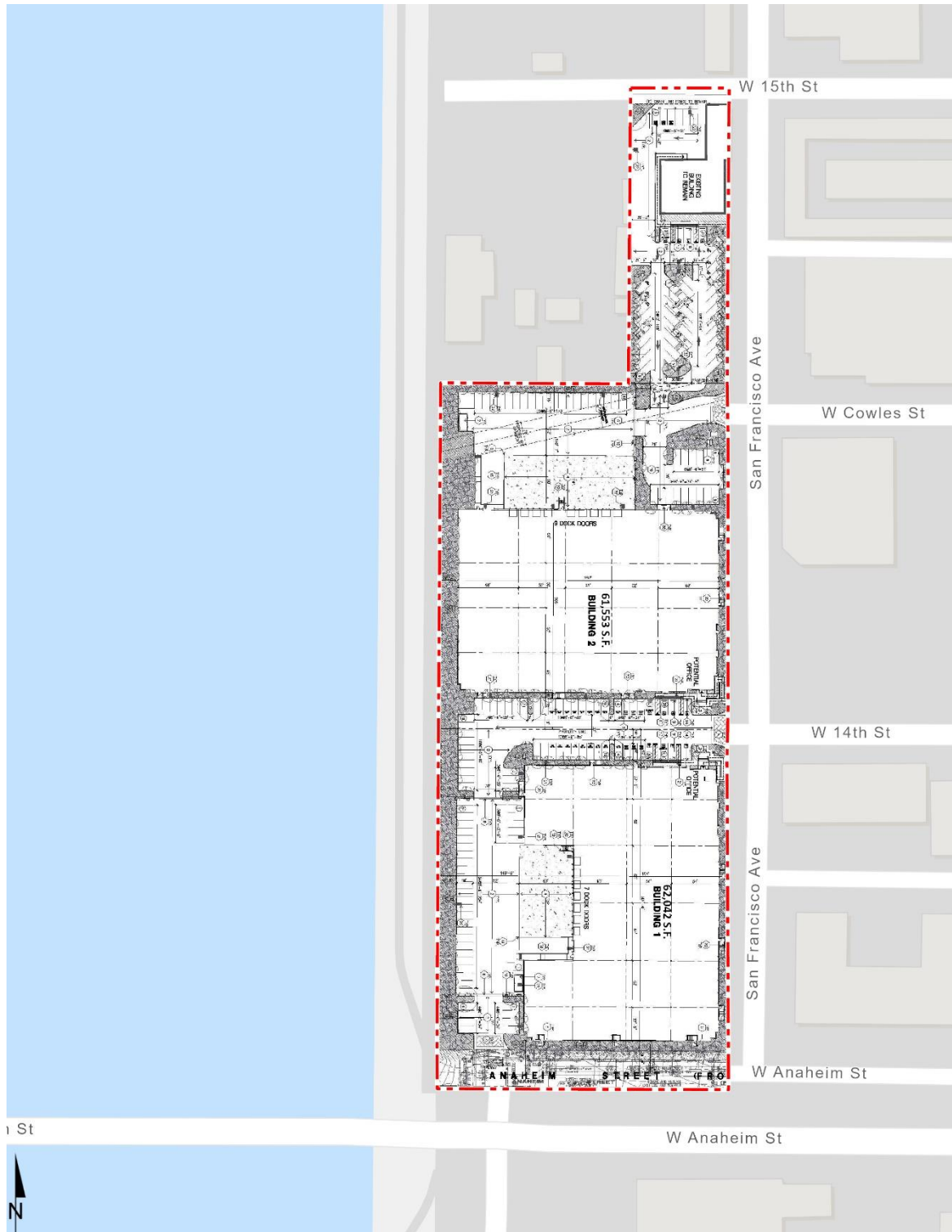
The proposed Project is to consist of two warehouse buildings totaling 123,595 square feet (sf) with Building 1 at 62,042 square feet, Building 2 at 61,553 square feet, and an existing 5,827 square foot building (to remain) as shown on Exhibit 1-B. For the purposes of this assessment, the mix of uses for the Project is assumed to consist of 61,797 square feet of warehousing use (no less than 50% warehousing use anticipated) and 61,798 square feet of general light industrial use (remaining 50% of the total square footage). The Project is anticipated to be open by the year 2022.

As summarized in the *San Francisco Avenue Trip Generation Assessment (TGA)*, the Project is expected to generate approximately 308 two-way vehicular trips (154 inbound and 154 outbound) which includes 26 two-way truck trips per day (13 inbound and 13 outbound) associated with the General Light Industrial land use and approximately 108 two-way vehicular trips (54 inbound and 54 outbound) which includes 30 two-way truck trips per day (15 inbound and 15 outbound) associated with the Warehouse land use (4).

EXHIBIT 1-A: LOCATION MAP



EXHIBIT 1-B: PRELIMINARY SITE PLAN



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2 BACKGROUND

2.1 BACKGROUND ON RECOMMENDED METHODOLOGY

This HRA is based on SCAQMD guidelines to produce conservative estimates of human health risk posed by exposure to DPM. The conservative nature of this analysis is due primarily to the following factors:

- The ARB-adopted diesel exhaust Unit Risk Factor (URF) of 300 in one million per $\mu\text{g}/\text{m}^3$ is based upon the upper 95 percentile of estimated risk for each of the epidemiological studies utilized to develop the URF. Using the 95th percentile URF represents a very conservative (health-protective) risk posed by DPM because it represents breathing rates that are high for the human body (95% higher than the average population).
- The emissions derived assume that every truck accessing the Project site will idle for 15 minutes under the unmitigated scenario, and this is an overestimation of actual idling times and thus conservative.¹ The California Air Resources Board (CARB's) anti-idling requirements impose a 5-minute maximum idling time and therefore the analysis conservatively overestimates DPM emissions from idling by a factor of 3.

2.2 EMISSIONS ESTIMATION

2.2.1 ON-SITE AND OFF-SITE TRUCK ACTIVITY

Vehicle DPM emissions were calculated using emission factors for particulate matter less than $10\mu\text{m}$ in diameter (PM_{10}) generated with the 2017 version of the Emission FACtor model (EMFAC) developed by the CARB. EMFAC 2017 is a mathematical model that CARB developed to calculate emission rates from motor vehicles that operate on highways, freeways, and local roads in California and is commonly used by the ARB to project changes in future emissions from on-road mobile sources (6). The most recent version of this model, EMFAC 2017, incorporates regional motor vehicle data, information and estimates regarding the distribution of vehicle miles traveled (VMT) by speed, and number of starts per day.

Several distinct emission processes are included in EMFAC 2017. Emission factors calculated using EMFAC 2017 are expressed in units of grams per vehicle miles traveled (g/VMT) or grams per idle-hour (g/idle-hr), depending on the emission process. The emission processes and corresponding emission factor units associated with diesel particulate exhaust for this Project are presented below.

For this Project, annual average PM_{10} emission factors were generated by running EMFAC 2017 in EMFAC Mode for vehicles in the Riverside County jurisdiction. The EMFAC Mode generates emission factors in terms of grams of pollutant emitted per vehicle activity and can calculate a matrix of emission factors at specific values of temperature, relative humidity, and vehicle speed.

¹ Although the Project is required to comply with ARB's idling limit of 5 minutes, staff at SCAQMD recommends that the on-site idling emissions should be estimated for 15 minutes of truck idling (personal communication, in person, with Jillian Wong, December 22, 2016), which would take into account on-site idling which occurs while the trucks are waiting to pull up to the truck bays, idling at the bays, idling at check-in and check-out, etc.

The model was run for speeds traveled in the vicinity of the Project. The vehicle travel speeds for each segment modeled are summarized below.

- Idling – on-site loading/unloading and truck gate
- 5 miles per hour – on-site vehicle movement including driving and maneuvering
- 25 miles per hour – off-site vehicle movement including driving and maneuvering.

Calculated emission factors are shown at Table 2-1. As a conservative measure, a 2022 EMFAC 2017 run was conducted and a static 2022 emissions factor data set was used for the entire duration of analysis herein (e.g., 30 years). Use of 2022 emission factors would overstate potential impacts since this approach assumes that emission factors remain “static” and do not change over time due to fleet turnover or cleaner technology with lower emissions that would be incorporated into vehicles after 2022. Additionally, based on EMFAC 2017, Light-Heavy-Duty Trucks are comprised of 38.1% diesel, Medium-Heavy-Duty Trucks are comprised of 81.9% diesel, and Heavy-Heavy-Duty Trucks are comprised of 95.6% diesel. Trucks fueled by diesel are accounted for by these percentages accordingly in the emissions factor generation. Appendix 2.1 includes additional details on the emissions estimates from EMFAC.

The vehicle DPM exhaust emissions were calculated for running exhaust emissions. The running exhaust emissions were calculated by applying the running exhaust PM₁₀ emission factor (g/VMT) from EMFAC over the total distance traveled. The following equation was used to estimate off-site emissions for each of the different vehicle classes comprising the mobile sources (7):

$$\text{Emissions}_{\text{speedA}} \text{ (g/s)} = \text{EF}_{\text{RunExhaust}} \text{ (g/VMT)} * \text{Distance (VMT/trip)} * \text{Number of Trips (trips/day)} / \text{seconds per day}$$

Where:

$\text{Emissions}_{\text{speedA}}$ (g/s): Vehicle emissions at a given speed A;

$\text{EF}_{\text{RunExhaust}}$ (g/VMT): EMFAC running exhaust PM₁₀ emission factor at speed A;

Distance (VMT/trip): Total distance traveled per trip.

Similar to off-site traffic, on-site vehicle running emissions were calculated by applying the running exhaust PM₁₀ emission factor (g/VMT) from EMFAC and the total vehicle trip number over the length of the driving path using the same formula presented above for on-site emissions. In addition, on-site vehicle idling exhaust emissions were calculated by applying the idle exhaust PM₁₀ emission factor (g/idle-hr) from EMFAC and the total truck trip over the total assumed idle time (15 minutes). The following equation was used to estimate the on-site vehicle idling emissions for each of the different vehicle classes (7):

$$\text{Emissions}_{\text{idle}} \text{ (g/s)} = \text{EF}_{\text{idle}} \text{ (g/hr)} * \text{Number of Trips (trips/day)} * \text{Idling Time (min/trip)} * \frac{60 \text{ minutes}}{\text{per hour}} / \text{seconds per day}$$

Where:

Emissions_{idle} (g/s): Vehicle emissions during idling;

EF_{idle} (g/s): EMFAC idle exhaust PM₁₀ emission factor.

TABLE 2-1: 2022 WEIGHTED AVERAGE DPM EMISSIONS FACTORS

Speed	Weighted Average
0 (idling)	0.08122 (g/idle-hr)
5	0.03999 (g/s)
25	0.01781 (g/s)

Each roadway was modeled as a line source (made up of multiple adjacent volume sources). Due to the large number of volume sources modeled for this analysis, the corresponding coordinates of each volume source have not been included in this report but are included in Appendix 2.2. The DPM emission rate for each volume source was calculated by multiplying the emission factor (based on the average travel speed along the roadway) by the number of trips and the distance traveled along each roadway segment and dividing the result by the number of volume sources along that roadway, as illustrated on Table 2-2. The modeled emission sources are illustrated on Exhibit 2-A. The modeling domain is limited to the Project's primary truck route and includes off-site sources in the study area for more than 1 mile. This modeling domain is more inclusive and conservative than using only a ¼ mile modeling domain which is the distance supported by several reputable studies which conclude that the greatest potential risks occur within a ¼ mile of the primary source of emissions (1) (in the case of the Project, the primary source of emissions is the on-site idling and on-site travel).

On-site truck idling was estimated to occur as trucks enter and travel through the Project site. Although the Project's diesel-fueled truck and equipment operators will be required by State law to comply with CARB's idling limit of 5 minutes, staff at SCAQMD recommends that the on-site idling emissions be calculated assuming 15 minutes of truck idling (8), which would take into account on-site idling which occurs while the trucks are waiting to pull up to the truck bays, idling at the bays, idling at check-in and check-out, etc. As such, this analysis calculates truck idling at 15 minutes, consistent with SCAQMD's recommendation.

As summarized in the TGA, the Project is expected to generate a total of approximately 490 two-way vehicular trips per day (245 inbound and 245 outbound) which includes 56 two-way truck trips per day (28 inbound and 28 outbound). DPM-related impacts are associated with diesel exhaust from the 56 two-way truck trips per day generated by the Project (4).

EXHIBIT 2-A: MODELED EMISSION SOURCES

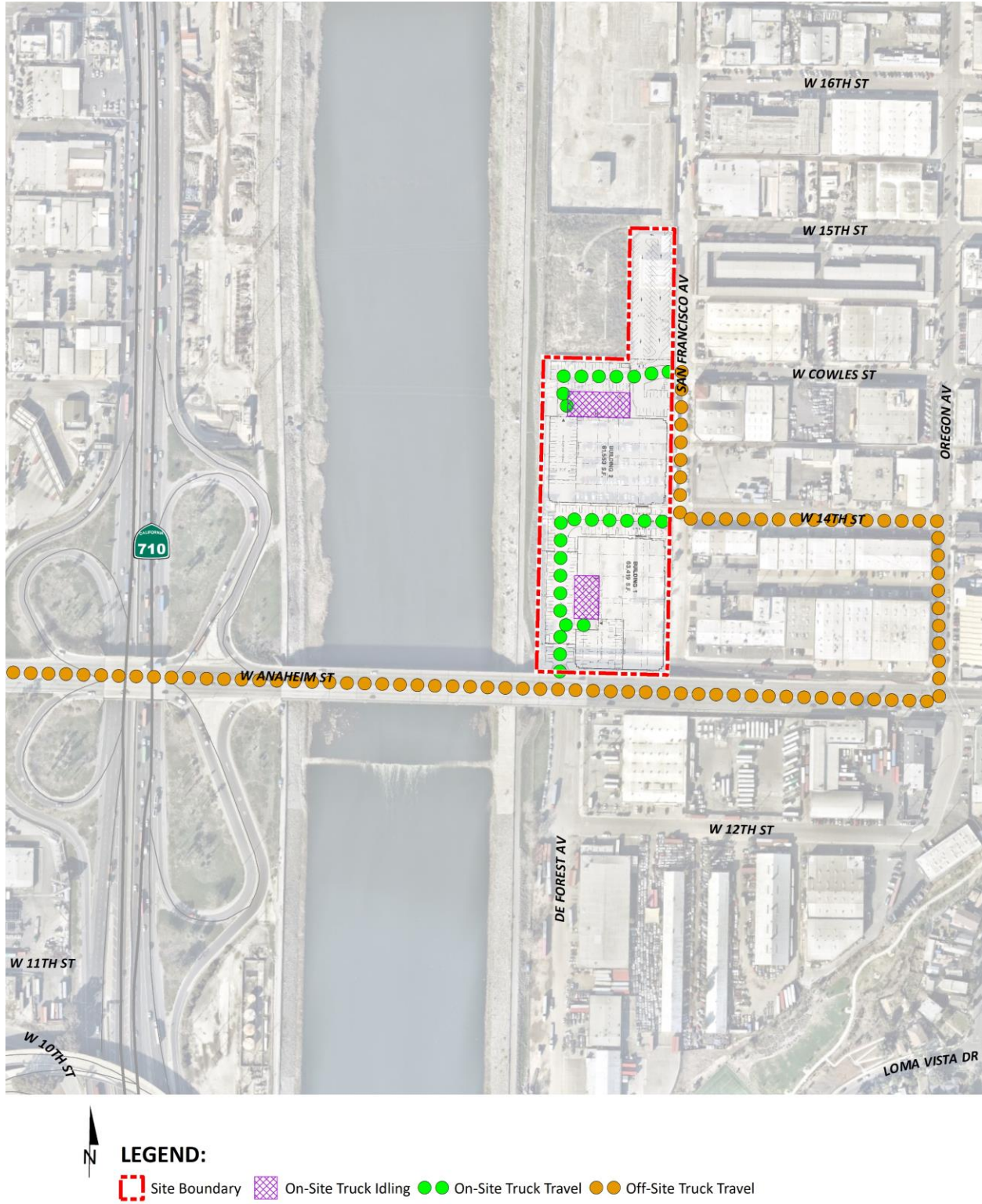


TABLE 2-2: DPM EMISSIONS FROM PROJECT TRUCKS (2022 ANALYSIS YEAR)

Truck Emission Rates						
Source	Trucks Per Day	VMT ^a (miles/day)	Truck Emission Rate ^b (grams/mile)	Truck Emission Rate ^b (grams/idle-hour)	Daily Truck Emissions ^c (grams/day)	Modeled Emission Rates (g/second)
On-Site Idling Building 1	14			0.0812	0.28	3.290E-06
On-Site Idling Building 2	14			0.0812	0.28	3.290E-06
On-Site Travel Building 1	28	3.39	0.0400		0.14	1.568E-06
On-Site Travel Building 2	28	1.84	0.0400		0.07	8.505E-07
Off-Site Travel	56	41.35	0.0178		0.74	8.523E-06

^a Vehicle miles traveled are for modeled truck route only.

^b Emission rates determined using EMFAC 2017. Idle emission rates are expressed in grams per idle hour rather than grams per mile.

^c This column includes the total truck travel and truck idle emissions. For idle emissions this column includes emissions based on the assumption that each truck idles for 15 minutes.

2.3 EXPOSURE QUANTIFICATION

The analysis herein has been conducted in accordance with the guidelines in the Health Risk Assessment Guidance for Analyzing Cancer Risks from Mobile Source Diesel Idling Emissions for CEQA Air Quality Analysis (2). SCAQMD recommends using the Environmental Protection Agency's (U.S. EPA's) AERMOD model. For purposes of this analysis, the Lakes AERMOD View (Version 9.9.0) was used to calculate annual average particulate concentrations associated with site operations. Lakes AERMOD View was utilized to incorporate the U.S. EPA's latest AERMOD Version 19191 (9).

The model offers additional flexibility by allowing the user to assign an initial release height and vertical dispersion parameters for mobile sources representative of a roadway. For this HRA, the roadways were modeled as adjacent volume sources. Roadways were modeled using the U.S. EPA's haul route methodology for modeling of on-site and off-site truck movement. More specifically, the Haul Road Volume Source Calculator in Lakes AERMOD View has been utilized to determine the release height parameters. Based on the US EPA methodology, the Project's modeled sources would result in a release height of 3.49 meters, and an initial lateral dimension of 4.0 meters, and an initial vertical dimension of 3.25 meters.

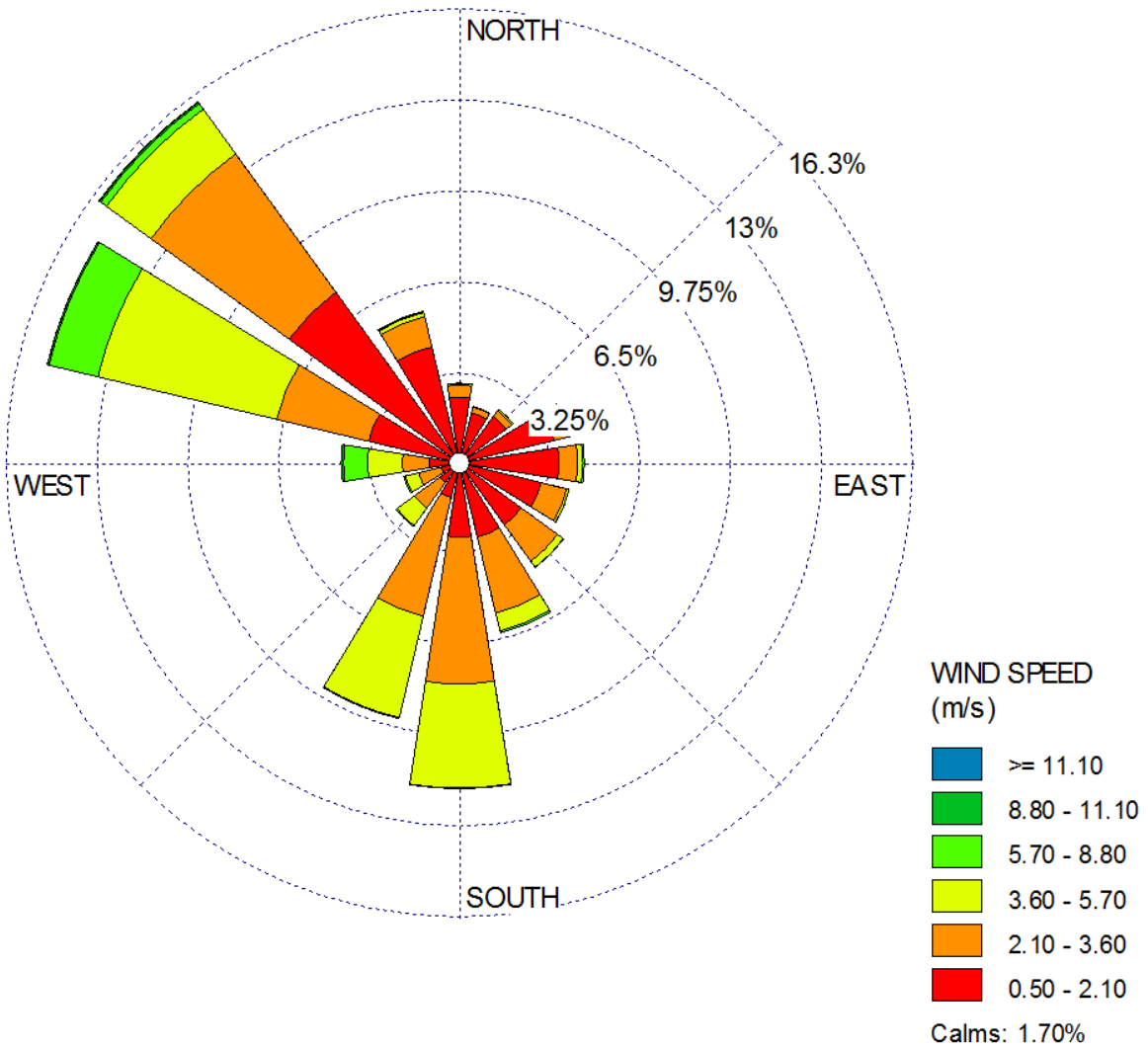
SCAQMD-recommended model parameters are presented in Table 2-3 (10). The model requires additional input parameters including emission data and local meteorology. Meteorological data from the SCAQMD's Long Beach monitoring station (SRA 4) was used to represent local weather conditions and prevailing winds (11). A wind rose exhibit of the Long Beach monitoring station is provided at Exhibit 2-B.

TABLE 2-3: AERMOD MODEL PARAMETERS

Dispersion Coefficient (Urban/Rural)	Urban (Population 9,818,605)
Terrain (Flat/Elevated)	Elevated (Regulatory Default)
Averaging Time	1 year (5-year Meteorological Data Set)
Receptor Height	0 meters (Regulatory Default)

Universal Transverse Mercator (UTM) coordinates for World Geodetic System (WGS) 84 were used to locate the Project site boundaries, each volume source location, and receptor locations in the Project site's vicinity. The AERMOD dispersion model summary output files for the proposed Project are presented in Appendix 2.2. Modeled sensitive receptors were placed at residential and non-residential locations.

EXHIBIT 2-B: WIND ROSE (SRA 4)



Receptors may be placed at applicable structure locations for residential and worker property and not necessarily the boundaries of the properties containing these uses because the human receptors (residents and workers) spend a majority of their time at the residence or in the workplace's building, and not on the property line. It should be noted that the primary purpose of receptor placement is focused on long-term exposure. For example, the HRA evaluates the potential health risks to residents and workers over a period of 30 or 25 years of exposure, respectively. Notwithstanding, as a conservative measure, receptors were placed at either the outdoor living area or the building façade, whichever is closer to the Project site.

For purposes of this HRA, receptors include both residential and non-residential (worker) land uses in the vicinity of the Project. These receptors are included in the HRA since residents and workers may be exposed at these locations over a long-term duration of 30 and 25 years, respectively. This methodology is consistent with SCAQMD and OEHHA recommended guidance.

Any impacts to residents or workers located further away from the Project site than the modeled residential and workers would have a lesser impact than what has already been disclosed in the HRA at the MEIR and MEIW because concentrations dissipate with distance.

Consistent with SCAQMD modeling guidance, all receptors were set to existing elevation height so that only ground-level concentrations are analyzed (12). United States Geological Survey (USGS) Digital Elevation Model (DEM) terrain data based on a 7.5-minute topographic quadrangle map series using AERMAP was utilized in the HRA modeling to set elevations.

Discrete variants for daily breathing rates, exposure frequency, and exposure duration were obtained from relevant distribution profiles presented in the 2015 OEHHA Guidelines. Tables 2-4 and 2-5 summarize the Exposure Parameters for Residents and Workers based on 2015 OEHHA Guidelines. Appendix 2.3 includes the detailed risk calculation.

TABLE 2-4: EXPOSURE ASSUMPTIONS FOR INDIVIDUAL CANCER RISK (30 YEAR RESIDENTIAL)

Age	Daily Breathing Rate (L/kg-day)	Age Specific Factor	Exposure Duration (years)	Fraction of Time at Home	Exposure Frequency (days/year)	Exposure Time (hours/day)
-0.25 to 0	361	10	0.25	0.85	350	24
0 to 2	1090	10	2	0.85	350	24
2 to 16	572	3	14	0.72	350	24
16 to 30	261	1	14	0.73	350	24

TABLE 2-5: EXPOSURE ASSUMPTIONS FOR INDIVIDUAL CANCER RISK (25 YEAR WORKER)

Age	Daily Breathing Rate (L/kg-day)	Age Specific Factor	Exposure Duration (years)	Exposure Frequency (days/year)	Exposure Time (hours/day)
16 to 41	230	1	25	250	12

2.4 CARCINOGENIC CHEMICAL RISK

The SCAQMD CEQA Air Quality Handbook (1993) states that emissions of toxic air contaminants (TACs) are considered significant if a HRA shows an increased risk of greater than 10 in one million. Based on guidance from the SCAQMD in the document Health Risk Assessment Guidance for Analyzing Cancer Risks from Mobile Source Diesel Idling Emissions for CEQA Air Quality Analysis (2), for purposes of this analysis, 10 in one million is used as the cancer risk threshold for the proposed Project.

Excess cancer risks are estimated as the upper-bound incremental probability that an individual will develop cancer over a lifetime as a direct result of exposure to potential carcinogens over a specified exposure duration. The estimated risk is expressed as a unitless probability. The cancer risk attributed to a chemical is calculated by multiplying the chemical intake or dose at the human exchange boundaries (e.g., lungs) by the chemical-specific cancer potency factor (CPF). A risk level of 10 in one million implies a likelihood that up to 10 people, out of one million equally exposed people would contract cancer if exposed continuously (24 hours per day) to the levels of toxic air contaminants over a specified duration of time.

Guidance from CARB and the California Environmental Protection Agency, Office of Environmental Health Hazard Assessment (OEHHA) recommends a refinement to the standard point estimate approach when alternate human body weights and breathing rates are utilized to assess risk for susceptible subpopulations such as children. For the inhalation pathway, the procedure requires the incorporation of several discrete variates to effectively quantify dose. Once determined, contaminant dose is multiplied by the cancer potency factor (CPF) in units of inverse dose expressed in milligrams per kilogram per day (mg/kg/day)⁻¹ to derive the cancer risk estimate. Therefore, to assess exposures, the following dose algorithm was utilized.

$$\text{DOSE}_{\text{air}} = (\text{C}_{\text{air}} \times [\text{BR}/\text{BW}] \times A \times \text{EF}) \times (1 \times 10^{-6})$$

Where:

DOSE _{air}	=	chronic daily intake (mg/kg/day)
C _{air}	=	concentration of contaminant in air (ug/m ³)
[BR/BW] BW-day)	=	daily breathing rate normalized to body weight (L/kg BW-day)
A	=	inhalation absorption factor
EF	=	exposure frequency (days/365 days)
BW	=	body weight (kg)
1 x 10 ⁻⁶	=	conversion factors (ug to mg, L to m ³)
RISK _{air} = DOSE _{air} x CPF x ED/AT		

Where:

DOSE _{air}	=	chronic daily intake (mg/kg/day)
CPF	=	cancer potency factor
ED	=	number of years within particular age group
AT	=	averaging time

2.5 NON-CARCINOGENIC EXPOSURES

An evaluation of the potential noncarcinogenic effects of chronic exposures was also conducted. Adverse health effects are evaluated by comparing a compound's annual concentration with its toxicity factor or Reference Exposure Level (REL). The REL for diesel particulates was obtained from OEHHA for this analysis. The chronic reference exposure level (REL) for DPM was established by OEHHA as 5 µg/m³ (OEHHA Toxicity Criteria Database, <http://www.oehha.org/risk/chemicaldb/index.asp>).

The non-cancer hazard index was calculated (consistent with SCAQMD methodology) as follows:

The relationship for the non-cancer health effects of DPM is given by the following equation:

$$\text{HI}_{\text{DPM}} = \text{C}_{\text{DPM}} / \text{REL}_{\text{DPM}}$$

Where:

HI _{DPM}	=	Hazard Index; an expression of the potential for non-cancer health effects.
C _{DPM}	=	Annual average DPM concentration (µg/m ³).

$REL_{DPM} =$ Reference exposure level (REL) for DPM; the DPM concentration at which no adverse health effects are anticipated.

For purposes of this analysis the hazard index for the respiratory endpoint totaled less than one for all receptors in the project vicinity, and thus is less than significant.

2.6 POTENTIAL PROJECT-RELATED TAC SOURCE CANCER AND NON-CANCER RISKS

Individual Exposure Scenario:

The residential land use with the greatest potential exposure to Project TAC source emissions is Location R3, which represents the existing residence, at 1153 North Loma Vista Drive, approximately 936 feet southeast of the Project site. Since there are no private outdoor living areas (backyards) facing the Project site, receptor R3 is placed at the building façade. At the MEIR, the maximum incremental cancer risk attributable to Project TAC source emissions is estimated at 0.11 in one million, which is less than the SCAQMD's significance threshold of 10 in one million. At this same location, non-cancer risks were estimated to be <0.01, which would not exceed the applicable significance threshold of 1.0. Because all other modeled residential receptors are exposed to lesser concentrations and are located at a greater distance from the Project site and primary truck route than the MEIR analyzed herein, and TACs generally dissipates with distance from the source, all other residential receptors in the vicinity of the Project site would be exposed to less emissions and therefore less risk than the MEIR identified herein. As such, the Project will not cause a significant human health or cancer risk to nearby residences. The nearest modeled receptors are illustrated on Exhibit 2-C.

Worker Exposure Scenario²:

The worker receptor land use with the greatest potential exposure to Project TAC source emissions is Location R5, which represents the Urban Element Design, Inc. manufacturing facility, at 806 West 14th Street, located approximately 58 feet east of the Project site. R5 is placed at the building façade where a worker could remain for a typical workday. At the MEIW, the maximum incremental cancer risk impact is 0.07 in one million which is less than the SCAQMD's threshold of 10 in one million. Maximum non-cancer risks at this same location were estimated to be <0.01, which would not exceed the applicable significance threshold of 1.0. Because all other modeled worker receptors are located at a greater distance than the MEIW analyze herein, and DPM dissipates with distance from the source, all other worker receptors in the vicinity of the Project would be exposed to less emissions and therefore less risk than the MEIW identified herein. As such, the Project will not cause a significant human health or cancer risk to adjacent workers. The nearest modeled receptors are illustrated on Exhibit 2-C.

2 SCAQMD guidance does not require assessment of the potential health risk to on-site workers. Excerpts from the document OEHHA Air Toxics Hot Spots Program Risk Assessment Guidelines—The Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments (OEHHA 2003), also indicate that it is not necessary to examine the health effects to on-site workers unless required by RCRA (Resource Conservation and Recovery Act) / CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act) or the worker resides on-site.

School Child Exposure Scenario:

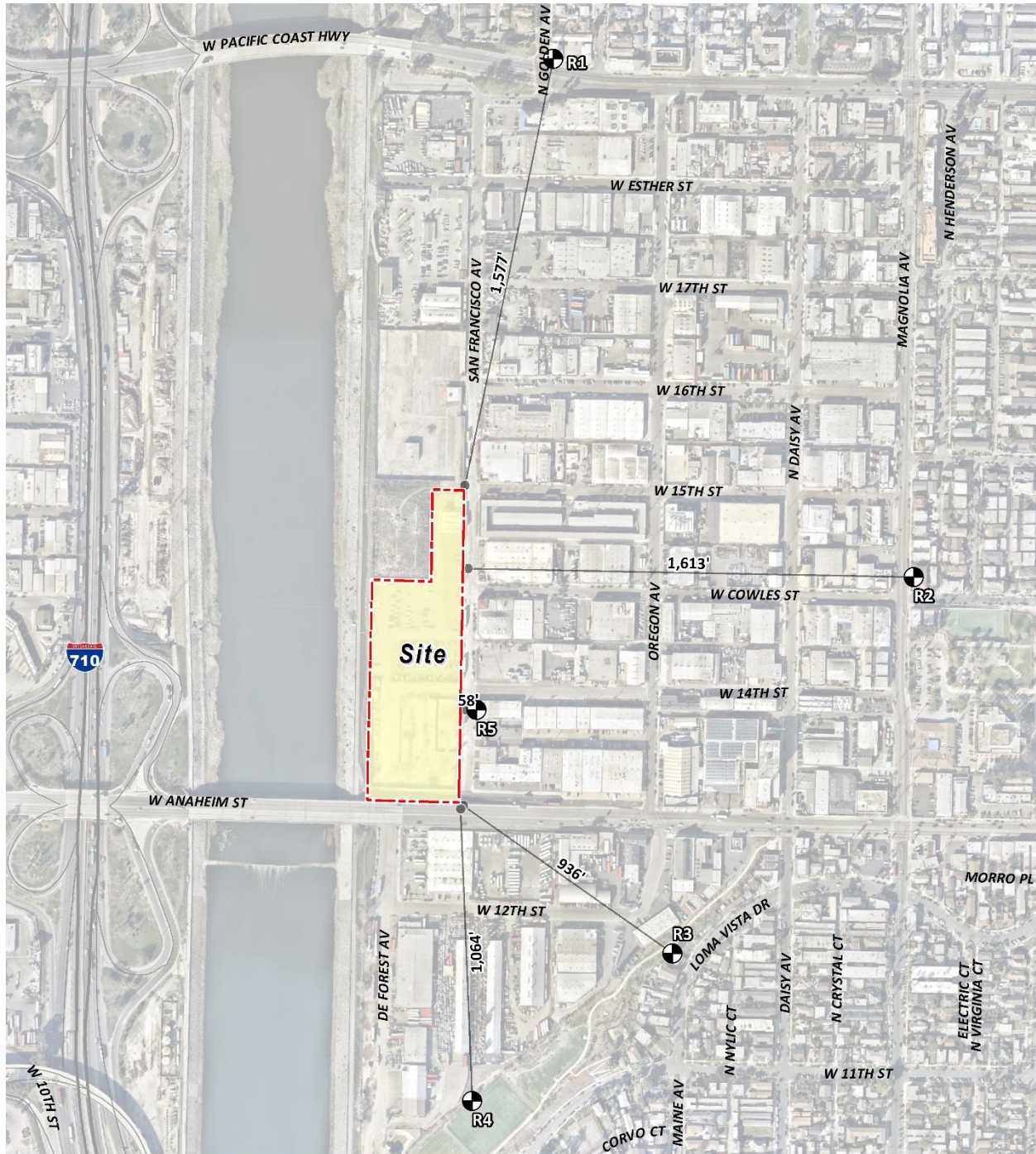
There are no schools located within a ¼ mile of the Project site. As such, there would be no significant impacts that would occur to any schools in the vicinity of the Project.

Proximity to sources of toxics is critical to determining the impact. In traffic-related studies, the additional non-cancer health risk attributable to proximity was seen within 1,000 feet and was strongest within 300 feet. California freeway studies show about a 70-percent drop-off in particulate pollution levels at 500 feet. Based on California Air Resources Board (CARB) and SCAQMD emissions and modeling analyses, an 80-percent drop-off in pollutant concentrations is expected at approximately 1,000 feet from a distribution center (1).

The 1,000-foot evaluation distance is supported by research-based findings concerning Toxic Air Contaminant (TAC) emission dispersion rates from roadways and large sources showing that emissions diminish substantially between 500 and 1,000 feet from emission sources.

For purposes of this assessment, a one-quarter mile radius or 1,320 feet geographic scope is utilized for determining potential impacts to nearby schools. This radius is more robust than, and therefore provides a more health protective scenario for evaluation than the 1,000-foot impact radius identified above.

EXHIBIT 2-C: MODELED RECEPTORS



- LEGEND:**
-  N
 -  Receptor Locations
 -  Distance from receptor to Project site boundary (in feet)

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3 REFERENCES

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3. **Goss, Tracy A and Kroeger, Amy.** White Paper on Potential Control Strategies to Address Cumulative Impacts from Air Pollution. [Online] South Coast Air Quality Management District, 2003. [Cited: June 6, 2019.] <http://www.aqmd.gov/docs/default-source/Agendas/Environmental-Justice/cumulative-impacts-working-group/cumulative-impacts-white-paper.pdf?sfvrsn=2>.
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5. **Urban Crossroads, Inc.** *Perris Truck Yard Traffic Analysis.* 2021.
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<http://www.dot.ca.gov/hq/env/air/pages/emfac.htm>.
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4 CERTIFICATIONS

The contents of this health risk assessment represent an accurate depiction of the impacts to sensitive receptors associated with the proposed San Francisco Avenue Project. The information contained in this health risk assessment report is based on the best available data at the time of preparation. If you have any questions, please contact me at (949) 660-1994.

Haseeb Qureshi
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EDUCATION

Master of Science in Environmental Studies
California State University, Fullerton • May 2010

Bachelor of Arts in Environmental Analysis and Design
University of California, Irvine • June 2006

PROFESSIONAL AFFILIATIONS

AEP – Association of Environmental Planners
AWMA – Air and Waste Management Association
ASTM – American Society for Testing and Materials

PROFESSIONAL CERTIFICATIONS

Environmental Site Assessment – American Society for Testing and Materials • June 2013
Planned Communities and Urban Infill – Urban Land Institute • June 2011
Indoor Air Quality and Industrial Hygiene – EMSL Analytical • April 2008
Principles of Ambient Air Monitoring – California Air Resources Board • August 2007
AB2588 Regulatory Standards – Trinity Consultants • November 2006
Air Dispersion Modeling – Lakes Environmental • June 2006

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APPENDIX 2.1:

EMFAC EMISSIONS SUMMARY

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APPENDIX 2.2:
AERMOD MODEL INPUT/OUTPUT

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```

** Lakes Environmental AERMOD MPI
**
*****
**
** AERMOD INPUT PRODUCED BY:
** AERMOD VIEW VER. 10.0.1
** LAKES ENVIRONMENTAL SOFTWARE INC.
** DATE: 8/18/2021
** FILE: C:\LAKES\AERMOD VIEW\13987 HRA\13987 HRA.ADI
**
*****
**
**
*****
** AERMOD CONTROL PATHWAY
*****
**
**
CO STARTING
  TITLEONE C:\LAKES\AERMOD VIEW\13987 HRA\13987 HRA.ISC
  MODELOPT DFAULT CONC
  AVERTIME ANNUAL
  URBANOPT 9818605
  POLLUTID DPM
  RUNORNOT RUN
  ERRORFIL "13987 HRA.ERR"

```

CO FINISHED

```

**
*****
** AERMOD SOURCE PATHWAY
*****
**
**
SO STARTING
** SOURCE LOCATION **
** SOURCE ID - TYPE - X COORD. - Y COORD. **
** -----
** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES
** LINE VOLUME SOURCE ID = SLINE1
** DESCRSRC BUILDING 1 ON-SITE IDLING
** PREFIX
** LENGTH OF SIDE = 8.59
** CONFIGURATION = ADJACENT
** EMISSION RATE = 3.29E-06
** VERTICAL DIMENSION = 6.99
** SZINIT = 3.25
** NODES = 2
** 388533.500, 3738794.364, 0.00, 3.49, 4.00
** 388533.500, 3738755.117, 0.00, 3.49, 4.00
** -----

```

LOCATION L0000412	VOLUME	388533.500	3738790.069	0.00
LOCATION L0000413	VOLUME	388533.500	3738781.479	0.00
LOCATION L0000414	VOLUME	388533.500	3738772.889	0.00
LOCATION L0000415	VOLUME	388533.500	3738764.299	0.00
LOCATION L0000416	VOLUME	388533.500	3738755.709	0.00

** END OF LINE VOLUME SOURCE ID = SLINE1

**

** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES

** LINE VOLUME SOURCE ID = SLINE2

** DESCRSRC BUILDING 2 ON-SITE IDLING

** PREFIX

** LENGTH OF SIDE = 8.59

** CONFIGURATION = ADJACENT

** EMISSION RATE = 3.29E-06

** VERTICAL DIMENSION = 6.99

** SZINIT = 3.25

** NODES = 2

** 388563.629, 3738922.808, 0.00, 3.49, 4.00

** 388516.850, 3738922.808, 0.00, 3.49, 4.00

**

LOCATION L0000417	VOLUME	388559.334	3738922.808	0.50
LOCATION L0000418	VOLUME	388550.744	3738922.808	0.50
LOCATION L0000419	VOLUME	388542.154	3738922.808	0.50
LOCATION L0000420	VOLUME	388533.564	3738922.808	0.50
LOCATION L0000421	VOLUME	388524.974	3738922.808	0.50

** END OF LINE VOLUME SOURCE ID = SLINE2

**

** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES

** LINE VOLUME SOURCE ID = SLINE3

** DESCRSRC BUILDING 1 ON-SITE TRAVEL

** PREFIX

** LENGTH OF SIDE = 8.59

** CONFIGURATION = ADJACENT

** EMISSION RATE = 1.568E-06

** VERTICAL DIMENSION = 6.99

** SZINIT = 3.25

** NODES = 3

** 388511.300, 3738724.592, 0.00, 3.49, 4.00

** 388513.282, 3738837.971, 0.00, 3.49, 4.00

** 388594.550, 3738835.989, 0.00, 3.49, 4.00

**

LOCATION L0000422	VOLUME	388511.375	3738728.887	0.00
LOCATION L0000423	VOLUME	388511.525	3738737.475	0.00
LOCATION L0000424	VOLUME	388511.675	3738746.064	0.00
LOCATION L0000425	VOLUME	388511.826	3738754.653	0.00
LOCATION L0000426	VOLUME	388511.976	3738763.241	0.00
LOCATION L0000427	VOLUME	388512.126	3738771.830	0.00
LOCATION L0000428	VOLUME	388512.276	3738780.419	0.00
LOCATION L0000429	VOLUME	388512.426	3738789.007	0.00
LOCATION L0000430	VOLUME	388512.576	3738797.596	0.00

LOCATION L0000431	VOLUME	388512.726	3738806.185	0.00
LOCATION L0000432	VOLUME	388512.877	3738814.773	0.00
LOCATION L0000433	VOLUME	388513.027	3738823.362	0.00
LOCATION L0000434	VOLUME	388513.177	3738831.951	0.00
LOCATION L0000435	VOLUME	388515.850	3738837.909	0.00
LOCATION L0000436	VOLUME	388524.437	3738837.699	0.00
LOCATION L0000437	VOLUME	388533.025	3738837.490	0.00
LOCATION L0000438	VOLUME	388541.612	3738837.280	0.00
LOCATION L0000439	VOLUME	388550.200	3738837.071	0.00
LOCATION L0000440	VOLUME	388558.787	3738836.862	0.00
LOCATION L0000441	VOLUME	388567.375	3738836.652	0.00
LOCATION L0000442	VOLUME	388575.962	3738836.443	0.00
LOCATION L0000443	VOLUME	388584.550	3738836.233	0.00
LOCATION L0000444	VOLUME	388593.137	3738836.024	0.00

** END OF LINE VOLUME SOURCE ID = SLINE3

** -----

** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES

** LINE VOLUME SOURCE ID = SLINE4

** DESCRSRC BUILDING 2 ON-SITE TRAVEL

** PREFIX

** LENGTH OF SIDE = 8.59

** CONFIGURATION = ADJACENT

** EMISSION RATE = 8.505E-07

** VERTICAL DIMENSION = 6.99

** SZINIT = 3.25

** NODES = 4

** 388513.679, 3738920.825, 0.00, 3.49, 4.00

** 388516.850, 3738948.576, 0.00, 3.49, 4.00

** 388575.125, 3738946.990, 0.00, 3.49, 4.00

** 388593.758, 3738952.143, 0.00, 3.49, 4.00

** -----

LOCATION L0000445	VOLUME	388514.166	3738925.093	0.52
LOCATION L0000446	VOLUME	388515.142	3738933.627	0.62
LOCATION L0000447	VOLUME	388516.117	3738942.161	0.71
LOCATION L0000448	VOLUME	388518.983	3738948.517	0.78
LOCATION L0000449	VOLUME	388527.570	3738948.284	0.78
LOCATION L0000450	VOLUME	388536.157	3738948.050	0.77
LOCATION L0000451	VOLUME	388544.744	3738947.817	0.77
LOCATION L0000452	VOLUME	388553.331	3738947.583	0.77
LOCATION L0000453	VOLUME	388561.918	3738947.349	0.77
LOCATION L0000454	VOLUME	388570.504	3738947.116	0.77
LOCATION L0000455	VOLUME	388578.949	3738948.047	0.78
LOCATION L0000456	VOLUME	388587.228	3738950.337	0.81

** END OF LINE VOLUME SOURCE ID = SLINE4

** -----

** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES

** LINE VOLUME SOURCE ID = SLINE5

** DESCRSRC OFF-SITE TRAVEL

** PREFIX

** LENGTH OF SIDE = 8.59

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** CONFIGURATION = ADJACENT
** EMISSION RATE = 8.523E-06
** VERTICAL DIMENSION = 6.99
** SZINIT = 3.25
** NODES = 5
** 388606.840, 3738953.333, 0.00, 0.00, 4.00
** 388606.117, 3738840.688, 0.00, 0.00, 4.00
** 388803.334, 3738840.129, 0.00, 0.00, 4.00
** 388805.240, 3738702.673, 0.00, 0.00, 4.00
** 388064.523, 3738720.628, 0.00, 0.00, 4.00

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LOCATION L0000457    VOLUME  388606.812 3738949.038 0.00
LOCATION L0000458    VOLUME  388606.757 3738940.448 0.00
LOCATION L0000459    VOLUME  388606.702 3738931.858 0.00
LOCATION L0000460    VOLUME  388606.647 3738923.268 0.00
LOCATION L0000461    VOLUME  388606.592 3738914.678 0.00
LOCATION L0000462    VOLUME  388606.536 3738906.089 0.00
LOCATION L0000463    VOLUME  388606.481 3738897.499 0.00
LOCATION L0000464    VOLUME  388606.426 3738888.909 0.00
LOCATION L0000465    VOLUME  388606.371 3738880.319 0.00
LOCATION L0000466    VOLUME  388606.316 3738871.729 0.00
LOCATION L0000467    VOLUME  388606.261 3738863.140 0.00
LOCATION L0000468    VOLUME  388606.206 3738854.550 0.00
LOCATION L0000469    VOLUME  388606.150 3738845.960 0.00
LOCATION L0000470    VOLUME  388609.434 3738840.678 0.00
LOCATION L0000471    VOLUME  388618.024 3738840.654 0.00
LOCATION L0000472    VOLUME  388626.614 3738840.630 0.00
LOCATION L0000473    VOLUME  388635.204 3738840.605 0.00
LOCATION L0000474    VOLUME  388643.794 3738840.581 0.00
LOCATION L0000475    VOLUME  388652.384 3738840.557 0.00
LOCATION L0000476    VOLUME  388660.974 3738840.532 0.00
LOCATION L0000477    VOLUME  388669.564 3738840.508 0.00
LOCATION L0000478    VOLUME  388678.154 3738840.484 0.00
LOCATION L0000479    VOLUME  388686.744 3738840.459 0.00
LOCATION L0000480    VOLUME  388695.334 3738840.435 0.00
LOCATION L0000481    VOLUME  388703.924 3738840.411 0.00
LOCATION L0000482    VOLUME  388712.514 3738840.386 0.00
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LOCATION L0000484    VOLUME  388729.694 3738840.338 0.00
LOCATION L0000485    VOLUME  388738.284 3738840.313 0.00
LOCATION L0000486    VOLUME  388746.874 3738840.289 0.00
LOCATION L0000487    VOLUME  388755.464 3738840.265 0.00
LOCATION L0000488    VOLUME  388764.054 3738840.240 0.00
LOCATION L0000489    VOLUME  388772.644 3738840.216 0.00
LOCATION L0000490    VOLUME  388781.234 3738840.192 0.00
LOCATION L0000491    VOLUME  388789.824 3738840.167 0.00
LOCATION L0000492    VOLUME  388798.414 3738840.143 0.00
LOCATION L0000493    VOLUME  388803.385 3738836.459 0.00
LOCATION L0000494    VOLUME  388803.504 3738827.870 0.00
LOCATION L0000495    VOLUME  388803.623 3738819.281 0.00

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LOCATION	L0000496	VOLUME	388803.742	3738810.692	0.00
LOCATION	L0000497	VOLUME	388803.861	3738802.103	0.00
LOCATION	L0000498	VOLUME	388803.980	3738793.513	0.00
LOCATION	L0000499	VOLUME	388804.099	3738784.924	0.00
LOCATION	L0000500	VOLUME	388804.218	3738776.335	0.00
LOCATION	L0000501	VOLUME	388804.337	3738767.746	0.00
LOCATION	L0000502	VOLUME	388804.456	3738759.157	0.00
LOCATION	L0000503	VOLUME	388804.576	3738750.568	0.00
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LOCATION	L0000506	VOLUME	388804.933	3738724.800	0.00
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LOCATION	L0000508	VOLUME	388805.171	3738707.622	0.00
LOCATION	L0000509	VOLUME	388801.600	3738702.761	0.00
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LOCATION	L0000511	VOLUME	388784.425	3738703.177	0.00
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LOCATION	L0000513	VOLUME	388767.250	3738703.594	0.00
LOCATION	L0000514	VOLUME	388758.663	3738703.802	0.00
LOCATION	L0000515	VOLUME	388750.075	3738704.010	0.00
LOCATION	L0000516	VOLUME	388741.488	3738704.218	0.00
LOCATION	L0000517	VOLUME	388732.900	3738704.426	0.00
LOCATION	L0000518	VOLUME	388724.313	3738704.634	0.00
LOCATION	L0000519	VOLUME	388715.725	3738704.843	0.00
LOCATION	L0000520	VOLUME	388707.138	3738705.051	0.00
LOCATION	L0000521	VOLUME	388698.550	3738705.259	0.00
LOCATION	L0000522	VOLUME	388689.963	3738705.467	0.00
LOCATION	L0000523	VOLUME	388681.376	3738705.675	0.00
LOCATION	L0000524	VOLUME	388672.788	3738705.883	0.00
LOCATION	L0000525	VOLUME	388664.201	3738706.092	0.00
LOCATION	L0000526	VOLUME	388655.613	3738706.300	0.00
LOCATION	L0000527	VOLUME	388647.026	3738706.508	0.00
LOCATION	L0000528	VOLUME	388638.438	3738706.716	0.00
LOCATION	L0000529	VOLUME	388629.851	3738706.924	0.00
LOCATION	L0000530	VOLUME	388621.263	3738707.132	0.00
LOCATION	L0000531	VOLUME	388612.676	3738707.341	0.00
LOCATION	L0000532	VOLUME	388604.088	3738707.549	0.00
LOCATION	L0000533	VOLUME	388595.501	3738707.757	0.00
LOCATION	L0000534	VOLUME	388586.913	3738707.965	0.00
LOCATION	L0000535	VOLUME	388578.326	3738708.173	0.00
LOCATION	L0000536	VOLUME	388569.738	3738708.381	0.00
LOCATION	L0000537	VOLUME	388561.151	3738708.590	0.00
LOCATION	L0000538	VOLUME	388552.563	3738708.798	0.00
LOCATION	L0000539	VOLUME	388543.976	3738709.006	0.00
LOCATION	L0000540	VOLUME	388535.388	3738709.214	0.00
LOCATION	L0000541	VOLUME	388526.801	3738709.422	0.00
LOCATION	L0000542	VOLUME	388518.213	3738709.630	0.00
LOCATION	L0000543	VOLUME	388509.626	3738709.839	0.00
LOCATION	L0000544	VOLUME	388501.038	3738710.047	0.00
LOCATION	L0000545	VOLUME	388492.451	3738710.255	0.00

LOCATION	L0000546	VOLUME	388483.864	3738710.463	0.00
LOCATION	L0000547	VOLUME	388475.276	3738710.671	0.00
LOCATION	L0000548	VOLUME	388466.689	3738710.879	0.00
LOCATION	L0000549	VOLUME	388458.101	3738711.088	0.00
LOCATION	L0000550	VOLUME	388449.514	3738711.296	0.00
LOCATION	L0000551	VOLUME	388440.926	3738711.504	0.00
LOCATION	L0000552	VOLUME	388432.339	3738711.712	0.00
LOCATION	L0000553	VOLUME	388423.751	3738711.920	0.00
LOCATION	L0000554	VOLUME	388415.164	3738712.128	0.00
LOCATION	L0000555	VOLUME	388406.576	3738712.336	0.00
LOCATION	L0000556	VOLUME	388397.989	3738712.545	0.00
LOCATION	L0000557	VOLUME	388389.401	3738712.753	0.00
LOCATION	L0000558	VOLUME	388380.814	3738712.961	0.00
LOCATION	L0000559	VOLUME	388372.226	3738713.169	0.00
LOCATION	L0000560	VOLUME	388363.639	3738713.377	0.00
LOCATION	L0000561	VOLUME	388355.051	3738713.585	0.00
LOCATION	L0000562	VOLUME	388346.464	3738713.794	0.00
LOCATION	L0000563	VOLUME	388337.876	3738714.002	0.00
LOCATION	L0000564	VOLUME	388329.289	3738714.210	0.00
LOCATION	L0000565	VOLUME	388320.701	3738714.418	0.00
LOCATION	L0000566	VOLUME	388312.114	3738714.626	0.00
LOCATION	L0000567	VOLUME	388303.527	3738714.834	0.00
LOCATION	L0000568	VOLUME	388294.939	3738715.043	0.00
LOCATION	L0000569	VOLUME	388286.352	3738715.251	0.00
LOCATION	L0000570	VOLUME	388277.764	3738715.459	0.00
LOCATION	L0000571	VOLUME	388269.177	3738715.667	0.00
LOCATION	L0000572	VOLUME	388260.589	3738715.875	0.00
LOCATION	L0000573	VOLUME	388252.002	3738716.083	0.00
LOCATION	L0000574	VOLUME	388243.414	3738716.292	0.00
LOCATION	L0000575	VOLUME	388234.827	3738716.500	0.00
LOCATION	L0000576	VOLUME	388226.239	3738716.708	0.00
LOCATION	L0000577	VOLUME	388217.652	3738716.916	0.00
LOCATION	L0000578	VOLUME	388209.064	3738717.124	0.00
LOCATION	L0000579	VOLUME	388200.477	3738717.332	0.00
LOCATION	L0000580	VOLUME	388191.889	3738717.541	0.00
LOCATION	L0000581	VOLUME	388183.302	3738717.749	0.00
LOCATION	L0000582	VOLUME	388174.714	3738717.957	0.00
LOCATION	L0000583	VOLUME	388166.127	3738718.165	0.00
LOCATION	L0000584	VOLUME	388157.539	3738718.373	0.00
LOCATION	L0000585	VOLUME	388148.952	3738718.581	0.00
LOCATION	L0000586	VOLUME	388140.364	3738718.790	0.00
LOCATION	L0000587	VOLUME	388131.777	3738718.998	0.00
LOCATION	L0000588	VOLUME	388123.189	3738719.206	0.00
LOCATION	L0000589	VOLUME	388114.602	3738719.414	0.00
LOCATION	L0000590	VOLUME	388106.015	3738719.622	0.00
LOCATION	L0000591	VOLUME	388097.427	3738719.830	0.00
LOCATION	L0000592	VOLUME	388088.840	3738720.038	0.00
LOCATION	L0000593	VOLUME	388080.252	3738720.247	0.00
LOCATION	L0000594	VOLUME	388071.665	3738720.455	0.00

** END OF LINE VOLUME SOURCE ID = SLINE5

** SOURCE PARAMETERS **

** LINE VOLUME SOURCE ID = SLINE1

SRCPARAM L0000412	0.000000658	3.49	4.00	3.25
SRCPARAM L0000413	0.000000658	3.49	4.00	3.25
SRCPARAM L0000414	0.000000658	3.49	4.00	3.25
SRCPARAM L0000415	0.000000658	3.49	4.00	3.25
SRCPARAM L0000416	0.000000658	3.49	4.00	3.25

**

** LINE VOLUME SOURCE ID = SLINE2

SRCPARAM L0000417	0.000000658	3.49	4.00	3.25
SRCPARAM L0000418	0.000000658	3.49	4.00	3.25
SRCPARAM L0000419	0.000000658	3.49	4.00	3.25
SRCPARAM L0000420	0.000000658	3.49	4.00	3.25
SRCPARAM L0000421	0.000000658	3.49	4.00	3.25

**

** LINE VOLUME SOURCE ID = SLINE3

SRCPARAM L0000422	0.0000006817	3.49	4.00	3.25
SRCPARAM L0000423	0.0000006817	3.49	4.00	3.25
SRCPARAM L0000424	0.0000006817	3.49	4.00	3.25
SRCPARAM L0000425	0.0000006817	3.49	4.00	3.25
SRCPARAM L0000426	0.0000006817	3.49	4.00	3.25
SRCPARAM L0000427	0.0000006817	3.49	4.00	3.25
SRCPARAM L0000428	0.0000006817	3.49	4.00	3.25
SRCPARAM L0000429	0.0000006817	3.49	4.00	3.25
SRCPARAM L0000430	0.0000006817	3.49	4.00	3.25
SRCPARAM L0000431	0.0000006817	3.49	4.00	3.25
SRCPARAM L0000432	0.0000006817	3.49	4.00	3.25
SRCPARAM L0000433	0.0000006817	3.49	4.00	3.25
SRCPARAM L0000434	0.0000006817	3.49	4.00	3.25
SRCPARAM L0000435	0.0000006817	3.49	4.00	3.25
SRCPARAM L0000436	0.0000006817	3.49	4.00	3.25
SRCPARAM L0000437	0.0000006817	3.49	4.00	3.25
SRCPARAM L0000438	0.0000006817	3.49	4.00	3.25
SRCPARAM L0000439	0.0000006817	3.49	4.00	3.25
SRCPARAM L0000440	0.0000006817	3.49	4.00	3.25
SRCPARAM L0000441	0.0000006817	3.49	4.00	3.25
SRCPARAM L0000442	0.0000006817	3.49	4.00	3.25
SRCPARAM L0000443	0.0000006817	3.49	4.00	3.25
SRCPARAM L0000444	0.0000006817	3.49	4.00	3.25

**

** LINE VOLUME SOURCE ID = SLINE4

SRCPARAM L0000445	0.0000007088	3.49	4.00	3.25
SRCPARAM L0000446	0.0000007088	3.49	4.00	3.25
SRCPARAM L0000447	0.0000007088	3.49	4.00	3.25
SRCPARAM L0000448	0.0000007088	3.49	4.00	3.25
SRCPARAM L0000449	0.0000007088	3.49	4.00	3.25
SRCPARAM L0000450	0.0000007088	3.49	4.00	3.25
SRCPARAM L0000451	0.0000007088	3.49	4.00	3.25
SRCPARAM L0000452	0.0000007088	3.49	4.00	3.25
SRCPARAM L0000453	0.0000007088	3.49	4.00	3.25

SRCPARAM	L0000454	0.00000007088	3.49	4.00	3.25
SRCPARAM	L0000455	0.00000007088	3.49	4.00	3.25
SRCPARAM	L0000456	0.00000007088	3.49	4.00	3.25

**

** LINE VOLUME SOURCE ID = SLINE5

SRCPARAM	L0000457	0.00000006176	0.00	4.00	3.25
SRCPARAM	L0000458	0.00000006176	0.00	4.00	3.25
SRCPARAM	L0000459	0.00000006176	0.00	4.00	3.25
SRCPARAM	L0000460	0.00000006176	0.00	4.00	3.25
SRCPARAM	L0000461	0.00000006176	0.00	4.00	3.25
SRCPARAM	L0000462	0.00000006176	0.00	4.00	3.25
SRCPARAM	L0000463	0.00000006176	0.00	4.00	3.25
SRCPARAM	L0000464	0.00000006176	0.00	4.00	3.25
SRCPARAM	L0000465	0.00000006176	0.00	4.00	3.25
SRCPARAM	L0000466	0.00000006176	0.00	4.00	3.25
SRCPARAM	L0000467	0.00000006176	0.00	4.00	3.25
SRCPARAM	L0000468	0.00000006176	0.00	4.00	3.25
SRCPARAM	L0000469	0.00000006176	0.00	4.00	3.25
SRCPARAM	L0000470	0.00000006176	0.00	4.00	3.25
SRCPARAM	L0000471	0.00000006176	0.00	4.00	3.25
SRCPARAM	L0000472	0.00000006176	0.00	4.00	3.25
SRCPARAM	L0000473	0.00000006176	0.00	4.00	3.25
SRCPARAM	L0000474	0.00000006176	0.00	4.00	3.25
SRCPARAM	L0000475	0.00000006176	0.00	4.00	3.25
SRCPARAM	L0000476	0.00000006176	0.00	4.00	3.25
SRCPARAM	L0000477	0.00000006176	0.00	4.00	3.25
SRCPARAM	L0000478	0.00000006176	0.00	4.00	3.25
SRCPARAM	L0000479	0.00000006176	0.00	4.00	3.25
SRCPARAM	L0000480	0.00000006176	0.00	4.00	3.25
SRCPARAM	L0000481	0.00000006176	0.00	4.00	3.25
SRCPARAM	L0000482	0.00000006176	0.00	4.00	3.25
SRCPARAM	L0000483	0.00000006176	0.00	4.00	3.25
SRCPARAM	L0000484	0.00000006176	0.00	4.00	3.25
SRCPARAM	L0000485	0.00000006176	0.00	4.00	3.25
SRCPARAM	L0000486	0.00000006176	0.00	4.00	3.25
SRCPARAM	L0000487	0.00000006176	0.00	4.00	3.25
SRCPARAM	L0000488	0.00000006176	0.00	4.00	3.25
SRCPARAM	L0000489	0.00000006176	0.00	4.00	3.25
SRCPARAM	L0000490	0.00000006176	0.00	4.00	3.25
SRCPARAM	L0000491	0.00000006176	0.00	4.00	3.25
SRCPARAM	L0000492	0.00000006176	0.00	4.00	3.25
SRCPARAM	L0000493	0.00000006176	0.00	4.00	3.25
SRCPARAM	L0000494	0.00000006176	0.00	4.00	3.25
SRCPARAM	L0000495	0.00000006176	0.00	4.00	3.25
SRCPARAM	L0000496	0.00000006176	0.00	4.00	3.25
SRCPARAM	L0000497	0.00000006176	0.00	4.00	3.25
SRCPARAM	L0000498	0.00000006176	0.00	4.00	3.25
SRCPARAM	L0000499	0.00000006176	0.00	4.00	3.25
SRCPARAM	L0000500	0.00000006176	0.00	4.00	3.25
SRCPARAM	L0000501	0.00000006176	0.00	4.00	3.25

[illegible]

SRCPARAM	L0000552	0.00000006176	0.00	4.00	3.25
SRCPARAM	L0000553	0.00000006176	0.00	4.00	3.25
SRCPARAM	L0000554	0.00000006176	0.00	4.00	3.25
SRCPARAM	L0000555	0.00000006176	0.00	4.00	3.25
SRCPARAM	L0000556	0.00000006176	0.00	4.00	3.25
SRCPARAM	L0000557	0.00000006176	0.00	4.00	3.25
SRCPARAM	L0000558	0.00000006176	0.00	4.00	3.25
SRCPARAM	L0000559	0.00000006176	0.00	4.00	3.25
SRCPARAM	L0000560	0.00000006176	0.00	4.00	3.25
SRCPARAM	L0000561	0.00000006176	0.00	4.00	3.25
SRCPARAM	L0000562	0.00000006176	0.00	4.00	3.25
SRCPARAM	L0000563	0.00000006176	0.00	4.00	3.25
SRCPARAM	L0000564	0.00000006176	0.00	4.00	3.25
SRCPARAM	L0000565	0.00000006176	0.00	4.00	3.25
SRCPARAM	L0000566	0.00000006176	0.00	4.00	3.25
SRCPARAM	L0000567	0.00000006176	0.00	4.00	3.25
SRCPARAM	L0000568	0.00000006176	0.00	4.00	3.25
SRCPARAM	L0000569	0.00000006176	0.00	4.00	3.25
SRCPARAM	L0000570	0.00000006176	0.00	4.00	3.25
SRCPARAM	L0000571	0.00000006176	0.00	4.00	3.25
SRCPARAM	L0000572	0.00000006176	0.00	4.00	3.25
SRCPARAM	L0000573	0.00000006176	0.00	4.00	3.25
SRCPARAM	L0000574	0.00000006176	0.00	4.00	3.25
SRCPARAM	L0000575	0.00000006176	0.00	4.00	3.25
SRCPARAM	L0000576	0.00000006176	0.00	4.00	3.25
SRCPARAM	L0000577	0.00000006176	0.00	4.00	3.25
SRCPARAM	L0000578	0.00000006176	0.00	4.00	3.25
SRCPARAM	L0000579	0.00000006176	0.00	4.00	3.25
SRCPARAM	L0000580	0.00000006176	0.00	4.00	3.25
SRCPARAM	L0000581	0.00000006176	0.00	4.00	3.25
SRCPARAM	L0000582	0.00000006176	0.00	4.00	3.25
SRCPARAM	L0000583	0.00000006176	0.00	4.00	3.25
SRCPARAM	L0000584	0.00000006176	0.00	4.00	3.25
SRCPARAM	L0000585	0.00000006176	0.00	4.00	3.25
SRCPARAM	L0000586	0.00000006176	0.00	4.00	3.25
SRCPARAM	L0000587	0.00000006176	0.00	4.00	3.25
SRCPARAM	L0000588	0.00000006176	0.00	4.00	3.25
SRCPARAM	L0000589	0.00000006176	0.00	4.00	3.25
SRCPARAM	L0000590	0.00000006176	0.00	4.00	3.25
SRCPARAM	L0000591	0.00000006176	0.00	4.00	3.25
SRCPARAM	L0000592	0.00000006176	0.00	4.00	3.25
SRCPARAM	L0000593	0.00000006176	0.00	4.00	3.25
SRCPARAM	L0000594	0.00000006176	0.00	4.00	3.25

**

URBANSRC ALL

SRCGROUP ALL

SO FINISHED

**

** AERMOD RECEPTOR PATHWAY

**

**

RE STARTING

INCLUDED "13987 HRA.ROU"

RE FINISHED

**

** AERMOD METEOROLOGY PATHWAY

**

**

ME STARTING

SURFFILE KLGB_V9_ADJU\KLGB_V9.SFC

PROFFILE KLGB_V9_ADJU\KLGB_V9.PFL

SURFDATA 23129 2012

UAIRDATA 3190 2012

PROFBASE 10.0 METERS

ME FINISHED

**

** AERMOD OUTPUT PATHWAY

**

**

OU STARTING

** AUTO-GENERATED PLOTFILES

PLOTFILE ANNUAL ALL "13987 HRA.AD\AN00GALL.PLT" 31

SUMMFILE "13987 HRA.SUM"

OU FINISHED

*** Message Summary For AERMOD Model Setup ***

----- Summary of Total Messages -----

A Total of	0 Fatal Error Message(s)
A Total of	2 Warning Message(s)
A Total of	0 Informational Message(s)

***** FATAL ERROR MESSAGES *****

*** NONE ***

***** WARNING MESSAGES *****

ME W186 518 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
0.50

ME W187 518 MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

*** SETUP Finishes Successfully ***

▲ *** AERMOD - VERSION 19191 *** *** C:\LAKES\AERMOD VIEW\13987 HRA\13987
HRA.ISC *** 08/18/21
*** AERMET - VERSION 16216 *** ***
*** 10:29:04

PAGE 1
*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** MODEL SETUP OPTIONS SUMMARY

-- --
**Model Is Setup For Calculation of Average CONCentration Values.

-- DEPOSITION LOGIC --

**NO GAS DEPOSITION Data Provided.

**NO PARTICLE DEPOSITION Data Provided.

**Model Uses NO DRY DEPLETION. DRYDPLT = F

**Model Uses NO WET DEPLETION. WETDPLT = F

**Model Uses URBAN Dispersion Algorithm for the SBL for 183 Source(s),
for Total of 1 Urban Area(s):

Urban Population = 9818605.0 ; Urban Roughness Length = 1.000 m

**Model Uses Regulatory DEFAULT Options:

1. Stack-tip Downwash.
2. Model Accounts for ELEVated Terrain Effects.
3. Use Calms Processing Routine.
4. Use Missing Data Processing Routine.
5. No Exponential Decay.
6. Urban Roughness Length of 1.0 Meter Assumed.

**Other Options Specified:

ADJ_U* - Use ADJ_U* option for SBL in AERMET

CCVR_Sub - Meteorological data includes CCVR substitutions

TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Assumes No FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: DPM

**Model Calculates ANNUAL Averages Only

**This Run Includes: 183 Source(s); 1 Source Group(s); and 6

Receptor(s)

with: 0 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 183 VOLUME source(s)
and: 0 AREA type source(s)
and: 0 LINE source(s)
and: 0 RLINE/RLINEXT source(s)
and: 0 OPENPIT source(s)
and: 0 BUOYANT LINE source(s) with 0 line(s)

**Model Set To Continue RUNning After the Setup Testing.

**The AERMET Input Meteorological Data Version Date: 16216

**Output Options Selected:

Model Outputs Tables of ANNUAL Averages by Receptor

Model Outputs External File(s) of High Values for Plotting (PLOTFILE
Keyword)

Model Outputs Separate Summary File of High Ranked Values (SUMMFILE
Keyword)

**NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours
m for Missing
Hours
b for Both Calm
and Missing Hours

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 10.00 ; Decay
Coef. = 0.000 ; Rot. Angle = 0.0
Emission Units = GRAMS/SEC ;
Emission Rate Unit Factor = 0.10000E+07
Output Units = MICROGRAMS/M**3

**Approximate Storage Requirements of Model = 3.6 MB of RAM.

**Input Runstream File: aermod.inp

**Output Print File: aermod.out

**Detailed Error/Message File: 13987 HRA.ERR

**File for Summary of Results: 13987 HRA.SUM

▲ *** AERMOD - VERSION 19191 *** *** C:\LAKES\AERMOD VIEW\13987 HRA\13987
HRA.ISC *** 08/18/21
*** AERMET - VERSION 16216 *** ***
*** 10:29:04

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE					
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0000412		0	0.65800E-06	388533.5	3738790.1	0.0	3.49	4.00
3.25	YES							
L0000413		0	0.65800E-06	388533.5	3738781.5	0.0	3.49	4.00
3.25	YES							
L0000414		0	0.65800E-06	388533.5	3738772.9	0.0	3.49	4.00
3.25	YES							
L0000415		0	0.65800E-06	388533.5	3738764.3	0.0	3.49	4.00
3.25	YES							
L0000416		0	0.65800E-06	388533.5	3738755.7	0.0	3.49	4.00
3.25	YES							
L0000417		0	0.65800E-06	388559.3	3738922.8	0.5	3.49	4.00
3.25	YES							
L0000418		0	0.65800E-06	388550.7	3738922.8	0.5	3.49	4.00
3.25	YES							
L0000419		0	0.65800E-06	388542.2	3738922.8	0.5	3.49	4.00
3.25	YES							
L0000420		0	0.65800E-06	388533.6	3738922.8	0.5	3.49	4.00
3.25	YES							
L0000421		0	0.65800E-06	388525.0	3738922.8	0.5	3.49	4.00
3.25	YES							
L0000422		0	0.68170E-07	388511.4	3738728.9	0.0	3.49	4.00
3.25	YES							
L0000423		0	0.68170E-07	388511.5	3738737.5	0.0	3.49	4.00
3.25	YES							
L0000424		0	0.68170E-07	388511.7	3738746.1	0.0	3.49	4.00
3.25	YES							
L0000425		0	0.68170E-07	388511.8	3738754.7	0.0	3.49	4.00
3.25	YES							
L0000426		0	0.68170E-07	388512.0	3738763.2	0.0	3.49	4.00
3.25	YES							
L0000427		0	0.68170E-07	388512.1	3738771.8	0.0	3.49	4.00
3.25	YES							
L0000428		0	0.68170E-07	388512.3	3738780.4	0.0	3.49	4.00
3.25	YES							

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE					
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---	---
L0000452		0	0.70880E-07	388553.3	3738947.6	0.8	3.49	4.00
3.25	YES							
L0000453		0	0.70880E-07	388561.9	3738947.3	0.8	3.49	4.00
3.25	YES							
L0000454		0	0.70880E-07	388570.5	3738947.1	0.8	3.49	4.00
3.25	YES							
L0000455		0	0.70880E-07	388578.9	3738948.0	0.8	3.49	4.00
3.25	YES							
L0000456		0	0.70880E-07	388587.2	3738950.3	0.8	3.49	4.00
3.25	YES							
L0000457		0	0.61760E-07	388606.8	3738949.0	0.0	0.00	4.00
3.25	YES							
L0000458		0	0.61760E-07	388606.8	3738940.4	0.0	0.00	4.00
3.25	YES							
L0000459		0	0.61760E-07	388606.7	3738931.9	0.0	0.00	4.00
3.25	YES							
L0000460		0	0.61760E-07	388606.6	3738923.3	0.0	0.00	4.00
3.25	YES							
L0000461		0	0.61760E-07	388606.6	3738914.7	0.0	0.00	4.00
3.25	YES							
L0000462		0	0.61760E-07	388606.5	3738906.1	0.0	0.00	4.00
3.25	YES							
L0000463		0	0.61760E-07	388606.5	3738897.5	0.0	0.00	4.00
3.25	YES							
L0000464		0	0.61760E-07	388606.4	3738888.9	0.0	0.00	4.00
3.25	YES							
L0000465		0	0.61760E-07	388606.4	3738880.3	0.0	0.00	4.00
3.25	YES							
L0000466		0	0.61760E-07	388606.3	3738871.7	0.0	0.00	4.00
3.25	YES							
L0000467		0	0.61760E-07	388606.3	3738863.1	0.0	0.00	4.00
3.25	YES							
L0000468		0	0.61760E-07	388606.2	3738854.5	0.0	0.00	4.00
3.25	YES							

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE					
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0000492		0	0.61760E-07	388798.4	3738840.1	0.0	0.00	4.00
3.25	YES							
L0000493		0	0.61760E-07	388803.4	3738836.5	0.0	0.00	4.00
3.25	YES							
L0000494		0	0.61760E-07	388803.5	3738827.9	0.0	0.00	4.00
3.25	YES							
L0000495		0	0.61760E-07	388803.6	3738819.3	0.0	0.00	4.00
3.25	YES							
L0000496		0	0.61760E-07	388803.7	3738810.7	0.0	0.00	4.00
3.25	YES							
L0000497		0	0.61760E-07	388803.9	3738802.1	0.0	0.00	4.00
3.25	YES							
L0000498		0	0.61760E-07	388804.0	3738793.5	0.0	0.00	4.00
3.25	YES							
L0000499		0	0.61760E-07	388804.1	3738784.9	0.0	0.00	4.00
3.25	YES							
L0000500		0	0.61760E-07	388804.2	3738776.3	0.0	0.00	4.00
3.25	YES							
L0000501		0	0.61760E-07	388804.3	3738767.7	0.0	0.00	4.00
3.25	YES							
L0000502		0	0.61760E-07	388804.5	3738759.2	0.0	0.00	4.00
3.25	YES							
L0000503		0	0.61760E-07	388804.6	3738750.6	0.0	0.00	4.00
3.25	YES							
L0000504		0	0.61760E-07	388804.7	3738742.0	0.0	0.00	4.00
3.25	YES							
L0000505		0	0.61760E-07	388804.8	3738733.4	0.0	0.00	4.00
3.25	YES							
L0000506		0	0.61760E-07	388804.9	3738724.8	0.0	0.00	4.00
3.25	YES							
L0000507		0	0.61760E-07	388805.1	3738716.2	0.0	0.00	4.00
3.25	YES							
L0000508		0	0.61760E-07	388805.2	3738707.6	0.0	0.00	4.00
3.25	YES							

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE					
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY
ID		SCALAR	VARY					
(METERS)		CATS.		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
		BY						
L0000532		0	0.61760E-07	388604.1	3738707.5	0.0	0.00	4.00
3.25	YES							
L0000533		0	0.61760E-07	388595.5	3738707.8	0.0	0.00	4.00
3.25	YES							
L0000534		0	0.61760E-07	388586.9	3738708.0	0.0	0.00	4.00
3.25	YES							
L0000535		0	0.61760E-07	388578.3	3738708.2	0.0	0.00	4.00
3.25	YES							
L0000536		0	0.61760E-07	388569.7	3738708.4	0.0	0.00	4.00
3.25	YES							
L0000537		0	0.61760E-07	388561.2	3738708.6	0.0	0.00	4.00
3.25	YES							
L0000538		0	0.61760E-07	388552.6	3738708.8	0.0	0.00	4.00
3.25	YES							
L0000539		0	0.61760E-07	388544.0	3738709.0	0.0	0.00	4.00
3.25	YES							
L0000540		0	0.61760E-07	388535.4	3738709.2	0.0	0.00	4.00
3.25	YES							
L0000541		0	0.61760E-07	388526.8	3738709.4	0.0	0.00	4.00
3.25	YES							
L0000542		0	0.61760E-07	388518.2	3738709.6	0.0	0.00	4.00
3.25	YES							
L0000543		0	0.61760E-07	388509.6	3738709.8	0.0	0.00	4.00
3.25	YES							
L0000544		0	0.61760E-07	388501.0	3738710.0	0.0	0.00	4.00
3.25	YES							
L0000545		0	0.61760E-07	388492.5	3738710.3	0.0	0.00	4.00
3.25	YES							
L0000546		0	0.61760E-07	388483.9	3738710.5	0.0	0.00	4.00
3.25	YES							
L0000547		0	0.61760E-07	388475.3	3738710.7	0.0	0.00	4.00
3.25	YES							
L0000548		0	0.61760E-07	388466.7	3738710.9	0.0	0.00	4.00
3.25	YES							

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y			
ID		SCALAR	VARY					
(METERS)		CATS.		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
		BY						
L0000572		0	0.61760E-07	388260.6	3738715.9	0.0	0.00	4.00
3.25	YES							
L0000573		0	0.61760E-07	388252.0	3738716.1	0.0	0.00	4.00
3.25	YES							
L0000574		0	0.61760E-07	388243.4	3738716.3	0.0	0.00	4.00
3.25	YES							
L0000575		0	0.61760E-07	388234.8	3738716.5	0.0	0.00	4.00
3.25	YES							
L0000576		0	0.61760E-07	388226.2	3738716.7	0.0	0.00	4.00
3.25	YES							
L0000577		0	0.61760E-07	388217.7	3738716.9	0.0	0.00	4.00
3.25	YES							
L0000578		0	0.61760E-07	388209.1	3738717.1	0.0	0.00	4.00
3.25	YES							
L0000579		0	0.61760E-07	388200.5	3738717.3	0.0	0.00	4.00
3.25	YES							
L0000580		0	0.61760E-07	388191.9	3738717.5	0.0	0.00	4.00
3.25	YES							
L0000581		0	0.61760E-07	388183.3	3738717.7	0.0	0.00	4.00
3.25	YES							
L0000582		0	0.61760E-07	388174.7	3738718.0	0.0	0.00	4.00
3.25	YES							
L0000583		0	0.61760E-07	388166.1	3738718.2	0.0	0.00	4.00
3.25	YES							
L0000584		0	0.61760E-07	388157.5	3738718.4	0.0	0.00	4.00
3.25	YES							
L0000585		0	0.61760E-07	388149.0	3738718.6	0.0	0.00	4.00
3.25	YES							
L0000586		0	0.61760E-07	388140.4	3738718.8	0.0	0.00	4.00
3.25	YES							
L0000587		0	0.61760E-07	388131.8	3738719.0	0.0	0.00	4.00
3.25	YES							
L0000588		0	0.61760E-07	388123.2	3738719.2	0.0	0.00	4.00
3.25	YES							

L0000589	0	0.61760E-07	388114.6	3738719.4	0.0	0.00	4.00
3.25	YES						
L0000590	0	0.61760E-07	388106.0	3738719.6	0.0	0.00	4.00
3.25	YES						
L0000591	0	0.61760E-07	388097.4	3738719.8	0.0	0.00	4.00
3.25	YES						
L0000592	0	0.61760E-07	388088.8	3738720.0	0.0	0.00	4.00
3.25	YES						
L0000593	0	0.61760E-07	388080.3	3738720.2	0.0	0.00	4.00
3.25	YES						
L0000594	0	0.61760E-07	388071.7	3738720.5	0.0	0.00	4.00
3.25	YES						

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS

SRCGROUP ID	SOURCE IDs					
-----	-----					
ALL	L0000412	, L0000413	, L0000414	, L0000415	, L0000416	,
L0000417	, L0000418	, L0000419	,			
	L0000420	, L0000421	, L0000422	, L0000423	, L0000424	,
L0000425	, L0000426	, L0000427	,			
	L0000428	, L0000429	, L0000430	, L0000431	, L0000432	,
L0000433	, L0000434	, L0000435	,			
	L0000436	, L0000437	, L0000438	, L0000439	, L0000440	,
L0000441	, L0000442	, L0000443	,			
	L0000444	, L0000445	, L0000446	, L0000447	, L0000448	,
L0000449	, L0000450	, L0000451	,			
	L0000452	, L0000453	, L0000454	, L0000455	, L0000456	,
L0000457	, L0000458	, L0000459	,			
	L0000460	, L0000461	, L0000462	, L0000463	, L0000464	,
L0000465	, L0000466	, L0000467	,			
	L0000468	, L0000469	, L0000470	, L0000471	, L0000472	,

L0000473	, L0000474	, L0000475	,			
	L0000476	, L0000477	, L0000478	, L0000479	, L0000480	,
L0000481	, L0000482	, L0000483	,			
	L0000484	, L0000485	, L0000486	, L0000487	, L0000488	,
L0000489	, L0000490	, L0000491	,			
	L0000492	, L0000493	, L0000494	, L0000495	, L0000496	,
L0000497	, L0000498	, L0000499	,			
	L0000500	, L0000501	, L0000502	, L0000503	, L0000504	,
L0000505	, L0000506	, L0000507	,			
	L0000508	, L0000509	, L0000510	, L0000511	, L0000512	,
L0000513	, L0000514	, L0000515	,			
	L0000516	, L0000517	, L0000518	, L0000519	, L0000520	,
L0000521	, L0000522	, L0000523	,			
	L0000524	, L0000525	, L0000526	, L0000527	, L0000528	,
L0000529	, L0000530	, L0000531	,			
	L0000532	, L0000533	, L0000534	, L0000535	, L0000536	,
L0000537	, L0000538	, L0000539	,			
	L0000540	, L0000541	, L0000542	, L0000543	, L0000544	,
L0000545	, L0000546	, L0000547	,			
	L0000548	, L0000549	, L0000550	, L0000551	, L0000552	,
L0000553	, L0000554	, L0000555	,			
	L0000556	, L0000557	, L0000558	, L0000559	, L0000560	,
L0000561	, L0000562	, L0000563	,			
	L0000564	, L0000565	, L0000566	, L0000567	, L0000568	,
L0000569	, L0000570	, L0000571	,			

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS

SRCGROUP ID

SOURCE IDs

```

-----
L0000577      L0000572      , L0000573      , L0000574      , L0000575      , L0000576      ,
               , L0000578      , L0000579      ,
L0000585      L0000580      , L0000581      , L0000582      , L0000583      , L0000584      ,
               , L0000586      , L0000587      ,
L0000593      L0000588      , L0000589      , L0000590      , L0000591      , L0000592      ,
               , L0000594      ,
^ *** AERMOD - VERSION 19191 ***      *** C:\LAKES\AERMOD VIEW\13987 HRA\13987
HRA.ISC      ***      ***      08/18/21
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES

URBAN ID	URBAN POP	SOURCE IDs
-----	-----	-----
L0000416	9818605.	L0000412 , L0000413 , L0000414 , L0000415 ,
L0000419	, L0000417	, L0000418 ,
	, L0000419	
L0000425	L0000420	, L0000421 , L0000422 , L0000423 , L0000424 ,
	, L0000426	, L0000427 ,
L0000433	L0000428	, L0000429 , L0000430 , L0000431 , L0000432 ,
	, L0000434	, L0000435 ,
L0000441	L0000436	, L0000437 , L0000438 , L0000439 , L0000440 ,
	, L0000442	, L0000443 ,
L0000449	L0000444	, L0000445 , L0000446 , L0000447 , L0000448 ,
	, L0000450	, L0000451 ,
L0000457	L0000452	, L0000453 , L0000454 , L0000455 , L0000456 ,
	, L0000458	, L0000459 ,
L0000465	L0000460	, L0000461 , L0000462 , L0000463 , L0000464 ,
	, L0000466	, L0000467 ,
	L0000468	, L0000469 , L0000470 , L0000471 , L0000472 ,

L0000473 , L0000474 , L0000475 ,
 L0000481 , L0000482 , L0000483 , L0000476 , L0000477 , L0000478 , L0000479 , L0000480 ,
 L0000489 , L0000490 , L0000491 , L0000484 , L0000485 , L0000486 , L0000487 , L0000488 ,
 L0000497 , L0000498 , L0000499 , L0000492 , L0000493 , L0000494 , L0000495 , L0000496 ,
 L0000505 , L0000506 , L0000507 , L0000500 , L0000501 , L0000502 , L0000503 , L0000504 ,
 L0000513 , L0000514 , L0000515 , L0000508 , L0000509 , L0000510 , L0000511 , L0000512 ,
 L0000521 , L0000522 , L0000523 , L0000516 , L0000517 , L0000518 , L0000519 , L0000520 ,
 L0000529 , L0000530 , L0000531 , L0000524 , L0000525 , L0000526 , L0000527 , L0000528 ,
 L0000537 , L0000538 , L0000539 , L0000532 , L0000533 , L0000534 , L0000535 , L0000536 ,
 L0000545 , L0000546 , L0000547 , L0000540 , L0000541 , L0000542 , L0000543 , L0000544 ,
 L0000553 , L0000554 , L0000555 , L0000548 , L0000549 , L0000550 , L0000551 , L0000552 ,
 L0000561 , L0000562 , L0000563 , L0000556 , L0000557 , L0000558 , L0000559 , L0000560 ,
 L0000569 , L0000570 , L0000571 , L0000564 , L0000565 , L0000566 , L0000567 , L0000568 ,

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES

URBAN ID URBAN POP

SOURCE IDs

[illegible]

NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.

*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***

(METERS/SEC)

10.80, 1.54, 3.09, 5.14, 8.23,

```

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ U*

```
DATA ***                                *** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL
```

Surface file: KLGB_V9_ADJU\KLGB_V9.SFC
Met Version: 16216
Profile file: KLGB_V9_ADJU\KLGB_V9.PFL

Surface format: FREE

Profile format: FREE

Surface station no.: 23129
Name: UNKNOWN

Upper air station no.: 3190
Name: UNKNOWN

Year: 2012

Year: 2012

First 24 hours of scalar data														
YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O	LEN	Z0	BOWEN
ALBEDO	REF	WS	WD	HT	REF	TA	HT							
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	01	01	1	01	-5.3	0.094	-9.000	-9.000	-999.	70.	14.3	0.10	2.68	
1.00		1.13	322.	7.9	282.0	2.0								
12	01	01	1	02	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.10	2.68	

1.00	0.00	0.	7.9	281.4	2.0								
12	01	01	1	03	-2.5	0.068	-9.000	-9.000	-999.	43.	11.4	0.10	2.68
1.00	0.74	79.	7.9	280.9	2.0								
12	01	01	1	04	-3.2	0.075	-9.000	-9.000	-999.	49.	11.7	0.10	2.68
1.00	0.86	137.	7.9	280.9	2.0								
12	01	01	1	05	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.10	2.68
1.00	0.00	0.	7.9	280.4	2.0								
12	01	01	1	06	-5.2	0.093	-9.000	-9.000	-999.	68.	14.0	0.10	2.68
1.00	1.11	92.	7.9	279.9	2.0								
12	01	01	1	07	-2.3	0.066	-9.000	-9.000	-999.	41.	11.5	0.10	2.68
1.00	0.69	67.	7.9	278.8	2.0								
12	01	01	1	08	-1.7	0.060	-9.000	-9.000	-999.	36.	11.4	0.10	2.68
0.54	0.65	91.	7.9	279.9	2.0								
12	01	01	1	09	36.2	-9.000	-9.000	-9.000	37.	-999.	-99999.0	0.10	2.68
0.31	0.00	0.	7.9	283.8	2.0								
12	01	01	1	10	108.4	0.139	0.707	0.009	119.	124.	-2.3	0.10	2.68
0.24	0.92	319.	7.9	287.5	2.0								
12	01	01	1	11	160.5	0.114	1.137	0.005	334.	93.	-1.0	0.10	2.68
0.21	0.62	23.	7.9	292.5	2.0								
12	01	01	1	12	186.7	0.125	1.473	0.005	623.	105.	-1.0	0.10	2.68
0.20	0.69	18.	7.9	295.4	2.0								
12	01	01	1	13	186.8	0.130	1.761	0.005	1065.	112.	-1.1	0.10	2.68
0.20	0.74	250.	7.9	297.5	2.0								
12	01	01	1	14	161.7	0.150	1.834	0.005	1387.	139.	-1.9	0.10	2.68
0.21	0.96	347.	7.9	300.4	2.0								
12	01	01	1	15	105.5	0.243	1.633	0.005	1499.	288.	-12.4	0.10	2.68
0.24	2.11	194.	7.9	295.9	2.0								
12	01	01	1	16	32.4	0.211	1.109	0.005	1530.	233.	-26.3	0.10	2.68
0.33	1.98	186.	7.9	295.4	2.0								
12	01	01	1	17	-20.5	0.250	-9.000	-9.000	-999.	300.	69.2	0.10	2.68
0.60	2.81	293.	7.9	291.4	2.0								
12	01	01	1	18	-25.4	0.257	-9.000	-9.000	-999.	313.	72.8	0.10	2.68
1.00	2.90	301.	7.9	288.1	2.0								
12	01	01	1	19	-21.0	0.211	-9.000	-9.000	-999.	233.	49.0	0.10	2.68
1.00	2.40	313.	7.9	286.4	2.0								
12	01	01	1	20	-25.7	0.258	-9.000	-9.000	-999.	315.	73.3	0.10	2.68
1.00	2.91	302.	7.9	286.4	2.0								
12	01	01	1	21	-22.5	0.225	-9.000	-9.000	-999.	256.	55.7	0.10	2.68
1.00	2.55	306.	7.9	285.4	2.0								
12	01	01	1	22	-9.3	0.126	-9.000	-9.000	-999.	111.	19.5	0.10	2.68
1.00	1.48	284.	7.9	285.9	2.0								
12	01	01	1	23	-21.4	0.214	-9.000	-9.000	-999.	237.	50.3	0.10	2.68
1.00	2.43	282.	7.9	285.4	2.0								
12	01	01	1	24	-30.1	0.300	-9.000	-9.000	-999.	394.	98.9	0.10	2.68
1.00	3.36	300.	7.9	284.2	2.0								

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
12	01	01	01	7.9	1	322.	1.13	282.1	99.0	-99.00	-99.00

F indicates top of profile (=1) or below (=0)
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 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5
 YEARS FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): L0000412 , L0000413
 , L0000414 , L0000415 , L0000416 ,
 L0000417 , L0000418 , L0000419 , L0000420 , L0000421
 , L0000422 , L0000423 , L0000424 ,
 L0000425 , L0000426 , L0000427 , L0000428 , L0000429
 , L0000430 , L0000431 , L0000432 ,
 L0000433 , L0000434 , L0000435 , L0000436 , L0000437
 , L0000438 , L0000439 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF DPM IN MICROGRAMS/M**3
 **
 X-COORD (M) Y-COORD (M) CONC X-COORD (M)
 Y-COORD (M) CONC
 - - - - -
 388689.41 3739530.45 0.00004 389087.81
 3738968.07 0.00006
 388826.06 3738557.06 0.00020 388611.53
 3738393.99 0.00009
 388614.38 3738821.27 0.00125 388615.85
 3738821.55 0.00126

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 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS
 AVERAGED OVER 5 YEARS ***

** CONC OF DPM IN MICROGRAMS/M**3

**

GROUP ID	NETWORK	AVERAGE CONC	RECEPTOR (XR, YR,
ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID	

ALL	1ST HIGHEST VALUE IS	0.00126 AT (	388615.85, 3738821.55,
0.00,	0.00, 0.00) DC		
	2ND HIGHEST VALUE IS	0.00125 AT (	388614.38, 3738821.27,
0.00,	0.00, 0.00) DC		
	3RD HIGHEST VALUE IS	0.00020 AT (	388826.06, 3738557.06,
0.00,	0.00, 0.00) DC		
	4TH HIGHEST VALUE IS	0.00009 AT (	388611.53, 3738393.99,
0.00,	0.00, 0.00) DC		
	5TH HIGHEST VALUE IS	0.00006 AT (	389087.81, 3738968.07,
1.00,	1.00, 0.00) DC		
	6TH HIGHEST VALUE IS	0.00004 AT (	388689.41, 3739530.45,
3.10,	3.10, 0.00) DC		
	7TH HIGHEST VALUE IS	0.00000 AT (	0.00, 0.00,
0.00,	0.00, 0.00)		
	8TH HIGHEST VALUE IS	0.00000 AT (	0.00, 0.00,
0.00,	0.00, 0.00)		
	9TH HIGHEST VALUE IS	0.00000 AT (	0.00, 0.00,
0.00,	0.00, 0.00)		
	10TH HIGHEST VALUE IS	0.00000 AT (	0.00, 0.00,
0.00,	0.00, 0.00)		

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** Message Summary : AERMOD Model Execution ***

----- Summary of Total Messages -----

A Total of	0 Fatal Error Message(s)
A Total of	2 Warning Message(s)
A Total of	1017 Informational Message(s)

A Total of 43848 Hours Were Processed

A Total of 747 Calm Hours Identified

A Total of 270 Missing Hours Identified (0.62 Percent)

***** FATAL ERROR MESSAGES *****
*** NONE ***

***** WARNING MESSAGES *****
ME W186 518 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
0.50
ME W187 518 MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

*** AERMOD Finishes Successfully ***

**AVERAGE EMISSION FACTOR
LA COUNTY 2022**

Speed	LHD1	MHD	HHD
0	0.306629	0.097915	0.01753
5	0.01638	0.045568	0.04416
25	0.006517	0.024403	0.01845

Speed	Weighted Average Emissions
0	0.08122
5	0.03999
25	0.01781

Emission Rates - 2022 Emission Factors

Truck Emission Rates						
Source	Trucks Per Day	VMT ^a (miles/day)	Truck Emission Rate ^b (grams/mile)	Truck Emission Rate ^b (grams/idle-hour)	Daily Truck Emissions ^c (grams/day)	Modeled Emission Rates (g/second)
On-Site Idling Building 1	14			0.0812	0.28	3.290E-06
On-Site Idling Building 2	14			0.0812	0.28	3.290E-06
On-Site Travel Building 1	28	3.39	0.0400		0.14	1.568E-06
On-Site Travel Building 2	28	1.84	0.0400		0.07	8.505E-07
Off-Site Travel	56	41.35	0.0178		0.74	8.523E-06

^a Vehicle miles traveled are for modeled truck route only.

^b Emission rates determined using EMFAC 2017. Idle emission rates are expressed in grams per idle hour rather than grams per mile.

^c This column includes the total truck travel and truck idle emissions. For idle emissions this column includes emissions based on the assumption that each truck idles for 15 minutes.

calendar_y	season_m	sub_area	vehicle_class	fuel	temperatu	relative_h	process	speed_tim	pollutant	emission_rate
2022	Annual	Los Angele	HHDT	Dsl	60	70	RUNEX	5	PM10	0.046185
2022	Annual	Los Angele	HHDT	Dsl	60	70	RUNEX	25	PM10	0.019302
2022	Annual	Los Angele	LHDT1	Dsl	60	70	RUNEX	5	PM10	0.042925
2022	Annual	Los Angele	LHDT1	Dsl	60	70	RUNEX	25	PM10	0.017078
2022	Annual	Los Angele	MHDT	Dsl	60	70	RUNEX	5	PM10	0.055595
2022	Annual	Los Angele	MHDT	Dsl	60	70	RUNEX	25	PM10	0.029773
2022	Annual	Los Angele	HHDT	Dsl			IDLEX		PM10	0.018333
2022	Annual	Los Angele	LHDT1	Dsl			IDLEX		PM10	0.803526
2022	Annual	Los Angele	MHDT	Dsl			IDLEX		PM10	0.119463

Source: EMFAC2017 (v1.0.3) Emissions Inventory

Region Type: County

Region: Los Angeles

Calendar Year: 2022

Season: Annual

Vehicle Classification: EMFAC2007 Categories

Units: miles/year for VMT, trips/year for Trips, tons/year for Emissions, 1000 gallons/year for Fuel Consumption

Region	Calendar	Vehicle C	Model Yea	Speed	Fuel	Population
Los Angek	2022	HHDT	Aggregate	Aggregate	Gasoline	55.46638
Los Angek	2022	HHDT	Aggregate	Aggregate	Diesel	58358.52
Los Angek	2022	HHDT	Aggregate	Aggregate	Natural Gas	2627.443
Los Angek	2022	LHDT1	Aggregate	Aggregate	Gasoline	107665
Los Angek	2022	LHDT1	Aggregate	Aggregate	Diesel	66438.77
Los Angek	2022	MHDT	Aggregate	Aggregate	Gasoline	14670
Los Angek	2022	MHDT	Aggregate	Aggregate	Diesel	66663.52

HHDT% GAS/NG 0.04395

HHDT% DSL 0.95605

LHDT1% GAS 0.6184

LHDT1% DSL 0.3816

MHDT% GAS 0.18037

MHDT% DSL 0.81963

APPENDIX 2.3:

RISK CALCULATIONS

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Table 1
Quantification of Carcinogenic Risks and Noncarcinogenic Hazards
-0.25 to 0 Age Bin Exposure Scenario

Source (a)	Mass GLC		Weight Fraction (d)	Contaminant (e)	Carcinogenic Risk				Noncarcinogenic Hazards/ Toxicological Endpoints**									
	(ug/m ³) (b)	(mg/m ³) (c)			URF	CPF	DOSE	RISK	REL	RfD	RESP	CNS/PNS	CV/BL	IMMUN	KIDN	GI/LV	REPRO	EYES
					(ug/m ³) ⁻¹ (f)	(mg/kg/day) ⁻¹ (g)	(mg/kg-day) (h)	 (i)	(ug/m ³) (j)	(mg/kg/day) (k)	 (l)	 (m)	 (n)	 (o)	 (p)	 (q)	 (r)	 (s)
	0.00020	2.00E-07	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	6.9E-08	2.2E-09	5.0E+00	1.4E-03	4.0E-05							
TOTAL								2.2E-09			4.0E-05	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	

** Key to Toxicological Endpoints

RESP Respiratory System
CNS/PNS Central/Peripheral Nervous System
CV/BL Cardiovascular/Blood System
IMMUN Immune System
KIDN Kidney
GI/LV Gastrointestinal System/Liver
REPRO Reproductive System (e.g. teratogenic and developmental effects)
EYES Eye irritation and/or other effects

Note: Exposure factors used to calculate contaminant intake

exposure frequency (days/year)	350
exposure duration (years)	0.25
inhalation rate (L/kg-day)	361
inhalation absorption factor	1
averaging time (years)	70
fraction of time at home	0.85
age sensitivity factor (age third trimester)	10

Table 2
Quantification of Carcinogenic Risks and Noncarcinogenic Hazards
0-2 Age Bin Exposure Scenario

Source (a)	Mass GLC		Weight Fraction (d)	Contaminant (e)	Carcinogenic Risk				Noncarcinogenic Hazards/ Toxicological Endpoints**									
	(ug/m ³) (b)	(mg/m ³) (c)			URF	CPF	DOSE	RISK	REL	RfD	RESP	CNS/PNS	CV/BL	IMMUN	KIDN	GI/LV	REPRO	EYES
					(ug/m ³) ⁻¹ (f)	(mg/kg/day) ⁻¹ (g)	(mg/kg-day) (h)	 (i)	(ug/m ³) (j)	(mg/kg/day) (k)	 (l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)
	0.00020	2.00E-07	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	2.1E-07	5.3E-08	5.0E+00	1.4E-03	4.0E-05							
TOTAL								5.3E-08			4.0E-05	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	

** Key to Toxicological Endpoints

RESP Respiratory System
 CNS/PNS Central/Peripheral Nervous System
 CV/BL Cardiovascular/Blood System
 IMMUN Immune System
 KIDN Kidney
 GI/LV Gastrointestinal System/Liver
 REPRO Reproductive System (e.g. teratogenic and developmental effects)
 EYES Eye irritation and/or other effects

Note: Exposure factors used to calculate contaminant intake

exposure frequency (days/year) 350
 exposure duration (years) 2
 inhalation rate (L/kg-day) 1090
 inhalation absorption factor 1
 averaging time (years) 70
 fraction of time at home 0.85
 age sensitivity factor (0 to 2 years old) 10

Table 3
Quantification of Carcinogenic Risks and Noncarcinogenic Hazards
2-16 Age Bin Exposure Scenario

Source (a)	Mass GLC		Weight Fraction (d)	Contaminant (e)	Carcinogenic Risk				Noncarcinogenic Hazards/ Toxicological Endpoints**									
	(ug/m ³)	(mg/m ³)			URF (ug/m ³) ⁻¹	CPF (mg/kg/day) ⁻¹	DOSE (mg/kg-day)	RISK (i)	REL (ug/m ³)	RfD (mg/kg/day)	RESP (l)	CNS/PNS (m)	CV/BL (n)	IMMUN (o)	KIDN (p)	GI/LV (q)	REPRO (r)	EYES (s)
	(b)	(c)			(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)
	0.00020	2.00E-07	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	1.1E-07	5.0E-08	5.0E+00	1.4E-03	4.0E-05							
TOTAL								5.0E-08			4.0E-05	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

** Key to Toxicological Endpoints

RESP Respiratory System
CNS/PNS Central/Peripheral Nervous System
CV/BL Cardiovascular/Blood System
IMMUN Immune System
KIDN Kidney
GI/LV Gastrointestinal System/Liver
REPRO Reproductive System (e.g. teratogenic and developmental effects)
EYES Eye irritation and/or other effects

Note: Exposure factors used to calculate contaminant intake

exposure frequency (days/year)	350
exposure duration (years)	14
inhalation rate (L/kg-day)	572
inhalation absorption factor	1
averaging time (years)	70
fraction of time at home	0.72
age sensitivity factor (ages 2 to 16 years)	3

Table 4
Quantification of Carcinogenic Risks and Noncarcinogenic Hazards
16-30 Age Bin Exposure Scenario

Source	Mass GLC		Weight Fraction	Contaminant	Carcinogenic Risk				Noncarcinogenic Hazards/ Toxicological Endpoints**										
	(ug/m ³)	(mg/m ³)			URF	CPF	DOSE	RISK	REL	RfD	RESP	CNS/PNS	CV/BL	IMMUN	KIDN	GI/LV	REPRO	EYES	
					(ug/m ³) ⁻¹	(mg/kg/day) ⁻¹	(mg/kg-day)	(i)	(ug/m ³)	(mg/kg/day)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)	
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)	
	0.00020	2.00E-07	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	5.0E-08	7.7E-09	5.0E+00	1.4E-03	4.0E-05								
TOTAL					7.7E-09				4.0E-05				0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

0.01

** Key to Toxicological Endpoints

RESP Respiratory System
CNS/PNS Central/Peripheral Nervous System
CV/BL Cardiovascular/Blood System
IMMUN Immune System
KIDN Kidney
GI/LV Gastrointestinal System/Liver
REPRO Reproductive System (e.g. teratogenic and developmental effects)
EYES Eye irritation and/or other effects

Note: Exposure factors used to calculate contaminant intake

exposure frequency (days/year)	350
exposure duration (years)	14
inhalation rate (L/kg-day))	261
inhalation absorption factor	1
averaging time (years)	70
fraction of time at home	0.73
age sensitivity factor (ages 16 to 30 years old)	1

Total Risk for All Age Bins (per million) 0.11

Table 5
Quantification of Carcinogenic Risks and Noncarcinogenic Risks
25-Year Worker Exposure Scenario

	Source	Mass GLC		Weight Fraction	Contaminant	Carcinogenic Risk				Noncarcinogenic Hazards/ Toxicological Endpoints**									
		(ug/m ³)	(mg/m ³)			URF	CPF	DOSE	RISK	REL	RfD	RESP	CNS/PNS	CV/BL	IMMUN	KIDN	GI/LV	REPRO	EYES
	(a)	(b)	(c)	(d)	(e)	(ug/m ³) ⁻¹	(mg/kg/day) ⁻¹	(mg/kg-day)	(i)	(ug/m ³)	(mg/kg/day)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)
1	Diesel Particulates	1.26E-03	1.26E-06	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	2.0E-07	7.4E-08	5.0E+00	1.4E-03	2.5E-04							
TOTAL									7.4E-08 0.07			2.5E-04	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

** Key to Toxicological Endpoints

Note:

Exposure factors used to calculate contaminant intake

RESP	Respiratory System	exposure frequency (days/year)	250
CNS/PNS	Central/Peripheral Nervous System	exposure duration (years)	25
CV/BL	Cardiovascular/Blood System	inhalation rate (L/kg-day))	230
IMMUN	Immune System	inhalation absorption factor	1
KIDN	Kidney	averaging time (years)	70
GI/LV	Gastrointestinal System/Liver		
REPRO	Reproductive System (e.g. teratogenic and developmental effects)		
EYES	Eye irritation and/or other effects		

APPENDIX C

BIOLOGICAL SURVEY

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HARMSWORTH ASSOCIATES

Environmental Consultants

March 30, 2021

Clark Neuhoff
Alere Property Group
100 Bayview Circle, Suite 310
Newport Beach, CA 92660

Dear Mr. Neuhoff:

Re: San Francisco Avenue Project Biological Survey

This letter report presents the findings of a biological constraints survey conducted at the San Francisco Avenue project site. The site consists of two adjacent properties located at 1401 San Francisco Avenue and 929 Anaheim Street, Long Beach, Los Angeles County, California. The assessment was conducted under contract to Alere Property Group. In March 2021, Harmsworth Associates biologist Paul Galvin, conducted surveys and a biological assessment of the project site to evaluate potential biological constraints and to document existing site conditions.

Project location and project description

The project is located in Long Beach, Los Angeles County, California; and is located within the Long Beach USGS 7.5 minute quadrangle (Figures 1-3). The proposed project consists of two adjacent properties; located at 1401 San Francisco Avenue and 929 Anaheim Street. The Los Angeles River is located to the west and San Francisco Avenue to the east. The site and vicinity is in a developed portion of Long Beach city. The site is separated from the Los Angeles River by a bike trail.

The project is a re-development and consists of development of two new office/warehouse buildings and associated parking spaces on the existing developed lot. Existing structures would be removed as part of the re-development.

Currently the entire project vicinity is flat with an elevation of approximately 11 feet above mean sea level. The entire project site has been paved. The area has a Mediterranean type climate, with hot dry summers and cool relatively wet winters. Annual precipitation for the area is approximately 12.3 inches, and average annual temperature ranges from 55⁰ to 74⁰ F.

Survey methods

The site visit was conducted on 29 March, 2021 by Harmsworth Associate biologist Paul Galvin. The habitat assessment and survey consisted of a general walk-around to all portions of the site, documenting site vegetation; habitats and evidence of wildlife presence.

All areas of the site were surveyed and assessed. Focused surveys for special status plant species¹ and special status wildlife species² were not conducted as part of the surveys. In addition to surveys and habitats assessments existing biological data for the area, such as the California Natural Diversity Data Base (CNDDB 2021) and the California Native Plant Society Inventory of rare and endangered vascular plants of California (Tibor 2001; 6th Edition of CNPS Inventory, CNPS 2021), were reviewed (Photographs 1-8).

Existing site conditions

The entire project area is an existing development in a developed portion of Long Beach city. The entire site is paved or supports existing structures, except for a few very small landscaped areas. The property was an empty lot with two empty buildings.

A small landscaped area existed at the entrance to the 1401 San Francisco Avenue property. There were no natural vegetated areas or undeveloped land. A few non-native weeds grew in cracks in the pavement and the dirt adjacent to the western boundary fence. Weeds present included tree tobacco (*Nicotiana glauca*), brome grasses (*Bromus* spp.), prickly lettuce (*Lactuca serriola*), prickly sow-thistle (*Sonchus asper*), castor bean (*Ricinus communis*), filaree (*Erodium* sp.), California burclover (*Medicago polymorpha*), wild radish (*Raphanus raphanistrum*), trumpet vine (*Campsis* sp.), grape (*Vitis* sp.) and pigweed (*Amaranthus retroflexus*).

Wildlife was sparse due to the lack of native habitats and poor site conditions. Species detected were typical of disturbed/developed areas and included rock dove (*Columba livia*), house sparrow (*Passer domesticus*) and Anna's hummingbird (*Calypte anna*).

Potential issues

Special status species

The site has very limited value to native plants and wildlife due to the disturbed and developed nature of the site and the complete absence of native habitats onsite. The site has no potential to support special status plant or wildlife species (which includes federal and state listed threatened, endangered species, proposed or candidate plant or wildlife species) and no focused surveys for any special status species are required.

Wildlife movement

None of the proposed sites are in areas that could potentially provide movement corridors for wildlife species.

¹ Special status plant species = federal or state listed threatened or endangered species, or proposed endangered, threatened or candidate species, California Native Plant Society Species List (CNPS list 1-4), or otherwise sensitive species.

² Special status wildlife species = federal or state listed threatened or endangered species, or proposed endangered, threatened or candidate species, or otherwise sensitive species.

Federal Migratory Bird Treaty Act of 1918 (MBTA)

The MBTA governs the taking and killing of migratory birds, their eggs, parts, and nests and prohibits the take of any migratory bird, their eggs, parts, and nests. No take of migratory birds is allowed under this act. Construction work at areas with potential to support nesting birds must comply with the MBTA.

Wetlands, Waters of the U.S.

No wetlands or Waters of the U.S. and no areas that would be subject to the jurisdiction of the U.S. Army Corps of Engineers (Corps), California Department of Fish and Wildlife (CDFW) or California Regional Water Quality Control Board (CRWQCB) occur onsite.

Biological constraints

There are no biological constraints at the project site.

References

California Natural Diversity Data Base (CNDDB) 2021. Long Beach USGS 7.5-minute quadrangle.

California Native Plant Society (CNPS) 2021. Online version of California Native Plant Society's Inventory of Rare and Endangered Vascular Plants of California. <http://www.cal.net/~levinel/cgi-bin/cnps/sensinv.cgi>

Natural Resources Conservation Service (NRCS) 2021. Soil Survey. <http://websoilsurvey.nrcs.usda.gov/app/HomePage.htm>.

Tibor, D.P. (ed.) 2001. 6th Edition. California Native Plant Society's Inventory of Rare and Endangered Vascular Plants of California. California Native Plant Society, Sacramento, CA.

If you have any questions or require additional information, please call me at (714) 287-4986.

Sincerely

Harmsworth Associates

A handwritten signature in black ink, appearing to read "Paul Galvin". The signature is fluid and cursive, with the first name "Paul" being more legible than the last name "Galvin".

Paul Galvin, M.S.
Vice President

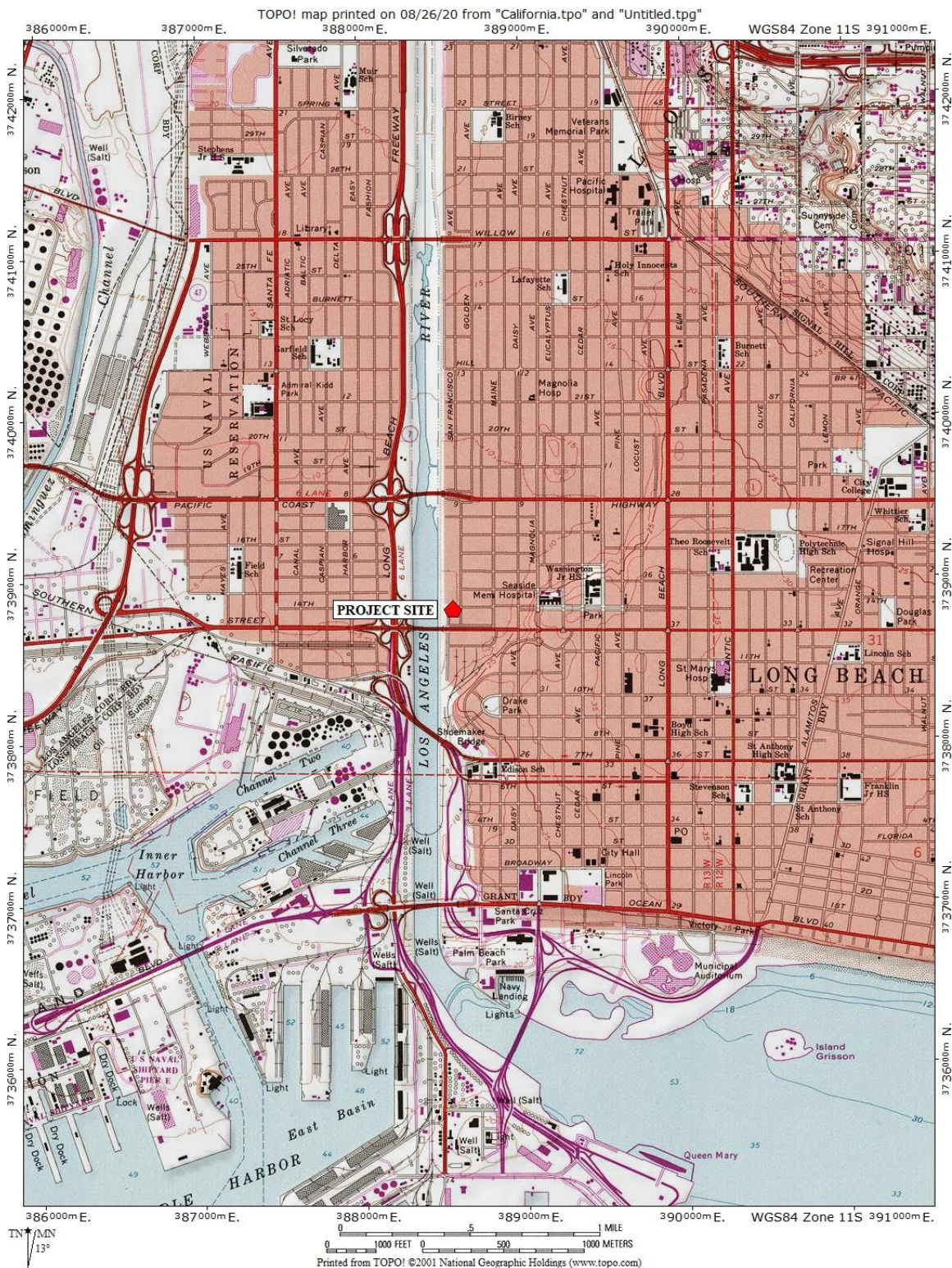


Figure 1: San Francisco Avenue Project. Approximate project location as red pentagon. Source: USGS Topographic map, Long Beach USGS 7.5 minute quadrangle.

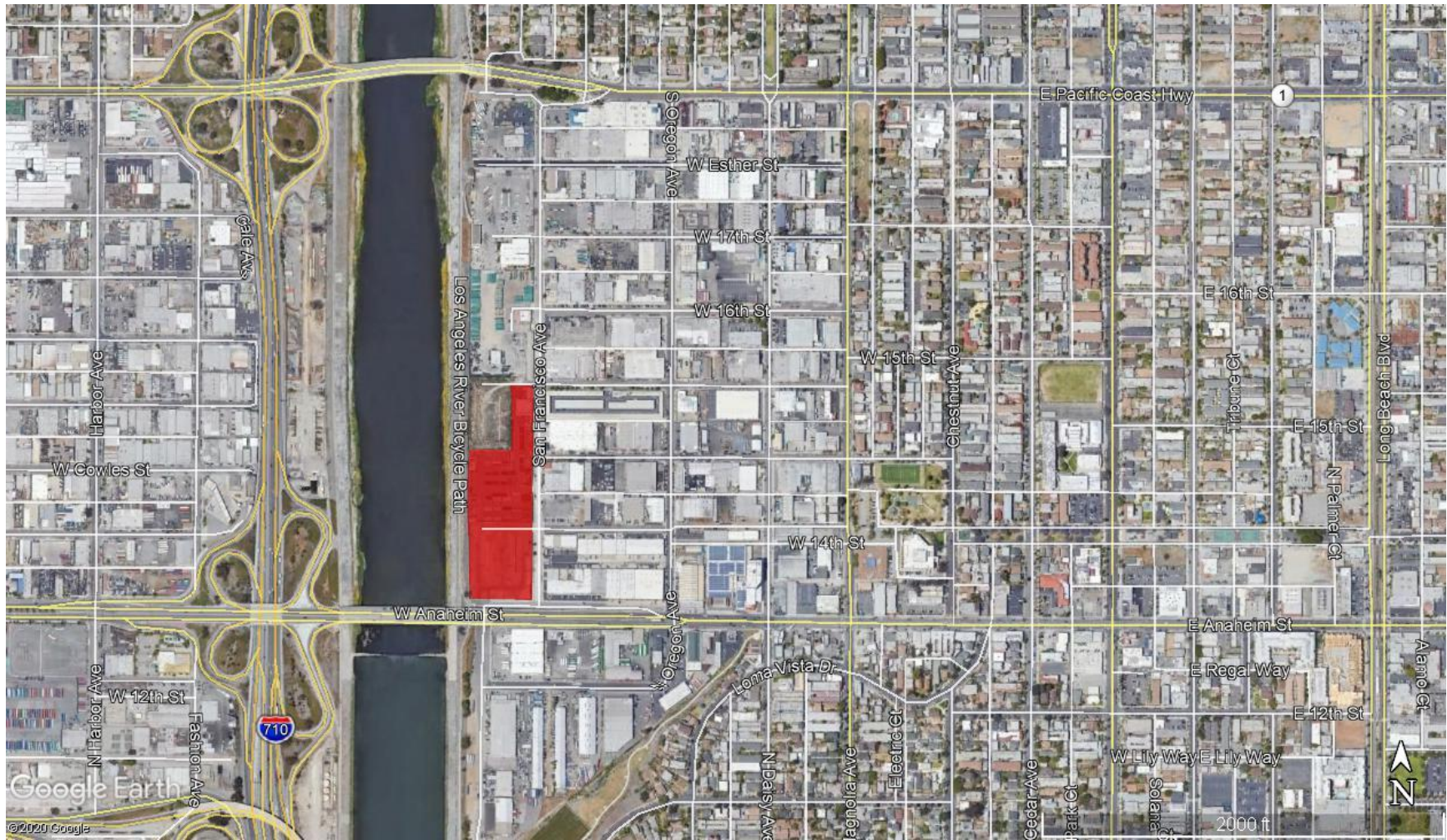


Figure 2: San Francisco Avenue Project location. Source: Google Earth, Inc.

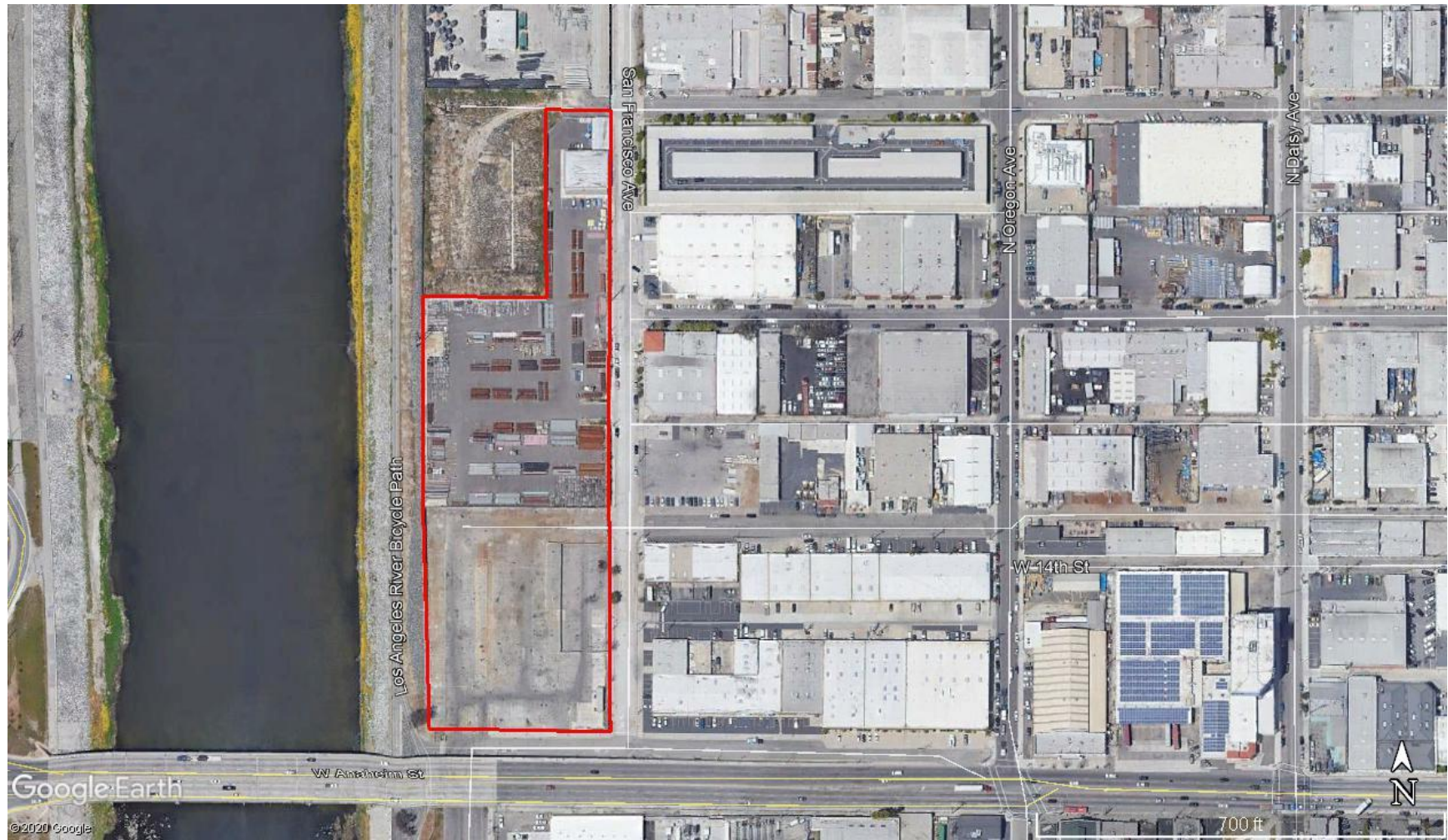


Figure 3: San Francisco Avenue Project. Source: Google Earth, Inc.



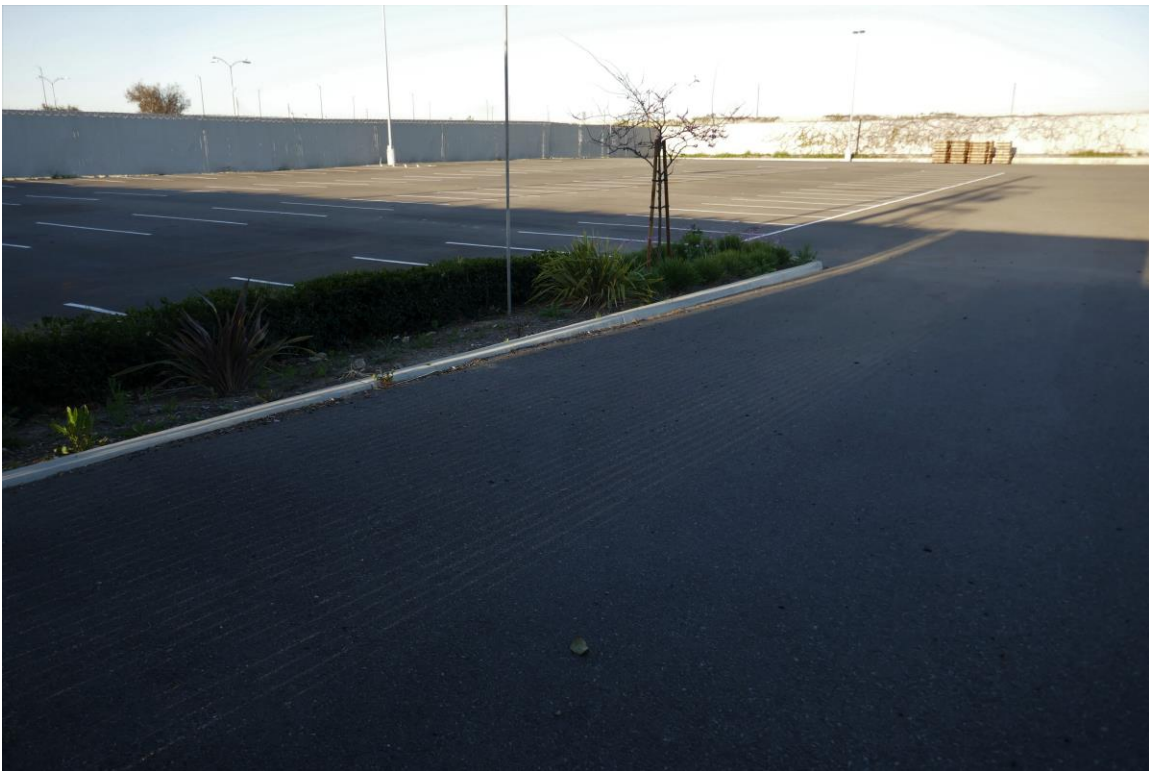
Photograph 1: 1401 San Francisco Avenue property, looking northeast from bikeway, March 29, 2021.



Photograph 2: 1401 San Francisco Avenue property, looking south, March 29, 2021.



Photograph 3: 1401 San Francisco Avenue property, looking north, March 29, 2021.



Photograph 4: 1401 San Francisco Avenue property, looking southwest, March 29, 2021.



Photograph 5: 929 Anaheim Street property, looking northeast from bikeway, March 29, 2021.



Photograph 6: 929 Anaheim Street property, looking south, March 29, 2021.



Photograph 7: 929 Anaheim Street property, looking southeast, March 29, 2021.



Photograph 8: 929 Anaheim Street property, looking northeast, March 29, 2021.

APPENDIX D

CULTURAL RESOURCES ASSESSMENT

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CULTURAL RESOURCES ASSESSMENT

**929 West Anaheim Street and 1401 San Francisco Avenue Project
City of Long Beach, Los Angeles County, California**

Prepared for:

Clark Neuhoff
Alere Property Group LLC
www.alerellc.com

Prepared by:

David Brunzell, M.A., RPA
BCR Consulting LLC
Claremont, California 91711
Project No. ALE2101

Data Base Information:

Type of Study: Intensive Survey

Resources Recorded: One Historic-period building at 1401 San Francisco Avenue

USGS Quadrangle: 7.5-minute Long Beach, California (1964)



BCRCONSULTING LLC

May 13, 2021

MANAGEMENT SUMMARY

BCR Consulting LLC (BCR Consulting) is under contract to Alere Property Group LLC to complete a Cultural Resources Assessment of the proposed 929 West Anaheim Street and 1401 San Francisco Avenue Project (project) in the City of Long Beach (City), Los Angeles County, California. The project occupies approximately 6.21 acres and is bounded by San Francisco Avenue on the east, the channelized Los Angeles River levy on the west, by an industrial property to the north, and Anaheim Street to the south. A cultural resources records search, additional research, intensive-level pedestrian field survey, Sacred Lands File search with the Native American Heritage Commission (NAHC), and vertebrate paleontological resources assessment were conducted for the project in partial fulfillment of the California Environmental Quality Act (CEQA).

The records search revealed that 20 previous cultural resources studies have taken place, and 23 cultural resources (21 historic-period buildings/structures and two prehistoric archaeological sites) have been recorded within one half-mile of the project site. Three previous studies have assessed the project site, and no cultural resources have been previously recorded within its boundaries. During the field survey, BCR Consulting personnel identified one historic-period industrial warehouse building within the project site boundaries. This building is not recommended eligible for the California Register of Historical Resources (California Register) or as a City Landmark (Long Beach Municipal Code Chapter 2.63.050). As such this resource is not recommended a "historical resource" under CEQA. It does not warrant further consideration. Furthermore, previous construction-related excavation on the project site and disturbances from the channelizing of the Los Angeles River have disturbed sediments beyond depths at which buried prehistoric cultural resources are likely. Based on these results, BCR Consulting recommends that no additional cultural resources work or monitoring is necessary for any proposed project activities. However, if previously undocumented cultural resources are identified during earthmoving activities, a qualified archaeologist shall be contacted to assess the nature and significance of the find, diverting construction excavation if necessary.

If human remains are encountered during the undertaking, State Health and Safety Code Section 7050.5 states that no further disturbance shall occur until the County Coroner has made a determination of origin and disposition pursuant to Public Resources Code Section 5097.98. The County Coroner must be notified of the find immediately. If the remains are determined to be prehistoric, the Coroner will notify the Native American Heritage Commission (NAHC), which will determine and notify a Most Likely Descendant (MLD). With the permission of the landowner or his/her authorized representative, the MLD may inspect the site of the discovery. The MLD shall complete the inspection within 48 hours of notification by the NAHC.

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B:	PALEONTOLOGICAL RESOURCES ASSESSMENT
C:	NATIVE AMERICAN HERITAGE COMMISSION CORRESPONDENCE
D:	RECORDS SEARCH BIBLIOGRAPHY

INTRODUCTION

BCR Consulting LLC (BCR Consulting) is under contract to Alere Property Group LLC to complete a Cultural Resources Assessment of the proposed 929 West Anaheim Street and 1401 San Francisco Avenue Project (project) in the City of Long Beach (City), Los Angeles County, California. A cultural resources records search, additional research, intensive-level pedestrian field survey, Sacred Lands File search with the Native American Heritage Commission (NAHC), and vertebrate paleontological resources assessment were conducted for the project in partial fulfillment of the California Environmental Quality Act (CEQA). The project occupies approximately 6.21 acres and is bounded by San Francisco Avenue on the east, the channelized Los Angeles River levy on the west, by an industrial property to the north, and Anaheim Street to the south. The project site is located in a non-sectioned portion of Township 4 South, Range 13 West, San Bernardino Baseline and Meridian. It is depicted on the United States Geological Survey (USGS) *Long Beach, California* (1964) 7.5-minute topographic quadrangle (Figure 1).

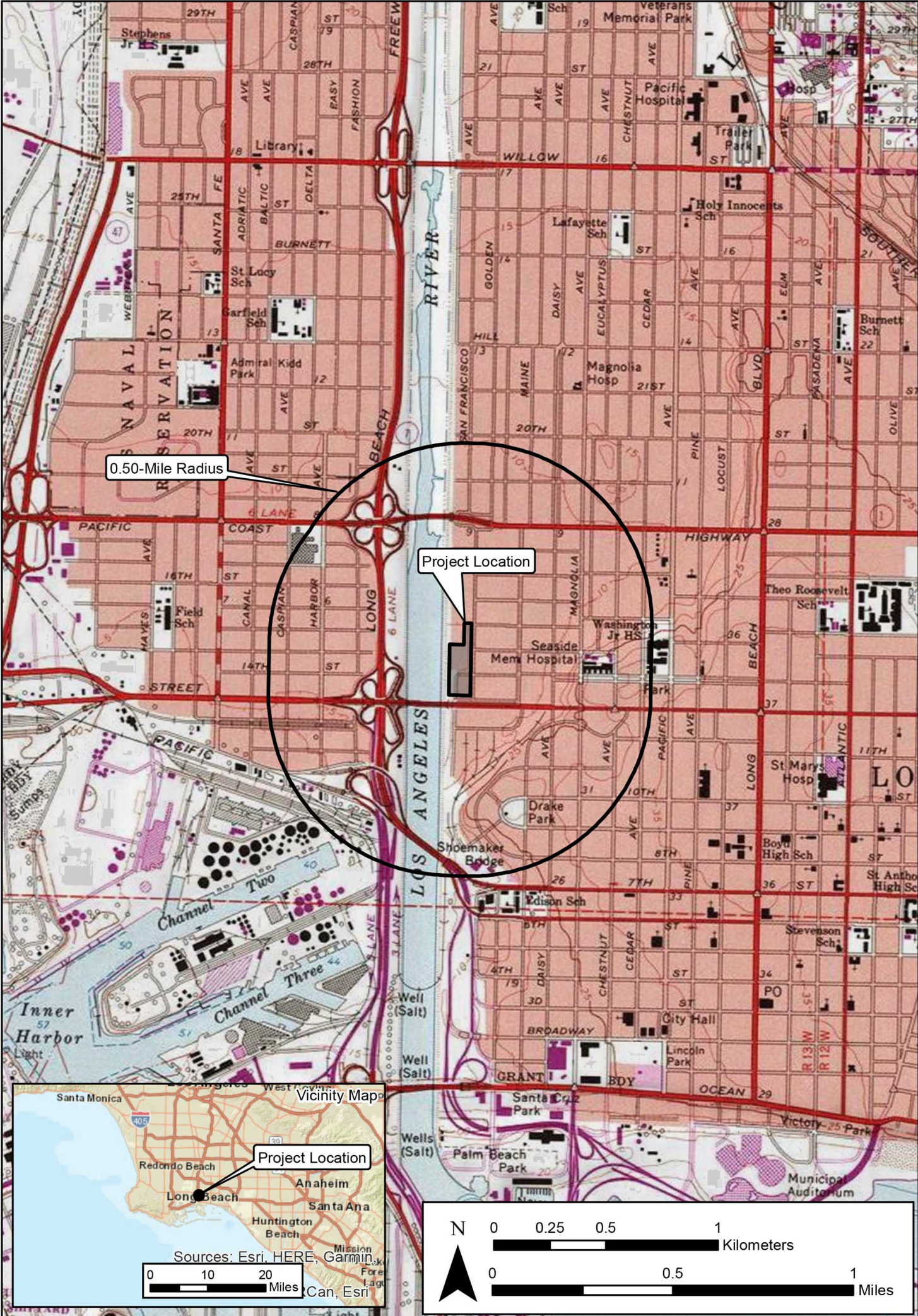
NATURAL SETTING

The local geologic region coincides with the physiographic area known as the Los Angeles Basin. It is characterized as a transverse-oriented lowland basin and coastal plain approximately 50 miles long and 20 miles wide. The basin originated as a deep marine trough during the Pliocene (7-2 million years ago) that eventually filled with shallow water fossil bearing sediments. By the beginning of the Pleistocene (after 2 million years ago) uplifting created the series of plains and mesas along the coast that now characterize the area (Lambert 1994, Mendenhall 1905, Woodford et al. 1954). Local rainfall ranges from 5 to 15 inches annually (Jaeger and Smith 1971:36-37). Local vegetation communities are naturally dominated by coastal sage scrub and riparian vegetation, although urbanization prevents its proliferation in much of the project region (Williams et al. 2008:117, 122). See Bean and Saubel (1972) for use of these biotic communities by prehistoric and historic inhabitants. Flood control efforts during the 1930s rerouted the Los Angeles River from one-half mile east, to its current location along the project site's western boundary (Patzert et al. 2014, USGS 1902, USGS 1964). Excavation of the river channel and excavation for building construction on the project site have disturbed sediments beyond depths at which buried cultural resources are likely.

CULTURAL SETTING

Prehistoric Context

The local prehistoric cultural setting has been organized into many chronological frameworks (see Warren and Crabtree 1986; Bettinger and Taylor 1974; Lanning 1963; Hunt 1960; Wallace 1958, 1962, 1978; Campbell and Campbell 1935), although there is no definitive sequence for the region. The difficulties in establishing cultural chronologies for southern California are a function of its enormous size and the small amount of archaeological excavations. Moreover, throughout prehistory many groups have occupied the area and their territories often overlap spatially and chronologically resulting in mixed artifact deposits. Due to dry climate and capricious geological processes, these artifacts rarely become integrated in-situ. Lacking a milieu hospitable to the preservation of cultural midden, local chronologies have relied upon temporally diagnostic artifacts, such as



BCRCONSULTING LLC

Project Location Site
929 West Anaheim Street/1401 San Francisco Avenue Project
Reference: ESRI; USGS Quad: Long Beach, California (1964)

Figure 1

Alere LLC

projectile points, or upon the presence/absence of other temporal indicators, such as groundstone. Such methods are instructive, but can be limited by prehistoric occupants' Concurrent use of different artifact styles, or by artifact re-use or re-sharpening, as well as researchers' mistaken diagnosis, and other factors (see Flenniken 1985; Flenniken and Raymond 1986; Flenniken and Wilke 1989). Recognizing the shortcomings of comparative temporal indicators, this study recommends review of Warren and Crabtree (1986), who have drawn upon this method to produce a relatively comprehensive chronology.

Ethnography

The Gabrielino probably first encountered Europeans when Spanish explorers reached California's southern coast during the 15th and 16th centuries (Bean and Smith 1978; Kroeber 1925). The first documented encounter, however, occurred in 1769 when Gaspar de Portola's expedition crossed Gabrielino territory (Bean and Smith 1978). Other brief encounters took place over the years, and are documented in McCawley 1996 (citing numerous sources). The Gabrielino name has been attributed by association with the Spanish mission of San Gabriel, and refers to a subset of people sharing speech and customs with other Cupan speakers (such as the Juaneño/Luiseño/Ajachemem) from the greater Takic branch of the Uto-Aztecan language family (Bean and Smith 1978). Gabrielino villages occupied the watersheds of various rivers (locally including the Santa Ana) and intermittent streams. Chiefs were usually descended through the male line and often administered several villages. Gabrielino society was somewhat stratified and is thought to have contained three hierarchically ordered social classes which dictated ownership rights and social status and obligations (Bean and Smith 1978:540-546). Plants utilized for food were heavily relied upon and included acorn-producing oaks, as well as seed-producing grasses and sage. Animal protein was commonly derived from rabbits and deer in inland regions, while coastal populations supplemented their diets with fish, shellfish, and marine mammals (Boscana 1933, Heizer 1968, Johnston 1962, McCawley 1996). Dog, coyote, bear, tree squirrel, pigeon, dove, mud hen, eagle, buzzard, raven, lizards, frogs, and turtles were specifically not utilized as a food source (Kroeber 1925).

History

Historic-era California is generally divided into three periods: the Spanish or Mission Period (1769 to 1821), the Mexican or Rancho Period (1821 to 1848), and the American Period (1848 to present).

Spanish Period. The first European to pass through the area is thought to be a Spaniard called Father Francisco Garces. Having become familiar with the area, Garces acted as a guide to Juan Bautista de Anza, who had been commissioned to lead a group across the desert from a Spanish outpost in Arizona to set up quarters at the Mission San Gabriel in 1771 near what today is Pasadena (Beck and Haase 1974). Garces was followed by Alta California Governor Pedro Fages, who briefly explored the region in 1772. Searching for San Diego Presidio deserters, Fages had traveled through Riverside to San Bernardino, crossed over the mountains into the Mojave Desert, and then journeyed westward to the San Joaquin Valley (Beck and Haase 1974).

Mexican Period. In 1821, Mexico overthrew Spanish rule and the missions began to decline. By 1833, the Mexican government passed the Secularization Act, and the missions, reorganized as parish churches, lost their vast land holdings, and released their neophytes (Beattie and Beattie 1974).

American Period. The American Period, 1848–Present, began with the Treaty of Guadalupe Hidalgo. In 1850, California was accepted into the Union of the United States primarily due to the population increase created by the Gold Rush of 1849. The cattle industry reached its greatest prosperity during the first years of the American Period. Mexican Period land grants had created large pastoral estates in California, and demand for beef during the Gold Rush led to a cattle boom that lasted from 1849–1855. However, beginning about 1855, the demand for beef began to decline due to imports of sheep from New Mexico and cattle from the Mississippi and Missouri Valleys. When the beef market collapsed, many California ranchers lost their ranchos through foreclosure. A series of disastrous floods in 1861–1862, followed by a significant drought further diminished the economic impact of local ranching. This decline combined with ubiquitous agricultural and real estate developments of the late 19th century, set the stage for diversified economic pursuits that continue to this day (Beattie and Beattie 1974; Cleland 1941).

Local Sequence. The Long Beach area was part of the Spanish-era Rancho Los Nietos (originally called La Zanja) granted in 1784 to Jose Manuel Nieto, a soldier from San Diego. The property included 300,000 acres of land that stretched south from present-day Whittier to the ocean. It was eventually cut in half due to claims by the priests of San Gabriel that it encroached on Mission lands. Nieto retired from the Spanish Military in 1795 to focus on ranching activities until his death in 1804. His widow and five children inherited the property, and it was managed by his oldest son Juan Jose. When Mexico gained independence, Rancho Los Nietos was divided among the family into five smaller ranchos: Santa Gertrudes, Las Bolsas, Los Alamitos, Los Cerritos, and Los Coyotes. Within the next 10 years all had been sold outside the Nieto family. In 1844 Los Cerritos (which contained the project area) was sold to John “Don Juan” Temple, a successful American merchant who came to California and married a Spanish-Californian wife (Cenovich 1995). Temple retained the ranch when California was ceded to the U.S. and continued to manage operations on the property until the drought of the 1860s decimated his herd. He sold the property to an American firm called Flint, Bixby, & Co. in 1866 and Jotham Bixby purchased it from the firm for his family in 1869. The Bixbys initially raised sheep, but in the late 19th century they began to sell parcels to the growing American immigrant population (National Park Service 2018). 4,000 acres were purchased by William E. Willmore, who attempted to develop a farm community named Willmore City. Willmore failed and the land was subsequently purchased by the Long Beach Land and Water Company, who named the community Long Beach.

The City of Long beach was incorporated in 1897 and a modern economy began to take shape. During the early 20th century local commerce was led by resort-based businesses and farming, but by the 1940s the oil industry, Navy facilities, and port dominated the scene (California Department of Conservation 2007). The development of these industries between 1921 and 1936 tripled the Long Beach population and highlighted the need for major infrastructure improvements to the Port of Long Beach and the Port of Los Angeles. Flood control efforts during the 1930s rerouted the Los Angeles River from one-half east to its current location along the project site’s western boundary, enabling development of land previously prone to flooding (Patzert et al. 2014, USGS 1902, USGS 1964). In 1933 a 6.4 earthquake destroyed many of the City’s masonry buildings and disabled local natural gas utilities. The damage prompted Long Beach to adopt stricter construction codes, and the revitalization efforts resulted in many new Art Deco or Streamline Moderne style buildings which remain visible in much of today’s cityscape (City of Long Beach 2010).

More ubiquitous local trends of the 1930s brought housing shortages which, in combination with the Great Depression, prompted the County of Los Angeles to create a housing authority. This new organization was responsible for Southern California's first affordable housing complex in Long Beach, known as the Carmelitos Housing Project. The project was completed in 1939 and included 67 buildings on 50 acres, all of which were inhabited within a year. This initial success led to the development of the Ramona Gardens and Harbor Hills complexes, both completed in 1941. Like many port cities, World War II brought a bustling military industry to Long Beach which caused significant economic boosts, as well as ethnic upheaval. A large Japanese population on Terminal Island was subject to internment during the war and despite the efforts mentioned above, the continuing housing shortage displaced many Greek and Portuguese immigrants. At the same time the African American population of Long Beach expanded considerably as part of the most consequential years of the Great Migration from the rural south. After the war, many veterans moved to Long Beach prompting privately-funded development of new residential neighborhoods as well as corresponding infrastructure and expanded City services. These population pressures served to erase most traces of orchards, dairies, and other agricultural developments from the early part of the century (Ivers 2009). The trends, markedly visible throughout much of California, were decidedly magnified in Long Beach. As the population continued to grow and diversify, civil rights activists and lawmakers teamed up to enact legislation and policies to encourage more fair access to housing and services (Addison 2017). Expansion into the Bixby Knolls and North Long Beach areas followed along with 9.8 square miles of land annexation, most of which was allotted for new subdivisions and residential in-fill throughout the City (City of Long Beach 2010). Expansion included more intensive use and development of municipal City properties evidenced by a master plan for parks, shoreline, and city beautification (adopted in 1954) and by more utilitarian developments such as municipal facilities, including the subject property. Growth slowed during the 1960s and did not resume significantly until the 1980s. By this time new residents from Southeast Asia, Mexico, and Central and Latin America immigrated to Long Beach expanding the population from 361,344 in 1980 to 461,257 in 2010. The accompanying redevelopment again began to reshape the City's appearance and six blocks in downtown were demolished for new construction projects (ibid). Late-century developments include the construction of the Aquarium of the Pacific, and adaptive reuse of many old buildings and structures for commercial and residential purposes that continues today. The local economy has gone from an oil and military emphasis during World War II, diversifying to include aerospace and other industries after the war. In spite of significant reductions, Boeing remains the largest private employer in the City. In the last 20 years, electronics, health care, and entertainment businesses have added to the diversifying economy.

PERSONNEL

David Brunzell, M.A., RPA acted as the Project Manager and Principal Investigator for the current study, conducted the additional research, and compiled the Department of Park and Recreation (DPR) 523 forms and technical report. Staff from the South Central Coastal Information Center (SCCIC) completed the cultural resources records search. BCR Consulting Crew Chief Nicholas Shepetuk, B.A. performed the pedestrian field survey.

METHODS

This work was completed pursuant to CEQA, the Public Resources Code (PRC) Chapter 2.6, Section 21083.2, and California Code of Regulations (CCR) Title 14, Chapter 3, Article 5, Section 15064.5, and to Long Beach Municipal Code Chapter 2.63.060. The pedestrian cultural resources survey was intended to locate and document previously recorded or new cultural resources, including archaeological sites, features, isolates, and historic-period buildings, that exceed 45 years in age within defined project boundaries. The project site was examined using 15-meter transect intervals, where accessible. This study is intended to determine whether cultural resources are located within the project boundaries, whether any cultural resources are significant pursuant to the above-referenced regulations and standards, and to develop specific mitigation measures that will address potential impacts to existing or potential resources. Tasks pursued to achieve that end include:

- Cultural resources records search to review the results of any studies conducted within a one-mile radius of the project boundaries
- Additional research through various local and regional resources
- Systematic pedestrian survey of the entire accessible project site
- California Register and City Landmark eligibility evaluation for resources identified
- Development of recommendations and mitigation measures for cultural resources documented within the project boundaries, following CEQA
- Completion of DPR 523 forms for any discovered cultural resources
- Vertebrate paleontology resources report through the Western Science Center.

Research

Records Search. On May 4, 2021 a records search was conducted by the South Central Coastal Information Center at California State University, Fullerton. This archival research reviewed the status of all recorded historic and prehistoric cultural resources, and survey and excavation reports completed within one half-mile of the current project. Additional resources reviewed included the National Register, the California Register, and documents and inventories published by the California Office of Historic Preservation. These include the lists of California Historical Landmarks, California Points of Historical Interest, Listing of National Register Properties, and the Inventory of Historic Structures.

Additional Research. BCR Consulting performed additional research through records of the General Land Office Maintained by the Bureau of Land Management, the City of Long Beach, the Los Angeles County Assessor, and through various Internet resources.

Field Survey

An intensive-level cultural resources field survey of the project site was conducted on March 18, 2021. The survey was conducted by walking parallel transects spaced approximately 15 meters apart across the accessible project site. Cultural Resources were recorded on DPR 523 forms. Digital photographs were taken at various points within the project site. These included overviews as well as detail photographs of all cultural resources. Cultural resources were recorded per the California OHP *Instructions for Recording Historical Resources* in the field using:

- Detailed note taking for entry on DPR Forms (see Appendix A)

- Hand-held Garmin Global Positioning systems for mapping purposes
- Digital photography of all cultural resources (see Appendix A).

RESULTS

Research

Records Search. Data from the SCCIC revealed that 20 previous cultural resources studies have taken place, and 23 cultural resources (21 historic-period buildings/structures and two prehistoric archaeological sites) have been recorded within one half-mile of the project site. Three previous studies have assessed the project site, and no cultural resources have been previously recorded within its boundaries. The Long Beach Historic Preservation Element was also reviewed during this effort. The records search is summarized in Table A, and a comprehensive bibliography is provided in Appendix D.

Table A. Cultural Resources and Reports Within One Half-Mile of the Project Site

USGS 7.5 Min Quad	Cultural Resources Within 1 Mile of Project Site	Studies W/in 1 Mile
<i>Long Beach, California (1964)</i>	P-19-693: prehistoric site with human remains (1/2 mile S) P-19-694: prehistoric shell midden (1/2 mile SE) P-19-150346: historic-period building (1/2 mile SE) P-19-150346: historic-period building (1/2 mile SE) P-19-178699: historic-period building (1/2 mile S) P-19-187125: historic-period residence (3/4 mile NE) P-19-187128: historic-period residence (1/2 mile E) P-19-187128: historic-period residence (1/2 mile E) P-19-187134: historic-period residence (1/2 mile E) P-19-187148: historic-period residence (1/2 mile E) P-19-187199: historic-period residence (1/2 mile SE) P-19-187200: historic-period residence (1/2 mile E) P-19-187218: historic-period building (1/2 mile SE) P-19-187223: historic-period building (1/2 mile SE) P-19-187236: historic-period residence (1/2 mile N) P-19-187240: historic-period residence (1/2 mile E) P-19-188864: historic-period pumping plant (1 mile E) P-19-188865: historic-period storage yard (1/2 mile SE) P-19-188866: historic-period machine shop (1/2 mile E) P-19-190588: historic-period smoke house (1/2 mi. SW) P-19-190716-18: historic-period building (1/4 mile SE) P-19-192739: Los Angeles Flood Channel (Adjacent W) P-19-192743: industrial building (Adjacent N)	LA-358, 503, 2399, 2665, 3102*, 3508, 4130, 4625, 6062, 7984, 8255, 8475, 8724, 9129, 10527, 11029, 11993*, 12228, 12389, 12808*

*Previously assessed project site for cultural resources.

Additional Research. Additional research was performed for the project site to provide the background for the building developed during the historic era (i.e. greater than 45 years ago) within its boundaries (see also Field Survey Results, below). Review of the Long Beach Historic Preservation Element did not reveal any City Historic Districts or Designated Structures within or near the project site.

City records indicate that a single warehouse building located on the property at 1401 San Francisco Avenue was built during the historic era, in 1950 (see Brunzell 2018). It was

apparently constructed concurrently with its counterpart, a matching office building fronting 1601 San Francisco Avenue at the adjacent property to the north. Together, both properties and their constituent buildings and structures comprised the Long Beach Public Service Department Yard. Like its counterpart, the warehouse building at the subject property (1401 San Francisco Avenue) was designed by designing engineer Joseph H. Davies, who also designed the Davies Bridge. Its windows were replaced at an unknown date, and building permits indicate that a large front window was covered and a 12 by 14-foot opening for a roll-up door was permitted in 2015 (City of Long Beach 2015). Although none of the subject property's pre-1950 buildings remain in place, it has comprised part of the Long Beach Public Service Department Yard since prior to 1929. Building permits indicate that a municipal garage located on the property was altered in 1929, and a 1600 square foot carpenter shop was constructed on the property in 1932 (City of Long Beach 1929, 1932). In 1959 an electrical control facility that served as a "mechanical brain" to regulate downtown traffic signals was built on the property, and an 85 cubic foot per second storm drain pumping station was on the property until 1968, when it was removed and upgraded at a different location (Long Beach Independent August 7, 1959 and April 18, 1968). These facilities and several other buildings have been constructed and demolished on the subject property over the decades. The only historic-period building that remains in place is the warehouse building fronting 1401 San Francisco Avenue that was built in 1950 (ibid).

Field Survey

During the field survey Nick Shepetuk carefully inspected the accessible project site. The subject property is occupied by a warehouse building with adjoining covered parking (historic in age), and a modern portable wood building. The subject property is surrounded by chain link fencing. Since the modern portable is not historic in age, it does not require further consideration. The historic-period warehouse is a square, flat-roofed concrete building facing San Francisco Avenue in the northern portion of the property. All walls contain windows, the largest of which faces San Francisco Avenue and has been covered. Access is provided through large metal doors on the west and north, and through a double door on the south. The eaves exhibit moderate overhang and a wood-framed covered parking structure adjoins the main building at its north elevation. The unbuilt portions of the property are paved.

SIGNIFICANCE EVALUATIONS

During the field survey, one historic period building was identified. CEQA and the City Municipal Code call for the evaluation and recordation of historic and archaeological resources. The criteria for determining the significance of impacts to cultural resources are based on Section 15064.5 of the *CEQA Guidelines* and Guidelines for the Nomination of Properties to the California Register. Properties eligible for listing in the California Register and subject to review under CEQA are those meeting the criteria for listing in the California Register, or designation under a local ordinance.

Significance Criteria

California Register of Historical Resources. The California Register criteria are based on National Register criteria. City Landmark Designation criteria are similar to California Register criteria; the differences are bracketed [] below. For a property to be eligible for

inclusion on the California Register or as a City Landmark, one or more of the following criteria must be met:

1. It is associated with the events that have made a significant contribution to the broad patterns of local [including City] or regional history, or the cultural heritage of California or the U.S.;
2. It is associated with the lives of persons important to local [the City's], California, or U.S. history;
3. It embodies the distinctive characteristics of a type, period, region, or method of construction, represents the work of a master, possesses high artistic values; and/or
4. It has yielded, or has the potential to yield, information important to the prehistory or history of the local area, California, or the nation.

In addition to meeting one or more of the above criteria, the California Register requires that sufficient time has passed since a resource's period of significance to "obtain a scholarly perspective on the events or individuals associated with the resources." (CCR 4852 [d][2]). The California Register also requires that a resource possess integrity. This is defined as the ability for the resource to convey its significance through seven aspects: location, setting, design, materials, workmanship, feeling, and association.

California Register Evaluation

The subject property has comprised part of the Long Beach Public Service Department Yard since the 1920s. The property configuration has been altered and several buildings have been constructed and demolished over the decades. Only the warehouse building constructed in 1950 is extant. Although the warehouse building fits within a context of mid-century modern municipal industrial development, it is not associated with important events related to the founding and/or development of the industry. It is therefore not eligible for the California Register or as a City Landmark under Criterion 1. Criterion 2: Building permits from the City show that J.H. Davies was the Architect/Engineer for the building. Mr. Davies was a local engineer of some note. He was employed as a structural and construction engineer for the City of Long Beach, and was in charge of local emergency relief after the 1933 earthquake. He started the firm J.H. Davies and Associates in 1933 which he operated until his death in 1953 at age 51. The firm had 65 employees in 1953 (Long Beach Independent October 28, 1953 p. 24). Mr. Davies' firm designed many local structures, however he is not recognized as a significant person in the founding or advancement of mid-century modern municipal development, and the subject property does not illustrate any important achievements. Therefore the subject property and its building is not associated with the lives of persons important in California's (or the City's) past. Criterion 3: The building does exhibit limited elements of mid-century industrial design (flat roof and overhanging eaves, large windows, use of industrial materials such as concrete and steel), but is not particularly distinctive. It does not represent the work of an important creative individual or possess high artistic values. Therefore, the subject property and its constituent building is not eligible under Criterion 3. Criterion 4: The subject property has not and is not likely to yield information important in prehistory or history and are therefore not eligible for listing under Criterion 4.

The subject property and its historic-age building are therefore recommended not eligible under any of the four criteria for listing on the California Register, and as such are not recommended historical resources under CEQA.

Integrity. As the buildings remain in their original positions and are still in an industrial area, they retain integrity of location, setting, and association. Alterations have diminished integrity of design, materials, workmanship, and feeling.

RECOMMENDATIONS

The historic-period building is not recommended eligible for the California Register or as a City Landmark (Long Beach Municipal Code Chapter 2.63.050). As such this resource is not recommended a “historical resource” under CEQA. It does not warrant further consideration. No other cultural resources were identified within the project site boundaries. Furthermore, previous construction-related excavation on the project site and disturbances from the channelizing of the Los Angeles River have disturbed sediments beyond depths at which buried prehistoric cultural resources are likely. Therefore, no significant impacts related to archaeological or historical resources is anticipated and no further investigations are recommended for the proposed project unless:

- the proposed project is changed to include areas not subject to this study;
- cultural materials are encountered during project activities.

Although the current study has not indicated sensitivity for cultural resources within the project boundaries, ground disturbing activities always have the potential to reveal buried deposits not observed on the surface during previous surveys. Prior to the initiation of ground-disturbing activities, field personnel should be alerted to the possibility of buried prehistoric or historic cultural deposits. In the event that field personnel encounter buried cultural materials, work in the immediate vicinity of the find should cease and a qualified archaeologist should be retained to assess the significance of the find. The qualified archaeologist shall have the authority to stop or divert construction excavation as necessary. If the qualified archaeologist finds that any cultural resources present meet eligibility requirements for listing on the California Register or the National Register, plans for the treatment, evaluation, and mitigation of impacts to the find will need to be developed. Prehistoric or historic cultural materials that may be encountered during ground-disturbing activities include:

- historic artifacts such as glass bottles and fragments, cans, nails, ceramic and pottery fragments, and other metal objects;
- historic structural or building foundations, walkways, cisterns, pipes, privies, and other structural elements;
- prehistoric flaked-stone artifacts and debitage (waste material), consisting of obsidian, basalt, and or cryptocrystalline silicates;
- groundstone artifacts, including mortars, pestles, and grinding slabs;
- dark, greasy soil that may be associated with charcoal, ash, bone, shell, flaked stone, groundstone, and fire affected rocks;

If human remains are encountered during the undertaking, State Health and Safety Code Section 7050.5 states that no further disturbance shall occur until the County Coroner has made a determination of origin and disposition pursuant to Public Resources Code Section

5097.98. The County Coroner must be notified of the find immediately. If the remains are determined to be prehistoric, the Coroner will notify the Native American Heritage Commission (NAHC), which will determine and notify a Most Likely Descendant (MLD). With the permission of the landowner or his/her authorized representative, the MLD may inspect the site of the discovery. The MLD shall complete the inspection within 48 hours of notification by the NAHC.

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APPENDIX A

DEPARTMENT OF PARK AND RECREATION 523 FORMS

PRIMARY RECORD

Primary #
HRI #
Trinomial
NRHP Status Code 6Z

Other Listings
Review Code

Reviewer

Date

Page 1 of 3

*Resource Name or #: 1401 San Francisco Avenue

P1. Other Identifier:

*P2. Location: ☐ Not for Publication ☒ Unrestricted

*a. County: Los Angeles

and (P2b and P2c or P2d. Attach a Location Map as necessary.)

*b. USGS 7.5' Quad: Long Beach, CA Date: 1964

T4S; R13W; Non-sectioned; SBBM

c. Address: 1401 San Francisco Ave City: Long Beach Zip: 90813

d. UTM: Zone: N/A mE/

Elevation: 10' AMSL

e. Other Locational Data: The subject property is located on the west side of San Francisco Ave between West Cowles and 15th Streets. A levy of the channelized portion of the Los Angeles River borders the subject property on the west side.

*P3a. Description: This subject property is occupied by a warehouse building with adjoining covered parking (historic in age), and a modern portable wood building. The subject property is surrounded by chain link fencing. Since the modern portable is not historic in age, it does not require further consideration. The historic-period warehouse is a square, flat-roofed concrete building facing San Francisco Avenue in the northern portion of the property. All walls contain windows, the largest of which faces San Francisco Avenue and has been covered. Access is provided through large metal doors in the west and north walls, and through a double door in the south wall. The eaves provide moderate overhang and a wood-framed covered parking structure adjoins the main building at its north elevation. City records indicate that this building was constructed in 1950. The property was part of the Long Beach Public Service Department Yard (which included 1601 San Francisco Avenue to the north) until recently. The unbuilt portions of the property are paved.

*P3b. Resource Attributes: HP2. Commercial/Industrial

P5a. Photo or Drawing (Photo required for buildings, structures, and objects.)



***P4. Resources Present:**

☒ Building ☐ Structure ☐ Object
☐ Site ☐ District ☐ Element of
District ☐ Other

P5b. Description of Photo:

(View, date, accession #) Photo 1:
Building 1 Overview (N)

*P6. Date Constructed/ Age
and Sources: ☒ Historic c1950
(see page 2) ☐ Prehistoric ☐ Both

*P7. Owner and Address:
City of Long Beach
333 West Ocean Boulevard
Long Beach, California 90802

*P8. Recorded by:
Nicholas Shepetuk
BCR Consulting LLC
Claremont, California 91711

*P9. Date Recorded: 3/18/2021

*P10. Survey Type: Intensive.

*P11. Report Citation: *Cultural
Resources Assessment of the 929
West Anaheim Street/1401 San
Francisco Avenue Project, Long
Beach, Los Angeles County,
California*

*Attachments: ☐ NONE ☐ Location Map ☐ Sketch Map ☒ Continuation Sheet ☒ Building, Structure, and Object Record
☐ Archaeological Record ☐ District Record ☐ Linear Feature Record ☐ Milling Station Record ☐ Rock Art Record
☐ Artifact Record ☐ Photograph Record ☐ Other (List):

BUILDING, STRUCTURE, AND OBJECT RECORD

Page 2 of 3

*NRHP Status Code: 6Z *Resource Name or # (Assigned by recorder) 1401 San Francisco Ave

B1. Historic Name: Long Beach Public Service Department Yard B2. Common Name: City Maintenance Yard
B3. Original Use: City Yard B4. Present Use: Vacant

*B5. **Architectural Style:** Midcentury Modern

*B6. **Construction History:** (Construction date, alterations, and date of alterations): City records indicate a build date of 1950 for this historic-period building (see Brunzell 2018). It was apparently constructed concurrently with its counterpart, a matching office building fronting 1601 San Francisco Avenue at the adjacent property to the north. Together, both properties comprised the Public Service Department Yard. Like its counterpart, the building at 1401 San Francisco Avenue was designed by designing engineer Joseph H. Davies, who also designed the Davies Bridge. Windows were replaced at an unknown date and building permits indicate a 12 by 14 foot opening for a roll-up door was permitted in 2015 (City of Long Beach 2015).

*B7. **Moved?** ☒No ☐Yes ☐Unknown **Date:** N/A **Original Location:** N/A

*B8. **Related Features:** None

B9a. **Architect:** Joseph H. Davies (Engineer) b. **Builder:** Unknown

*B10. **Significance: Theme:** **Area:** Long Beach **Applicable Criteria:** N/A

California Register of Historical Resources requires that a significance criterion (1-4) be met for a resource to be eligible. City of Long Beach Landmark Designation criteria are similar to the California Register requirements; the differences are indicated in brackets []. A resource is eligible if (1) it is associated with events that have made a significant contribution to the broad patterns of California's [the City's] history and cultural heritage; (2) it is associated with the lives of persons important in California's [the City's] past; (3) it embodies the distinctive characteristics of a type, period, region, or method of construction, or represents the work of an important creative individual, or possesses high artistic value; or (4) it has yielded or is likely to yield information important in prehistory or history. The California Register also requires that sufficient time has passed since a resource's period of significance (normally 45 years) to "obtain a scholarly perspective on the events or individuals associated with the resources" (CCR 4852 [d][2]). The California Register also requires that a resource possess integrity. This is defined as the ability for the resource to convey its significance through seven aspects: location, setting, design, materials, workmanship, feeling, and association.

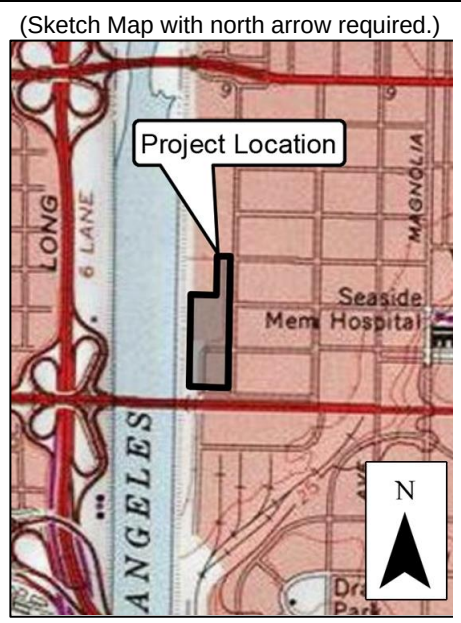
The subject property has comprised part of the Long Beach Public Service Department Yard since long before 1950. Building permits indicate that an existing municipal garage located on the property was altered in 1929, and a 1600 square foot carpenter shop was constructed on the property in 1932 (City of Long Beach 1929, 1932). The property contained an electrical control panel that originally served as a "mechanical brain" to regulate downtown traffic signals in 1959, and it housed an 85 cubic foot per second storm drain pumping station which was removed and upgraded at a different location in 1968 (Long Beach Independent August 7, 1959 and April 18, 1968). These facilities and several other buildings have been constructed and demolished over the decades, although the main building fronting 1401 San Francisco Avenue has been in place since 1950 (ibid).

The historic-period building fits within a context of mid-century modern municipal industrial development, however it is not associated with important events related to the founding and/or development of the industry. It is therefore not eligible for the California Register or as a City Landmark under Criterion 1. Criterion 2: Building permits from the City show that J.H. Davies was the Architect/Engineer. Mr. Davies was a local engineer of some note. He was employed as a structural and construction engineer for the City of Long Beach, and was in charge of local emergency relief after the 1933 earthquake. He started the firm J.H. Davies and Associates in 1933 which he operated until his death in 1953 at age 51. The firm had 65 employees in 1953 (Long Beach Independent October 28, 1953 p. 24). Mr. Davies' firm designed many local structures, however he is not recognized as a significant person in the founding or advancement of mid-century modern municipal development, and the subject property does not illustrate any important achievements. Therefore the subject property and its building are not associated with the lives of persons important in California's [or the City's] past. Criterion 3: The building does exhibit limited elements of mid-century industrial design (flat roof and overhanging eaves, large windows, use of industrial materials such as concrete and steel), but is not particularly distinctive from buildings designed after that era. It does not represent the work of an important creative individual or possess high artistic values. Therefore, the subject property and its constituent building are not eligible under Criterion 3. Criterion 4: The subject property has not and is not likely to yield information important in prehistory or history and are therefore not eligible for listing under Criterion 4. The subject property and its historic-age building are therefore recommended not eligible under any of the four criteria for listing on the California Register, and as such are not recommended historical resources under CEQA.

Integrity. As the building remains in its original positions and the setting remains industrial, it retains integrity of location, setting, and association. Alterations have diminished integrity of design, materials, workmanship, and feeling.

Theme: Mid-Century Modern Municipal Indust. Development **Area:** Long Beach
Period of Significance: 1950s **Property Type:** Municipal/Industrial **Applicable Criteria:** N/A B11. Additional Resource Attributes N/A

See Continuation Sheet (page 3) for B12.-B-14.



State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
CONTINUATION SHEET

Primary #
HRI#

Page 3 of 3

Recorded by Nicholas Shepetuk

*Resource Name or # (Assigned by recorder) 1401 San Francisco Avenue
*Date: 3/18/2021 ☒ Continuation ☐ Update

(Continued from Page 2)

*B12. References: City of Long Beach. 1929, 1932, 1950, 2015. City Building Permits. On File, Long Beach. Brunzell, David. 2018. *Cultural Resources Assessment San Francisco and West 16th Street Project, Long Beach, California.*

*B14. Evaluators: David Brunzell, BCR Consulting, Claremont, California

*Date of Evaluation 5/13/2021



Covered Parking that Adjoins Main Building to North (View East)



Project Site Overview South of Main Building (View South)

APPENDIX B

PALEONTOLOGICAL RESOURCES ASSESSMENT



BCR Consulting LLC
Nicholas Shepetuk
505 West 8th Street
Claremont, CA 91711

March 23, 2021

Dear Mr. Shepetuk,

This letter presents the results of a record search conducted for the 929 West Anaheim Street/1401 San Francisco Avenue Project in the city of Long Beach, Los Angeles County, California. The project site is located at the intersection of Anaheim Street and San Francisco Avenue in an un-sectioned portion of Township 4 South, Range 13 West on the Long Beach, CA USGS 7.5 minute quadrangle.

The geologic units underlying this project are mapped entirely as alluvial deposits dating from the Holocene period (Saucedo et al., 2016). While Holocene alluvial units are considered to be of high preservation value, material found is unlikely to be fossil material due to the relatively modern associated dates of the deposits. However, if development requires any substantial depth of disturbance, the likelihood of reaching Pleistocene alluvial sediments would increase. The Western Science Center does not have localities within the project area or within a 1 mile radius.

While the presence of any fossil material is unlikely, if excavation activity disturbs deeper sediment dating to the earliest parts of the Holocene or Late Pleistocene periods, the material would be scientifically significant. Excavation activity associated with the development of the project area is unlikely to be paleontologically sensitive, but caution during development should be observed.

If you have any questions or would like further information, please feel free to contact me at dradford@westerncentermuseum.org

Sincerely,

A handwritten signature in black ink, appearing to read 'Darla Radford', is positioned above the printed name.

Darla Radford
Collections Manager

929 West Anaheim St/1401 San Francisco Ave Project

Project area, one mile radius, geologic mapping, and any WSC fossil localities.

Legend

-  Project area and one mile radius
-  Qya: Young alluvium (Holocene)



APPENDIX C

NATIVE AMERICAN HERITAGE COMMISSION CORRESPONDENCE



NATIVE AMERICAN HERITAGE COMMISSION

March 23, 2021

Nicholas Shepetuk
BCR Consulting LLC

Via Email to: nickshepetuk@gmail.com

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VICE CHAIRPERSON
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[Vacant]

COMMISSIONER
[Vacant]

COMMISSIONER
[Vacant]

EXECUTIVE SECRETARY
Christina Snider
Pomo

NAHC HEADQUARTERS
1550 Harbor Boulevard
Suite 100
West Sacramento,
California 95691
(916) 373-3710
nahc@nahc.ca.gov
NAHC.ca.gov

Re: Native American Tribal Consultation, Pursuant to the Assembly Bill 52 (AB 52), Amendments to the California Environmental Quality Act (CEQA) (Chapter 532, Statutes of 2014), Public Resources Code Sections 5097.94 (m), 21073, 21074, 21080.3.1, 21080.3.2, 21082.3, 21083.09, 21084.2 and 21084.3, 929 West Anaheim Street/1401 San Francisco Avenue Project, Los Angeles County

Dear Mr. Shepetuk:

Pursuant to Public Resources Code section 21080.3.1 (c), attached is a consultation list of tribes that are traditionally and culturally affiliated with the geographic area of the above-listed project. Please note that the intent of the AB 52 amendments to CEQA is to avoid and/or mitigate impacts to tribal cultural resources, (Pub. Resources Code §21084.3 (a)) ("Public agencies shall, when feasible, avoid damaging effects to any tribal cultural resource.")

Public Resources Code sections 21080.3.1 and 21084.3(c) require CEQA lead agencies to consult with California Native American tribes that have requested notice from such agencies of proposed projects in the geographic area that are traditionally and culturally affiliated with the tribes on projects for which a Notice of Preparation or Notice of Negative Declaration or Mitigated Negative Declaration has been filed on or after July 1, 2015. Specifically, Public Resources Code section 21080.3.1 (d) provides:

Within 14 days of determining that an application for a project is complete or a decision by a public agency to undertake a project, the lead agency shall provide formal notification to the designated contact of, or a tribal representative of, traditionally and culturally affiliated California Native American tribes that have requested notice, which shall be accomplished by means of at least one written notification that includes a brief description of the proposed project and its location, the lead agency contact information, and a notification that the California Native American tribe has 30 days to request consultation pursuant to this section.

The AB 52 amendments to CEQA law does not preclude initiating consultation with the tribes that are culturally and traditionally affiliated within your jurisdiction prior to receiving requests for notification of projects in the tribe's areas of traditional and cultural affiliation. The Native American Heritage Commission (NAHC) recommends, but does not require, early consultation as a best practice to ensure that lead agencies receive sufficient information about cultural resources in a project area to avoid damaging effects to tribal cultural resources.

The NAHC also recommends, but does not require that agencies should also include with their notification letters, information regarding any cultural resources assessment that has been completed on the area of potential effect (APE), such as:

1. The results of any record search that may have been conducted at an Information Center of the California Historical Resources Information System (CHRIS), including, but not limited to:

- A listing of any and all known cultural resources that have already been recorded on or adjacent to the APE, such as known archaeological sites;
- Copies of any and all cultural resource records and study reports that may have been provided by the Information Center as part of the records search response;
- Whether the records search indicates a low, moderate, or high probability that unrecorded cultural resources are located in the APE; and
- If a survey is recommended by the Information Center to determine whether previously unrecorded cultural resources are present.

2. The results of any archaeological inventory survey that was conducted, including:

- Any report that may contain site forms, site significance, and suggested mitigation measures.

All information regarding site locations, Native American human remains, and associated funerary objects should be in a separate confidential addendum, and not be made available for public disclosure in accordance with Government Code section 6254.10.

3. The result of any Sacred Lands File (SLF) check conducted through the Native American Heritage Commission was negative.

4. Any ethnographic studies conducted for any area including all or part of the APE; and

5. Any geotechnical reports regarding all or part of the APE.

Lead agencies should be aware that records maintained by the NAHC and CHRIS are not exhaustive and a negative response to these searches does not preclude the existence of a tribal cultural resource. A tribe may be the only source of information regarding the existence of a tribal cultural resource.

This information will aid tribes in determining whether to request formal consultation. In the event that they do, having the information beforehand will help to facilitate the consultation process.

If you receive notification of change of addresses and phone numbers from tribes, please notify the NAHC. With your assistance, we can assure that our consultation list remains current.

If you have any questions, please contact me at my email address: Andrew.Green@nahc.ca.gov.

Sincerely,



Andrew Green
Cultural Resources Analyst

Attachment

APPENDIX D

RECORDS SEARCH BIBLIOGRAPHY

Report List

Report No.	Other IDs	Year	Author(s)	Title	Affiliation	Resources
LA-00083		1975	Rosen, Martin D.	Evaluation of the Archaeological Resources and Potential Impact of the Joint Outfall System's Improvements on Sewer Treatment Plants and Installation Routes for New Large Diameter Sewers, Los Angeles County	University of California, Los Angeles Archaeological Survey	19-000705
LA-00358	Paleo -	1976	Stickel, Gary E.	An Archaeological and Paleontological Resource Survey of the Los Angeles River, Rio Hondo River and the Whittier Narrows Flood Control Basin, Los Angeles, California	Environmental Research Archaeologists	19-000858, 19-001009, 19-001311
LA-00503		1974	Dixon, Keith A.	Archaeological Resources and Policy Recommendations of Long Beach		19-000102, 19-000131, 19-000231, 19-000232, 19-000233, 19-000234, 19-000235, 19-000236, 19-000270, 19-000271, 19-000272, 19-000273, 19-000274, 19-000275, 19-000306, 19-000484, 19-000683, 19-000693, 19-000694, 19-000695, 19-000696, 19-000697, 19-000698, 19-000699
LA-02399		1978	Winman, Lois J. and E. Gary Stickel	Los Angeles-long Beach Harbor Areas Cultural Resource Survey.		19-167246, 19-167265, 19-167266, 19-167267, 19-174912, 19-176737, 19-186116, 19-186554
LA-02665		1985	Cottrell, Marie G., James N. Hill, Stephen Van Wormer, and John Cooper	Cultural Resource Overview and Survey for the Los Angeles County Drainage Area Review Study	ARMC	19-000026, 19-000075, 19-000163, 19-000164, 19-000166, 19-000167, 19-000173, 19-000182, 19-000208, 19-000221, 19-000230, 19-000240, 19-000241, 19-000300, 19-000339, 19-000347, 19-000348, 19-000397, 19-000522, 19-000524, 19-000657, 19-000693, 19-000694, 19-000695, 19-000697, 19-000858, 19-001009, 19-001014, 19-001044, 19-001045, 19-001046, 19-001109
LA-03102		1994	McCawley, William, John Romani, and Dana Slawson	The Los Angeles County Drainage Area Subsequent Environmental Impact Report	Greenwood and Associates	19-000693, 19-000696
LA-03508		1985	Van Wormer, Stephen R.	Historical Resource Overview and Survey for the Los Angeles County Drainage Area Review Study	Archaeological Resource Management Corp.	
LA-04130		1984	Anonymous	Los Angeles-long Beach Harbors Landfill Development and Channel Improvement Studied Cultural Resources Appendix	Los Angeles-Long Beach Harbors Landfill Development and Channel	19-000145, 19-000146, 19-000147, 19-000149, 19-000150, 19-000283, 19-000285, 19-001129

Report List

Report No.	Other IDs	Year	Author(s)	Title	Affiliation	Resources
LA-04625		1994	Starzak, Richard	Historic Property Survey Report for the Proposed Alameda Corridor From the Ports of Long Beach and Los Angeles to Downtown Los Angeles in Los Angeles County, California	Myra L. Frank & Associates	19-174982, 19-174983, 19-174984, 19-174985, 19-174986, 19-174987, 19-174988, 19-174989, 19-174990, 19-174991, 19-174992, 19-174993, 19-174994, 19-177331, 19-180778, 19-180779, 19-180780, 19-180781, 19-180782, 19-180783, 19-180784, 19-180785, 19-188887, 19-188888
LA-06062		2001	Sylvia, Barbara	Highway Project to Cold Plane and Overlay With Rubberized Asphalt Concret Type G on the Mainline and Ramps Along Route 710 Between the Pico Avenue Northbound On-ramp and the Route 1 Separation.	Caltrans District 7	
LA-07984		2005	Michalsky, Jay and Deborah McLean	Cultural Resource Assessment Seaside Park, City of Long Beach, Los Angeles County, California	LSA Associates, Inc.	
LA-08255		2006	Arrington, Cindy and Nancy Sikes	Cultural Resources Final Report of Monitoring and Findings for the Qwest Network Construction Project State of California: Volumes I and II	SWCA Environmental Consultants, Inc.	
LA-08475		2004	Bonner, Wayne H.	Cultural Resources Survey and Direct Ape and Indirect Ape Historic Architectural Assessments Fro Sprint Telecommunications Facility Candidate La60xc351a (ca Refrigerated Services), 625 West Anaheim Street, Long Beach, Los Angeles County, California	Michael Brandman Associates	19-190716, 19-190717, 19-190718
LA-08724		2006	Bonner, Wayne H. and Kathleen A. Crawford	Cultural Resources Records Search and Site Visit Results for Royal Street Communications, Llc Candidate La2807a (superfreezers), 625 West Anaheim Street, Long Beach, Los Angeles County, California	Michael Brandman Associates	19-000693, 19-000694
LA-09129		2007	Strudwick, Ivan	Cultural Resources Analysis for the Shoemaker Street Bridge Project in the City of Long Beach, Los Angeles County, California	LSA Associates	19-150348
LA-10527		1978	Weinman, Lois J.	Los Angeles-Long Beach Harbor Areas Regional Cultural History, Los Angeles County, California		

Report List

Report No.	Other IDs	Year	Author(s)	Title	Affiliation	Resources
LA-11029		2011	Wlodarski, Robert J.	Record Search and proposed AT&T Wireless Telecommunications Site LAC072, located at 800 West 15th Street, Long Beach, California 90813	Cellular, Archaeological, Resource, Evaluations	19-000693, 19-178699
LA-11993		2012	O'Neill, Laura	Findning of No Adverse Effect for the Proposed Interstate 710 Corridor Project Between Ocean Boulevard and the State Route 60 Interchange	Galvin Preservation Associates	
LA-12228		2013	Bonner, Wayne, Williams, Sarah, and Crawford, Kathleen	Cultural Resources Records Search and Site Visit Result for T-Mobile West, LLC Candidate LA02671A [LA243 Anaheim & Daisy (Fish Market)], 625 West Anahiem Street, Long Beach, Los Angeles County, California	MBA	19-000693, 19-000694, 19-150346, 19-150349, 19-150351, 19-150353, 19-178699, 19-187116, 19-187125, 19-187127, 19-187128, 19-187131, 19-187134, 19-187148, 19-187187, 19-187189, 19-187198, 19-187199, 19-187200, 19-187218, 19-187223, 19-187236, 19-187239, 19-187240, 19-187297, 19-188906
LA-12389		2012	Chasteen, Carrie	Identification and Evaluation of Smokehouses Port of Long Beach Long Beach, Los Angeles County, California	Parsons	19-190588

Report List

Report No.	Other IDs	Year	Author(s)	Title	Affiliation	Resources
LA-12808		2014	Chasteen, Carrie, Clark, Tiffany, Hanes, Richard, and Mirro, Michael	Cultural Resources Study of the Wilmington Oil and Gas Field, Los Angeles County, California in Support of Analysis of Oil and Gas Well Stimulation Treatments in California Environmental Impact Report	Applied EarthWorks	19-000098, 19-000148, 19-000693, 19-000694, 19-002135, 19-002208, 19-002660, 19-002788, 19-002850, 19-004279, 19-004313, 19-004325, 19-150149, 19-150150, 19-150151, 19-150152, 19-150153, 19-150154, 19-150155, 19-150156, 19-150157, 19-150158, 19-150159, 19-150160, 19-150161, 19-150162, 19-150163, 19-150164, 19-150165, 19-150166, 19-150167, 19-150168, 19-150169, 19-150170, 19-150171, 19-150172, 19-150173, 19-150174, 19-150175, 19-150176, 19-150177, 19-150178, 19-150179, 19-150180, 19-150181, 19-150182, 19-150183, 19-150184, 19-150185, 19-150186, 19-150187, 19-150188, 19-150189, 19-150190, 19-150192, 19-150260, 19-150261, 19-150262, 19-150263, 19-150264, 19-150265, 19-150266, 19-150267, 19-150268, 19-150269, 19-150270, 19-150271, 19-150272, 19-150273, 19-150274, 19-150275, 19-150276, 19-150277, 19-150278, 19-150279, 19-150280, 19-150281, 19-150282, 19-150283, 19-150284, 19-150285, 19-150286, 19-150287, 19-150288, 19-150289, 19-150290, 19-150291, 19-150293, 19-150345, 19-150346, 19-150347, 19-150348, 19-150349, 19-150350, 19-150351, 19-150352, 19-150353, 19-150354, 19-150355, 19-150356, 19-150357, 19-150358, 19-150362, 19-150394, 19-150395, 19-167294, 19-167314, 19-175277, 19-176737, 19-178682, 19-178683, 19-178689, 19-178693, 19-178699, 19-178702, 19-178703, 19-178955, 19-178967, 19-180734, 19-180784, 19-186116, 19-186672, 19-186745, 19-186752, 19-186992, 19-187005, 19-187016, 19-187017, 19-187020, 19-187021, 19-187022, 19-187023, 19-187024, 19-187051, 19-187078, 19-187085, 19-187089, 19-187096,

Report List

Report No.	Other IDs	Year	Author(s)	Title	Affiliation	Resources
						19-187097, 19-187116, 19-187121, 19-187124, 19-187125, 19-187126, 19-187127, 19-187128, 19-187129, 19-187131, 19-187134, 19-187144, 19-187148, 19-187163, 19-187165, 19-187166, 19-187167, 19-187168, 19-187169, 19-187171, 19-187172, 19-187174, 19-187178, 19-187179, 19-187182, 19-187185, 19-187187, 19-187188, 19-187189, 19-187190, 19-187193, 19-187194, 19-187197, 19-187198, 19-187199, 19-187200, 19-187201, 19-187202, 19-187206, 19-187210, 19-187211, 19-187214, 19-187216, 19-187217, 19-187218, 19-187221, 19-187223, 19-187225, 19-187226, 19-187227, 19-187229, 19-187230, 19-187231, 19-187232, 19-187236, 19-187239, 19-187240, 19-187243, 19-187246, 19-187247, 19-187249, 19-187250, 19-187252, 19-187287, 19-187288, 19-187289, 19-187292, 19-187295, 19-187296, 19-187297, 19-187300, 19-187301, 19-187302, 19-187303, 19-187304, 19-187305, 19-187312, 19-187314, 19-187315, 19-187641, 19-187642, 19-187643, 19-187644, 19-187645, 19-187646, 19-187647, 19-187648, 19-187649, 19-187650, 19-187651, 19-187652, 19-187654, 19-187682, 19-187683, 19-187684, 19-187685, 19-187686, 19-187957, 19-187958, 19-187971, 19-188092, 19-188178, 19-188198, 19-188201, 19-188776, 19-188864, 19-188865, 19-188866, 19-188867, 19-188906, 19-189318, 19-189426, 19-189874, 19-190040, 19-190079, 19-190080, 19-190096, 19-190103, 19-190105, 19-190107, 19-190108, 19-190109, 19-190112, 19-190321, 19-190327, 19-190588, 19-190597, 19-190598, 19-190670

Resource List

Primary No.	Trinomial	Other IDs	Type	Age	Attribute codes	Recorded by	Reports
P-19-000693	CA-LAN-000693	Resource Name - Knoll Park; Other - Drake Park	Site	Prehistoric	AP09; AP15	1974 (DIXON)	LA-00503, LA-02665, LA-03102, LA-03509, LA-03860, LA-04133, LA-08724, LA-08729, LA-11029, LA-12228, LA-12808
P-19-000694	CA-LAN-000694		Site	Prehistoric	AP15	1974 (Dixon)	LA-00503, LA-02665, LA-03509, LA-03860, LA-08724, LA-08729, LA-11950, LA-12225, LA-12228, LA-12808
P-19-150346		Resource Name - 1027 Chesnut St	Building	Historic	HP02	1996 (G.H. Flegmaker, Long Beach Planning)	LA-12225, LA-12228, LA-12808
P-19-150349		Resource Name - 1202 Magnolia Ave	Building	Historic	HP02	1996 (G.H. Flegmaker, Long Beach Planning)	LA-12228, LA-12808
P-19-178699		OHP Property Number - 029380; Resource Name - Bembridge House	Building	Historic	HP02	2001 (R. Lehrer)	LA-08729, LA-11029, LA-12228, LA-12808
P-19-187125			Building	Historic	HP03	1997 (G. Felgemaker, Long Beach Planning)	LA-12228, LA-12808
P-19-187127			Building	Historic	HP02	1997 (G. Felgemaker, Long Beach Planning)	LA-12225, LA-12228, LA-12808
P-19-187128			Building	Historic	HP02	1997 (G. Feglemaker, Long Beach Planning)	LA-12228, LA-12808
P-19-187131		Voided - 19-187147	Building	Historic	HP03	1996 (G. Felgemaker, Long Beach Planning); 1997 (G. Felgemaker, Long Beach Planning)	LA-12225, LA-12228, LA-12808
P-19-187134		OHP Property Number - 107267	Building	Historic	HP02	1997 (G. Felgemaker, Long Beach Planning)	LA-12228, LA-12808
P-19-187148			Building	Historic	HP03	1996 (G. Felgemaker, Long Beach Planning)	LA-12228, LA-12808
P-19-187199			Building	Historic	HP02	1997 (G. Felgemaker, Long Beach Planning)	LA-12228, LA-12808
P-19-187200			Building	Historic	HP02	1997 (G. Felgemaker, Long Beach Planning)	LA-12228, LA-12808

Resource List

Primary No.	Trinomial	Other IDs	Type	Age	Attribute codes	Recorded by	Reports
P-19-187218			Building	Historic	HP02	1997 (G. Felgemaker, Long Beach Planning)	LA-12228, LA-12808
P-19-187223		OHP Property Number - 114740				1997	LA-12228, LA-12808
P-19-187235		OHP Property Number - 123246	Building	Historic	HP02	1999 (G. Felgemaker, Long Beach Planning)	
P-19-187236		OHP Property Number - 029810	Building	Historic	HP02	1999 (G. Felgemaker, Long Beach Planning)	LA-12228, LA-12808
P-19-187240		OHP Property Number - 124579	Building	Historic	HP02	1997 (G. Felgemaker, Long Beach Planning)	LA-12225, LA-12228, LA-12808
P-19-188864		Resource Name - Motor/Pump Bldg, Long Beach Main Pumping Plant; Other - Long Beach-1	Building	Historic	HP09; HP39	2010 (Laura S. White, Archaeological Associates)	LA-12808
P-19-188865		Resource Name - Storage Yard; Other - Long Beach-2	Building	Historic	HP06	2010 (Laura S. White, Archaeological Associates)	LA-12808
P-19-188866		Resource Name - Machine Shop, M&S Machinery; Other - Long Beach-3	Building	Historic	HP06	2010 (Laura S. White, Archaeological Associates)	LA-12808
P-19-188867		Resource Name - Commercial Suites, Magna Mechanical Specialties; Other - Long Beach-4	Building	Historic	HP06	2010 (Laura S. White, Archaeological Associates)	LA-12808
P-19-190588		Resource Name - Port of Long Beach Smokehouses	Building	Historic	HP08	2012 (Carrie Chasteen, Parsons)	LA-12389, LA-12808
P-19-190716		Resource Name - 1350 Daisy Ave; Other - LA60XC351A - Sprint Telecommunications Facility Candidate; OHP Property Number - 148629	Building	Historic	HP08	2004 (Christopher J. Hazel)	LA-08475
P-19-190717		Resource Name - 551 W Anaheim St; Other - LA60XC351A - Sprint Telecommunications Facility Candidate; OHP Property Number - 148628	Building	Historic	HP06	2004 (Christopher J. Hetzel)	LA-08475

Resource List

Primary No.	Trinomial	Other IDs	Type	Age	Attribute codes	Recorded by	Reports
P-19-190718		Resource Name - Home Ice & Cold Storage Co.; Resource Name - California Cold Storage & Distribution Co.; OHP Property Number - 148622; Other - LA60XC351A - Sprint Telecommunications Facility Candidate	Building	Historic	HP08	2004 (Christeen Taniguchi, MBA)	LA-08475
P-19-192739		Resource Name - Segment of the Los Angeles River Flood Channel	Structure	Historic	HP11	2017 (Emily Rinaldi, GPA)	
P-19-192743		Resource Name - 1601 San Francisco Ave	Building	Historic	HP06	2018 (Nicholas Shepetuk, BCR)	

APPENDIX E

GEOTECHNICAL REPORT

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NorCal Engineering

Soils and Geotechnical Consultants
Los Alamitos, California 90720
(562) 799-9469 Fax (562) 799-9459

July 16, 2020

Project Number 21916-20

Alere Property Group, LLC
100 Bayview Circle, Suite 310
Newport Beach, California 92660

Attn: Clark Neuhoff

RE: **Updated Geotechnical Investigation** for Proposed Industrial Development – Located at the Northwest Corner of Anaheim Street San Francisco Avenue, in the City of Long Beach, California

Dear Mr. Neuhoff:

As per your request, this firm has prepared an updated Geotechnical Investigation for the proposed industrial development at the referenced property. A previous report by Geotechnical Professionals, Inc. (GPI) dated December 20, 2010 was reviewed for the subject site. This firm accepts the recommendations in the GPI report and has provided additional guidelines for site grading.

PROPOSED DEVELOPMENT

It is proposed to construct two new concrete tilt-up warehouse buildings totaling 124,972 square feet on the parcel. Asphaltic and concrete pavement areas and landscaping will also be installed.

RECENT FIELD INVESTIGATION

The recent field investigation by this firm consisted of the placement of three (3) subsurface exploratory borings by hollow-stem rotary wash auger drill rig to a maximum depth of 41.5 feet below current ground elevations. Five borings by hand auger were also placed to a maximum depth of 7.5 feet. The explorations were placed at accessible locations across the site.

The explorations were visually classified and logged by a field engineer with locations of the subsurface explorations shown on the Site Plan, Figure 1. Detailed descriptions of the subsurface conditions are listed on the boring logs in Appendix A.

Groundwater

Groundwater was encountered at 9 to 10 feet below existing grade in our recent borings. Research of the *California Department of Conservation – Division of Mines and Geology Open-File Report 98-19, 1998* indicates that historic high groundwater in the vicinity has been recorded on the order of 10 feet below grade, also.

LABORATORY TESTS

Relatively undisturbed samples of the subsurface soils were obtained to perform laboratory testing and analysis to determine in-place moisture/densities and consolidation tests. These relatively undisturbed ring samples were obtained by driving a thin-walled steel sampler lined with one-inch long brass rings with an inside diameter of 2.42 inches into the undisturbed soils. Blowcount data is given on the Boring Logs in Appendix A.

- a. **Field moisture content** (ASTM:D 2216-10) and the dry density of the ring samples were determined in the laboratory. This data is listed on the logs of explorations.
- b. **Time Rate Consolidation tests** (ASTM: D-2435-11) were performed on undisturbed ring samples to determine the total settlements which may be anticipated based upon the proposed surcharge loads. Plots of the tests, which were performed by GMU are included in Appendix B.

UPDATED SETTLEMENT ESTIMATES

The site is underlain by compressible silt and clay layers primarily in the upper 20 to 25 feet, as shown on Section A-A, Figure 2. Estimated building settlements are one inch due to dead and live loads. Differential settlements would be ¼ inch over a 30 feet (horizontal) distance in the building pad area.

During a local Magnitude 7.0 earthquake with a Peak Ground Acceleration (PGA) of 0.42g, the seismic settlement should be on the order of one inch. Differential settlements after the earthquake would be on the order of ½ inch in 30 feet with the groundwater level at 10 feet deep.

GRADING RECOMMENDATIONS

The proposed buildings should be placed on a compacted fill blanket 5 feet thick beneath the floor slabs and foundations. All current fill materials should be removed prior to placement of the compacted fill blanket. To minimize areal settlements, finish grade should be selected within one foot of existing grade, if possible.

For finish grades greater than one foot above the existing grade, settlements of the upper clay soils would be on the order of $\frac{1}{2}$ to $\frac{3}{4}$ inch for each foot of fill. These settlements should occur over a 3 to 4-month period across the building pad area.

To reduce the building settlement, a surcharge load of 5 to 6 feet of soil may be placed above finish grade. Settlements in the underlying clay soils due to surcharge loads should occur over a 3 to 4-month period, also. The actual ground settlement should be monitored as described in the GPI report.

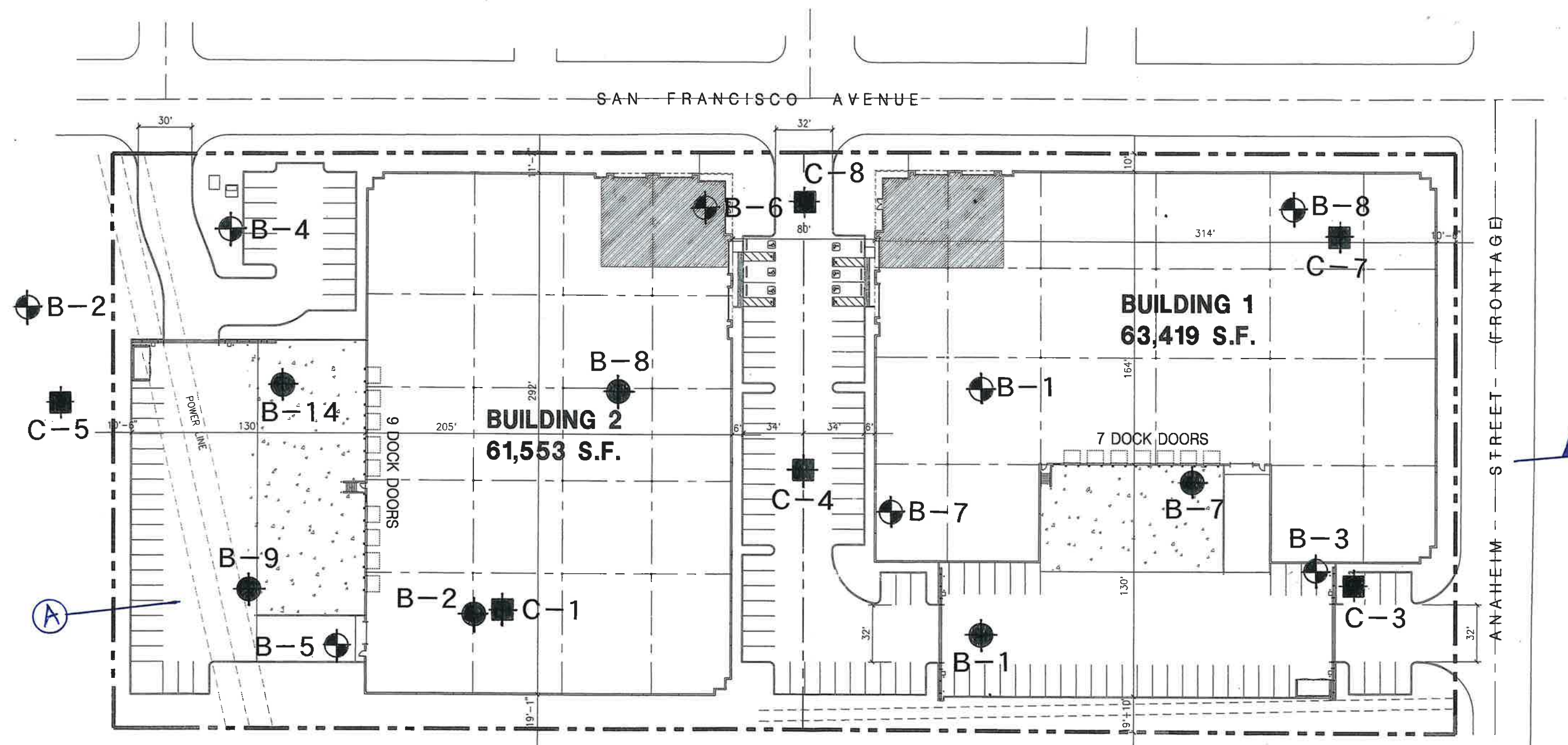
We appreciate this opportunity to be of service to you. If you have any further questions, please do not hesitate to contact the undersigned.

Respectfully submitted,
NORCAL ENGINEERING


Keith D. Tucker
Project Engineer
R.G.E. 841

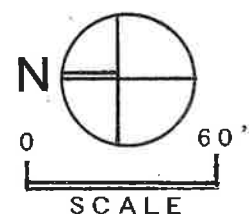



Mark A. Burkholder
Project Manager



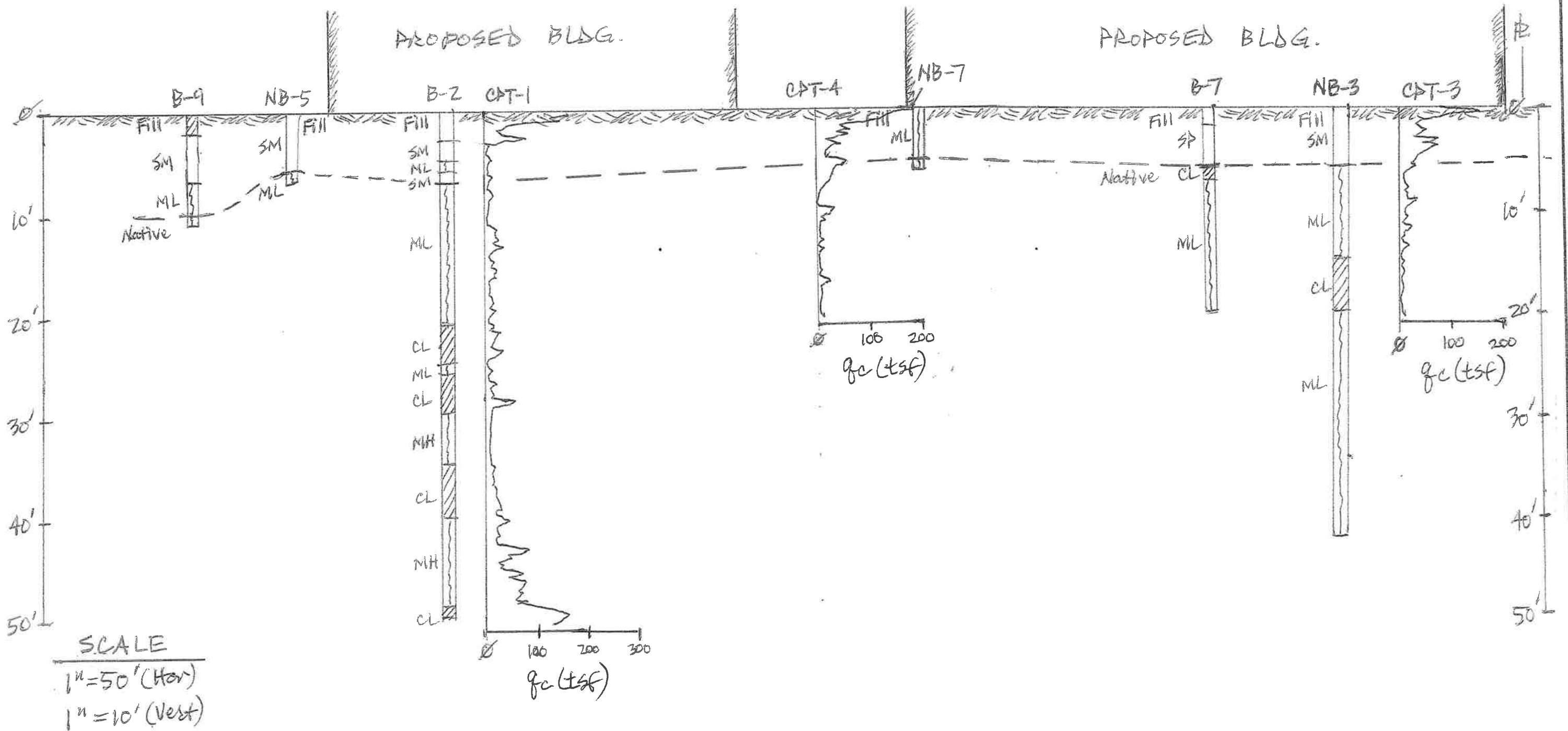
LEGEND

- BORINGS BY NORCAL (2020)
- BORINGS BY GPI (2010)
- CPT SOUNDINGS (2010)



NorCal Engineering SOILS AND GEOTECHNICAL CONSULTANTS		APPROXIMATE LOCATIONS OF SOIL BORINGS
PROJECT 21916-20	DATE 7/2020	

FIG. 1



APPENDIX A

MAJOR DIVISION			GRAPHIC SYMBOL	LETTER SYMBOL	TYPICAL DESCRIPTIONS
COARSE GRAINED SOILS	GRAVEL AND GRAVELLY SOILS	CLEAN GRAVELS (LITTLE OR NO FINES)		GW	WELL-GRADED GRAVELS, GRAVEL-SAND MIXTURES, LITTLE OR NO FINES
				GP	POORLY-GRADED GRAVELS, GRAVEL-SAND MIXTURES, LITTLE OR NO FINES
		GRAVELS WITH FINES (APPRECIABLE AMOUNT OF FINES)		GM	SILTY GRAVELS, GRAVEL-SAND-SILT MIXTURES
				GC	CLAYEY GRAVELS, GRAVEL-SAND-CLAY MIXTURES
	SAND AND SANDY SOILS	CLEAN SAND (LITTLE OR NO FINES)		SW	WELL-GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES
				SP	POORLY-GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES
		SANDS WITH FINE (APPRECIABLE AMOUNT OF FINES)		SM	SILTY SANDS, SAND-SILT MIXTURES
				SC	CLAYEY SANDS, SAND-CLAY MIXTURES
FINE GRAINED SOILS	SILTS AND CLAYS	LIQUID LIMIT LESS THAN 50		ML	INORGANIC SILTS AND VERY FINE SANDS, ROCK FLOUR, SILTY OR CLAYEY FINE SANDS OR CLAYEY SILTS WITH SLIGHT PLASTICITY
				CL	INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS
				OL	ORGANIC SILTS AND ORGANIC SILTY CLAYS OF LOW PLASTICITY
	SILTS AND CLAYS	LIQUID LIMIT GREATER THAN 50		MH	INORGANIC SILTS, MICACEOUS OR DIATOMACEOUS FINE SAND OR SILTY SOILS
				CH	INORGANIC CLAYS OF HIGH PLASTICITY, FAT CLAYS
				OH	ORGANIC CLAYS OF MEDIUM TO HIGH PLASTICITY, ORGANIC SILTS
HIGHLY ORGANIC SOILS				PT	PEAT, HUMUS, SWAMP SOILS WITH HIGH ORGANIC CONTENTS

NOTE: DUAL SYMBOLS ARE USED TO INDICATE BORDERLINE SOIL CLASSIFICATIONS

UNIFIED SOIL CLASSIFICATION SYSTEM

KEY:

- Indicates 2.5-inch Inside Diameter. Ring Sample.
- ⊠ Indicates 2-inch OD Split Spoon Sample (SPT).
- Indicates Shelby Tube Sample.
- ▤ Indicates No Recovery.
- ▣ Indicates SPT with 140# Hammer 30 in. Drop.
- ☑ Indicates Bulk Sample.
- ▣ Indicates Small Bag Sample.
- ▣ Indicates Non-Standard
- ⊠ Indicates Core Run.

COMPONENT DEFINITIONS

COMPONENT	SIZE RANGE
Boulders	Larger than 12 in
Cobbles	3 in to 12 in
Gravel	3 in to No 4 (4.5mm)
Coarse gravel	3 in to 3/4 in
Fine gravel	3/4 in to No 4 (4.5mm)
Sand	No. 4 (4.5mm) to No. 200 (0.074mm)
Coarse sand	No. 4 (4.5 mm) to No. 10 (2.0 mm)
Medium sand	No. 10 (2.0 mm) to No. 40 (0.42 mm)
Fine sand	No. 40 (0.42 mm) to No. 200 (0.074 mm)
Silt and Clay	Smaller than No. 200 (0.074 mm)

COMPONENT PROPORTIONS

DESCRIPTIVE TERMS	RANGE OF PROPORTION
Trace	1 - 5%
Few	5 - 10%
Little	10 - 20%
Some	20 - 35%
And	35 - 50%

MOISTURE CONTENT

DRY	Absence of moisture, dusty, dry to the touch.
DAMP	Some perceptible moisture; below optimum
MOIST	No visible water; near optimum moisture content
WET	Visible free water, usually soil is below water table.

RELATIVE DENSITY OR CONSISTENCY VERSUS SPT N -VALUE

COHESIONLESS SOILS		COHESIVE SOILS		
Density	N (blows/ft)	Consistency	N (blows/ft)	Approximate Undrained Shear Strength (psf)
Very Loose	0 to 4	Very Soft	0 to 2	< 250
Loose	4 to 10	Soft	2 to 4	250 - 500
Medium Dense	10 to 30	Medium Stiff	4 to 8	500 - 1000
Dense	30 to 50	Stiff	8 to 15	1000 - 2000
Very Dense	over 50	Very Stiff	15 to 30	2000 - 4000
		Hard	over 30	> 4000

Alere Property Group, LLC
21916-20

Log of Boring B-1

Boring Location: Anaheim & San Francisco, Long Bch

Date of Drilling: 6/4/2020

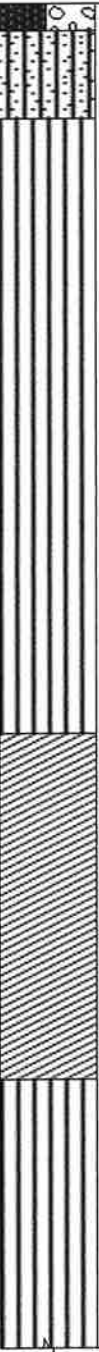
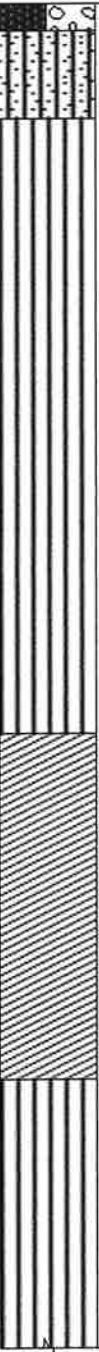
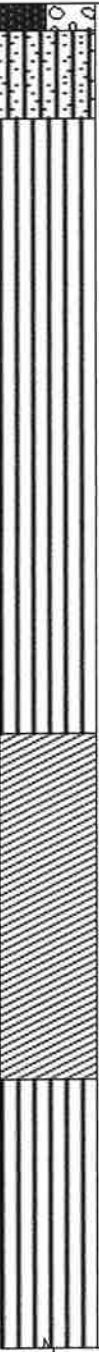
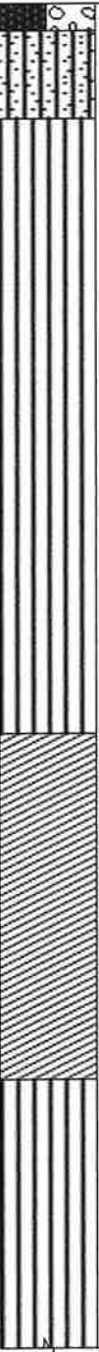
Groundwater Depth: None Encountered

Drilling Method: Rotary Wash Hollow-stem Auger

Hammer Weight: 140 lbs

Drop: 30"

Surface Elevation: Not Measured

Depth (feet)	Lith- ology	Material Description	Samples		Laboratory		
			Type	Blow Counts	Moisture	Dry Density	Fines Content %
0		4" Asphalt over 3" Base Material					
		FILL SOILS					
		Silty SAND with gravel and brick pieces					
		Brown, medium dense, moist					
5		NATURAL SOILS					
		Clayey SILT					
		Dark grey, medium stiff, wet					
		Some petroleum odor noted below 5'					
10				2/5/58	25.6	97.2	
15							
20		Silty CLAY		Push/1/1	72.9	62.6	
		Dark grey, soft, saturated					
25							
30		Clayey SILT		8/9/10	34.5	90.0	
		Dark grey, stiff, saturated					
35							

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21916-20

Log of Boring B-1

Boring Location: Anaheim & San Francisco, Long Bch

Date of Drilling: 6/4/2020

Groundwater Depth: None Encountered

Drilling Method: Rotary Wash Hollow-stem Auger

Hammer Weight: 140 lbs

Drop: 30"

Surface Elevation: Not Measured

Depth (feet)	Lith- ology	Material Description	Samples		Laboratory		
			Type	Blow Counts	Moisture	Dry Density	Fines Content %
35		Clayey SILT Dark grey, stiff, saturated		8/12/22	30.0	94.7	
40		SILT Grey, very stiff, wet					
Boring completed at depth of 41.5'							
45							
50							
55							
60							
65							
70							

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21916-20

Log of Boring B-2

Boring Location: Anaheim & San Francisco, Long Bch

Date of Drilling: 6/4/2020

Groundwater Depth: None Encountered

Drilling Method: Rotary Wash Hollow-stem Auger

Hammer Weight: 140 lbs

Drop: 30"

Surface Elevation: Not Measured

Depth (feet)	Lith- ology	Material Description	Samples		Laboratory		
			Type	Blow Counts	Moisture	Dry Density	Fines Content %
0		4" Asphalt over 6" Base Material					
		FILL SOILS Silty SAND with gravel, rock and small cobbles Brown, medium dense, moist					
5							
10		NATURAL SOILS Sandy clayey SILT Dark grey, soft to firm, saturated					
15							
20		Clayey SILT Dark grey, medium stiff, wet to saturated					
25							
30							
35		Clayey SILT with some sand Brown, stiff, saturated					

3/4/3

33.1

91.5

1/Push

36.2

85.0

5/5/6

34.1

85.3

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Alere Property Group, LLC 21916-20			Log of Boring B-2						
Boring Location: Anaheim & San Francisco, Long Bch									
Date of Drilling: 6/4/2020		Groundwater Depth: None Encountered							
Drilling Method: Rotary Wash Hollow-stem Auger									
Hammer Weight: 140 lbs		Drop: 30"							
Surface Elevation: Not Measured									
Depth (feet)	Lith- ology	Material Description	Type	Blow Counts	Moisture	Dry Density	Fines Content %		
35		Clayey SILT with some sand Brown, stiff, saturated Boring completed at depth of 36.5'		7/13/19	31.9	92.0			
40									
45									
50									
55									
60									
65									
70									
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21916-20

Log of Boring B-3

Boring Location: Anaheim & San Francisco, Long Bch

Date of Drilling: 6/4/2020

Groundwater Depth: None Encountered

Drilling Method: Rotary Wash Hollow-stem Auger

Hammer Weight: 140 lbs

Drop: 30"

Surface Elevation: Not Measured

Depth (feet)	Lith- ology	Material Description	Samples		Laboratory		
			Type	Blow Counts	Moisture	Dry Density	Fines Content %
0		6" Asphalt over 3" Base Material					
		FILL SOILS Silty SAND with gravel, rock, brick and concrete pieces Brown, medium dense, damp to moist					
5		NATURAL SOILS Sandy SILT Grey to dark grey, firm, moist					
10		Clayey SILT Grey-brown, soft, wet					
15		Silty CLAY Grey, firm, saturated		1/2/3	45.2	80.2	
20		Sandy clayey SILT Dark grey, firm, saturated		Push/2/2	32.1	86.1	
25							
30				2/3/4	52.5	72.9	
35							

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5

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21916-20

Log of Boring B-3

Boring Location: Anaheim & San Francisco, Long Bch

Date of Drilling: 6/4/2020

Groundwater Depth: None Encountered

Drilling Method: Rotary Wash Hollow-stem Auger

Hammer Weight: 140 lbs

Drop: 30"

Surface Elevation: Not Measured

Depth (feet)	Lith- ology	Material Description	Samples		Laboratory		
			Type	Blow Counts	Moisture	Dry Density	Fines Content %
35		Sandy clayey SILT Grey, very stiff, saturated		8/17/24	27.9	98.2	
40		Boring completed at depth of 41.5'					
45							
50							
55							
60							
65							
70							

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21916-20

Log of Boring B-4

Boring Location: Anaheim & San Francisco, Long Bch

Date of Drilling: 6/4/2020

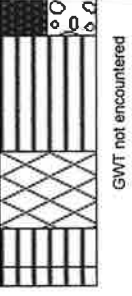
Groundwater Depth: None Encountered

Drilling Method: Hand Auger

Hammer Weight:

Drop:

Surface Elevation: Not Measured

Depth (feet)	Lith- ology	Material Description	Samples		Laboratory		
			Type	Blow Counts	Moisture	Dry Density	Fines Content %
0		2" Asphalt over 7.5" Base Material					
		FILL SOILS					
		Sandy SILT with gravel	✓				
		Brown, medium stiff, moist					
5		4" Filter Fabric over 2" Pea-gravel					
		FILL SOILS	✓				
		Sandy SILT with pea-gravel					
		Brown, soft, wet					
		NATURAL SOILS					
10		Sandy clayey SILT					
		Dark grey, soft, wet					
		Boring completed at depth of 7.5'					
15							
20							
25							
30							
35							

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Log of Boring B-5

Boring Location: Anaheim & San Francisco, Long Bch

Date of Drilling: 6/4/2020

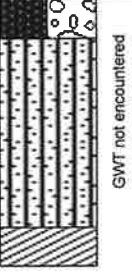
Groundwater Depth: None Encountered

Drilling Method: Hand Auger

Hammer Weight:

Drop:

Surface Elevation: Not Measured

Depth (feet)	Lith- ology	Material Description	Samples		Laboratory		
			Type	Blow Counts	Moisture	Dry Density	Fines Content %
0		3" Asphalt over 8" Base Material					
		FILL SOILS Silty SAND with gravel, rock and small cobbles Brown, medium dense, moist	☒				
5		NATURAL SOILS Clayey SILT Brown, soft to firm, wet Boring completed at depth of 7'	☒				
10							
15							
20							
25							
30							
35							

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Log of Boring B-6

Boring Location: Anaheim & San Francisco, Long Bch

Date of Drilling: 6/4/2020

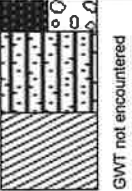
Groundwater Depth: None Encountered

Drilling Method: Hand Auger

Hammer Weight:

Drop:

Surface Elevation: Not Measured

Depth (feet)	Lith- ology	Material Description	Samples		Laboratory		
			Type	Blow Counts	Moisture	Dry Density	Fines Content %
0	 GWT not encountered	3" Asphalt over 6" Base Material	█				
		FILL SOILS					
		Silty SAND with gravel and rock					
		Brown, medium dense, moist					
		NATURAL SOILS					
5		Clayey SILT					
		Brown, firm, wet					
		Boring completed at depth of 5'					
10							
15							
20							
25							
30							
35							

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Alere Property Group, LLC
21916-20

Log of Boring B-7

Boring Location: Anaheim & San Francisco, Long Bch

Date of Drilling: 6/4/2020

Groundwater Depth: None Encountered

Drilling Method: Hand Auger

Hammer Weight:

Drop:

Surface Elevation: Not Measured

Depth (feet)	Lith- ology	Material Description	Samples		Laboratory		
			Type	Blow Counts	Moisture	Dry Density	Fines Content %
0		4" Asphaltic Concrete over 5" Crushed Miscellaneous Base					
		FILL SOILS Sandy SILT with occasional gravel, some rock and some brick pieces	■				
5		NATURAL SOILS Sandy clayey SILT Brown, soft to firm, very moist Boring completed at depth of 6'	■				
10							
15							
20							
25							
30							
35							

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Alere Property Group, LLC
21916-20

Log of Boring B-8

Boring Location: Anaheim & San Francisco, Long Bch

Date of Drilling: 6/4/2020

Groundwater Depth: None Encountered

Drilling Method: Hand Auger

Hammer Weight:

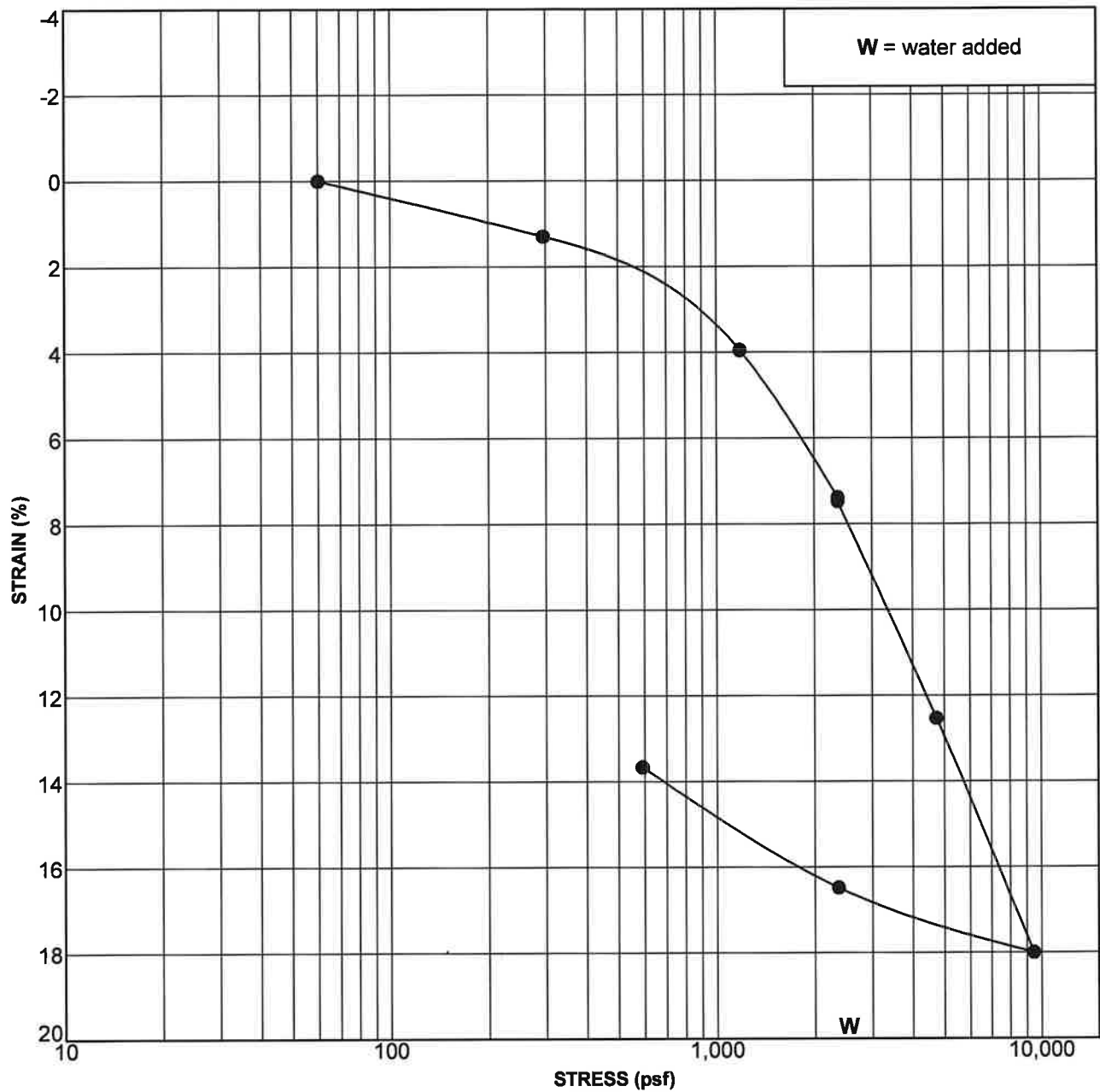
Drop:

Surface Elevation: Not Measured

Depth (feet)	Lith- ology	Material Description	Samples		Laboratory		
			Type	Blow Counts	Moisture	Dry Density	Fines Content %
0		3" Asphalt over 4" Base Material over 6" Asphalt					
		FILL SOILS					
		Silty SAND with gravel, rock and occasional pieces of asphalt	☒				
		Grey to dark grey, medium dense, moist					
		Clayey silty SAND with occasional gravel	☒				
		Brown, dense, moist					
		NATURAL SOILS					
		Clayey SILT					
		Grey-brown, soft, wet					
		Boring completed at depth of 5'					
5							
10							
15							
20							
25							
30							
35							

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APPENDIX B



Boring Number	Depth (feet)	Geologic Unit	Symbol	In Situ or Remolded Sample	% Hydro-Collapse	Classification
B-1	20.0		●	In Situ	0.09	CLAYEY SILT (ML)

CONSOLIDATION TEST DATA

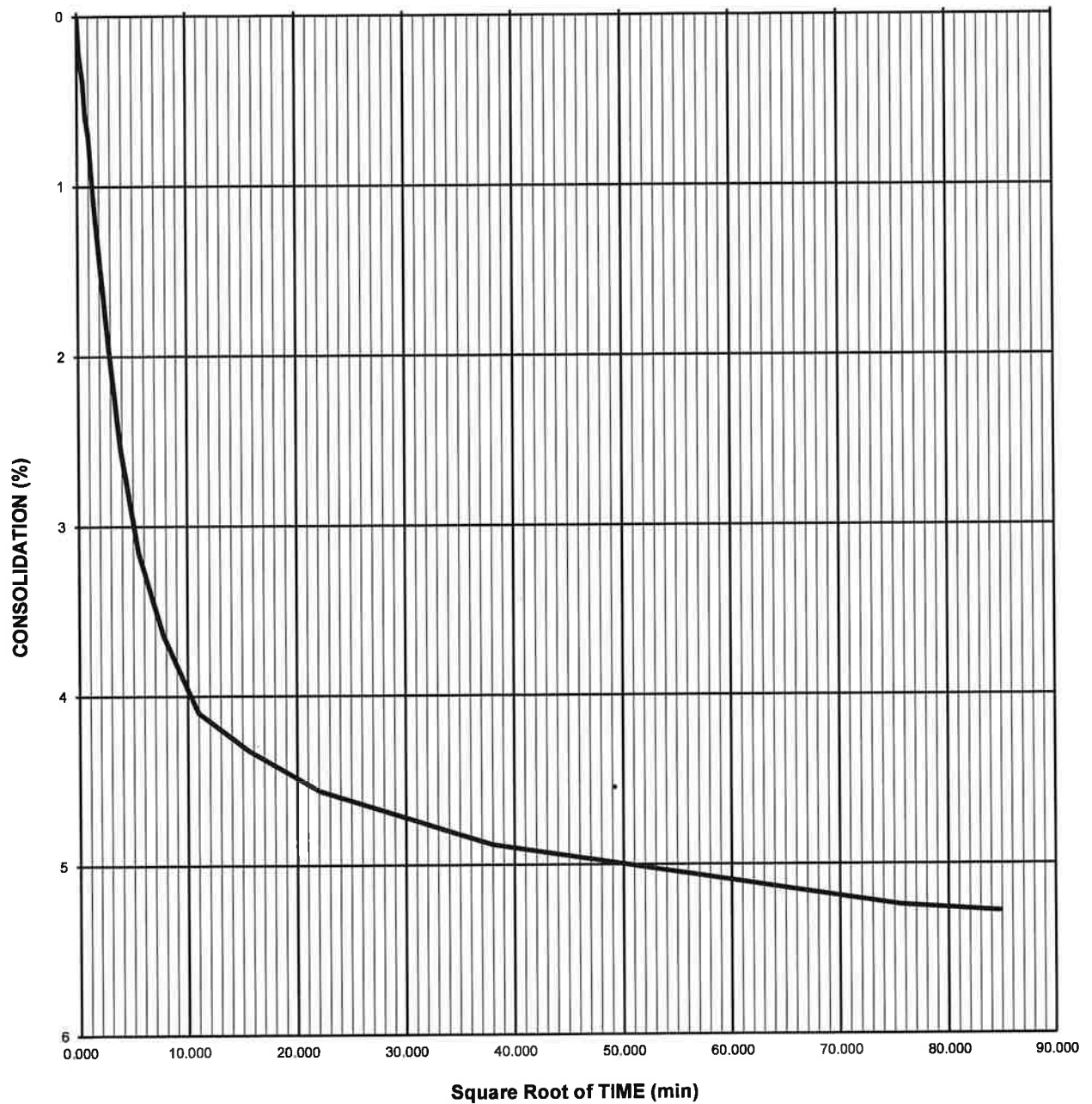
Project: Norcal - Alere

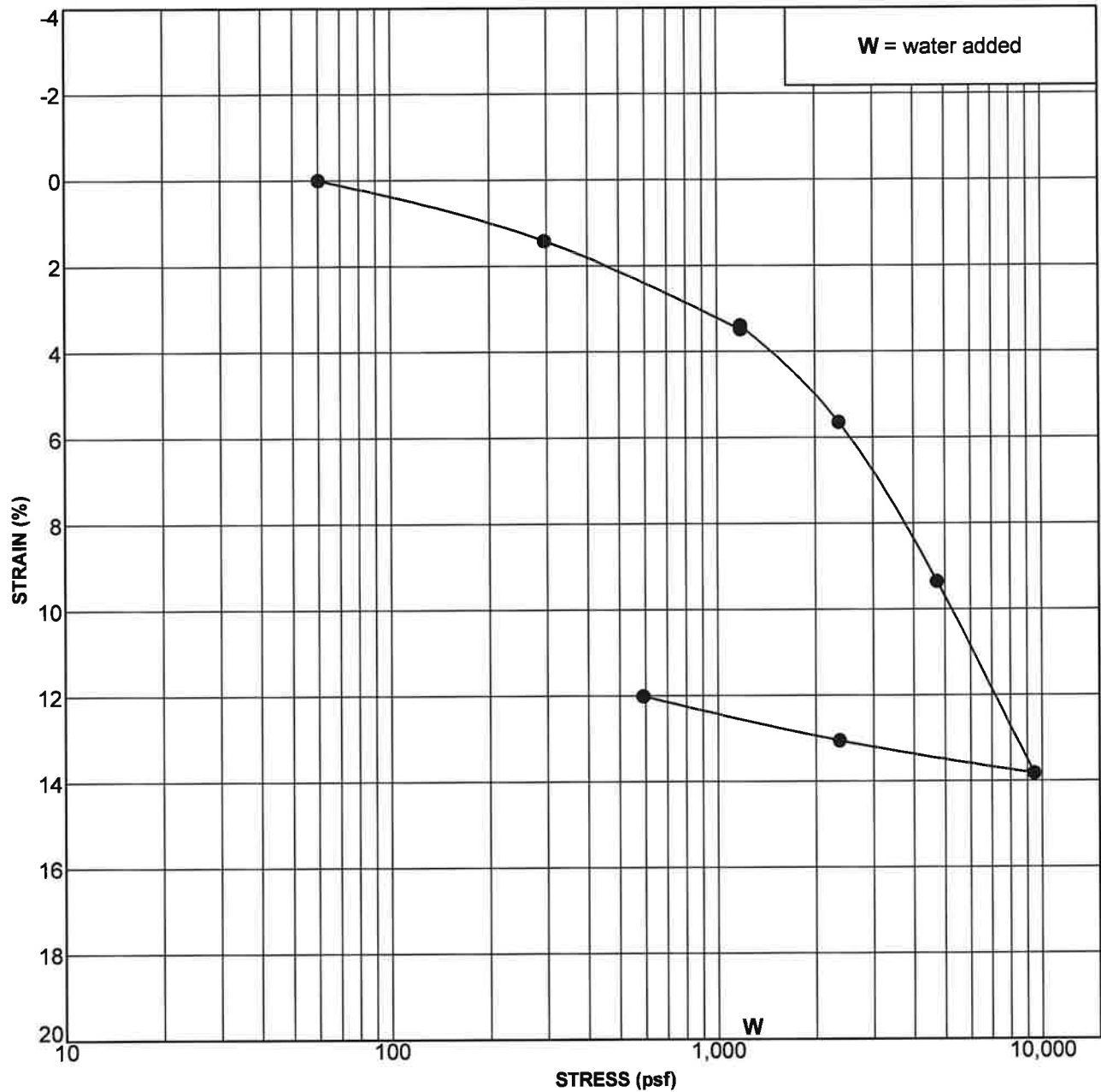
Project No. L-200602



TIME RATE CONSOLIDATION RESULTS

PROJECT NAME:	Norcal Engineering (Alere)	PROJECT NUMBER:	L-200602
SAMPLE LOCATION:	B-1	SAMPLE DEPTH:	20
SAMPLE DESCRIPTION:	CLAYEY SILT (ML), gray	LOAD (PSF)	4720





Boring Number	Depth (feet)	Geologic Unit	Symbol	In Situ or Remolded Sample	% Hydro-Collapse	Classification
B-2	15.0		●	In Situ	-0.09	CLAYEY SILT (ML)

CONSOLIDATION TEST DATA

Project: Norcal - Alere

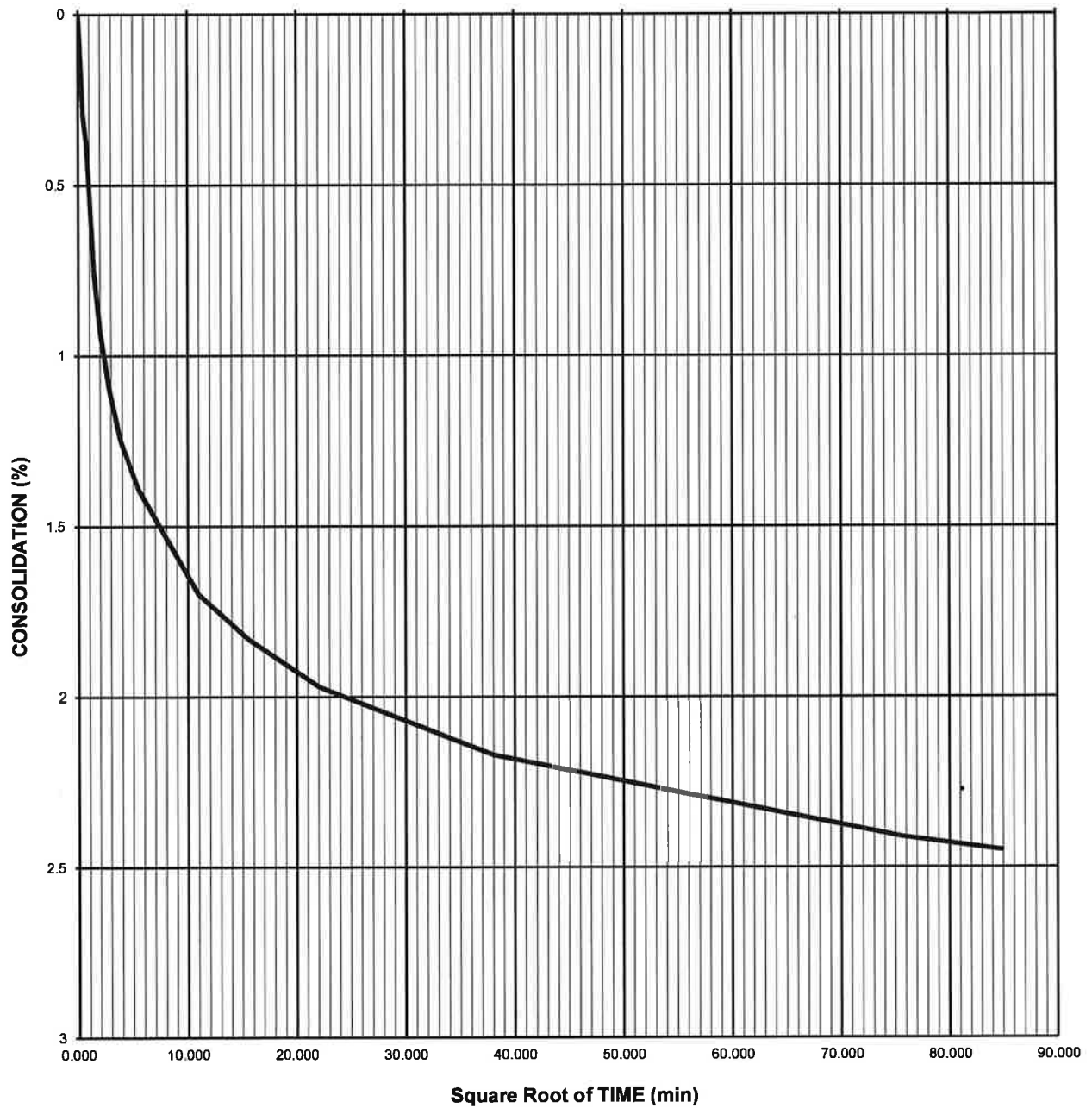
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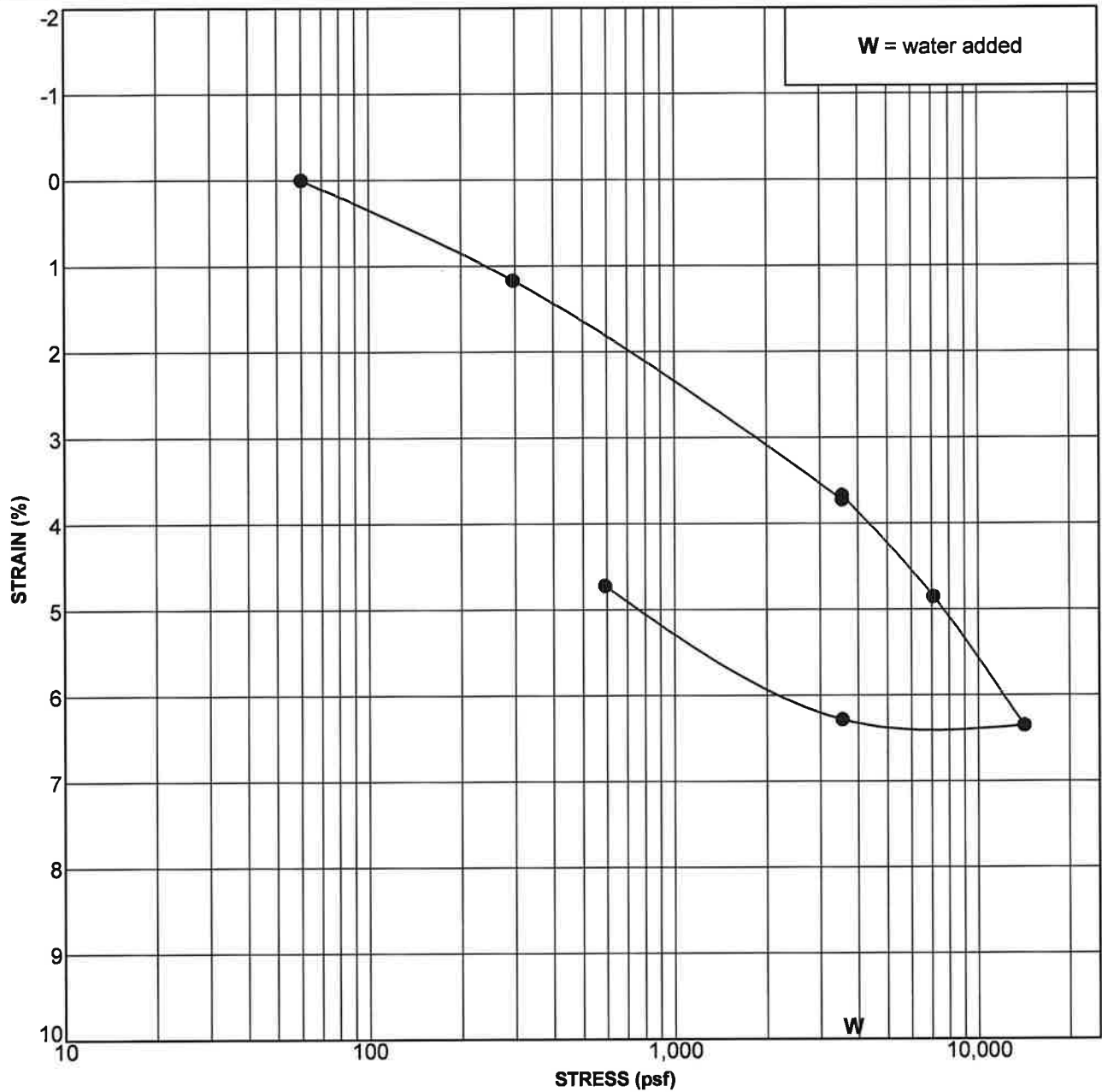




TIME RATE CONSOLIDATION RESULTS

PROJECT NAME:	Norcal Engineering (Alere)	PROJECT NUMBER:	L-200602
SAMPLE LOCATION:	B-2	SAMPLE DEPTH:	15
SAMPLE DESCRIPTION:	CLAYEY SILT (ML), gray	LOAD (PSF)	2360





Boring Number	Depth (feet)	Geologic Unit	Symbol	In Situ or Remolded Sample	% Hydro-Collapse	Classification
B-3	30.0		●	In Situ	-0.05	CLAYEY SILT (ML)

CONSOLIDATION TEST DATA

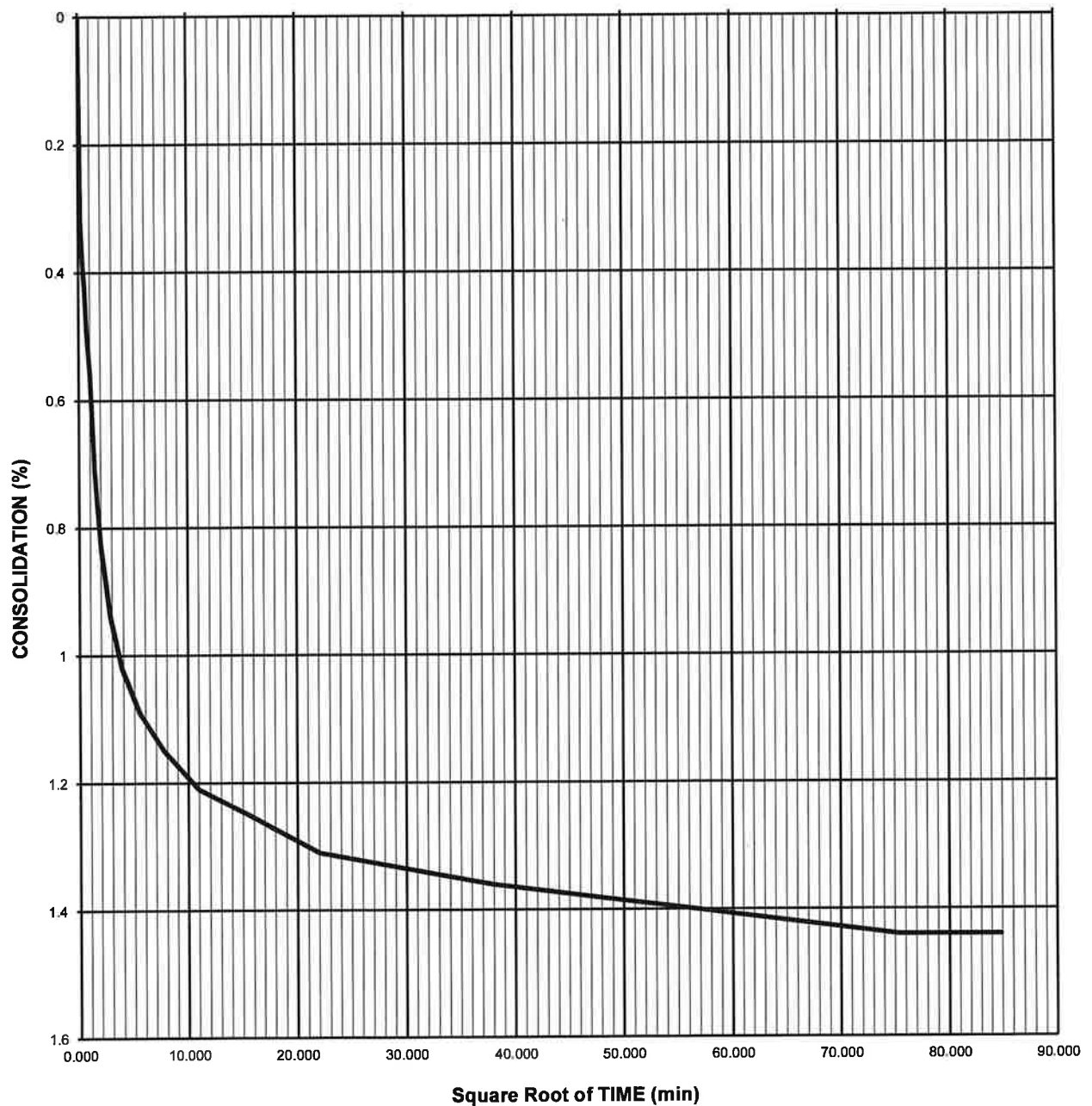
Project: Norcal - Alere

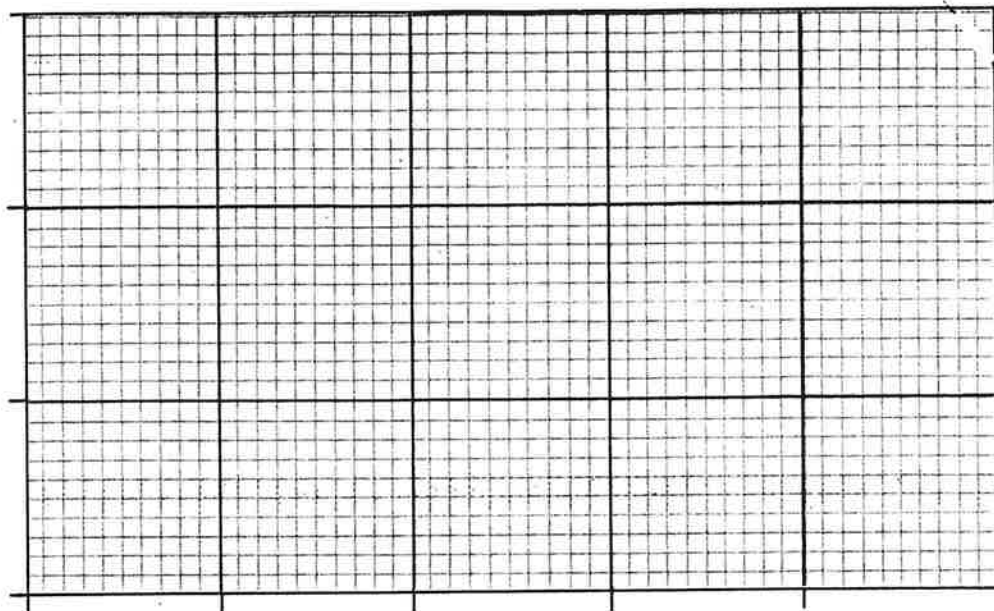
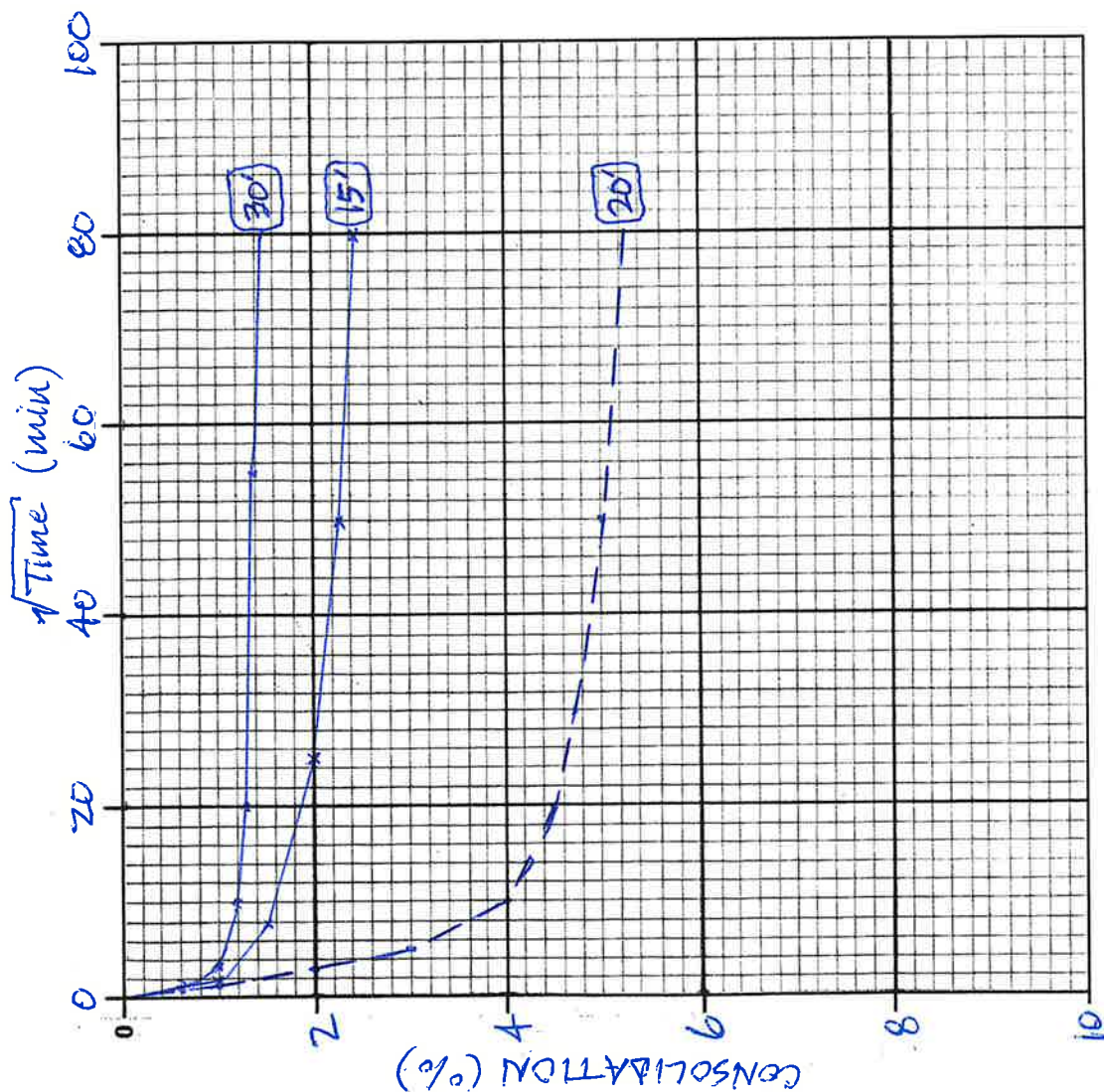
Project No. L-200602



TIME RATE CONSOLIDATION RESULTS

PROJECT NAME:	Norcal Engineering (Alere)	PROJECT NUMBER:	L-200602
SAMPLE LOCATION:	B-3	SAMPLE DEPTH:	30
SAMPLE DESCRIPTION:	CLAYEY SILT (ML), gray	LOAD (PSF)	7080





NorCal Engineering
SOILS AND GEOTECHNICAL CONSULTANTS

CONSOLIDATION VERSUS
TIME RESULTS

21916-20

DATE 7/2020

APPENDIX F

GREENHOUSE GAS ANALYSIS

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San Francisco Avenue

GREENHOUSE GAS ANALYSIS

CITY OF LONG BEACH

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AUGUST 18, 2021

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LIST OF ABBREVIATED TERMS

%	Percent
°C	Degrees Celsius
°F	Degrees Fahrenheit
(1)	Reference
2017 Scoping Plan	Final 2017 Scoping Plan Update
AB	Assembly Bill
AB 32	Global Warming Solutions Act of 2006
AB 1493	Pavley Fuel Efficiency Standards
AB 1881	California Water Conservation Landscaping Act of 2006
Annex I	Industrialized Nations
AQIA	<i>San Francisco Avenue Air Quality Impact Analysis</i>
BAU	Business As Usual
C ₂ F ₆	Hexafluoroethane
C ₂ H ₆	Ethane
CAA	Federal Clean Air Act
CalEEMod	California Emissions Estimator Model
CalEPA	California Environmental Protection Agency
CAL FIRE	California Department of Forestry and Fire Protection
CALGAPS	California LBNL GHG Analysis of Policies Spreadsheet
CALGreen	California Green Building Standards Code
CalSTA	California State Transportation Agency
Caltrans	California Department of Transportation
CAP	Climate Action Plan
CAPCOA	California Air Pollution Control Officers Association
CARB	California Air Resource Board
CBSC	California Building Standards Commission
CEC	California Energy Commission
CCR	California Code of Regulations
CEQA	California Environmental Quality Act
<i>CEQA Guidelines</i>	<i>2020 CEQA Statute and Guidelines</i>
CDFA	California Department of Food and Agriculture
CF ₄	Tetrafluoromethane
CFC	Chlorofluorocarbons
CFC-113	Trichlorotrifluoroethane
CH ₄	Methane
City	City of Long Beach

CNRA	California Natural Resources Agency
CNRA 2009	2009 California Climate Adaptation Strategy
CO ₂	Carbon Dioxide
CO ₂ e	Carbon Dioxide Equivalent
Convention	United Nation's Framework Convention on Climate Change
COP	Conference of the Parties
CPUC	California Public Utilities Commission
CTC	California Transportation Commission
DOF	Department of Finance
DWR	Department of Water Resources
EMFAC	Emission Factor Model
EPA	Environmental Protection Agency
EV	Electric Vehicle
FED	Functional Equivalent Document
GCC	Global Climate Change
Gg	Gigagram
GHGA	Greenhouse Gas Analysis
GO-Biz	Governor's Office of Business and Economic Development
GWP	Global Warming Potential
H ₂ O	Water
HFC	Hydrofluorocarbons
HDT	Heavy-Duty Trucks
HFC-23	Fluoroform
HFC-134a	1,1,1,2-tetrafluoroethane
HFC-152a	1,1-difluoroethane
HHDT	Heavy-Heavy-Duty Trucks
hp	Horsepower
IBANK	California Infrastructure and Economic Development Bank
IPCC	Intergovernmental Panel on Climate Change
IRP	Integrated Resource Planning
ISO	Independent System Operator
ITE	Institute of Transportation Engineers
kWh	Kilowatt Hours
lbs	Pounds
LBNL	Lawrence Berkeley National Laboratory
LCA	Life-Cycle Analysis
LCD	Liquid Crystal Display
LCFS	Low Carbon Fuel Standard or Executive Order S-01-07

LDA	Light-Duty Auto
LDT1/LDT2	Light-Duty Trucks
LEV III	Low-Emission Vehicle
LHDT1/LHDT2	Light-Heavy-Duty Trucks
<i>LUE EIR</i>	<i>Final Recirculated Environmental Impact Report General Plan Land Use and Urban Design Elements SCH No. 2015051054</i>
LULUCF	Land-Use, Land-Use Change and Forestry
MCY	Motorcycles
MD	Medium Duty
MDT	Medium-Duty Trucks
MDV	Medium-Duty Vehicles
MHDT	Medium-Heavy-Duty Trucks
MMR	Mandatory Reporting Rule
MMTCO ₂ e	Million Metric Ton of Carbon Dioxide Equivalent
mpg	Miles Per Gallon
MPOs	Metropolitan Planning Organizations
MMTCO ₂ e/yr	Million Metric Ton of Carbon Dioxide Equivalent Per Year
MT/yr	Metric Tons Per Year
MTCO ₂ e	Metric Ton of Carbon Dioxide Equivalent
MTCO ₂ e/yr	Metric Ton of Carbon Dioxide Equivalent Per Year
MW	Megawatts
MWh	Megawatts Per Hour
MWELO	California Department of Water Resources' Model Water Efficient
N ₂ O	Nitrous Oxide
NDC	Nationally Determined Contributions
NF ₃	Nitrogen Trifluoride
NHTSA	National Highway Traffic Safety Administration
NIOSH	National Institute for Occupational Safety and Health
NO _x	Nitrogen Oxides
Non-Annex I	Developing Nations
OAL	Office of Administrative Law
OPR	Office of Planning and Research
PFC	Perfluorocarbons
ppb	Parts Per Billion
ppm	Parts Per Million
ppt	Parts Per Trillion

Project	San Francisco Avenue
RPS	Renewable Portfolio Standards
RTP	Regional Transportation Plan
SAFE	Safer Affordable Fuel-Efficient Vehicles Rule
SB	Senate Bill
SB 32	California Global Warming Solutions Act of 2006
SB 375	Regional GHG Emissions Reduction Targets/Sustainable Communities Strategies
SB 1078	Renewable Portfolio Standards
SB 1368	Statewide Retail Provider Emissions Performance Standards
SCAB	South Coast Air Basin
SCAG	Southern California Association of Governments
SCAQMD	South Coast Air Quality Management District
SCE	Southern California Edison
Scoping Plan	California Air Resources Board Climate Change Scoping Plan
SCS	Sustainable Communities Strategy
sf	Square Feet
SF ₆	Sulfur Hexafluoride
SGC	Strategic Growth Council
SHGC	Solar Heat Gain Coefficient
SLPS	Short-Lived Climate Pollutant Strategy
SP	Service Population
SWCRB	State Water Resources Control Board
TDM	Transportation Demand Measures
Title 20	Appliance Energy Efficiency Standards
Title 24	California Building Code
U.N.	United Nations
U.S.	United States
UNFCCC	United Nations' Framework Convention on Climate Change
URBEMIS	Urban Emissions
UTR	Utility Tractors
VFP	Vehicle Fueling Positions
VMT	Vehicle Miles Traveled
WCI	Western Climate Initiative
WRCOG	Western Riverside Council of Governments
WRI	World Resources Institute
ZE/NZE	Zero and Near-Zero Emissions

ZEV

Zero-Emissions Vehicles

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EXECUTIVE SUMMARY

Pursuant to California Environmental Quality Act (CEQA) § 15164 (a) the lead agency shall prepare an addendum to a previously certified Environmental Impact Report (EIR) if some changes or additions are necessary but none of the conditions described in §15162 calling for preparation of a subsequent EIR have occurred. More specifically, §15162 (a)(3)(A) states that no subsequent EIR shall be prepared for the project unless the project will have one or more significant effects not discussed in the previous EIR. Significant and unavoidable impacts were previously identified and disclosed for GHG Impact #1 and less than significant impacts were disclosed for GHG Impact #2 in the previously analyzed *Final Recirculated Environmental Impact Report General Plan Land Use and Urban Design Elements SCH No. 2015051054* (referred to herein as *LUE EIR*) (1).

The current greenhouse gas (GHG) study prepared for the proposed Project utilizes the same analysis, methodologies and assumptions (as it relates to Project trip generation methodology) as that assumed and evaluated in the *LUE EIR*. Based on the revised analysis, there will be no additional significant and unavoidable impacts from those previously identified, and therefore a subsequent EIR is not required.

ES.1 SUMMARY OF FINDINGS

The results of this *San Francisco Avenue Greenhouse Gas Analysis* (GHGA) is summarized below based on the significance criteria in Section 3 of this report consistent with Appendix G of the *CEQA (California Environmental Quality Act) Guidelines* (2). Table ES-1 shows the findings of significance for potential GHG impacts under CEQA. The Project is required to comply with the applicable *LUE EIR* Project Design Features and Mitigation Measures (MM). As shown, no MMs beyond those already identified in the *LUE EIR* are required.

TABLE ES-1: SUMMARY OF CEQA SIGNIFICANCE FINDINGS

Analysis	Section	Significance Findings			New Significant Impact?
		LUE EIR	Proposed Project		
			Unmitigated	Mitigated	
GHG Impact #1: Would the Project generate GHG emissions either directly or indirectly, that may have a significant impact on the environment?	3.8	Significant and Unavoidable	Less Than Significant	n/a	NO
GHG Impact #2: Would the Project conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of GHGs?	3.8	Less Than Significant	Less Than Significant	n/a	NO

ES.2 PROJECT REQUIREMENTS

The Project would be required to comply with regulations imposed by the State of California and the South Coast Air Quality Management District (SCAQMD) aimed at the reduction of air pollutant emissions. Those that are directly and indirectly applicable to the Project and that would assist in the reduction of GHG emissions include:

- Global Warming Solutions Act of 2006 (Assembly Bill [AB] 32) (3).
- Regional GHG Emissions Reduction Targets/Sustainable Communities Strategies (Senate Bill [SB] 375) (4).
- Pavley Fuel Efficiency Standards (AB 1493). Establishes fuel efficiency ratings for new vehicles (5).
- California Building Code (Title 24 California Code of Regulations [CCR]). Establishes energy efficiency requirements for new construction (6).
- Appliance Energy Efficiency Standards (Title 20 CCR). Establishes energy efficiency requirements for appliances (7).
- Low Carbon Fuel Standard (LCFS). Requires carbon content of fuel sold in California to be 10 percent (%) less by 2020 (8).
- California Water Conservation in Landscaping Act of 2006 (AB 1881). Requires local agencies to adopt the Department of Water Resources updated Water Efficient Landscape Ordinance or equivalent by January 1, 2010 to ensure efficient landscapes in new development and reduced water waste in existing landscapes (9).
- Statewide Retail Provider Emissions Performance Standards (SB 1368). Requires energy generators to achieve performance standards for GHG emissions (10).

- Renewable Portfolio Standards (SB 1078 – also referred to as RPS). Requires electric corporations to increase the amount of energy obtained from eligible renewable energy resources to 20% by 2010 and 33% by 2020 (11).
- California Global Warming Solutions Act of 2006 (SB 32). Requires the state to reduce statewide GHG emissions to 40% below 1990 levels by 2030, a reduction target that was first introduced in Executive Order B-30-15 (12).

Promulgated regulations that will affect the Project's emissions are accounted for in the Project's GHG calculations provided in this report. In particular, AB 1493, LCFS, and RPS, and therefore are accounted for in the Project's emission calculations.

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1 INTRODUCTION

This report presents the results of the GHGA prepared by Urban Crossroads, Inc., for the proposed San Francisco Avenue (Project). The purpose of this GHGA is to evaluate Project-related construction and operational emissions and determine the level of GHG impacts as a result of constructing and operating the Project.

1.1 SITE LOCATION

The proposed Project is located on the southwest corner of San Francisco Avenue and Anaheim Street in the City of Long Beach, as shown on Exhibit 1-A. Existing land uses near the site include nearby residences located east and southeast of the Project site. The Los Angeles River is located to the west of the Project site.

1.2 PROJECT DESCRIPTION

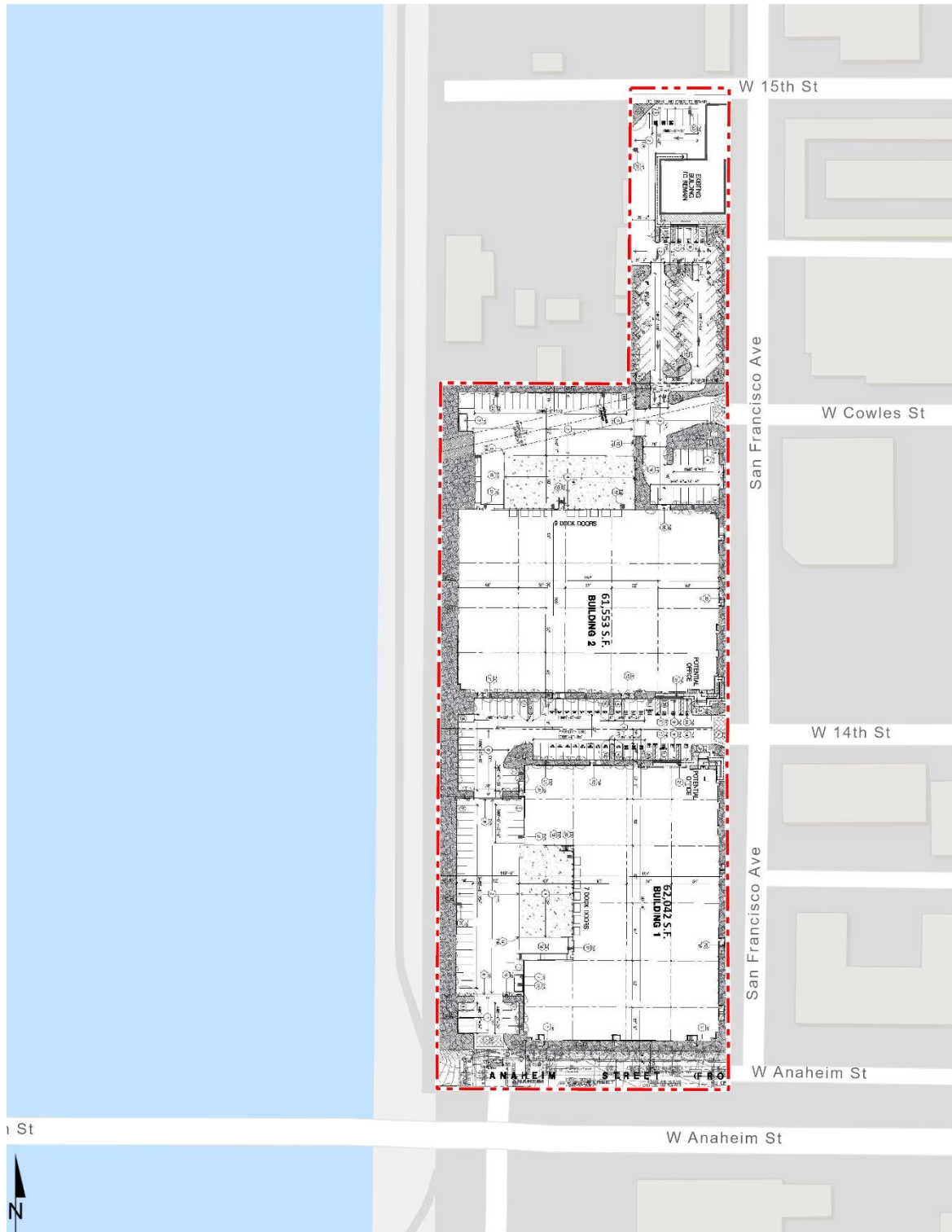
The proposed Project is to consist of two warehouse buildings totaling 123,595 square feet (sf) with Building 1 at 62,042 square feet, Building 2 at 61,553 square feet, and an existing 5,827 square foot building (to remain) as shown on Exhibit 1-B. For the purposes of this assessment, the mix of uses for the Project is assumed to consist of 61,797 square feet of warehousing use (no less than 50% warehousing use anticipated) and 61,798 square feet of general light industrial use (remaining 50% of the total square footage). The Project is anticipated to be open by the year 202.

This analysis includes a conservative assumption of on-site Project-related emission sources for potential future tenants, including architectural coatings, consumer products, landscape maintenance equipment, emissions associated with natural gas and electricity, and mobile source emissions. This analysis is intended to describe GHG impacts associated with the expected operational activities at the Project site. This report assumes the Project will operate 24-hours daily for seven days per week.

EXHIBIT 1-A: LOCATION MAP



EXHIBIT 1-B: SITE PLAN



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2 CLIMATE CHANGE SETTING

2.1 INTRODUCTION TO GLOBAL CLIMATE CHANGE (GCC)

GCC is defined as the change in average meteorological conditions on the earth with respect to temperature, precipitation, and storms. The majority of scientists believe that the climate shift taking place since the Industrial Revolution is occurring at a quicker rate and magnitude than in the past. Scientific evidence suggests that GCC is the result of increased concentrations of GHGs in the earth's atmosphere, including carbon dioxide (CO₂), methane (CH₄), nitrous oxide (N₂O), and fluorinated gases. The majority of scientists believe that this increased rate of climate change is the result of GHGs resulting from human activity and industrialization over the past 200 years.

An individual project like the proposed Project evaluated in this GHGA cannot generate enough GHG emissions to affect a discernible change in global climate. However, the proposed Project may participate in the potential for GCC by its incremental contribution of GHGs combined with the cumulative increase of all other sources of GHGs, which when taken together constitute potential influences on GCC. Because these changes may have serious environmental consequences, Section 3.0 will evaluate the potential for the proposed Project to have a significant effect upon the environment as a result of its potential contribution to the greenhouse effect.

2.2 GLOBAL CLIMATE CHANGE DEFINED

GCC refers to the change in average meteorological conditions on the earth with respect to temperature, wind patterns, precipitation, and storms. Global temperatures are regulated by naturally occurring atmospheric gases such as water vapor, CO₂, N₂O, CH₄, hydrofluorocarbons (HFCs), perfluorocarbons (PFCs), and sulfur hexafluoride (SF₆). These particular gases are important due to their residence time (duration they stay) in the atmosphere, which ranges from 10 years to more than 100 years. These gases allow solar radiation into the earth's atmosphere, but prevent radioactive heat from escaping, thus warming the earth's atmosphere. GCC can occur naturally as it has in the past with the previous ice ages.

Gases that trap heat in the atmosphere are often referred to as GHGs. GHGs are released into the atmosphere by both natural and anthropogenic activity. Without the natural GHG effect, the earth's average temperature would be approximately 61 degrees Fahrenheit (°F) cooler than it is currently. The cumulative accumulation of these gases in the earth's atmosphere is considered to be the cause for the observed increase in the earth's temperature.

2.3 GHGs

2.3.1 GHGS AND HEALTH EFFECTS

GHGs trap heat in the atmosphere, creating a GHG effect that results in global warming and climate change. Many gases demonstrate these properties and are discussed in Table 2-1. For the purposes of this analysis, emissions of CO₂, CH₄, and N₂O were evaluated (see Table 3-1 later in this report) because these gases are the primary contributors to GCC from development

projects. Although there are other substances such as fluorinated gases that also contribute to GCC, these fluorinated gases were not evaluated as their sources are not well-defined and do not contain accepted emissions factors or methodology to accurately calculate these gases.

TABLE 2-1: GHGS

GHGs	Description	Sources	Health Effects
Water	Water is the most abundant, important, and variable GHG in the atmosphere. Water vapor is not considered a pollutant; in the atmosphere it maintains a climate necessary for life. Changes in its concentration are primarily considered to be a result of climate feedbacks related to the warming of the atmosphere rather than a direct result of industrialization. A climate feedback is an indirect, or secondary, change, either positive or negative, that occurs within the climate system in response to a forcing mechanism. The feedback loop in which water is involved is critically important to projecting future climate change. As the temperature of the atmosphere rises, more water is evaporated from ground storage (rivers, oceans, reservoirs, soil). Because the air is warmer, the relative humidity can be higher (in essence, the air is able to 'hold' more water when it is warmer), leading to more water vapor in the atmosphere. As a GHG, the higher concentration of water vapor is then able to absorb more thermal indirect energy radiated from the Earth, thus further warming the atmosphere. The warmer atmosphere can then hold more water vapor and so on and so on. This is referred to as a "positive feedback loop." The extent to which this positive feedback loop will continue is	The main source of water vapor is evaporation from the oceans (approximately 85%). Other sources include evaporation from other water bodies, sublimation (change from solid to gas) from sea ice and snow, and transpiration from plant leaves.	There are no known direct health effects related to water vapor at this time. It should be noted however that when some pollutants react with water vapor, the reaction forms a transport mechanism for some of these pollutants to enter the human body through water vapor.

GHGs	Description	Sources	Health Effects
	unknown as there are also dynamics that hold the positive feedback loop in check. As an example, when water vapor increases in the atmosphere, more of it will eventually condense into clouds, which are more able to reflect incoming solar radiation (thus allowing less energy to reach the earth's surface and heat it up) (13).		
CO ₂	CO ₂ is an odorless and colorless GHG. Since the industrial revolution began in the mid-1700s, the sort of human activity that increases GHG emissions has increased dramatically in scale and distribution. Data from the past 50 years suggests a corollary increase in levels and concentrations. As an example, prior to the industrial revolution, CO ₂ concentrations were fairly stable at 280 parts per million (ppm). Today, they are around 370 ppm, an increase of more than 30%. Left unchecked, the concentration of CO ₂ in the atmosphere is projected to increase to a minimum of 540 ppm by 2100 as a direct result of anthropogenic sources (14).	CO ₂ is emitted from natural and manmade sources. Natural sources include: the decomposition of dead organic matter; respiration of bacteria, plants, animals, and fungus; evaporation from oceans; and volcanic outgassing. Anthropogenic sources include: the burning of coal, oil, natural gas, and wood. CO ₂ is naturally removed from the air by photosynthesis, dissolution into ocean water, transfer to soils and ice caps, and chemical weathering of carbonate rocks (15).	Outdoor levels of CO ₂ are not high enough to result in negative health effects. According to the National Institute for Occupational Safety and Health (NIOSH) high concentrations of CO ₂ can result in health effects such as: headaches, dizziness, restlessness, difficulty breathing, sweating, increased heart rate, increased cardiac output, increased blood pressure, coma, asphyxia, and/or convulsions. It should be noted that current concentrations of CO ₂ in the earth's atmosphere are estimated to be approximately 370 ppm, the actual reference exposure level (level at which adverse health effects typically occur) is at exposure levels of 5,000 ppm averaged over 10 hours in a 40-hour workweek and short-term reference exposure levels of 30,000 ppm averaged over a 15 minute period (16).

GHGs	Description	Sources	Health Effects
CH ₄	CH ₄ is an extremely effective absorber of radiation, although its atmospheric concentration is less than CO ₂ and its lifetime in the atmosphere is brief (10-12 years), compared to other GHGs.	CH ₄ has both natural and anthropogenic sources. It is released as part of the biological processes in low oxygen environments, such as in swamplands or in rice production (at the roots of the plants). Over the last 50 years, human activities such as growing rice, raising cattle, using natural gas, and mining coal have added to the atmospheric concentration of CH ₄ . Other anthropogenic sources include fossil-fuel combustion and biomass burning (17).	CH ₄ is extremely reactive with oxidizers, halogens, and other halogen-containing compounds. Exposure to high levels of CH ₄ can cause asphyxiation, loss of consciousness, headache and dizziness, nausea and vomiting, weakness, loss of coordination, and an increased breathing rate.
N ₂ O	N ₂ O, also known as laughing gas, is a colorless GHG. Concentrations of N ₂ O also began to rise at the beginning of the industrial revolution. In 1998, the global concentration was 314 parts per billion (ppb).	N ₂ O is produced by microbial processes in soil and water, including those reactions which occur in fertilizer containing nitrogen. In addition to agricultural sources, some industrial processes (fossil fuel-fired power plants, nylon production, nitric acid production, and vehicle emissions) also contribute to its atmospheric load. It is used as an aerosol spray propellant, i.e., in whipped cream bottles. It is also	N ₂ O can cause dizziness, euphoria, and sometimes slight hallucinations. In small doses, it is considered harmless. However, in some cases, heavy and extended use can cause Olney's Lesions (brain damage) (18).

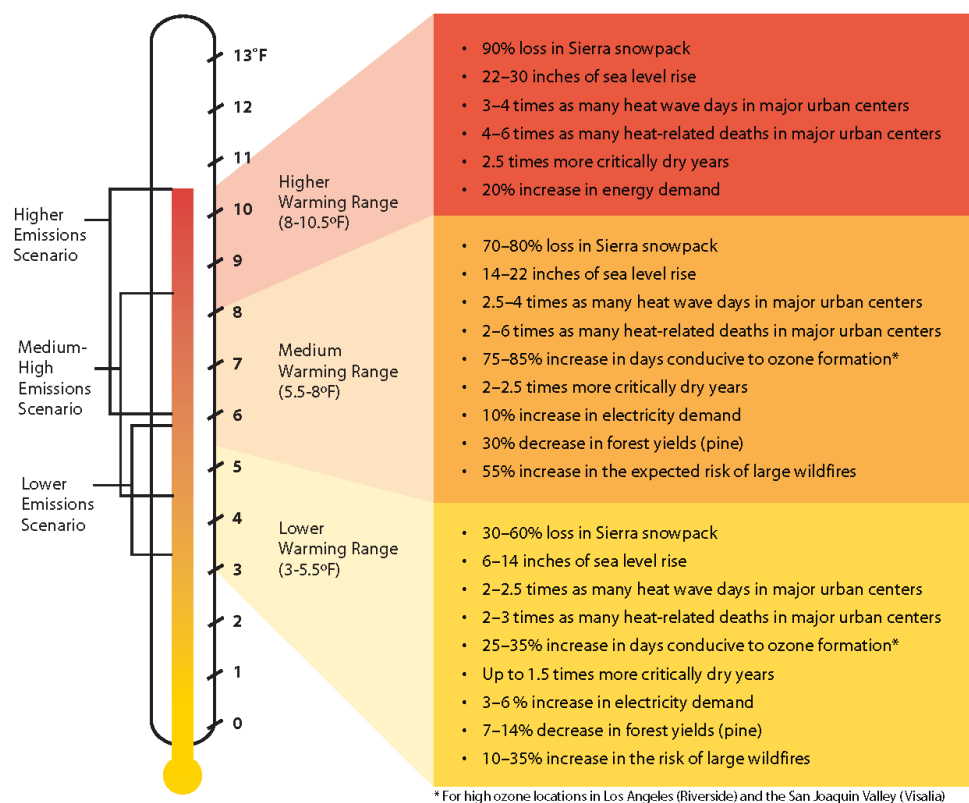
GHGs	Description	Sources	Health Effects
		used in potato chip bags to keep chips fresh. It is used in rocket engines and in race cars. N ₂ O can be transported into the stratosphere, be deposited on the earth's surface, and be converted to other compounds by chemical reaction (18).	
Chlorofluorocarbons (CFCs)	CFCs are gases formed synthetically by replacing all hydrogen atoms in CH ₄ or ethane (C ₂ H ₆) with chlorine and/or fluorine atoms. CFCs are nontoxic, nonflammable, insoluble and chemically unreactive in the troposphere (the level of air at the earth's surface).	CFCs have no natural source but were first synthesized in 1928. They were used for refrigerants, aerosol propellants and cleaning solvents. Due to the discovery that they are able to destroy stratospheric ozone, a global effort to halt their production was undertaken and was extremely successful, so much so that levels of the major CFCs are now remaining steady or declining. However, their long atmospheric lifetimes mean that some of the CFCs will remain in the atmosphere for over 100 years (19).	In confined indoor locations, working with trichlorotrifluoroethane (CFC-113) or other CFCs is thought to result in death by cardiac arrhythmia (heart frequency too high or too low) or asphyxiation.

GHGs	Description	Sources	Health Effects
HFCs	HFCs are synthetic, man-made chemicals that are used as a substitute for CFCs. Out of all the GHGs, they are one of three groups with the highest global warming potential (GWP). The HFCs with the largest measured atmospheric abundances are (in order), Fluoroform (HFC-23), 1,1,1,2-tetrafluoroethane (HFC-134a), and 1,1-difluoroethane (HFC-152a). Prior to 1990, the only significant emissions were of HFC-23. HFC-134a emissions are increasing due to its use as a refrigerant.	HFCs are manmade for applications such as automobile air conditioners and refrigerants.	No health effects are known to result from exposure to HFCs.
PFCs	PFCs have stable molecular structures and do not break down through chemical processes in the lower atmosphere. High-energy ultraviolet rays, which occur about 60 kilometers above earth's surface, are able to destroy the compounds. Because of this, PFCs have very long lifetimes, between 10,000 and 50,000 years. Two common PFCs are tetrafluoromethane (CF ₄) and hexafluoroethane (C ₂ F ₆). The EPA estimates that concentrations of CF ₄ in the atmosphere are over 70 parts per trillion (ppt).	The two main sources of PFCs are primary aluminum production and semiconductor manufacture.	No health effects are known to result from exposure to PFCs.
SF ₆	SF ₆ is an inorganic, odorless, colorless, nontoxic, nonflammable gas. It also has the highest GWP of any gas evaluated (23,900) (20). The EPA indicates that concentrations in the 1990s were about 4 ppt.	SF ₆ is used for insulation in electric power transmission and distribution equipment, in the magnesium industry, in semiconductor manufacturing, and as a tracer gas for leak detection.	In high concentrations in confined areas, the gas presents the hazard of suffocation because it displaces the oxygen needed for breathing.

GHGs	Description	Sources	Health Effects
Nitrogen Trifluoride (NF ₃)	NF ₃ is a colorless gas with a distinctly moldy odor. The World Resources Institute (WRI) indicates that NF ₃ has a 100-year GWP of 17,200 (21).	NF ₃ is used in industrial processes and is produced in the manufacturing of semiconductors, Liquid Crystal Display (LCD) panels, types of solar panels, and chemical lasers.	Long-term or repeated exposure may affect the liver and kidneys and may cause fluorosis (22).

The potential health effects related directly to the emissions of CO₂, CH₄, and N₂O as they relate to development projects such as the proposed Project are still being debated in the scientific community. Their cumulative effects to GCC have the potential to cause adverse effects to human health. Increases in Earth's ambient temperatures would result in more intense heat waves, causing more heat-related deaths. Scientists also purport that higher ambient temperatures would increase disease survival rates and result in more widespread disease. Climate change will likely cause shifts in weather patterns, potentially resulting in devastating droughts and food shortages in some areas (23). Exhibit 2-A presents the potential impacts of global warming (24).

EXHIBIT 2-A: SUMMARY OF PROJECTED GLOBAL WARMING IMPACT, 2070-2099 (AS COMPARED WITH 1961-1990)



Source: Barbara H. Allen-Diaz. "Climate change affects us all." *University of California, Agriculture and Natural Resources*, 2009.

2.4 GLOBAL WARMING POTENTIAL

GHGs have varying GWP values. GWP of a GHG indicates the amount of warming a gas causes over a given period of time and represents the potential of a gas to trap heat in the atmosphere. CO₂ is utilized as the reference gas for GWP, and thus has a GWP of 1. CO₂ equivalent (CO₂e) is defined as the number of metric tons of CO₂ emissions with the same GWP as one metric ton of another GHG.

The atmospheric lifetime and GWP of selected GHGs are summarized at Table 2-2. As shown in the table below, GWP for the 2nd Assessment Report, the Intergovernmental Panel on Climate Change (IPCC)'s scientific and socio-economic assessment on climate change, range from 1 for CO₂ to 23,900 for SF₆ and GWP for the IPCC's 5th Assessment Report range from 1 for CO₂ to 23,500 for SF₆ (25).

TABLE 2-2: GWP AND ATMOSPHERIC LIFETIME OF SELECT GHGS

Gas	Atmospheric Lifetime (years)	GWP (100-year time horizon)	
		2 nd Assessment Report	5 th Assessment Report
CO ₂	See*	1	1
CH ₄	12 .4	21	28
N ₂ O	121	310	265
HFC-23	222	11,700	12,400
HFC-134a	13.4	1,300	1,300
HFC-152a	1.5	140	138
SF ₆	3,200	23,900	23,500

*As per Appendix 8.A. of IPCC's 5th Assessment Report, no single lifetime can be given.

Source: Table 2.14 of the IPCC Fourth Assessment Report, 2007

2.5 GHG EMISSIONS INVENTORIES

2.5.1 GLOBAL

Worldwide anthropogenic GHG emissions are tracked by the IPCC for industrialized nations (referred to as Annex I) and developing nations (referred to as Non-Annex I). Human GHG emissions data for Annex I nations are available through 2018. Based on the latest available data, the sum of these emissions totaled approximately 28,768,439 gigagram (Gg) CO₂e¹ (26) (27) as summarized on Table 2-3.

¹ The global emissions are the sum of Annex I and non-Annex I countries, without counting Land-Use, Land-Use Change and Forestry (LULUCF). For countries without 2018 data, the United Nations' Framework Convention on Climate Change (UNFCCC) data for the most recent year were used U.N. Framework Convention on Climate Change, "Annex I Parties – GHG total without LULUCF," The most recent GHG emissions for China and India are from 2014 and 2010, respectively.

2.5.2 UNITED STATES

As noted in Table 2-3, the United States, as a single country, was the number two producer of GHG emissions in 2018.

TABLE 2-3: TOP GHG PRODUCING COUNTRIES AND THE EUROPEAN UNION ²

Emitting Countries	GHG Emissions (Gg CO₂e)
China	12,300,200
United States	6,676,650
European Union (28-member countries)	4,232,274
Russian Federation	2,220,123
India	2,100,850
Japan	1,238,343
Total	28,768,439

2.5.3 STATE OF CALIFORNIA

California has significantly slowed the rate of growth of GHG emissions due to the implementation of energy efficiency programs as well as adoption of strict emission controls but is still a substantial contributor to the United States (U.S.) emissions inventory total (28). The California Air Resource Board (CARB) compiles GHG inventories for the State of California. Based upon the 2019 GHG inventory data (i.e., the latest year for which data are available) for the 2000-2018 GHG emissions period, California emitted an average 425.3 million metric tons of CO₂e per year (MMTCO₂e/yr) or 425,320 Gg CO₂e (6.37% of the total United States GHG emissions) (29).

2.6 EFFECTS OF CLIMATE CHANGE IN CALIFORNIA

2.6.1 PUBLIC HEALTH

Higher temperatures may increase the frequency, duration, and intensity of conditions conducive to air pollution formation. For example, days with weather conducive to ozone formation could increase from 25 to 35% under the lower warming range to 75 to 85% under the medium warming range. In addition, if global background ozone levels increase as predicted in some scenarios, it may become impossible to meet local air quality standards. Air quality could be further compromised by increases in wildfires, which emit fine particulate matter that can travel long distances, depending on wind conditions. The Climate Scenarios report indicates that large wildfires could become up to 55% more frequent if GHG emissions are not significantly reduced.

In addition, under the higher warming range scenario, there could be up to 100 more days per year with temperatures above 90°F in Los Angeles and 95°F in Sacramento by 2100. This is a large increase over historical patterns and approximately twice the increase projected if temperatures remain within or below the lower warming range. Rising temperatures could increase the risk of

² Used <http://unfccc.int> data for Annex I countries. Consulted the CAIT Climate Data Explorer in <https://www.climatewatchdata.org> site to reference Non-Annex I countries of China and India.

death from dehydration, heat stroke/exhaustion, heart attack, stroke, and respiratory distress caused by extreme heat.

2.6.2 WATER RESOURCES

A vast network of man-made reservoirs and aqueducts captures and transports water throughout the state from northern California rivers and the Colorado River. The current distribution system relies on the Sierra Nevada snowpack to supply water during the dry spring and summer months. Rising temperatures, potentially compounded by decreases in precipitation, could severely reduce spring snowpack, increasing the risk of summer water shortages.

If temperatures continue to increase, more precipitation could fall as rain instead of snow, and the snow that does fall could melt earlier, reducing the Sierra Nevada spring snowpack by as much as 70 to 90%. Under the lower warming range scenario, snowpack losses could be only half as large as those possible if temperatures were to rise to the higher warming range. How much snowpack could be lost depends in part on future precipitation patterns, the projections for which remain uncertain. However, even under the wetter climate projections, the loss of snowpack could pose challenges to water managers and hamper hydropower generation. Winter tourism could be adversely affected, under the lower warming range, the ski season at lower elevations could be reduced by as much as a month. If temperatures reach the higher warming range and precipitation declines, there might be many years with insufficient snow for skiing and snowboarding.

The State's water supplies are also at risk from rising sea levels. An influx of saltwater could degrade California's estuaries, wetlands, and groundwater aquifers. Saltwater intrusion caused by rising sea levels is a major threat to the quality and reliability of water within the southern edge of the Sacramento/San Joaquin River Delta – a major fresh water supply.

2.6.3 AGRICULTURE

Increased temperatures could cause widespread changes to the agriculture industry reducing the quantity and quality of agricultural products statewide. First, California farmers could possibly lose as much as 25% of the water supply needed. Although higher CO₂ levels can stimulate plant production and increase plant water-use efficiency, California's farmers could face greater water demand for crops and a less reliable water supply as temperatures rise. Crop growth and development could change, as could the intensity and frequency of pest and disease outbreaks. Rising temperatures could aggravate ozone pollution, which makes plants more susceptible to disease and pests and interferes with plant growth.

Plant growth tends to be slow at low temperatures, increasing with rising temperatures up to a threshold. However, faster growth can result in less-than-optimal development for many crops, so rising temperatures could worsen the quantity and quality of yield for a number of California's agricultural products. Products likely to be most affected include wine grapes, fruits, and nuts.

In addition, continued GCC could shift the ranges of existing invasive plants and weeds and alter competition patterns with native plants. Range expansion could occur in many species while range contractions may be less likely in rapidly evolving species with significant populations

already established. Should range contractions occur, new or different weed species could fill the emerging gaps. Continued GCC could alter the abundance and types of many pests, lengthen pests' breeding season, and increase pathogen growth rates.

2.6.4 FORESTS AND LANDSCAPES

GCC has the potential to intensify the current threat to forests and landscapes by increasing the risk of wildfire and altering the distribution and character of natural vegetation. If temperatures rise into the medium warming range, the risk of large wildfires in California could increase by as much as 55%, which is almost twice the increase expected if temperatures stay in the lower warming range. However, since wildfire risk is determined by a combination of factors, including precipitation, winds, temperature, and landscape and vegetation conditions, future risks will not be uniform throughout the state. In contrast, wildfires in northern California could increase by up to 90% due to decreased precipitation.

Moreover, continued GCC has the potential to alter natural ecosystems and biological diversity within the state. For example, alpine and subalpine ecosystems could decline by as much as 60 to 80% by the end of the century as a result of increasing temperatures. The productivity of the state's forests has the potential to decrease as a result of GCC.

2.6.5 RISING SEA LEVELS

Rising sea levels, more intense coastal storms, and warmer water temperatures could increasingly threaten the state's coastal regions. Under the higher warming range scenario, sea level is anticipated to rise 22 to 35 inches by 2100. Elevations of this magnitude would inundate low-lying coastal areas with saltwater, accelerate coastal erosion, threaten vital levees and inland water systems, and disrupt wetlands and natural habitats. Under the lower warming range scenario, sea level could rise 12-14 inches.

2.7 REGULATORY SETTING

2.7.1 INTERNATIONAL

Climate change is a global issue involving GHG emissions from all around the world; therefore, international organizations and countries such as the ones discussed below have made an effort to reduce GHGs.

IPCC

In 1988, the United Nations (U.N.) and the World Meteorological Organization established the IPCC to assess the scientific, technical, and socioeconomic information relevant to understanding the scientific basis of risk of human-induced climate change, its potential impacts, and options for adaptation and mitigation.

UNITED NATION'S FRAMEWORK CONVENTION ON CLIMATE CHANGE (CONVENTION)

On March 21, 1994, the U.S. joined a number of countries around the world in signing the Convention. Under the Convention, governments gather and share information on GHG

emissions, national policies, and best practices; launch national strategies for addressing GHG emissions and adapting to expected impacts, including the provision of financial and technological support to developing countries; and cooperate in preparing for adaptation to the impacts of climate change.

INTERNATIONAL CLIMATE CHANGE TREATIES

The Kyoto Protocol is an international agreement linked to the Convention. The major feature of the Kyoto Protocol is that it sets binding targets for 37 industrialized countries and the European community for reducing GHG emissions at an average of 5% against 1990 levels over the five-year period 2008–2012. The Convention (as discussed above) encouraged industrialized countries to stabilize emissions; however, the Protocol commits them to do so. Developed countries have contributed more emissions over the last 150 years; therefore, the Protocol places a heavier burden on developed nations under the principle of “common but differentiated responsibilities.”

In 2001, President George W. Bush indicated that he would not submit the treaty to the U.S. Senate for ratification, which effectively ended American involvement in the Kyoto Protocol. In December 2009, international leaders met in Copenhagen to address the future of international climate change commitments post-Kyoto. No binding agreement was reached in Copenhagen; however, the Committee identified the long-term goal of limiting the maximum global average temperature increase to no more than 2 degrees Celsius (°C) above pre-industrial levels, subject to a review in 2015. The UN Climate Change Committee held additional meetings in Durban, South Africa in November 2011; Doha, Qatar in November 2012; and Warsaw, Poland in November 2013. The meetings are gradually gaining consensus among participants on individual climate change issues.

On September 23, 2014 more than 100 Heads of State and Government and leaders from the private sector and civil society met at the Climate Summit in New York hosted by the U.N. At the Summit, heads of government, business and civil society announced actions in areas that would have the greatest impact on reducing emissions, including climate finance, energy, transport, industry, agriculture, cities, forests, and building resilience.

Parties to the U.N. Framework Convention on Climate Change (UNFCCC) reached a landmark agreement on December 12, 2015 in Paris, charting a fundamentally new course in the two-decade-old global climate effort. Culminating a four-year negotiating round, the new treaty ends the strict differentiation between developed and developing countries that characterized earlier efforts, replacing it with a common framework that commits all countries to put forward their best efforts and to strengthen them in the years ahead. This includes, for the first time, requirements that all parties report regularly on their emissions and implementation efforts and undergo international review.

The agreement and a companion decision by parties were the key outcomes of the conference, known as the 21st session of the UNFCCC Conference of the Parties (COP) 21. Together, the Paris Agreement and the accompanying COP decision:

- Reaffirm the goal of limiting global temperature increase well below 2°C, while urging efforts to limit the increase to 1.5 degrees;
- Establish binding commitments by all parties to make “nationally determined contributions” (NDCs), and to pursue domestic measures aimed at achieving them;
- Commit all countries to report regularly on their emissions and “progress made in implementing and achieving” their NDCs, and to undergo international review;
- Commit all countries to submit new NDCs every five years, with the clear expectation that they will “represent a progression” beyond previous ones;
- Reaffirm the binding obligations of developed countries under the UNFCCC to support the efforts of developing countries, while for the first time encouraging voluntary contributions by developing countries too;
- Extend the current goal of mobilizing \$100 billion a year in support by 2020 through 2025, with a new, higher goal to be set for the period after 2025;
- Extend a mechanism to address “loss and damage” resulting from climate change, which explicitly will not “involve or provide a basis for any liability or compensation;”
- Require parties engaging in international emissions trading to avoid “double counting;” and
- Call for a new mechanism, similar to the Clean Development Mechanism under the Kyoto Protocol, enabling emission reductions in one country to be counted toward another country’s NDC (C2ES 2015a) (30).

On November 4, 2019, the Trump administration formally notified the U.N. that the U.S. would withdraw from the Paris Agreement. It should be noted that withdrawal will be effective one year after notification in 2020.

2.7.2 NATIONAL

Prior to the last decade, there have been no concrete federal regulations of GHGs or major planning for climate change adaptation. The following are actions regarding the federal government, GHGs, and fuel efficiency.

GHG ENDANGERMENT

In *Massachusetts v. Environmental Protection Agency* (EPA) 549 U.S. 497 (2007), decided on April 2, 2007, the U.S. Supreme Court (Supreme Court) found that four GHGs, including CO₂, are air pollutants subject to regulation under Section 202(a)(1) of the Federal Clean Air Act (CAA). The Court held that the EPA Administrator must determine whether emissions of GHGs from new motor vehicles cause or contribute to air pollution, which may reasonably be anticipated to endanger public health or welfare, or whether the science is too uncertain to make a reasoned decision. On December 7, 2009, the EPA Administrator signed two distinct findings regarding GHGs under section 202(a) of the CAA:

- Endangerment Finding: The Administrator finds that the current and projected concentrations of the six key well-mixed GHGs— CO₂, CH₄, N₂O, HFCs, PFCs, and SF₆—in the atmosphere threaten the public health and welfare of current and future generations.

- **Cause or Contribute Finding:** The Administrator finds that the combined emissions of these well-mixed GHGs from new motor vehicles and new motor vehicle engines contribute to the GHG pollution, which threatens public health and welfare.

These findings do not impose requirements on industry or other entities. However, this was a prerequisite for implementing GHG emissions standards for vehicles, as discussed in the section “Clean Vehicles” below. After a lengthy legal challenge, the Supreme Court declined to review an Appeals Court ruling that upheld the EPA Administrator’s findings (31).

CLEAN VEHICLES

Congress first passed the Corporate Average Fuel Economy law in 1975 to increase the fuel economy of cars and light duty trucks. The law has become more stringent over time. On May 19, 2009, President Obama put in motion a new national policy to increase fuel economy for all new cars and trucks sold in the U.S. On April 1, 2010, the EPA and the Department of Transportation’s National Highway Traffic Safety Administration (NHTSA) announced a joint final rule establishing a national program that would reduce GHG emissions and improve fuel economy for new cars and trucks sold in the U.S.

The first phase of the national program applies to passenger cars, light-duty trucks, and medium-duty (MD) passenger vehicles, covering model years 2012 through 2016. They require these vehicles to meet an estimated combined average emissions level of 250 grams of CO₂ per mile, equivalent to 35.5 miles per gallon (mpg) if the automobile industry were to meet this CO₂ level solely through fuel economy improvements. Together, these standards would cut CO₂ emissions by an estimated 960 million metric tons and 1.8 billion barrels of oil over the lifetime of the vehicles sold under the program (model years 2012–2016). The EPA and the NHTSA issued final rules on a second-phase joint rulemaking establishing national standards for light-duty vehicles for model years 2017 through 2025 in August 2012. The new standards for model years 2017 through 2025 apply to passenger cars, light-duty trucks, and MD passenger vehicles. The final standards are projected to result in an average industry fleetwide level of 163 grams/mile of CO₂ in model year 2025, which is equivalent to 54.5 mpg if achieved exclusively through fuel economy improvements.

The EPA and the U.S. Department of Transportation issued final rules for the first national standards to reduce GHG emissions and improve fuel efficiency of heavy-duty trucks (HDT) and buses on September 15, 2011, effective November 14, 2011. For combination tractors, the agencies are proposing engine and vehicle standards that begin in the 2014 model year and achieve up to a 20% reduction in CO₂ emissions and fuel consumption by the 2018 model year. For HDT and vans, the agencies are proposing separate gasoline and diesel truck standards, which phase in starting in the 2014 model year and achieve up to a 10% reduction for gasoline vehicles and a 15% reduction for diesel vehicles by the 2018 model year (12 and 17% respectively if accounting for air conditioning leakage). Lastly, for vocational vehicles, the engine and vehicle standards would achieve up to a 10% reduction in fuel consumption and CO₂ emissions from the 2014 to 2018 model years.

On August 2, 2018, the NHTSA in conjunction with the EPA, released a notice of proposed rulemaking, the *Safer Affordable Fuel-Efficient (SAFE) Vehicles Rule for Model Years 2021-2026 Passenger Cars and Light Trucks* (SAFE Vehicles Rule). The SAFE Vehicles Rule was proposed to amend existing Corporate Average Fuel Economy (CAFE) and tailpipe CO₂ standards for passenger cars and light trucks and to establish new standards covering model years 2021 through 2026. As of March 31, 2020, the NHTSA and EPA finalized the SAFE Vehicle Rule which increased stringency of CAFE and CO₂ emissions standards by 1.5% each year through model year 2026 (32).

MANDATORY REPORTING OF GHGs

The Consolidated Appropriations Act of 2008, passed in December 2007, requires the establishment of mandatory GHG reporting requirements. On September 22, 2009, the EPA issued the Final Mandatory Reporting of GHGs Rule, which became effective January 1, 2010. The rule requires reporting of GHG emissions from large sources and suppliers in the U.S. and is intended to collect accurate and timely emissions data to inform future policy decisions. Under the rule, suppliers of fossil fuels or industrial GHGs, manufacturers of vehicles and engines, and facilities that emit 25,000 metric tons per year (MT/yr) or more of GHG emissions are required to submit annual reports to the EPA.

NEW SOURCE REVIEW

The EPA issued a final rule on May 13, 2010, that establishes thresholds for GHGs that define when permits under the New Source Review Prevention of Significant Deterioration and Title V Operating Permit programs are required for new and existing industrial facilities. This final rule “tailors” the requirements of these CAA permitting programs to limit which facilities will be required to obtain Prevention of Significant Deterioration and Title V permits. In the preamble to the revisions to the Federal Code of Regulations, the EPA states:

“This rulemaking is necessary because without it the Prevention of Significant Deterioration and Title V requirements would apply, as of January 2, 2011, at the 100 or 250 tons per year levels provided under the CAA, greatly increasing the number of required permits, imposing undue costs on small sources, overwhelming the resources of permitting authorities, and severely impairing the functioning of the programs. EPA is relieving these resource burdens by phasing in the applicability of these programs to GHG sources, starting with the largest GHG emitters. This rule establishes two initial steps of the phase-in. The rule also commits the agency to take certain actions on future steps addressing smaller sources but excludes certain smaller sources from Prevention of Significant Deterioration and Title V permitting for GHG emissions until at least April 30, 2016.”

The EPA estimates that facilities responsible for nearly 70% of the national GHG emissions from stationary sources will be subject to permitting requirements under this rule. This includes the nation’s largest GHG emitters—power plants, refineries, and cement production facilities.

STANDARDS OF PERFORMANCE FOR GHG EMISSIONS FOR NEW STATIONARY SOURCES: ELECTRIC UTILITY GENERATING UNITS

As required by a settlement agreement, the EPA proposed new performance standards for emissions of CO₂ for new, affected, fossil fuel-fired electric utility generating units on March 27, 2012. New sources greater than 25 megawatts (MW) would be required to meet an output-based standard of 1,000 pounds (lbs) of CO₂ per MW-hour (MWh), based on the performance of widely used natural gas combined cycle technology. It should be noted that on February 9, 2016 the Supreme Court issued a stay of this regulation pending litigation. Additionally, the current EPA Administrator has also signed a measure to repeal the Clean Power Plan, including the CO₂ standards. The Clean Power Plan was officially repealed on June 19, 2019, when the EPA issued the final Affordable Clean Energy rule (ACE). Under ACE, new state emission guidelines were established that provided existing coal-fired electric utility generating units with achievable standards.

CAP-AND-TRADE

Cap-and-trade refers to a policy tool where emissions are limited to a certain amount and can be traded or provides flexibility on how the emitter can comply. Successful examples in the U.S. include the Acid Rain Program and the N₂O Budget Trading Program and Clean Air Interstate Rule in the northeast. There is no federal GHG cap-and-trade program currently; however, some states have joined to create initiatives to provide a mechanism for cap-and-trade.

The Regional GHG Initiative is an effort to reduce GHGs among the states of Connecticut, Delaware, Maine, Maryland, Massachusetts, New Hampshire, New York, Rhode Island, and Vermont. Each state caps CO₂ emissions from power plants, auctions CO₂ emission allowances, and invests the proceeds in strategic energy programs that further reduce emissions, save consumers money, create jobs, and build a clean energy economy. The Initiative began in 2008 and in 2020 has retained all participating states.

The Western Climate Initiative (WCI) partner jurisdictions have developed a comprehensive initiative to reduce regional GHG emissions to 15% below 2005 levels by 2020. The partners were originally California, British Columbia, Manitoba, Ontario, and Quebec. However, Manitoba and Ontario are not currently participating. California linked with Quebec's cap-and-trade system January 1, 2014, and joint offset auctions took place in 2015. While the WCI has yet to publish whether it has successfully reached the 2020 emissions goal initiative set in 2007, SB 32, requires that California, a major partner in the WCI, adopt the goal of reducing statewide GHG emissions to 40% below the 1990 level by 2030.

SMARTWAY PROGRAM

The SmartWay Program is a public-private initiative between the EPA, large and small trucking companies, rail carriers, logistics companies, commercial manufacturers, retailers, and other federal and state agencies. Its purpose is to improve fuel efficiency and the environmental performance (reduction of both GHG emissions and air pollution) of the goods movement supply chains. SmartWay is comprised of four components (33):

1. SmartWay Transport Partnership: A partnership in which freight carriers and shippers commit to benchmark operations, track fuel consumption, and improve performance annually.
2. SmartWay Technology Program: A testing, verification, and designation program to help freight companies identify equipment, technologies, and strategies that save fuel and lower emissions.
3. SmartWay Vehicles: A program that ranks light-duty cars and small trucks and identifies superior environmental performers with the SmartWay logo.
4. SmartWay International Interests: Guidance and resources for countries seeking to develop freight sustainability programs modeled after SmartWay.

SmartWay effectively refers to requirements geared towards reducing fuel consumption. Most large trucking fleets driving newer vehicles are compliant with SmartWay design requirements. Moreover, over time, all HDTs will have to comply with CARB GHG Regulation that is designed with the SmartWay Program in mind, to reduce GHG emissions by making them more fuel-efficient. For instance, in 2015, 53 foot or longer dry vans or refrigerated trailers equipped with a combination of SmartWay-verified low-rolling resistance tires and SmartWay-verified aerodynamic devices would obtain a total of 10% or more fuel savings over traditional trailers.

Through the SmartWay Technology Program, the EPA has evaluated the fuel saving benefits of various devices through grants, cooperative agreements, emissions and fuel economy testing, demonstration projects and technical literature review. As a result, the EPA has determined the following types of technologies provide fuel saving and/or emission reducing benefits when used properly in their designed applications, and has verified certain products:

- Idle reduction technologies – less idling of the engine when it is not needed would reduce fuel consumption.
- Aerodynamic technologies minimize drag and improve airflow over the entire tractor-trailer vehicle. Aerodynamic technologies include gap fairings that reduce turbulence between the tractor and trailer, side skirts that minimize wind under the trailer, and rear fairings that reduce turbulence and pressure drop at the rear of the trailer.
- Low rolling resistance tires can roll longer without slowing down, thereby reducing the amount of fuel used. Rolling resistance (or rolling friction or rolling drag) is the force resisting the motion when a tire rolls on a surface. The wheel will eventually slow down because of this resistance.
- Retrofit technologies include things such as diesel particulate filters, emissions upgrades (to a higher tier), etc., which would reduce emissions.
- Federal excise tax exemptions.

2.7.3 CALIFORNIA

2.7.3.1 LEGISLATIVE ACTIONS TO REDUCE GHGS

The State of California legislature has enacted a series of bills that constitute the most aggressive program to reduce GHGs of any state in the nation. Some legislation such as the landmark AB 32 was specifically enacted to address GHG emissions. Other legislation such as Title 24 and Title 20 energy standards were originally adopted for other purposes such as energy and water

conservation, but also provide GHG reductions. This section describes the major provisions of the legislation.

EXECUTIVE ORDER S-3-05

Former California Governor Arnold Schwarzenegger announced on June 1, 2005, through Executive Order S-3-05, the following reduction targets for GHG emissions:

- By 2010, reduce GHG emissions to 2000 levels.
- By 2020, reduce GHG emissions to 1990 levels.
- By 2050, reduce GHG emissions to 80% below 1990 levels.

The 2050 reduction goal represents what some scientists believe is necessary to reach levels that will stabilize the climate. The 2020 goal was established to be a mid-term target. Because this is an executive order, the goals are not legally enforceable for local governments or the private sector.

AB 32

The California State Legislature enacted AB 32, which requires that GHGs emitted in California be reduced to 1990 levels by the year 2020. “GHGs” as defined under AB 32 include CO₂, CH₄, N₂O, HFCs, PFCs, and SF₆. Since AB 32 was enacted, a seventh chemical, nitrogen trifluoride, has also been added to the list of GHGs. CARB is the state agency charged with monitoring and regulating sources of GHGs. Pursuant to AB 32, CARB adopted regulations to achieve the maximum technologically feasible and cost-effective GHG emission reductions. AB 32 states the following:

“Global warming poses a serious threat to the economic well-being, public health, natural resources, and the environment of California. The potential adverse impacts of global warming include the exacerbation of air quality problems, a reduction in the quality and supply of water to the state from the Sierra snowpack, a rise in sea levels resulting in the displacement of thousands of coastal businesses and residences, damage to marine ecosystems and the natural environment, and an increase in the incidences of infectious diseases, asthma, and other human health-related problems.”

CARB approved the 1990 GHG emissions level of 427 MMTCO₂e on December 6, 2007 (34). Therefore, emissions generated in California in 2020 are required to be equal to or less than 427 MMTCO₂e. Emissions in 2020 in a “business as usual” (BAU) scenario were estimated to be 596 MMTCO₂e, which do not account for reductions from AB 32 regulations (35). At that level, a 28.4% reduction was required to achieve the 427 MMTCO₂e 1990 inventory. In October 2010, CARB prepared an updated BAU 2020 forecast to account for the recession and slower forecasted growth. The forecasted inventory without the benefits of adopted regulation is now estimated at 545 MMTCO₂e. Therefore, under the updated forecast, a 21.7% reduction from BAU is required to achieve 1990 levels (36).

PROGRESS IN ACHIEVING AB 32 TARGETS AND REMAINING REDUCTIONS REQUIRED

The State has made steady progress in implementing AB 32 and achieving targets included in Executive Order S-3-05. The progress is shown in updated emission inventories prepared by CARB for 2000 through 2012 (37). The State has achieved the Executive Order S-3-05 target for 2010 of reducing GHG emissions to 2000 levels. As shown below, the 2010 emission inventory achieved this target.

- 1990: 427 MMTCO₂e (AB 32 2020 target)
- 2000: 463 MMTCO₂e (an average 8% reduction needed to achieve 1990 base)
- 2010: 450 MMTCO₂e (an average 5% reduction needed to achieve 1990 base)

CARB has also made substantial progress in achieving its goal of achieving 1990 emissions levels by 2020. As described earlier in this section, CARB revised the 2020 BAU inventory forecast to account for new lower growth projections, which resulted in a new lower reduction from BAU to achieve the 1990 base. The previous reduction from 2020 BAU needed to achieve 1990 levels was 28.4% and the latest reduction from 2020 BAU is 21.7%.

- 2020: 545 MMTCO₂e BAU (an average 21.7% reduction from BAU needed to achieve 1990 base)

SB 375 – THE SUSTAINABLE COMMUNITIES AND CLIMATE PROTECTION ACT OF 2008

Passing the Senate on August 30, 2008, Senate Bill (SB) 375 was signed by the Governor on September 30, 2008. According to SB 375, the transportation sector is the largest contributor of GHG emissions, which emits over 40% of the total GHG emissions in California. SB 375 states, “Without improved land use and transportation policy, California will not be able to achieve the goals of AB 32.” SB 375 does the following: it (1) requires metropolitan planning organizations to include sustainable community strategies in their regional transportation plans for reducing GHG emissions, (2) aligns planning for transportation and housing, and (3) creates specified incentives for the implementation of the strategies.

SB 375 also requires Metropolitan Planning Organizations (MPOs) to prepare a Sustainable Communities Strategy (SCS) within the Regional Transportation Plan (RTP) that guides growth while taking into account the transportation, housing, environmental, and economic needs of the region. SB 375 uses CEQA streamlining as an incentive to encourage residential projects, which help achieve AB 32 goals to reduce GHG emissions. Although SB 375 does not prevent CARB from adopting additional regulations, such actions are not anticipated in the foreseeable future.

Concerning CEQA, SB 375, as codified in Public Resources Code Section 21159.28, states that CEQA findings for certain projects are not required to reference, describe, or discuss (1) growth inducing impacts, or (2) any project-specific or cumulative impacts from cars and light-duty truck trips generated by the project on global warming or the regional transportation network, if the project:

1. Is in an area with an approved sustainable communities strategy or an alternative planning strategy that CARB accepts as achieving the GHG emission reduction targets.
2. Is consistent with that strategy (in designation, density, building intensity, and applicable policies).

3. Incorporates the mitigation measures required by an applicable prior environmental document.

AB 1493

California AB 1493, enacted on July 22, 2002, required CARB to develop and adopt regulations that reduce GHGs emitted by passenger vehicles and light duty trucks. Implementation of the regulation was delayed by lawsuits filed by automakers and by the EPA's denial of an implementation waiver. The EPA subsequently granted the requested waiver in 2009, which was upheld by the U.S. District Court for the District of Columbia in 2011.

The second phase of the implementation for the Pavley bill is currently in effect and was incorporated into Amendments to the Low-Emission Vehicle Program (LEV III) or the Advanced Clean Cars program. The Advanced Clean Car program combines the control of smog-causing pollutants and GHG emissions into a single coordinated package of requirements for model years 2017 through 2025. The regulation will reduce GHGs from new cars by 34% from 2016 levels by 2025. The new rules will clean up gasoline and diesel-powered cars, and deliver increasing numbers of zero-emission technologies, such as full battery electric cars, newly emerging plug-in hybrid electric vehicles (EV) and hydrogen fuel cell cars. The package will also ensure adequate fueling infrastructure is available for the increasing numbers of hydrogen fuel cell vehicles planned for deployment in California.

SB 350— CLEAN ENERGY AND POLLUTION REDUCTION ACT OF 2015

In October 2015, the legislature approved, and the Governor signed, SB 350, which reaffirms California's commitment to reducing its GHG emissions and addressing climate change. Key provisions include an increase in the RPS, higher energy efficiency requirements for buildings, initial strategies towards a regional electricity grid, and improved infrastructure for EV charging stations. Provisions for a 50% reduction in the use of petroleum statewide were removed from the Bill because of opposition and concern that it would prevent the Bill's passage. Specifically, SB 350 requires the following to reduce statewide GHG emissions:

- Increase the amount of electricity procured from renewable energy sources from 33% to 50% by 2030, with interim targets of 40% by 2024, and 25% by 2027.
- Double the energy efficiency in existing buildings by 2030. This target will be achieved through the California Public Utility Commission (CPUC), the California Energy Commission (CEC), and local publicly owned utilities.
- Reorganize the Independent System Operator to develop more regional electrify transmission markets and to improve accessibility in these markets, which will facilitate the growth of renewable energy markets in the western United States.

SB 32

On September 8, 2016, Governor Jerry Brown signed the Senate Bill (SB) 32 and its companion bill, AB 197. SB 32 requires the state to reduce statewide GHG emissions to 40% below 1990 levels by 2030, a reduction target that was first introduced in Executive Order B-30-15. The new legislation builds upon the AB 32 goal of 1990 levels by 2020 and provides an intermediate goal to achieving S-3-05, which sets a statewide GHG reduction target of 80% below 1990 levels by

2050. AB 197 creates a legislative committee to oversee regulators to ensure that CARB not only responds to the Governor, but also the Legislature (12).

CARB SCOPING PLAN

CARB's Climate Change Scoping Plan (Scoping Plan) contains measures designed to reduce the State's emissions to 1990 levels by the year 2020 to comply with AB 32 (35). The Scoping Plan identifies recommended measures for multiple GHG emission sectors and the associated emission reductions needed to achieve the year 2020 emissions target—each sector has a different emission reduction target. Most of the measures target the transportation and electricity sectors. As stated in the Scoping Plan, the key elements of the strategy for achieving the 2020 GHG target include:

- Expanding and strengthening existing energy efficiency programs as well as building and appliance standards;
- Achieving a statewide renewables energy mix of 33%;
- Developing a California cap-and-trade program that links with other Western Climate Initiative partner programs to create a regional market system;
- Establishing targets for transportation related GHG emissions for regions throughout California and pursuing policies and incentives to achieve those targets;
- Adopting and implementing measures pursuant to existing State laws and policies, including California's clean car standards, goods movement measures, and the LCFS; and
- Creating targeted fees, including a public goods charge on water use, fees on high GWP gases, and a fee to fund the administrative costs of the State's long-term commitment to AB 32 implementation.

CARB approved the First Scoping Plan Update on May 22, 2014. The First Scoping Plan Update identifies the next steps for California's climate change strategy. The First Scoping Plan Update shows how California continues on its path to meet the near-term 2020 GHG limit, but also sets a path toward long-term, deep GHG emission reductions. The report establishes a broad framework for continued emission reductions beyond 2020, on the path to 80% below 1990 levels by 2050. The First Scoping Plan Update identifies progress made to meet the near-term objectives of AB 32 and defines California's climate change priorities and activities for the next several years. The First Scoping Plan Update does not set new targets for the State but describes a path that would achieve the long term 2050 goal of Executive Order S-3-05 for emissions to decline to 80% below 1990 levels by 2050 (37).

Forecasting the amount of emissions that would occur in 2020 if no actions are taken was necessary to assess the amount of reductions California must achieve to return to the 1990 emissions level by 2020 as required by AB 32. The no-action scenario is known as "business-as-usual" or BAU. CARB originally defined the BAU scenario as emissions in the absence of any GHG emission reduction measures discussed in the Scoping Plan.

As part of CEQA compliance for the Scoping Plan, CARB prepared a Supplemental Functional Equivalent Document (FED) in 2011. The FED included an updated 2020 BAU emissions inventory projection based on current economic forecasts (i.e., as influenced by the economic downturn)

and emission reduction measures already in place, replacing its prior 2020 BAU emissions inventory. CARB staff derived the updated emissions estimates by projecting emissions growth, by sector, from the state's average emissions from 2006–2008. The new BAU estimate includes emission reductions for the million-solar-roofs program, the AB 1493 motor vehicle GHG emission standards, and the LCFS. In addition, CARB factored into the 2020 BAU inventory emissions reductions associated with 33% RPS for electricity generation. The updated BAU estimate of 507 MMTCO₂e by 2020 requires a reduction of 80 MMTCO₂e, or a 16% reduction below the estimated BAU levels to return to 1990 levels (i.e., 427 MMTCO₂e) by 2020.

In order to provide a BAU reduction that is consistent with the original definition in the Scoping Plan and with threshold definitions used in thresholds adopted by lead agencies for CEQA purposes and many climate action plans (CAPs), the updated inventory without regulations was also included in the Supplemental FED. CARB 2020 BAU projection for GHG emissions in California was originally estimated to be 596 MMTCO₂e. The updated CARB 2020 BAU projection in the Supplemental FED is 545 MMTCO₂e. Considering the updated BAU estimate of 545 MMTCO₂e by 2020, CARB estimates a 21.7% reduction below the estimated statewide BAU levels is necessary to return to 1990 emission levels (i.e., 427 MMTCO₂e) by 2020, instead of the approximate 28.4% BAU reduction previously reported under the original Climate Change Scoping Plan (35).

2017 CLIMATE CHANGE SCOPING PLAN UPDATE

In compliance with AB 32 and the 2008 Scoping Plan, the target year 2020 has been fulfilled and will look onward to the 2017 Scoping Plan that should be in compliance by 2030.

In November 2017, CARB released the 2017 Scoping Plan Update, which identifies the State's post-2020 reduction strategy. The 2017 Scoping Plan Update reflects the 2030 target of a 40% reduction below 1990 levels, set by Executive Order B-30-15 and codified by SB 32. Key programs that the proposed Second Update builds upon include the Cap-and-Trade Regulation, the LCFS, and much cleaner cars, trucks, and freight movement, utilizing cleaner, renewable energy, and strategies to reduce CH₄ emissions from agricultural and other wastes.

The 2017 Scoping Plan Update establishes a new emissions limit of 260 MMTCO₂e for the year 2030, which corresponds to a 40% decrease in 1990 levels by 2030.

California's climate strategy will require contributions from all sectors of the economy, including the land base, and will include enhanced focus on zero- and near-zero-emission (ZE/NZE) vehicle technologies; continued investment in renewables, including solar roofs, wind, and other distributed generation; greater use of low carbon fuels; integrated land conservation and development strategies; coordinated efforts to reduce emissions of short-lived climate pollutants (CH₄, black carbon, and fluorinated gases); and an increased focus on integrated land use planning to support livable, transit-connected communities and conservation of agricultural and other lands. Requirements for direct GHG reductions at refineries will further support air quality co-benefits in neighborhoods, including in disadvantaged communities historically located adjacent to these large stationary sources, as well as efforts with California's local air pollution

control and air quality management districts (air districts) to tighten emission limits on a broad spectrum of industrial sources. Major elements of the 2017 Scoping Plan framework include:

- Implementing and/or increasing the standards of the Mobile Source Strategy, which include increasing ZEV buses and trucks.
- LCFS, with an increased stringency (18% by 2030).
- Implementing SB 350, which expands the RPS to 50% RPS and doubles energy efficiency savings by 2030.
- California Sustainable Freight Action Plan, which improves freight system efficiency, utilizes near-zero emissions technology, and deployment of zero-emission vehicles (ZEV) trucks.
- Implementing the proposed Short-Lived Climate Pollutant Strategy (SLPS), which focuses on reducing CH₄ and hydrofluorocarbon emissions by 40% and anthropogenic black carbon emissions by 50% by year 2030.
- Continued implementation of SB 375.
- Post-2020 Cap-and-Trade Program that includes declining caps.
- 20% reduction in GHG emissions from refineries by 2030.
- Development of a Natural and Working Lands Action Plan to secure California's land base as a net carbon sink.

Note, however, that the 2017 Scoping Plan acknowledges that:

"[a]chieving net zero increases in GHG emissions, resulting in no contribution to GHG impacts, may not be feasible or appropriate for every project, however, and the inability of a project to mitigate its GHG emissions to net zero does not imply the project results in a substantial contribution to the cumulatively significant environmental impact of climate change under CEQA."

In addition to the statewide strategies listed above, the 2017 Scoping Plan Update also identifies local governments as essential partners in achieving the State's long-term GHG reduction goals and identifies local actions to reduce GHG emissions. As part of the recommended actions, CARB recommends that local governments achieve a community-wide goal to achieve emissions of no more than 6 metric tons of CO₂e (MTCO₂e) or less per capita by 2030 and 2 MTCO₂e or less per capita by 2050. For CEQA projects, CARB states that lead agencies may develop evidenced-based bright-line numeric thresholds—consistent with the Scoping Plan and the State's long-term GHG goals—and projects with emissions over that amount may be required to incorporate on-site design features and mitigation measures that avoid or minimize project emissions to the degree feasible; or a performance-based metric using a CAP or other plan to reduce GHG emissions is appropriate.

According to research conducted by the Lawrence Berkeley National Laboratory (LBNL) and supported by CARB, California, under its existing and proposed GHG reduction policies, is on track to meet the 2020 reduction targets under AB 32 and could achieve the 2030 goals under SB 32. The research utilized a new, validated model known as the California LBNL GHG Analysis of Policies Spreadsheet (CALGAPS), which simulates GHG and criteria pollutant emissions in California from 2010 to 2050 in accordance to existing and future GHG-reducing policies. The

CALGAPS model showed that GHG emissions through 2020 could range from 317 to 415 MTCO₂e per year (MTCO₂e/yr), “indicating that existing state policies will likely allow California to meet its target [of 2020 levels under AB 32].” CALGAPS also showed that by 2030, emissions could range from 211 to 428 MTCO₂e/yr, indicating that “even if all modeled policies are not implemented, reductions could be sufficient to reduce emissions 40% below the 1990 level [of SB 32].” CALGAPS analyzed emissions through 2050 even though it did not generally account for policies that might be put in place after 2030. Although the research indicated that the emissions would not meet the State’s 80% reduction goal by 2050, various combinations of policies could allow California’s cumulative emissions to remain very low through 2050 (38) (39).

CAP-AND-TRADE PROGRAM

The Scoping Plan identifies a Cap-and-Trade Program as one of the key strategies for California to reduce GHG emissions. According to CARB, a cap-and-trade program will help put California on the path to meet its goal of reducing GHG emissions to 1990 levels by the year 2020 and ultimately achieving an 80% reduction from 1990 levels by 2050. Under cap-and-trade, an overall limit on GHG emissions from capped sectors is established, and facilities subject to the cap will be able to trade permits to emit GHGs within the overall limit.

CARB adopted a California Cap-and-Trade Program pursuant to its authority under AB 32. See Title 17 of the CCR §§ 95800 to 96023). The Cap-and-Trade Program is designed to reduce GHG emissions from major sources (deemed “covered entities”) by setting a firm cap on statewide GHG emissions and employing market mechanisms to achieve AB 32’s emission-reduction mandate of returning to 1990 levels of emissions by 2020. The statewide cap for GHG emissions from the capped sectors (e.g., electricity generation, petroleum refining, and cement production) commenced in 2013 and will decline over time, achieving GHG emission reductions throughout the program’s duration.

Covered entities that emit more than 25,000 MTCO₂e/yr must comply with the Cap-and-Trade Program. Triggering of the 25,000 MTCO₂e/yr “inclusion threshold” is measured against a subset of emissions reported and verified under the California Regulation for the Mandatory Reporting of GHG Emissions (Mandatory Reporting Rule or “MRR”).

Under the Cap-and-Trade Program, CARB issues allowances equal to the total amount of allowable emissions over a given compliance period and distributes these to regulated entities. Covered entities are allocated free allowances in whole or part (if eligible), and may buy allowances at auction, purchase allowances from others, or purchase offset credits. Each covered entity with a compliance obligation is required to surrender “compliance instruments” (30) for each MTCO₂e of GHG they emit. There also are requirements to surrender compliance instruments covering 30% of the prior year’s compliance obligation by November of each year. For example, in November 2014, a covered entity was required to submit compliance instruments to cover 30% of its 2013 GHG emissions.

The Cap-and-Trade Program provides a firm cap, ensuring that the 2020 statewide emission limit will not be exceeded. An inherent feature of the Cap-and-Trade program is that it does not guarantee GHG emissions reductions in any discrete location or by any particular source. Rather,

GHG emissions reductions are only guaranteed on an accumulative basis. As summarized by CARB in the First Update:

“The Cap-and-Trade Regulation gives companies the flexibility to trade allowances with others or take steps to cost-effectively reduce emissions at their own facilities. Companies that emit more have to turn in more allowances or other compliance instruments. Companies that can cut their GHG emissions have to turn in fewer allowances. But as the cap declines, aggregate emissions must be reduced. In other words, a covered entity theoretically could increase its GHG emissions every year and still comply with the Cap-and-Trade Program if there is a reduction in GHG emissions from other covered entities. Such a focus on aggregate GHG emissions is considered appropriate because climate change is a global phenomenon, and the effects of GHG emissions are considered cumulative (CARB 2014).”

The Cap-and-Trade Program works with other direct regulatory measures and provides an economic incentive to reduce emissions. If California’s direct regulatory measures reduce GHG emissions more than expected, then the Cap-and-Trade Program will be responsible for relatively fewer emissions reductions. If California’s direct regulatory measures reduce GHG emissions less than expected, then the Cap-and-Trade Program will be responsible for relatively more emissions reductions. Thus, the Cap-and-Trade Program assures that California will meet its 2020 GHG emissions reduction mandate:

“The Cap-and-Trade Program establishes an overall limit on GHG emissions from most of the California economy—the “capped sectors.” Within the capped sectors, some of the reductions are being accomplished through direct regulations, such as improved building and appliance efficiency standards, the [Low Carbon Fuel Standard] LCFS, and the 33% [Renewables Portfolio Standard] RPS. Whatever additional reductions are needed to bring emissions within the cap is accomplished through price incentives posed by emissions allowance prices. Together, direct regulation and price incentives assure that emissions are brought down cost-effectively to the level of the overall cap. The Cap-and-Trade Regulation provides assurance that California’s 2020 limit will be met because the regulation sets a firm limit on 85% of California’s GHG emissions. In sum, the Cap-and-Trade Program will achieve aggregate, rather than site specific or project-level, GHG emissions reductions. Also, due to the regulatory architecture adopted by CARB in AB 32, the reductions attributed to the Cap-and-Trade Program can change over time depending on the State’s emissions forecasts and the effectiveness of direct regulatory measures (37).”

As of January 1, 2015, the Cap-and-Trade Program covered approximately 85% of California’s GHG emissions. The Cap-and-Trade Program covers the GHG emissions associated with electricity consumed in California, whether generated in-state or imported. Accordingly, GHG emissions associated with CEQA projects’ electricity usage are covered by the Cap-and-Trade Program.

The Cap-and-Trade Program also covers fuel suppliers (natural gas and propane fuel providers and transportation fuel providers) to address emissions from such fuels and from combustion of other fossil fuels not directly covered at large sources in the Program’s first compliance period. While the Cap-and-Trade Program technically covered fuel suppliers as early as 2012, they did not have a compliance obligation (i.e., they were not fully regulated) until 2015. The Cap-and-Trade Program covers the GHG emissions associated with the combustion of transportation fuels in California, whether refined in-state or imported. The point of regulation for transportation fuels is when they are “supplied” (i.e., delivered into commerce). Accordingly, as with stationary source GHG emissions and GHG emissions attributable to electricity use, virtually all, if not all, of GHG emissions from CEQA projects associated with VMT are covered by the Cap-and-Trade Program (40). In addition, the Scoping Plan differentiates between “capped” and “uncapped” strategies. “Capped” strategies are subject to the proposed cap-and-trade program. The Scoping Plan states that the inclusion of these emissions within the Program will help ensure that the year 2020 emission targets are met despite some degree of uncertainty in the emission reduction estimates for any individual measure. Implementation of the capped strategies is calculated to achieve a sufficient amount of reductions by 2020 to achieve the emission target contained in AB 32. “Uncapped” strategies that will not be subject to the cap-and-trade emissions caps and requirements are provided as a margin of safety by accounting for additional GHG emission reductions.³

2.7.3.2 EXECUTIVE ORDERS RELATED TO GHG EMISSIONS

California’s Executive Branch has taken several actions to reduce GHGs through the use of Executive Orders. Although not regulatory, they set the tone for the state and guide the actions of state agencies.

EXECUTIVE ORDER S-13-08

Executive Order S-13-08 states that “climate change in California during the next century is expected to shift precipitation patterns, accelerate sea level rise and increase temperatures, thereby posing a serious threat to California’s economy, to the health and welfare of its population and to its natural resources.” Pursuant to the requirements in the Order, the 2009 California Climate Adaptation Strategy (CNRA 2009) was adopted, which is the “...first statewide, multi-sector, region-specific, and information-based climate change adaptation strategy in the United States.” Objectives include analyzing risks of climate change in California, identifying and exploring strategies to adapt to climate change, and specifying a direction for future research.

³ On March 17, 2011, the San Francisco Superior Court issued a final decision in *Association of Irrigated Residents v. California Air Resources Board* (Case No. CPF-09-509562). While the Court upheld the validity of CARB Scoping Plan for the implementation of AB 32, the Court enjoined CARB from further rulemaking under AB 32 until CARB amends its CEQA environmental review of the Scoping Plan to address the flaws identified by the Court. On May 23, 2011, CARB filed an appeal. On June 24, 2011, the Court of Appeal granted CARB’s petition staying the trial court’s order pending consideration of the appeal. In the interest of informed decision-making, on June 13, 2011, CARB released the expanded alternatives analysis in a draft Supplement to the AB 32 Scoping Plan Functional Equivalent Document. CARB Board approved the Scoping Plan and the CEQA document on August 24, 2011.

EXECUTIVE ORDER B-30-15

On April 29, 2015, Governor Edmund G. Brown Jr. issued an executive order to establish a California GHG reduction target of 40% below 1990 levels by 2030. The Governor's executive order aligns California's GHG reduction targets with those of leading international governments ahead of the United Nations Climate Change Conference in Paris late 2015. The Order sets a new interim statewide GHG emission reduction target to reduce GHG emissions to 40% below 1990 levels by 2030 in order to ensure California meets its target of reducing GHG emissions to 80% below 1990 levels by 2050 and directs CARB to update the Climate Change Scoping Plan to express the 2030 target in terms of MMTCO₂e. The Order also requires the state's climate adaptation plan to be updated every three years, and for the State to continue its climate change research program, among other provisions. As with Executive Order S-3-05, this Order is not legally enforceable for local governments and the private sector. Legislation that would update AB 32 to make post 2020 targets and requirements a mandate is in process in the State Legislature.

EXECUTIVE ORDER S-01-07 – LCFS

The Governor signed Executive Order S-01-07 on January 18, 2007. The order mandates that a statewide goal shall be established to reduce the carbon intensity of California's transportation fuels by at least 10% by 2020. In particular, the Executive Order established a LCFS and directed the Secretary for Environmental Protection to coordinate the actions of the CEC, CARB, the University of California, and other agencies to develop and propose protocols for measuring the "life-cycle carbon intensity" of transportation fuels. This analysis supporting development of the protocols was included in the State Implementation Plan for alternative fuels (State Alternative Fuels Plan adopted by CEC on December 24, 2007) and was submitted to CARB for consideration as an "early action" item under AB 32. CARB adopted the LCFS on April 23, 2009.

The Board approved the LCFS regulation in 2009 and began implementation on January 1, 2011. CARB approved some amendments to the LCFS in December 2011, which were implemented on January 1, 2013. In September 2015, the Board approved the re-adoption of the LCFS, which became effective on January 1, 2016, to address procedural deficiencies in the way the original regulation was adopted. In 2018, the Board approved amendments to the regulation, which included strengthening and smoothing the carbon intensity benchmarks through 2030 in-line with California's 2030 GHG emission reduction target enacted through SB 32, adding new crediting opportunities to promote zero emission vehicle adoption, alternative jet fuel, carbon capture and sequestration, and advanced technologies to achieve deep decarbonization in the transportation sector.

EXECUTIVE ORDER B-55-18 AND SB 100

Executive Order B-55-18 and SB 100. SB 100 and Executive Order B-55-18 were signed by Governor Brown on September 10, 2018. Under the existing RPS, 25% of retail sales are required to be from renewable sources by December 31, 2016, 33% by December 31, 2020, 40% by December 31, 2024, 45% by December 31, 2027, and 50% by December 31, 2030. SB 100 raises California's RPS requirement to 50% renewable resources target by December 31, 2026, and to

achieve a 60% target by December 31, 2030. SB 100 also requires that retail sellers and local publicly owned electric utilities procure a minimum quantity of electricity products from eligible renewable energy resources so that the total kilowatt hours of those products sold to their retail end-use customers achieve 44% of retail sales by December 31, 2024, 52% by December 31, 2027, and 60% by December 31, 2030. In addition to targets under AB 32 and SB 32, Executive Order B-55-18 establishes a carbon neutrality goal for the state of California by 2045; and sets a goal to maintain net negative emissions thereafter. The Executive Order directs the California Natural Resources Agency (CNRA), California Environmental Protection Agency (CalEPA), the Department of Food and Agriculture (CDFA), and CARB to include sequestration targets in the Natural and Working Lands Climate Change Implementation Plan consistent with the carbon neutrality goal.

2.7.3.3 CALIFORNIA REGULATIONS AND BUILDING CODES

California has a long history of adopting regulations to improve energy efficiency in new and remodeled buildings. These regulations have kept California's energy consumption relatively flat even with rapid population growth.

TITLE 20 CCR

CCR, Title 20: Division 2, Chapter 4, Article 4, Sections 1601-1608: Appliance Efficiency Regulations regulates the sale of appliances in California. The Appliance Efficiency Regulations include standards for both federally regulated appliances and non-federally regulated appliances. Twenty-three categories of appliances are included in the scope of these regulations. The standards within these regulations apply to appliances that are sold or offered for sale in California, except those sold wholesale in California for final retail sale outside the state and those designed and sold exclusively for use in recreational vehicles or other mobile equipment (CEC 2012).

TITLE 24 CCR

CCR Title 24 Part 6: The California Energy Code was first adopted in 1978 in response to a legislative mandate to reduce California's energy consumption.

The standards are updated periodically to allow consideration and possible incorporation of new energy efficient technologies and methods. CCR, Title 24, Part 11: California Green Building Standards Code (CALGreen) is a comprehensive and uniform regulatory code for all residential, commercial, and school buildings that went in effect on January 1, 2009, and is administered by the California Building Standards Commission.

CALGreen is updated on a regular basis, with the most recent approved update consisting of the 2019 California Green Building Code Standards that became effective January 1, 2020.

Local jurisdictions are permitted to adopt more stringent requirements, as state law provides methods for local enhancements. CALGreen recognizes that many jurisdictions have developed existing construction waste and demolition ordinances and defers to them as the ruling guidance provided they establish a minimum 65% diversion requirement.

The code also provides exemptions for areas not served by construction waste and demolition recycling infrastructure. The State Building Code provides the minimum standard that buildings must meet in order to be certified for occupancy, which is generally enforced by the local building official.

Energy efficient buildings require less electricity; therefore, increased energy efficiency reduces fossil fuel consumption and decreases GHG emissions. The 2019 version of Title 24 was adopted by the California Energy Commission (CEC) and became effective on January 1, 2020.

The 2019 Title 24 standards will result in less energy use, thereby reducing GHG emissions associated with energy consumption in the South Coast Air Basin (SCAB) and across the State of California. For example, the 2019 Title 24 standards will require solar photovoltaic systems for new homes, establish requirements for newly constructed healthcare facilities, encourage demand responsive technologies for residential buildings, and update indoor and outdoor lighting requirements for nonresidential buildings.

The CEC anticipates that single-family homes built with the 2019 standards will use approximately 7% less energy compared to the residential homes built under the 2016 standards. Additionally, after implementation of solar photovoltaic systems, homes built under the 2019 standards will use about 53% less energy than homes built under the 2016 standards. Nonresidential buildings (such as the Project) will use approximately 30% less energy due to lighting upgrade requirements (41).

Because the Project will be constructed after January 1, 2019, the 2019 CALGreen standards are applicable to the Project and require, among other items (20):

- Short-term bicycle parking. If the new project or an additional alteration is anticipated to generate visitor traffic, provide permanently anchored bicycle racks within 200 feet of the visitors' entrance, readily visible to passers-by, for 5% of new visitor motorized vehicle parking spaces being added, with a minimum of one two-bike capacity rack (5.106.4.1.1).
- Long-term bicycle parking. For new buildings with tenant spaces that have 10 or more tenant-occupants, provide secure bicycle parking for 5% of the tenant-occupant vehicular parking spaces with a minimum of one bicycle parking facility (5.106.4.1.2).
- Designated parking for clean air vehicles. In new projects or additions to alterations that add 10 or more vehicular parking spaces, provide designated parking for any combination of low-emitting, fuel-efficient and carpool/van pool vehicles as shown in Table 5.106.5.2 (5.106.5.2).
- EV charging stations. New construction shall facilitate the future installation of EV supply equipment. The compliance requires empty raceways for future conduit and documentation that the electrical system has adequate capacity for the future load. The number of spaces to be provided for is contained in Table 5.106.5.3.3 (5.106.5.3).
- Outdoor light pollution reduction. Outdoor lighting systems shall be designed to meet the backlight, uplight and glare ratings per Table 5.106.8 (5.106.8)

- Construction waste management. Recycle and/or salvage for reuse a minimum of 65% of the nonhazardous construction and demolition waste in accordance with Section 5.408.1.1, 5.405.1.2, or 5.408.1.3; or meet a local construction and demolition waste management ordinance, whichever is more stringent (5.408.1).
- Excavated soil and land clearing debris. 100% of trees, stumps, rocks and associated vegetation and soils resulting primarily from land clearing shall be reused or recycled. For a phased project, such material may be stockpiled on site until the storage site is developed (5.408.3).
- Recycling by Occupants. Provide readily accessible areas that serve the entire building and are identified for the depositing, storage, and collection of non-hazardous materials for recycling, including (at a minimum) paper, corrugated cardboard, glass, plastics, organic waste, and metals or meet a lawfully enacted local recycling ordinance, if more restrictive (5.410.1).
- Water conserving plumbing fixtures and fittings. Plumbing fixtures (water closets and urinals) and fittings (faucets and showerheads) shall comply with the following:
 - Water Closets. The effective flush volume of all water closets shall not exceed 1.28 gallons per flush (5.303.3.1)
 - Urinals. The effective flush volume of wall-mounted urinals shall not exceed 0.125 gallons per flush (5.303.3.2.1). The effective flush volume of floor-mounted or other urinals shall not exceed 0.5 gallons per flush (5.303.3.2.2).
 - Showerheads. Single showerheads shall have a minimum flow rate of not more than 1.8 gallons per minute and 80 psi (5.303.3.3.1). When a shower is served by more than one showerhead, the combine flow rate of all showerheads and/or other shower outlets controlled by a single valve shall not exceed 1.8 gallons per minute at 80 psi (5.303.3.3.2).
 - Faucets and fountains. Nonresidential lavatory faucets shall have a maximum flow rate of not more than 0.5 gallons per minute at 60 psi (5.303.3.4.1). Kitchen faucets shall have a maximum flow rate of not more than 1.8 gallons per minute of 60 psi (5.303.3.4.2). Wash fountains shall have a maximum flow rate of not more than 1.8 gallons per minute (5.303.3.4.3). Metering faucets shall not deliver more than 0.20 gallons per cycle (5.303.3.4.4). Metering faucets for wash fountains shall have a maximum flow rate not more than 0.20 gallons per cycle (5.303.3.4.5).
- Outdoor potable water use in landscaped areas. Nonresidential developments shall comply with a local water efficient landscape ordinance or the current California Department of Water Resources' Model Water Efficient (MWELO), whichever is more stringent (5.304.1).
- Water meters. Separate submeters or metering devices shall be installed for new buildings or additions in excess of 50,000 sf or for excess consumption where any tenant within a new building or within an addition that is project to consume more than 1,000 gallons per day (5.303.1.1 and 5.303.1.2).
- Outdoor water use in rehabilitated landscape projects equal or greater than 2,500 sf. Rehabilitated landscape projects with an aggregate landscape area equal to or greater than 2,500 sf requiring a building or landscape permit (5.304.3).

- Commissioning. For new buildings 10,000 sf and over, building commissioning shall be included in the design and construction processes of the building project to verify that the building systems and components meet the owner's or owner representative's project requirements (5.410.2).

MWELO

The MWELO was required by AB 1881, the Water Conservation Act. The bill required local agencies to adopt a local landscape ordinance at least as effective in conserving water as the Model Ordinance by January 1, 2010. Reductions in water use of 20% consistent with (SBX-7-7) 2020 mandate are expected upon compliance with the ordinance. Governor Brown's Drought Executive Order of April 1, 2015 (Executive Order B-29-15) directed Department of Water Resources (DWR) to update the Ordinance through expedited regulation. The California Water Commission approved the revised Ordinance on July 15, 2015 effective December 15, 2015. New development projects that include landscape areas of 500 sf or more are subject to the Ordinance. The update requires:

- More efficient irrigation systems;
- Incentives for graywater usage;
- Improvements in on-site stormwater capture;
- Limiting the portion of landscapes that can be planted with high water use plants; and
- Reporting requirements for local agencies.

CARB REFRIGERANT MANAGEMENT PROGRAM

CARB adopted a regulation in 2009 to reduce refrigerant GHG emissions from stationary sources through refrigerant leak detection and monitoring, leak repair, system retirement and retrofitting, reporting and recordkeeping, and proper refrigerant cylinder use, sale, and disposal. The regulation is set forth in sections 95380 to 95398 of Title 17, CCR. The rules implementing the regulation establish a limit on statewide GHG emissions from stationary facilities with refrigeration systems with more than 50 pounds of a high GWP refrigerant. The refrigerant management program is designed to (1) reduce emissions of high-GWP GHG refrigerants from leaky stationary, non-residential refrigeration equipment; (2) reduce emissions from the installation and servicing of refrigeration and air-conditioning appliances using high-GWP refrigerants; and (3) verify GHG emission reductions.

TRACTOR-TRAILER GHG REGULATION

The tractors and trailers subject to this regulation must either use EPA SmartWay certified tractors and trailers or retrofit their existing fleet with SmartWay verified technologies. The regulation applies primarily to owners of 53-foot or longer box-type trailers, including both dry-van and refrigerated-van trailers, and owners of the heavy-duty tractors that pull them on California highways. These owners are responsible for replacing or retrofitting their affected vehicles with compliant aerodynamic technologies and low rolling resistance tires. Sleeper cab tractors model year 2011 and later must be SmartWay certified. All other tractors must use

SmartWay verified low rolling resistance tires. There are also requirements for trailers to have low rolling resistance tires and aerodynamic devices.

PHASE 1 AND 2 HEAVY-DUTY VEHICLE GHG STANDARDS

CARB has adopted a new regulation for GHG emissions from HDTs and engines sold in California. It establishes GHG emission limits on truck and engine manufacturers and harmonizes with the EPA rule for new trucks and engines nationally. Existing heavy-duty vehicle regulations in California include engine criteria emission standards, tractor-trailer GHG requirements to implement SmartWay strategies (i.e., the Heavy-Duty Tractor-Trailer GHG Regulation), and in-use fleet retrofit requirements such as the Truck and Bus Regulation. In September 2011, the EPA adopted their new rule for HDTs and engines. The EPA rule has compliance requirements for new compression and spark ignition engines, as well as trucks from Class 2b through Class 8. Compliance requirements begin with model year 2014 with stringency levels increasing through model year 2018. The rule organizes truck compliance into three groupings, which include a) heavy-duty pickups and vans; b) vocational vehicles; and c) combination tractors. The EPA rule does not regulate trailers.

CARB staff has worked jointly with the EPA and the NHTSA on the next phase of federal GHG emission standards for medium-duty trucks (MDT) and HDT vehicles, called federal Phase 2. The federal Phase 2 standards were built on the improvements in engine and vehicle efficiency required by the Phase 1 emission standards and represent a significant opportunity to achieve further GHG reductions for 2018 and later model year HDT vehicles, including trailers. But as discussed above, the EPA and NHTSA have proposed to roll back GHG and fuel economy standards for cars and light-duty trucks, which suggests a similar rollback of Phase 2 standards for MDT and HDT vehicles may be pursued.

In February 2019, the OAL approved the Phase 2 Heavy-Duty Vehicle GHG Standards and became effective April 1, 2019. The Phase 2 GHG standards are needed to offset projected VMT growth and keep heavy-duty truck CO₂ emissions declining. The federal Phase 2 standards establish for the first time, federal emissions requirements for trailers hauled by heavy-duty tractors. The federal Phase 2 standards are more technology-forcing than the federal Phase 1 standards, requiring manufacturers to improve existing technologies or develop new technologies to meet the standards. The federal Phase 2 standards for tractors, vocational vehicles, and heavy-duty pick-up trucks and vans (PUVs) will be phased-in from 2021-2027, additionally for trailers, the standards are phased-in from 2018 (2020 in California) through 2027 (42).

SB 97 AND THE CEQA GUIDELINES UPDATE

Passed in August 2007, SB 97 added Section 21083.05 to the Public Resources Code. The code states “(a) On or before July 1, 2009, the Office of Planning and Research (OPR) shall prepare, develop, and transmit to the Resources Agency guidelines for the mitigation of GHG emissions or the effects of GHG emissions as required by this division, including, but not limited to, effects associated with transportation or energy consumption. (b) On or before January 1, 2010, the Resources Agency shall certify and adopt guidelines prepared and developed by the OPR pursuant to subdivision (a).” Section 21097 was also added to the Public Resources Code. It

provided CEQA protection until January 1, 2010 for transportation projects funded by the Highway Safety, Traffic Reduction, Air Quality, and Port Security Bond Act of 2006 or projects funded by the Disaster Preparedness and Flood Prevention Bond Act of 2006, in stating that the failure to analyze adequately the effects of GHGs would not violate CEQA.

On December 28, 2018, the Natural Resources Agency announced the OAL approved the amendments to the *CEQA Guidelines* for implementing the CEQA. The CEQA Amendments provide guidance to public agencies regarding the analysis and mitigation of the effects of GHG emissions in CEQA documents. The CEQA Amendments fit within the existing CEQA framework by amending existing *CEQA Guidelines* to reference climate change.

Section 15064.4 was amended to state that in determining the significance of a project's GHG emissions, the lead agency should focus its analysis on the reasonably foreseeable incremental contribution of the project's emissions to the effects of climate change. A project's incremental contribution may be cumulatively considerable even if it appears relatively small compared to statewide, national, or global emissions. The agency's analysis should consider a timeframe that is appropriate for the project. The agency's analysis also must reasonably reflect evolving scientific knowledge and state regulatory schemes. Additionally, a lead agency may use a model or methodology to estimate GHG emissions resulting from a project. The lead agency has discretion to select the model or methodology it considers most appropriate to enable decision makers to intelligently take into account the project's incremental contribution to climate change. The lead agency must support its selection of a model or methodology with substantial evidence. The lead agency should explain the limitations of the particular model or methodology selected for use (43).

2.7.4 REGIONAL

The project is within the SCAB, which is under the jurisdiction of the SCAQMD.

SCAQMD

SCAQMD is the agency responsible for air quality planning and regulation in the SCAB. The SCAQMD addresses the impacts to climate change of projects subject to SCAQMD permit as a lead agency if they are the only agency having discretionary approval for the project and acts as a responsible agency when a land use agency must also approve discretionary permits for the project. The SCAQMD acts as an expert commenting agency for impacts to air quality. This expertise carries over to GHG emissions, so the agency helps local land use agencies through the development of models and emission thresholds that can be used to address GHG emissions.

In 2008, SCAQMD formed a Working Group to identify GHG emissions thresholds for land use projects that could be used by local lead agencies in the SCAB. The Working Group developed several different options that are contained in the SCAQMD Draft Guidance Document – Interim CEQA GHG Significance Threshold, that could be applied by lead agencies. The working group has not provided additional guidance since release of the interim guidance in 2008. The SCAQMD Board has not approved the thresholds; however, the Guidance Document provides substantial evidence supporting the approaches to significance of GHG emissions that can be considered by

the lead agency in adopting its own threshold. The current interim thresholds consist of the following tiered approach:

- Tier 1 consists of evaluating whether or not the project qualifies for any applicable exemption under CEQA.
- Tier 2 consists of determining whether the project is consistent with a GHG reduction plan. If a project is consistent with a qualifying local GHG reduction plan, it does not have significant GHG emissions.
- Tier 3 consists of screening values, which the lead agency can choose, but must be consistent with all projects within its jurisdiction. A project's construction emissions are averaged over 30 years and are added to the project's operational emissions. If a project's emissions are below one of the following screening thresholds, then the project is less than significant:
 - Residential and commercial land use: 3,000 MTCO₂e/yr
 - Industrial land use: 10,000 MTCO₂e/yr
 - Based on land use type: residential: 3,500 MTCO₂e/yr; commercial: 1,400 MTCO₂e/yr; or mixed use: 3,000 MTCO₂e/yr
- Tier 4 has the following options:
 - Option 1: Reduce Business-as-Usual (BAU) emissions by a certain percentage; this percentage is currently undefined.
 - Option 2: Early implementation of applicable AB 32 Scoping Plan measures
 - Option 3: 2020 target for service populations (SP), which includes residents and employees: 4.8 MTCO₂e per SP per year for projects and 6.6 MTCO₂e per SP per year for plans;
 - Option 3, 2035 target: 3.0 MTCO₂e per SP per year for projects and 4.1 MTCO₂e per SP per year for plans
- Tier 5 involves mitigation offsets to achieve target significance threshold.

The SCAQMD's interim thresholds used the Executive Order S-3-05-year 2050 goal as the basis for the Tier 3 screening level. Achieving the Executive Order's objective would contribute to worldwide efforts to cap CO₂ concentrations at 450 ppm, thus stabilizing global climate.

SCAQMD only has authority over GHG emissions from development projects that include air quality permits. At this time, it is unknown if the project would include stationary sources of emissions subject to SCAQMD permits. Notwithstanding, if the Project requires a stationary permit, it would be subject to the applicable SCAQMD regulations.

SCAQMD Regulation XXVII, adopted in 2009 includes the following rules:

- Rule 2700 defines terms and post global warming potentials.
- Rule 2701, SoCal Climate Solutions Exchange, establishes a voluntary program to encourage, quantify, and certify voluntary, high quality certified GHG emission reductions in the SCAQMD.

- Rule 2702, GHG Reduction Program created a program to produce GHG emission reductions within the SCAQMD. The SCAQMD will fund projects through contracts in response to requests for proposals or purchase reductions from other parties.

CITY OF LONG BEACH SUSTAINABLE CITY ACTION PLAN (SCAP)

The City of Long Beach adopted SCAP in February 2010. The SCAP identifies a wide range of measures potentially applicable to discretionary development that include energy conservation, water use reduction, address global warming, improve pedestrian options, transportation management and solid waste recycling. Specific goals related to GHG include reducing electricity use in city operations by 25% and community operations by 15% by 2020 (44). Although project plans have not yet been developed to identify specific project features that would support reductions in electrical usage, adjustments were made to the CalEEMod modeling to represent that the project would comply with the 2019 Title 24. As such, the Project would help conserve energy and would be consistent with the goals and initiatives of AB 32 and the Sustainable City Action Plan, no significant impacts would result from the proposed project, and no mitigation is required.

CITY OF LONG BEACH CLIMATE ACTION AND ADAPTION PLAN (CAAP)

The City of Long Beach released its Proposed CAAP on December 10, 2020. The CAAP is intended to be utilized for purposes of GHG streamlining and to satisfy the requirements needed *under CEQA Guidelines Section 15183* to be considered a qualified GHG reduction plan. Overall, the CAAP provides a framework for the City to reduce community-wide GHG emissions and comply with state regulations (i.e., SB 32), and to also address the effects of climate change on the community. Under the CAAP, the City aims to achieve a per SP emissions target of 3.04 MTCO₂e/SP for year 2030, which would coincide with the emissions reduction target established under SB 32. To achieve this target, the City would be required to reduce emissions by 192,659 MTCO₂e relative to the BAU emissions forecast for year 2030. In addition to the year 2030 target, the CAAP also includes a long-term net carbon neutrality goal for year 2045. This goal would require a reduction in GHG of 1,513,047 MTCO₂e. To meet the 2030 reduction target, the CAAP includes 21 mitigation actions covering the transportation, building energy, and waste sectors. Full implementation of these mitigation actions would reduce emissions in the transportation, building energy, and waste sectors by 8%, 68%, and 24%, respectively. In addition to mitigation actions, the CAAP also includes 40 various adaptation actions that addresses extreme heat, air quality, drought, and sea level rise and flooding. The City anticipates to adopt the CAAP in Fall 2021 (45).

2.8 THRESHOLDS OF SIGNIFICANCE

The City of Long Beach has not established local CEQA significance thresholds for GHG emissions, as described in Section 15064.7 of the CEQA guidelines. According to the Final Statement of Reasons (FSOR) for Regulatory Action, the revised Section 15064.7 gives lead agencies the discretion to determine their methodology for a significance threshold for GHG emissions (46).

For CEQA purposes, the City has discretion to select an appropriate significance criterion, based on substantial evidence. The SCAQMD's adopted numerical threshold of 10,000 MTCO₂e/yr for

industrial stationary source emissions is selected as the significance criterion. The SCAQMD-adopted industrial threshold was selected by the City because the proposed Project is more analogous to an industrial use than any other land use such as commercial or residential in terms of its expected operating characteristics. The Project proposes a warehouse use that will serve mid-stream functions in the goods movement chain between manufacturers and consumers, characteristic of an industrial operation. Further, analysis of the Project's traffic generation in this report is based on the Institute of Transportation Engineers (ITE) Trip Generation Manual, 10th Edition, 2017 for warehouse and industrial land use categories. Also, 10,000 MTCO₂e/yr has been used as the significance threshold by many local government lead agencies for logistics projects throughout the SCAG region since the SCAQMD adopted this threshold for its own use. Further, to ensure that the threshold is conservative in its application, although the SCAQMD uses their adopted 10,000 MTCO₂e/yr threshold to determine the significance of stationary source emissions for industrial projects, the 10,000 MTCO₂e/yr threshold used in this CEQA document is applied to all sources of Project-related GHG emissions whether stationary source, mobile source, area source, or other.

Use of this threshold is also consistent with guidance provided in the CAPCOA *CEQA and Climate Change* handbook, as such, the City has opted to use a non-zero threshold approach based on Approach 2 of the handbook. Threshold 2.5 (Unit-Based Thresholds Based on Market Capture) establishes a numerical threshold based on capture of approximately 90% of emissions from future development. The latest threshold developed by SCAQMD using this method is 10,000 MTCO₂e/yr based on the review of 711 CEQA projects. As such, the City has selected the South Coast Air Quality Management District's numeric significance threshold of 10,000 MTCO₂e/yr.

This analysis also analyzes the Project's GHG emissions based on consistency with the 2017 *Scoping Plan*, the City's SCAP, and the Proposed CAAP.

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3 PROJECT GHG IMPACT

3.1 INTRODUCTION

The Project has been evaluated to determine if it will result in a significant GHG impact. The significance of these potential impacts is described in the following sections.

3.2 STANDARDS OF SIGNIFICANCE

The criteria used to determine the significance of potential Project-related GHG impacts are taken from the Initial Study Checklist in Appendix G of the State *CEQA Guidelines* (14 CCR of Regulations §§15000, et seq.). Based on these thresholds, a project would result in a significant impact related to GHG if it would (2):

- Generate GHG emissions, either directly or indirectly, that may have a significant impact on the environment?
- Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of GHGs?

3.3 MODELS EMPLOYED TO ANALYZE GHGS

3.3.1 CALIFORNIA EMISSIONS ESTIMATOR MODEL (CALEEMOD)

On October 17, 2017, the SCAQMD, in conjunction with the California Air Pollution Control Officers Association (CAPCOA) and other California air districts, released the latest version of the CalEEMod Version 2016.3.2. The purpose of this model is to calculate construction-source and operational-source criteria pollutants and GHG emissions from direct and indirect sources; and quantify applicable air quality and GHG reductions achieved from mitigation measures (47). Accordingly, the latest version of CalEEMod has been used for this Project to determine GHG emissions. Output from the model runs for construction and operational activity are provided in Appendices 3.1 through 3.3. CalEEMod includes GHG emissions from the following source categories: construction, area, energy, mobile, waste, water.

3.3.2 EMFAC2017 EMISSION RATES

On August 19, 2019, the EPA approved the 2017 version of the EMISSIONS FACTOR model (EMFAC) web database for use in State Implementation Plan and transportation conformity analyses. EMFAC2017 is a mathematical model that was developed to calculate emission rates, fuel consumption, VMT from motor vehicles that operate on highways, freeways, and local roads in California and is commonly used by CARB to project changes in future emissions from on-road mobile sources (48). This GHGA utilizes annual EMFAC2017 emission factors in order to derive vehicle emissions associated with Project operational activities.

Because the EMFAC2017 emission rates are associated with vehicle fuel types while CalEEMod vehicle emission factors are aggregated to include all fuel types for each individual vehicle class, the EMFAC2017 emission rates for different fuel types of a vehicle class are averaged by activity

or by population and activity to derive CalEEMod emission factors. The equations applied to obtain CalEEMod vehicle emission factors for each emission type are detailed in CalEEMod User's Guide *Appendix A: Calculation Details for CalEEMod* (49).

3.4 LIFE-CYCLE ANALYSIS NOT REQUIRED

A full life-cycle analysis (LCA) for construction and operational activity is not included in this analysis due to the lack of consensus guidance on LCA methodology at this time (50). Life-cycle analysis (i.e., assessing economy-wide GHG emissions from the processes in manufacturing and transporting all raw materials used in the Project development, infrastructure, and on-going operations) depends on emission factors or econometric factors that are not well established for all processes. At this time, an LCA would be extremely speculative and thus has not been prepared. Additionally, the SCAQMD recommends analyzing direct and indirect project GHG emissions generated within California and not life-cycle emissions because the life-cycle effects from a project could occur outside of California, might not be very well understood or documented, and would be challenging to mitigate (51). Additionally, the science to calculate life cycle emissions is not yet established or well defined; therefore, SCAQMD has not recommended, and is not requiring, life-cycle emissions analysis.

3.5 CONSTRUCTION EMISSIONS

3.5.1 CONSTRUCTION ACTIVITIES

Project construction activities would generate CO₂ and CH₄ emissions. The report *San Francisco Avenue Air Quality Impact Analysis Report* (AQIA) contains detailed information regarding Project construction activities (52). As discussed in the AQIA, Construction related emissions are expected from the following construction activities:

- Demolition/Crushing
- Site Preparation
- Grading
- Building Construction
- Architectural Coating

3.5.2 CONSTRUCTION DURATION

For purposes of analysis, construction of Project is expected to commence in October 2021 and be completed in November 2022. The construction schedule utilized in the analysis, shown in Table 3-1, represents a "worst-case" analysis scenario should construction occur any time after the respective dates since emission factors for construction decrease as time passes and the analysis year increases due to emission regulations becoming more stringent⁴. The duration of construction activity and associated equipment represents a reasonable approximation of the expected construction fleet as required per *CEQA Guidelines* (53).

⁴ As shown in the CalEEMod User's Guide Version 2016.3.2, Section 4.3 "OFFROAD Equipment" as the analysis year increases, emission factors for the same equipment pieces decrease due to the natural turnover of older equipment being replaced by newer less polluting equipment and new regulatory requirements.

TABLE 3-1: CONSTRUCTION DURATION

Phase Name	Start Date	End Date	Days
Demolition/Crushing	10/04/2021	10/29/2021	20
Site Preparation	10/30/2021	11/12/2021	10
Grading	11/13/2021	12/10/2021	20
Building Construction	12/11/2021	10/28/2022	230
Paving	10/29/2022	11/25/2022	20
Architectural Coating	10/01/2022	11/25/2022	40

3.5.3 CONSTRUCTION EQUIPMENT

A summary of construction equipment by phase is provided at Table 3-2. Consistent with industry standards and typical construction practices, each piece of equipment listed in Table 3-2 will operate up to a total of eight (8) hours per day, or more than two-thirds of the period during which construction activities are allowed pursuant to the City of Long Beach Municipal Code.

TABLE 3-2: CONSTRUCTION EQUIPMENT ASSUMPTIONS (1 OF 2)

Phase Name	Equipment	Amount	Hours Per Day
Demolition	Concrete/Industrial Saws	1	8
	Crushing/Proc. Equipment	1	8
	Excavators	3	8
	Rubber Tired Dozers	2	8
Site Preparation	Crawler Tractors	4	8
	Rubber Tired Dozers	3	8
Grading	Crawler Tractors	3	8
	Excavators	1	8
	Graders	1	8
	Rubber Tired Dozers	1	8
Building Construction	Cranes	1	8
	Crawler Tractors	3	8
	Forklifts	3	8
	Generator Sets	1	8
	Welders	1	8
Paving	Pavers	2	8
	Paving Equipment	2	8
	Rollers	2	8
Architectural Coating	Air Compressors	1	8

3.5.4 CONSTRUCTION EMISSIONS SUMMARY

For construction phase Project emissions, GHGs are quantified and amortized over the life of the Project. To amortize the emissions over the life of the Project, the SCAQMD recommends calculating the total GHG emissions for the construction activities, dividing it by a 30-year Project life then adding that number to the annual operational phase GHG emissions (54). As such, construction emissions were amortized over a 30-year period and added to the annual operational phase GHG emissions. The amortized construction emissions are presented in Table 3-3.

TABLE 3-3: AMORTIZED ANNUAL CONSTRUCTION EMISSIONS

Year	Emissions (MT/yr)			
	CO ₂	CH ₄	N ₂ O	Total CO ₂ e ⁵
2021	176.47	0.04	0.00	177.48
2022	716.84	0.13	0.00	720.04
Total GHG Emissions	893.31	0.17	0.00	897.52
Amortized Construction Emissions (MTCO₂e)	29.78	0.01	0.00	29.92

3.6 OPERATIONAL EMISSIONS

Operational activities associated with the Project will result in emissions of CO₂, CH₄, and N₂O from the following primary sources:

- Area Source Emissions
- Energy Source Emissions
- Mobile Source Emissions
- On-Site Cargo Handling Equipment Emissions
- Water Supply, Treatment, and Distribution
- Solid Waste

3.6.1 AREA SOURCE EMISSIONS

LANDSCAPE MAINTENANCE EQUIPMENT

Landscape maintenance equipment would generate emissions from fuel combustion and evaporation of unburned fuel. Equipment in this category would include lawnmowers, shredders/grinders, blowers, trimmers, chain saws, and hedge trimmers used to maintain the landscaping of the Project. The emissions associated with landscape maintenance equipment were calculated based on assumptions provided in CalEEMod.

⁵ CalEEMod reports the most common GHGs emitted which include CO₂, CH₄, and N₂O. These GHGs are then converted into the CO₂e by multiplying the individual GHG by the GWP.

3.6.2 ENERGY SOURCE EMISSIONS

COMBUSTION EMISSIONS ASSOCIATED WITH NATURAL GAS AND ELECTRICITY

GHGs are emitted from buildings as a result of activities for which electricity and natural gas are typically used as energy sources. Combustion of any type of fuel emits CO₂ and other GHGs directly into the atmosphere; these emissions are considered direct emissions associated with a building; the building energy use emissions do not include street lighting⁶. GHGs are also emitted during the generation of electricity from fossil fuels; these emissions are considered to be indirect emissions. For the proposed Project, CalEEMod default parameters were used.

TITLE 24 ENERGY EFFICIENCY STANDARDS

The CalEEMod defaults for Title 24 – Electricity and Lighting Energy were reduced by 30% in order to reflect consistency with the 2019 Title 24 standard.

3.6.3 MOBILE SOURCE EMISSIONS

The Project related GHG emissions derive primarily from vehicle trips generated by the Project, including employee trips to and from the site and truck trips associated with the proposed uses. As summarized in the *San Francisco Avenue Trip Generation Assessment*, the Project is expected to generate approximately 308 two-way vehicular trips (154 inbound and 154 outbound) which includes 26 two-way truck trips per day (13 inbound and 13 outbound) associated with the General Light Industrial land use and approximately 108 two-way vehicular trips (54 inbound and 54 outbound) which includes 30 two-way truck trips per day (15 inbound and 15 outbound) associated with the Warehouse land use (56).

APPROACH FOR ANALYSIS OF THE PROJECT

To determine emissions from passenger car vehicles, the CalEEMod defaults were utilized for trip length and trip purpose for the proposed industrial land uses. For the proposed industrial uses, it is important to note that although the *San Francisco Avenue Trip Generation Assessment* does not breakdown passenger cars by type, this analysis assumes that passenger cars include Light-Duty-Auto vehicles (LDA), Light-Duty-Trucks (LDT1⁷ & LDT2⁸), Medium-Duty-Vehicles (MDV), Motorcycles (MCY) vehicle types. To account for emissions generated by passenger cars, the following fleet mix was utilized in this analysis:

⁶ The CalEEMod emissions inventory model does not include indirect emission related to street lighting. Indirect emissions related to street lighting are expected to be negligible and cannot be accurately quantified at this time as there is insufficient information as to the number and type of street lighting that would occur.

⁷ Vehicles under the LDT1 category have a gross vehicle weight rating (GVWR) of less than 6,000 lbs. and equivalent test weight (ETW) of less than or equal to 3,750 lbs.

⁸ Vehicles under the LDT2 category have a GVWR of less than 6,000 lbs. and ETW between 3,751 lbs. and 5,750 lbs.

TABLE 3-4: PASSENGER CAR FLEET MIX

Land Use	Vehicle Type	%
General Light Industrial	LDA	59.34
	LDT1	4.88
	LDT2	22.15
	MDV	13.07
	MCY	0.56
Warehouse	LDA	59.34
	LDT1	4.88
	LDT2	22.15
	MDV	13.07
	MCY	0.56

Note: The Project-specific passenger car fleet mix used in this analysis is based on a proportional split utilizing the default CalEEMod percentages assigned to LDA, LDT1, LDT2, MDV, MCY vehicle types.

To determine emissions from trucks for the proposed industrial uses, the analysis incorporated the SCAQMD recommended truck trip length of 40 miles⁹ and an assumption of 100% primary trips for the proposed industrial land uses. In order to be consistent with the *San Francisco Avenue Trip Generation Assessment*, trucks are broken down by truck type. The truck fleet mix is estimated by rationing the trip rates for each truck type based on information provided in the *San Francisco Avenue Trip Generation Assessment*. Heavy trucks are broken down by truck type (or axle type) and are categorized as either Light-Heavy-Duty Trucks (LHDT1¹⁰ & LHDT2¹¹)/2-axle, Medium-Heavy-Duty Trucks (MHDT)/3-axle, and Heavy-Heavy-Duty Trucks (HHDT)/4+-axle. To account for emissions generated by trucks, the following fleet mix was utilized in this analysis:

TABLE 3-5: TRUCK FLEET MIX (1 OF 2)

Land Use	Vehicle Type	%
General Light Industrial	LHDT1	12.18
	LHDT2	4.80
	MHDT	20.75
	HHDT	62.27

⁹ The average trip length for heavy trucks were based on the SCAQMD documents for the implementation of the Facility-Based Mobile Source Measures (FBMSMs) adopted in the 2016 AQMP. SCAQMD's "Preliminary Warehouse Emission Calculations" cites 39.9-mile trip length for heavy-heavy trucks (41). As a conservative measure, a trip length of 40 miles has been utilized for all trucks for the purpose of this analysis (39)

¹⁰ Vehicles under the LHDT1 category have a GVWR of 8,501 to 10,000 lbs.

¹¹ Vehicles under the LHDT2 category have a GVWR of 10,001 to 14,000 lbs.

TABLE 3-5: TRUCK FLEET MIX (2 OF 2)

Land Use	Vehicle Type	%
Warehouse	LHDT1	12.18
	LHDT2	4.80
	MHDT	20.75
	HHDT	62.27

Note: Project-specific truck fleet mix is based on the number of trips generated by each truck type (LHDT1, LHDT2, MHDT, and HHDT) relative to the total number of truck trips.

3.6.4 ON-SITE CARGO HANDLING EQUIPMENT EMISSIONS

It is common for industrial warehouse buildings to require cargo handling equipment to move empty containers and empty chassis to and from the various pieces of cargo handling equipment that receive and distribute containers. For purposes of analysis, it is assumed that the Project would require on-site operational equipment of up to two (2) 200 horsepower (hp), compressed natural gas or gasoline-powered tractors/loaders/backhoes operating at 4 hours a day for 365 days of the year.

3.6.5 WATER SUPPLY, TREATMENT AND DISTRIBUTION

Indirect GHG emissions result from the production of electricity used to convey, treat, and distribute water and wastewater. The amount of electricity required to convey, treat, and distribute water depends on the volume of water as well as the sources of the water. Unless otherwise noted, CalEEMod default parameters were used.

3.6.6 SOLID WASTE

Industrial land uses will result in the generation and disposal of solid waste. A percentage of this waste will be diverted from landfills by a variety of means, such as reducing the amount of waste generated, recycling, and/or composting. The remainder of the waste not diverted will be disposed of at a landfill. GHG emissions from landfills are associated with the anaerobic breakdown of material. GHG emissions associated with the disposal of solid waste associated with the proposed Project were calculated by CalEEMod using default parameters.

3.6.7 EMISSIONS SUMMARY

The annual GHG emissions associated with the Project are summarized in Table 3-6. As shown in Table 3-6, construction and operation of the Project would generate a net total of approximately 1,991.42 MTCO₂e/yr.

TABLE 3-7: PROPOSED PROJECT GHG EMISSIONS

Emission Source	Emissions (MT/yr)
	Total CO ₂ e
Annual construction-related emissions amortized over 30 years	29.92
Area Source	0.02
Energy Source	267.50
Mobile Source	1,386.46
On-Site Equipment	102.41
Waste	67.79
Water Usage	137.33
Total CO₂e (All Sources)	1,991.42

3.7 COMPARISON TO ANALYSIS IN *LUE EIR*

This section summarizes the Project's emissions impacts in this GHGA as compared to the emissions totals and impacts that were identified in the *LUE EIR* (1).

3.7.1 *LUE EIR* OPERATIONAL EMISSIONS

Tables 3-8 shows the GHG emissions associated with buildout of the *LUE EIR* (1).

TABLE 3-8: *LUE EIR* GHG EMISSIONS

Emission Source	Emissions (MT/yr)
	Total CO ₂ e
Area Source	37,347.00
Energy Source	518,999.00
Mobile Source	890,829.00
Waste	135,892.00
Water Usage	87,351.00
Total CO₂e (All Sources)	1,670,419

3.7.2 CURRENTLY ADOPTED GENERAL PLAN LAND USE GHG EMISSIONS

This section summarizes the Project's emissions impacts in this GHGA as compared to the emissions totals that would occur if the site were built under the currently adopted land use. Building 1 is located on a vacant parcel (currently paved for parking, no building). However, Building 2 is currently being utilized for long-term contractor parking. The site is currently occupied by a 19,300-sf building in the northeast corner of the site. Both sites for Buildings 1 and 2 are designated for Light Industrial use. The City's General Plan (December 2019) identifies the existing land use on the site as Neo-Industrial, which allows non-residential development at an

intensity of 0.5-1.00 floor to area ratio (FAR) of industrial uses. As such, the existing 6.31-acre site currently assumes between 137,432 sf to 274,864 sf of light industrial uses. The GHG emissions are shown on Table 3-9 for the currently adopted land use.

TABLE 3-9: CURRENTLY ADOPTED GENERAL PLAN LAND USE GHG EMISSIONS

Emission Source	Emissions (MT/yr)
	Total CO ₂ e
Area Source	7.35E-03
Energy Source	525.68
Mobile Source	947.75
On-Site Equipment	51.20
Waste	85.70
Water Usage	149.64
Total CO₂e (All Sources)	1,759.97

3.7.3 COMPARISON OF THE PROPOSED PROJECT TO THE CURRENTLY ADOPTED GENERAL PLAN LAND USE

As shown in Table 3-10 the proposed Project is anticipated to generate less GHG emissions as compared to the emissions generated by currently adopted land use.

TABLE 3-10: GHG EMISSIONS COMPARISON

Emission Source	Emissions (MT/yr)
	Total CO ₂ e
Proposed Project	1,991.42
Currently Adopted Land Use	1,759.97
Net (Project – Currently Adopted)	231.45

3.8 GHG EMISSIONS FINDINGS AND RECOMMENDATIONS

3.8.1 GHG IMPACT 1

Potential to generate direct or indirect GHG emissions that would result in a significant impact on the environment.

The City of Long Beach does not have an adopted threshold of significance for GHG emissions. For CEQA purposes, the City has discretion to select an appropriate significance criterion, based on substantial evidence. The AQMD's adopted numerical threshold of 10,000 MTCO₂e/yr for industrial stationary source emissions is selected as the significance criterion. The SCAQMD-adopted industrial threshold was selected by the City because the proposed Project is analogous to an industrial use much more closely than any other land use such as commercial or residential in terms of its expected operating characteristics. The Project proposes a single warehouse building, characteristic of an industrial operation. Further, analysis of the Project's

traffic generation is based on the ITE Trip Generation Manual, 10th Edition, 2017 for industrial and warehouse uses. Also, 10,000 MTCO₂e/yr has been used as the significance threshold by many local government lead agencies for logistics projects throughout the SCAG region since the SCAQMD adopted this threshold for its own use. Further, to ensure that the threshold is conservative in its application, although the SCAQMD uses their adopted 10,000 MTCO₂e/yr threshold to determine the significance of stationary source emissions for industrial projects, the 10,000 MTCO₂e/yr threshold used in this analysis is applied to all sources of Project-related GHG emissions whether stationary source, mobile source, area source, or other.

Use of this threshold is also consistent with guidance provided in the CAPCOA *CEQA and Climate Change* handbook, as such the City has opted to use a non-zero threshold approach based on Approach 2 of the handbook. Threshold 2.5 (Unit-Based Thresholds Based on Market Capture) establishes a numerical threshold based on capture of approximately 90% of emissions from future development. The latest threshold developed by SCAQMD using this method is 10,000 MTCO₂e/yr for industrial projects. This threshold is based on the review of 711 CEQA projects.

As shown on Table 3-7, the Project will result in approximately 1,991.42 MTCO₂e/yr; the proposed project would not exceed the SCAQMD/City's screening threshold of 10,000 MTCO₂e/yr. Thus, project-related emissions would not have a significant direct or indirect impact on GHG and climate change and no mitigation or further analysis is required.

The Project would have the potential generate GHG emissions either directly or indirectly that would result in a significant impact on the environment.

3.8.2 GHG IMPACT 2

The Project would have the potential to conflict with any applicable plan, policy or regulation of an agency adopted for the purpose of reducing the emissions of GHGs.

As previously stated, pursuant to 15604.4 of the CEQA Guidelines, a lead agency may rely on qualitative analysis or performance-based standards to determine the significance of impacts from GHG emissions (43).

In November 2017, CARB released the Final 2017 Scoping Plan Update, which identifies the State's post-2020 reduction strategy. As Project building is anticipated to occur in 2023, consistency with SB 32 is discussed below.

CONSISTENCY WITH SB 32 (2017 SCOPING PLAN UPDATE)

The 2017 Scoping Plan Update reflects the 2030 target of a 40% reduction below 1990 levels, set by Executive Order B-30-15 and codified by SB 32. Table 3-11 summarizes the project's consistency with the 2017 Scoping Plan. As summarized, the Project will not conflict with any of the provisions of the Scoping Plan and in fact supports seven of the action categories.

TABLE 3-11: 2017 SCOPING PLAN CONSISTENCY SUMMARY¹²

Action	Responsible Parties	Consistency
Implement SB 350 by 2030		
Increase the Renewables Portfolio Standard to 50% of retail sales by 2030 and ensure grid reliability.	CPUC, CEC, CARB	Consistent. The Project would use energy from Southern California Edison (SCE). SCE has committed to diversify its portfolio of energy sources by increasing energy from wind and solar sources. The Project would not interfere with or obstruct SCE energy source diversification efforts.
Establish annual targets for statewide energy efficiency savings and demand reduction that will achieve a cumulative doubling of statewide energy efficiency savings in electricity and natural gas end uses by 2030.		Consistent. The Project would be designed and constructed to implement the energy efficiency measures for new commercial developments and would include several measures designed to reduce energy consumption. The Project would not interfere with or obstruct policies or strategies to establish annual targets for statewide energy efficiency savings and demand reduction.
Reduce GHG emissions in the electricity sector through the implementation of the above measures and other actions as modeled in Integrated Resource Planning (IRP) to meet GHG emissions reductions planning targets in the IRP process. Load-serving entities and publicly- owned utilities meet GHG emissions reductions planning targets through a combination of measures as described in IRPs.		Consistent. The proposed Project would be designed and constructed to implement the energy efficiency measures, where applicable by including several measures designed to reduce energy consumption. The proposed Project includes energy efficient field lighting and fixtures that meet the current Title 24 Standards throughout the Project Site and would be a modern development with energy efficient boilers, heaters, and air conditioning systems.
Implement Mobile Source Strategy (Cleaner Technology and Fuels)		
At least 1.5 million zero emission and plug-in hybrid light-duty electric vehicles by 2025.	CARB, California State Transportation Agency (CalSTA), Strategic Growth Council (SGC), California Department of Transportation (Caltrans), CEC, OPR, Local Agencies	Consistent. This is a CARB Mobile Source Strategy. The Project would not obstruct or interfere with CARB zero emission and plug-in hybrid light-duty electric vehicle 2025 targets.
At least 4.2 million zero emission and plug-in hybrid light-duty electric vehicles by 2030.		Consistent. This is a CARB Mobile Source Strategy. The Project would not obstruct or interfere with CARB zero emission and plug-in hybrid light-duty electric vehicle 2030 targets.
Further increase GHG stringency on all light-duty vehicles beyond existing Advanced Clean cars regulations.		Consistent. This is a CARB Mobile Source Strategy. The Project would not obstruct or interfere with CARB efforts to further increase GHG stringency on all light-duty

¹² Measures can be found at the following link: https://www.arb.ca.gov/cc/scopingplan/scoping_plan_2017.pdf

Action	Responsible Parties	Consistency
		vehicles beyond existing Advanced Clean cars regulations.
Medium- and Heavy-Duty GHG Phase 2.		Consistent. This is a CARB Mobile Source Strategy. The Project would not obstruct or interfere with CARB efforts to implement Medium- and Heavy-Duty GHG Phase 2.
Innovative Clean Transit: Transition to a suite of to-be-determined innovative clean transit options. Assumed 20% of new urban buses purchased beginning in 2018 will be zero emission buses with the penetration of zero-emission technology ramped up to 100% of new sales in 2030. Also, new natural gas buses, starting in 2018, and diesel buses, starting in 2020, meet the optional heavy-duty low-NO _x standard.		Consistent. This is a CARB Mobile Source Strategy. The Project would not obstruct or interfere with CARB efforts improve transit-source emissions.
Last Mile Delivery: New regulation that would result in the use of low NO _x or cleaner engines and the deployment of increasing numbers of zero-emission trucks primarily for class 3-7 last mile delivery trucks in California. This measure assumes ZEVs comprise 2.5% of new Class 3-7 truck sales in local fleets starting in 2020, increasing to 10% in 2025 and remaining flat through 2030.		Consistent. This is a CARB Mobile Source Strategy. The Project would not obstruct or interfere with CARB efforts to improve last mile delivery emissions.
Further reduce VMT through continued implementation of SB 375 and regional Sustainable Communities Strategies; forthcoming statewide implementation of SB 743; and potential additional VMT reduction strategies not specified in the Mobile Source Strategy but included in the document "Potential VMT Reduction Strategies for Discussion."		Consistent. This Project would not obstruct or interfere with implementation of SB 375 and would therefore not conflict with this measure.
Increase stringency of SB 375 Sustainable Communities Strategy (2035 targets).	CARB	Consistent. This is a CARB Mobile Source Strategy. The Project would not obstruct or interfere with CARB efforts to Increase stringency of SB 375 Sustainable Communities Strategy (2035 targets), which apply to passenger vehicles.

Action	Responsible Parties	Consistency
Harmonize project performance with emissions reductions and increase competitiveness of transit and active transportation modes (e.g., via guideline documents, funding programs, project selection, etc.).	CalSTA, SGC, OPR, CARB, Governor's Office of Business and Economic Development (GO- Biz), California Infrastructure and Economic Development Bank (IBank), Department of Finance (DOF), California Transportation Commission (CTC), Caltrans	Consistent. The Project would not obstruct or interfere with agency efforts to harmonize transportation facility project performance with emissions reductions and increase competitiveness of transit and active transportation modes.
By 2019, develop pricing policies to support low-GHG transportation (e.g., low-emission vehicle zones for heavy duty, road user, parking pricing, transit discounts).	CalSTA, Caltrans, CTC, OPR, SGC, CARB	Consistent. The Project would not obstruct or interfere with agency efforts to develop pricing policies to support low-GHG transportation.
Implement California Sustainable Freight Action Plan		
Improve freight system efficiency.	CalSTA, CalEPA, CNRA, CARB, Caltrans, CEC, GO-Biz	Consistent. This measure would apply to all trucks accessing the Project site, this may include existing trucks or new trucks that are part of the statewide goods movement sector. The Project would not obstruct or interfere with agency efforts to Improve freight system efficiency.
Deploy over 100,000 freight vehicles and equipment capable of zero emission operation and maximize both zero and near-zero emission freight vehicles and equipment powered by renewable energy by 2030.		Consistent. The Project would not obstruct or interfere with agency efforts to deploy over 100,000 freight vehicles and equipment capable of zero emission operation and maximize both zero and near-zero emission freight vehicles and equipment powered by renewable energy by 2030.

Action	Responsible Parties	Consistency
Adopt a Low Carbon Fuel Standard with a Carbon Intensity reduction of 18%.	CARB	Consistent. When adopted, this measure would apply to all fuel purchased and used by the Project in the state. The Project would not obstruct or interfere with agency efforts to adopt a Low Carbon Fuel Standard with a Carbon Intensity reduction of 18%.
Implement the Short-Lived Climate Pollutant Strategy (SLPS) by 2030		
40% reduction in methane and hydrofluorocarbon emissions below 2013 levels.	CARB, CalRecycle, CDFA, SWRCB, Local Air Districts	Consistent. The Project would be required to comply with this measure and reduce any Project-source SLPS emissions accordingly. The Project would not obstruct or interfere agency efforts to reduce SLPS emissions.
50% reduction in black carbon emissions below 2013 levels.		
By 2019, develop regulations and programs to support organic waste landfill reduction goals in the SLCP and SB 1383.	CARB, CalRecycle, CDFA SWRCB, Local Air Districts	Consistent. The Project would implement waste reduction and recycling measures consistent with State and City requirements. The Project would not obstruct or interfere agency efforts to support organic waste landfill reduction goals in the SLCP and SB 1383.
Implement the post-2020 Cap-and-Trade Program with declining annual caps.	CARB	Consistent. The Project would be required to comply with any applicable Cap-and-Trade Program provisions. The Project would not obstruct or interfere agency efforts to implement the post-2020 Cap-and-Trade Program.
By 2018, develop Integrated Natural and Working Lands Implementation Plan to secure California's land base as a net carbon sink		
Protect land from conversion through conservation easements and other incentives.	CNRA, Departments Within CDFA,	Consistent. The Project would not obstruct or interfere agency efforts to protect land from conversion through

Action	Responsible Parties	Consistency
	CalEPA, CARB	conservation easements and other incentives.
Increase the long-term resilience of carbon storage in the land base and enhance sequestration capacity		Consistent. The Project would not obstruct or interfere agency efforts to increase the long-term resilience of carbon storage in the land base and enhance sequestration capacity.
Utilize wood and agricultural products to increase the amount of carbon stored in the natural and built environments		Consistent. Where appropriate, Project designs will incorporate wood or wood products. The Project would not obstruct or interfere agency efforts to encourage use of wood and agricultural products to increase the amount of carbon stored in the natural and built environments.
Establish scenario projections to serve as the foundation for the Implementation Plan		Consistent. The Project would not obstruct or interfere agency efforts to establish scenario projections to serve as the foundation for the Implementation Plan.
Establish a carbon accounting framework for natural and working lands as described in SB 859 by 2018	CARB	Consistent. The Project would not obstruct or interfere agency efforts to establish a carbon accounting framework for natural and working lands as described in SB 859 by 2018.
Implement Forest Carbon Plan	CNRA, California Department of Forestry and Fire Protection (CAL FIRE), CalEPA and Departments Within	Consistent. The Project would not obstruct or interfere agency efforts to implement the Forest Carbon Plan.
Identify and expand funding and financing mechanisms to support GHG reductions across all sectors.	State Agencies & Local Agencies	Consistent. The Project would not obstruct or interfere agency efforts to identify and expand funding and financing mechanisms to support GHG reductions across all sectors.

As shown above, the Project would not conflict with any of the 2017 Scoping Plan elements as any regulations adopted would apply directly or indirectly to the Project. Further, recent studies show that the State's existing and proposed regulatory framework will allow the State to reduce its GHG emissions level to 40% below 1990 levels by 2030 (38). Notwithstanding, the Project would result in a significant and unavoidable impact with respect to this threshold, as the Project exceeds the applicable numeric screening thresholds for GHG emissions and therefore has potential to impede the State's ability to achieve the 40% below 1990 level reduction target.

CITY OF LONG BEACH SCAP

Although project plans have not yet been developed to identify specific project features that would support reductions in electrical usage, adjustments were made to the CalEEMod modeling to represent that the project would comply with the 2019 Title 24. As such, the Project would help conserve energy and would be consistent with the goals and initiatives of AB 32 and the SCAP, no significant impacts would result from the proposed project, and no mitigation is required.

CITY OF LONG BEACH CAAP

Table 3-12 evaluates consistency of the Project to the proposed CAAP. Specifically, the Project is compared to the CAAP goals that relate to and are associated with providing emissions reductions.

TABLE 3-12: CITY OF LONG BEACH CAAP CONSISTENCY SUMMARY¹³

Objective	No.	Action	Consistency
Extreme Heat: Long Beach buildings, neighborhoods, and infrastructure are climate resilient, reduce the urban heat island effect, and are set up to ensure and improve public health and safety in the face of extreme heat events			
New and existing buildings, streets, and public spaces reduce extreme heat through incorporation of cool surfaces and green infrastructure	EH-1	Increase presence of cool roofs and cool walls	Consistent. The Project would be developed to include cool surfaces and green infrastructure.
	EH-2	Increase the presence of reflective streets, cool surfaces, and shade canopies	
	EH-3	Enhance and expand urban forest cover and vegetation	
All residents have access to services	EH-4	Install additional water fountains and	

¹³ Measures can be found at the following link: https://www.arb.ca.gov/cc/scopingplan/scoping_plan_2017.pdf

Objective	No.	Action	Consistency
and programs to withstand extreme heat events		other actions to increase public access to water	Consistent. The Project would be developed so that all residents have access to services and programs to withstand extreme heat events.
	EH-5	Identify future vulnerability potential for power outages related to extreme heat and develop plans to prevent such outages	
	EH-6	Enhance and expand the accessibility of cooling centers	
Public transit is a comfortable and viable mobility option during extreme heat events, especially for transit-dependent populations	EH-7	Provide bus shelter amenities	Consistent. The Project would not obstruct or interfere efforts to comply with the objectives outlined for EH-7 and EH-8.
	EH-8	Improve beach and coastal transit access during extreme heat events	
Air Quality: All Long Beach communities have clean air and improved public health			
Buildings and facilities actively reduce air pollution as a component of a broader energy reduction strategy	AQ-1	Incentivize installation of photocatalytic tiles	Consistent. The Project would be developed to reduce air pollution as a component of a broader energy reduction strategy.
	AQ-2	Encourage urban agriculture practices that reduce air quality pollution	
Emissions are reduced by shifting to cleaner equipment and vehicles	AQ-3	Support the development of the Long Beach Airport Sustainability Plan	Not Applicable. This is not a project-specific goal and is therefore not applicable.

Objective	No.	Action	Consistency
	AQ-4	Electrify small local emitters, such as lawn and garden equipment, outdoor power equipment, and others	
	AQ-5	Work with Long Beach Unified School District (LBUSD) to support school bus electrification	
	AQ-6	Implement the Port of Long Beach Clean Air Action Plan	
Air quality impacts from local oil and gas operations are minimized	AQ-7	Increase monitoring and regulation of oil extraction and refining process	Not Applicable. This is not a project-specific goal and is therefore not applicable.
Drought: Long Beach has a more sustainable and diverse water supply that reduces dependence on imported water and improves long-term water security			
Maximize water efficiency and conservation	DRT-1	Continue development and implementation of water use efficiency programs and implement additional water conservation programs	Consistent: Project development will include all State mandated water saving features, including water-efficient faucets, showerheads, and toilets.
	DRT-2	Enhance outreach and education related to water conservation	

Objective	No.	Action	Consistency
Maximize water that is captured and reused locally	DRT-3	Expand usage of green infrastructure and green streets	Consistent. The Project would not obstruct or interfere efforts to comply with the objectives outlined for DRT-3, DRT-4, and DRT-5.
	DRT-4	Expand usage of recycled water and greywater for non-potable use	
	DRT-5	Incorporate increased rainfall capture and other actions to maximize local water supplies and offset imported water	
Sea Level Rise & Flooding: Long Beach understands and is prepared for its future flood risk			
Short-Term Action (to 2030) City plans and policies are forward-looking and ensure projects and investments account for projected sea level and flooding impacts	FLD-1	Update and augment floodplain regulations as necessary	Not Applicable. This is not a project-specific goal and is therefore not applicable.
	FLD-2	Incorporate sea level rise language into citywide plans, policies, and regulations	
	FLD-3	Establish a flood impacts monitoring program	
	FLD-4	Incorporate adaptation into City lease negotiations	

Objective	No.	Action	Consistency
	FLD-5	Update the City’s existing Stormwater Management Plan	
Clear and sufficient information is on hand to identify and prioritize near-term adaptation needs and best practices	FLD-6	Conduct citywide beach stabilization study	Not Applicable. This is not a project-specific goal and is therefore not applicable.
	FLD-7	Review and conduct studies of combined riverine/coastal flooding and increased severity of rainfall events on watershed flooding	
Adaptation strategies are implemented to protect vulnerable shoreline areas and wastewater infrastructure	FLD-8	Enhance dunes	Not Applicable. This is not a project-specific goal and is therefore not applicable.
	FLD-9	Inventory and flood-proof vulnerable sewer pump stations	
Building & Energy: Long Beach buildings are energy-efficient and our communities run on affordable, renewable electricity			
Transition to a carbon-free, more resilient electricity system	BE-1	Provide access to renewably generated electricity	Consistent. The Project would not obstruct or interfere efforts to comply with the objectives outlined for BE-1, BE-2, and BE-3.
	BE-2	Increase use of solar power	
	BE-3	Promote community and solar microgrids	
Increase the energy efficiency of existing buildings/facilities	BE-4	Develop a residential and commercial energy assessment and benchmarking program	Not Applicable. This is not a project-specific goal and is therefore not applicable.

Objective	No.	Action	Consistency
	BE-5	Provide access to energy efficiency financing, rebates, and incentives for building owners	
	BE-6	Perform municipal energy audits	
Ensure new buildings are low-carbon or carbon neutral	BE-7	Update building codes to incentivize electric new residential and commercial buildings	Not Applicable. This is not a project-specific goal and is therefore not applicable.
Reduce emissions from local oil and gas extraction	BE-8	Implement short-term measures to reduce emissions related to oil and gas extraction	Not Applicable. This is not a project-specific goal and is therefore not applicable.
Transportation: Affordable, safe, carbon-free transportation choices connect all Long Beach communities to opportunity, clean air, and improved health			
Decrease reliance on personal motor vehicles and increase transit, biking, and walking trips	T-1	Increase the frequency, connectivity, and safety of transit options	Consistent. The Project would not obstruct or interfere with the City's efforts to decrease reliance on personal motor vehicles and increase transit, biking, and walking trips.
	T-2	Expand and improve pedestrian infrastructure citywide	
	T-3	Increase bikeway infrastructure	
Shift to low- and zero-emissions vehicles to move people and freight	T-4	Implement the Port of Long Beach Clean Trucks Program	Consistent. The Project would not obstruct or interfere with the City's efforts to shift to low- and zero-emissions vehicles to move people and freight.

Objective	No.	Action	Consistency
	T-5	Develop an Electric Vehicle Infrastructure Master Plan	
Prioritize the development of transit-oriented neighborhoods with a mix of jobs, services, and housing	T-6	Increase employment and residential development along primary transit corridors	Consistent. The Project would not obstruct or interfere with the City’s efforts to prioritize the development of transit-oriented neighborhoods with a mix of jobs, services, and housing.
	T-7	Update the Transportation Demand Management Ordinance	
	T-8	Increase density and mixing of land uses	
	T-9	Integrate SB 743 planning with CAAP process	
Waste: Long Beach is a zero-waste city			
Materials that can be recycled are recycled	W-1	Ensure compliance with state law requirements for multi-family and commercial property recycling programs	Not Applicable. This is not a project-specific goal and is therefore not applicable.
	W-2	Develop an organic waste collection program for City-serviced accounts	
Collect all organic waste for composting or clean energy generation	W-3	Partner with private waste haulers to expand organic waste collection community-wide	Not Applicable. This is not a project-specific goal and is therefore not applicable.

Objective	No.	Action	Consistency
	W-4	Identify organic waste management options	

The Project would not conflict with any applicable plan, policy or regulation adopted for the purpose of reducing the emissions of GHGs.

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5 CERTIFICATIONS

The contents of this GHG study report represent an accurate depiction of the GHG impacts associated with the proposed San Francisco Avenue Project. The information contained in this GHG report is based on the best available data at the time of preparation. If you have any questions, please contact me directly at hqureshi@urbanxroads.com.

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EDUCATION

Master of Science in Environmental Studies
California State University, Fullerton • May 2010

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PROFESSIONAL AFFILIATIONS

AEP – Association of Environmental Planners
AWMA – Air and Waste Management Association
ASTM – American Society for Testing and Materials

PROFESSIONAL CERTIFICATIONS

Planned Communities and Urban Infill – Urban Land Institute • June 2011
Indoor Air Quality and Industrial Hygiene – EMSL Analytical • April 2008
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APPENDIX 3.1:

CALEEMOD PROJECT CONSTRUCTION EMISSIONS MODEL OUTPUTS

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San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Annual

San Francisco Avenue (Construction - Unmitigated)**Los Angeles-South Coast County, Annual****1.0 Project Characteristics****1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	61.80	1000sqft	1.42	61,798.00	0
Other Asphalt Surfaces	51.84	1000sqft	1.19	51,840.00	0
Parking Lot	376.00	Space	1.46	150,400.00	0
City Park	0.81	Acre	0.81	35,283.60	0
Unrefrigerated Warehouse-No Rail	61.80	1000sqft	1.42	61,797.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9			Operational Year	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	564.66	CH4 Intensity (lb/MW hr)	0.023	N2O Intensity (lb/MW hr)	0.005

1.3 User Entered Comments & Non-Default Data

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Project Characteristics - Intensity factors adjusted to reflect the RPS for the 2022 Opening Year

Land Use - Total Project area is approximately 6.3 acres

Construction Phase - Construction anticipated to be completed in 2022

Off-road Equipment - Hours are based on an 8-hour workday

Off-road Equipment - Crawler Tractors used in lieu of Tractors/Loaders/Backhoes

Off-road Equipment -

Off-road Equipment - Crawler Tractors used in lieu of Tractors/Loaders/Backhoes

Off-road Equipment -

Off-road Equipment - Crawler Tractors used in lieu of Tractors/Loaders/Backhoes

Trips and VMT - Vendor Trips adjusted based on CalEEMod defaults for Building Construction and number of days for Demolition, Site Preparation, Grading, and Building Construction

Demolition -

Grading - This analysis conservatively assumes that up to 5 acres will be disturbed per day

Architectural Coating - Rule 1113

Vehicle Trips - Construction run only

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Energy Use - Construction run only

Water And Wastewater - Construction run only

Solid Waste - Construction run only

Construction Off-road Equipment Mitigation - Rule 403

Fleet Mix -

Area Coating -

Consumer Products - Construction only

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00

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tblAreaCoating	ReapplicationRatePercent	10	0
tblConstructionPhase	NumDays	20.00	40.00
tblConsumerProducts	ROG_EF	1.98E-05	1E-13
tblConsumerProducts	ROG_EF_Degreaser	3.542E-07	1E-12
tblConsumerProducts	ROG_EF_PesticidesFertilizers	5.152E-08	1E-13
tblEnergyUse	LightingElect	3.10	0.00
tblEnergyUse	LightingElect	0.35	0.00
tblEnergyUse	LightingElect	1.91	0.00
tblEnergyUse	NT24E	5.75	0.00
tblEnergyUse	NT24E	1.34	0.00
tblEnergyUse	NT24NG	4.45	0.00
tblEnergyUse	NT24NG	0.03	0.00
tblEnergyUse	T24E	2.25	0.00
tblEnergyUse	T24E	0.65	0.00
tblEnergyUse	T24NG	13.65	0.00
tblEnergyUse	T24NG	0.84	0.00
tblGrading	AcresOfGrading	40.00	100.00
tblGrading	AcresOfGrading	20.00	50.00
tblGrading	MaterialImported	0.00	1,077.00
tblLandUse	LotAcreage	3.38	1.46
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.023

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tblProjectCharacteristics	CO2IntensityFactor	702.44	564.66
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.005
tblSolidWaste	SolidWasteGenerationRate	0.07	0.00
tblSolidWaste	SolidWasteGenerationRate	76.63	0.00
tblSolidWaste	SolidWasteGenerationRate	58.09	0.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	5.00
tblTripsAndVMT	VendorTripNumber	59.00	48.00
tblVehicleEF	HHD	0.62	0.03
tblVehicleEF	HHD	0.09	0.08
tblVehicleEF	HHD	0.08	1.0000e-006
tblVehicleEF	HHD	2.47	6.23
tblVehicleEF	HHD	1.15	0.58
tblVehicleEF	HHD	3.30	9.5390e-003
tblVehicleEF	HHD	4,690.45	1,172.50
tblVehicleEF	HHD	1,639.83	1,482.70
tblVehicleEF	HHD	10.54	0.09
tblVehicleEF	HHD	20.39	6.32
tblVehicleEF	HHD	3.81	3.60
tblVehicleEF	HHD	19.54	2.06
tblVehicleEF	HHD	0.01	3.9370e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	8.7000e-005	2.0000e-006
tblVehicleEF	HHD	0.01	3.7670e-003

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tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8380e-003	8.8970e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	8.0000e-005	1.0000e-006
tblVehicleEF	HHD	1.0500e-004	7.0000e-006
tblVehicleEF	HHD	4.6110e-003	2.7700e-004
tblVehicleEF	HHD	0.62	0.45
tblVehicleEF	HHD	7.9000e-005	5.0000e-006
tblVehicleEF	HHD	0.15	0.08
tblVehicleEF	HHD	3.9500e-004	1.5080e-003
tblVehicleEF	HHD	0.08	3.0000e-006
tblVehicleEF	HHD	0.04	0.01
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.6000e-004	1.0000e-006
tblVehicleEF	HHD	1.0500e-004	7.0000e-006
tblVehicleEF	HHD	4.6110e-003	2.7700e-004
tblVehicleEF	HHD	0.72	0.52
tblVehicleEF	HHD	7.9000e-005	5.0000e-006
tblVehicleEF	HHD	0.25	0.17
tblVehicleEF	HHD	3.9500e-004	1.5080e-003
tblVehicleEF	HHD	0.09	3.0000e-006
tblVehicleEF	HHD	0.58	0.03
tblVehicleEF	HHD	0.10	0.08
tblVehicleEF	HHD	0.07	1.0000e-006
tblVehicleEF	HHD	1.80	6.09
tblVehicleEF	HHD	1.16	0.59
tblVehicleEF	HHD	3.13	9.0610e-003

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tblVehicleEF	HHD	4,968.94	1,168.97
tblVehicleEF	HHD	1,639.83	1,482.70
tblVehicleEF	HHD	10.54	0.09
tblVehicleEF	HHD	21.04	6.13
tblVehicleEF	HHD	3.60	3.41
tblVehicleEF	HHD	19.53	2.06
tblVehicleEF	HHD	0.01	3.4420e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	8.7000e-005	2.0000e-006
tblVehicleEF	HHD	0.01	3.2930e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8380e-003	8.8970e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	8.0000e-005	1.0000e-006
tblVehicleEF	HHD	1.6000e-004	1.1000e-005
tblVehicleEF	HHD	4.7280e-003	2.8200e-004
tblVehicleEF	HHD	0.58	0.47
tblVehicleEF	HHD	1.1400e-004	8.0000e-006
tblVehicleEF	HHD	0.15	0.08
tblVehicleEF	HHD	3.8400e-004	1.4870e-003
tblVehicleEF	HHD	0.08	3.0000e-006
tblVehicleEF	HHD	0.05	0.01
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.5700e-004	1.0000e-006
tblVehicleEF	HHD	1.6000e-004	1.1000e-005

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tblVehicleEF	HHD	4.7280e-003	2.8200e-004
tblVehicleEF	HHD	0.68	0.55
tblVehicleEF	HHD	1.1400e-004	8.0000e-006
tblVehicleEF	HHD	0.25	0.17
tblVehicleEF	HHD	3.8400e-004	1.4870e-003
tblVehicleEF	HHD	0.08	3.0000e-006
tblVehicleEF	HHD	0.67	0.02
tblVehicleEF	HHD	0.09	3.6360e-003
tblVehicleEF	HHD	0.08	1.0000e-006
tblVehicleEF	HHD	3.41	6.32
tblVehicleEF	HHD	1.15	0.38
tblVehicleEF	HHD	3.33	9.6340e-003
tblVehicleEF	HHD	4,305.87	1,158.96
tblVehicleEF	HHD	1,639.83	1,430.09
tblVehicleEF	HHD	10.54	0.09
tblVehicleEF	HHD	19.48	6.47
tblVehicleEF	HHD	3.75	3.49
tblVehicleEF	HHD	19.55	2.06
tblVehicleEF	HHD	0.02	4.3710e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	8.7000e-005	2.0000e-006
tblVehicleEF	HHD	0.02	4.1820e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8380e-003	8.7580e-003
tblVehicleEF	HHD	0.01	0.03

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tblVehicleEF	HHD	8.0000e-005	1.0000e-006
tblVehicleEF	HHD	1.0300e-004	8.0000e-006
tblVehicleEF	HHD	4.9260e-003	3.1500e-004
tblVehicleEF	HHD	0.66	0.42
tblVehicleEF	HHD	7.7000e-005	5.0000e-006
tblVehicleEF	HHD	0.15	0.08
tblVehicleEF	HHD	4.2900e-004	1.6010e-003
tblVehicleEF	HHD	0.08	3.0000e-006
tblVehicleEF	HHD	0.04	0.01
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.6000e-004	1.0000e-006
tblVehicleEF	HHD	1.0300e-004	8.0000e-006
tblVehicleEF	HHD	4.9260e-003	3.1500e-004
tblVehicleEF	HHD	0.78	0.48
tblVehicleEF	HHD	7.7000e-005	5.0000e-006
tblVehicleEF	HHD	0.25	0.09
tblVehicleEF	HHD	4.2900e-004	1.6010e-003
tblVehicleEF	HHD	0.09	3.0000e-006
tblVehicleEF	LDA	5.3420e-003	3.0240e-003
tblVehicleEF	LDA	5.4040e-003	0.05
tblVehicleEF	LDA	0.66	0.72
tblVehicleEF	LDA	1.15	2.10
tblVehicleEF	LDA	274.33	272.47
tblVehicleEF	LDA	57.08	53.62
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.07	0.18
tblVehicleEF	LDA	2.1700e-003	1.8010e-003

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tblVehicleEF	LDA	2.2660e-003	1.8420e-003
tblVehicleEF	LDA	2.0000e-003	1.6590e-003
tblVehicleEF	LDA	2.0830e-003	1.6940e-003
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.21
tblVehicleEF	LDA	0.07	0.22
tblVehicleEF	LDA	2.7480e-003	2.6780e-003
tblVehicleEF	LDA	5.9000e-004	5.2700e-004
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.21
tblVehicleEF	LDA	0.08	0.25
tblVehicleEF	LDA	5.6740e-003	3.2280e-003
tblVehicleEF	LDA	4.8010e-003	0.04
tblVehicleEF	LDA	0.72	0.79
tblVehicleEF	LDA	0.98	1.79
tblVehicleEF	LDA	287.10	284.40
tblVehicleEF	LDA	57.08	53.05
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.06	0.17
tblVehicleEF	LDA	2.1700e-003	1.8010e-003
tblVehicleEF	LDA	2.2660e-003	1.8420e-003

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tblVehicleEF	LDA	2.0000e-003	1.6590e-003
tblVehicleEF	LDA	2.0830e-003	1.6940e-003
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.11	0.10
tblVehicleEF	LDA	0.05	0.07
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.20
tblVehicleEF	LDA	0.06	0.20
tblVehicleEF	LDA	2.8760e-003	2.7950e-003
tblVehicleEF	LDA	5.8700e-004	5.2200e-004
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.11	0.10
tblVehicleEF	LDA	0.05	0.07
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.20
tblVehicleEF	LDA	0.07	0.22
tblVehicleEF	LDA	5.2330e-003	2.9600e-003
tblVehicleEF	LDA	5.5300e-003	0.05
tblVehicleEF	LDA	0.63	0.69
tblVehicleEF	LDA	1.19	2.17
tblVehicleEF	LDA	269.66	268.07
tblVehicleEF	LDA	57.08	53.75
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.07	0.19
tblVehicleEF	LDA	2.1700e-003	1.8010e-003
tblVehicleEF	LDA	2.2660e-003	1.8420e-003
tblVehicleEF	LDA	2.0000e-003	1.6590e-003

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tblVehicleEF	LDA	2.0830e-003	1.6940e-003
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.05	0.24
tblVehicleEF	LDA	0.07	0.23
tblVehicleEF	LDA	2.7010e-003	2.6350e-003
tblVehicleEF	LDA	5.9100e-004	5.2800e-004
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.05	0.24
tblVehicleEF	LDA	0.08	0.25
tblVehicleEF	LDT1	0.02	7.7270e-003
tblVehicleEF	LDT1	0.01	0.07
tblVehicleEF	LDT1	1.68	1.45
tblVehicleEF	LDT1	2.78	2.27
tblVehicleEF	LDT1	341.15	320.55
tblVehicleEF	LDT1	69.44	63.67
tblVehicleEF	LDT1	0.16	0.12
tblVehicleEF	LDT1	0.16	0.26
tblVehicleEF	LDT1	3.5390e-003	2.7170e-003
tblVehicleEF	LDT1	3.4320e-003	2.6310e-003
tblVehicleEF	LDT1	3.2590e-003	2.5000e-003
tblVehicleEF	LDT1	3.1560e-003	2.4190e-003

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tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	0.26	0.20
tblVehicleEF	LDT1	0.11	0.11
tblVehicleEF	LDT1	0.04	0.03
tblVehicleEF	LDT1	0.17	0.69
tblVehicleEF	LDT1	0.19	0.35
tblVehicleEF	LDT1	3.4330e-003	3.1520e-003
tblVehicleEF	LDT1	7.4300e-004	6.2600e-004
tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	0.26	0.20
tblVehicleEF	LDT1	0.11	0.11
tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.17	0.69
tblVehicleEF	LDT1	0.21	0.39
tblVehicleEF	LDT1	0.02	8.1770e-003
tblVehicleEF	LDT1	0.01	0.06
tblVehicleEF	LDT1	1.82	1.58
tblVehicleEF	LDT1	2.36	1.93
tblVehicleEF	LDT1	356.02	332.71
tblVehicleEF	LDT1	69.44	63.00
tblVehicleEF	LDT1	0.14	0.10
tblVehicleEF	LDT1	0.15	0.24
tblVehicleEF	LDT1	3.5390e-003	2.7170e-003
tblVehicleEF	LDT1	3.4320e-003	2.6310e-003
tblVehicleEF	LDT1	3.2590e-003	2.5000e-003
tblVehicleEF	LDT1	3.1560e-003	2.4190e-003
tblVehicleEF	LDT1	0.20	0.20

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tblVehicleEF	LDT1	0.28	0.21
tblVehicleEF	LDT1	0.15	0.15
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.16	0.64
tblVehicleEF	LDT1	0.17	0.31
tblVehicleEF	LDT1	3.5840e-003	3.2710e-003
tblVehicleEF	LDT1	7.3600e-004	6.1900e-004
tblVehicleEF	LDT1	0.20	0.20
tblVehicleEF	LDT1	0.28	0.21
tblVehicleEF	LDT1	0.15	0.15
tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.16	0.64
tblVehicleEF	LDT1	0.18	0.34
tblVehicleEF	LDT1	0.02	7.5820e-003
tblVehicleEF	LDT1	0.01	0.07
tblVehicleEF	LDT1	1.63	1.41
tblVehicleEF	LDT1	2.87	2.35
tblVehicleEF	LDT1	335.69	316.06
tblVehicleEF	LDT1	69.44	63.82
tblVehicleEF	LDT1	0.15	0.12
tblVehicleEF	LDT1	0.16	0.26
tblVehicleEF	LDT1	3.5390e-003	2.7170e-003
tblVehicleEF	LDT1	3.4320e-003	2.6310e-003
tblVehicleEF	LDT1	3.2590e-003	2.5000e-003
tblVehicleEF	LDT1	3.1560e-003	2.4190e-003
tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	0.30	0.22

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tblVehicleEF	LDT1	0.10	0.10
tblVehicleEF	LDT1	0.04	0.03
tblVehicleEF	LDT1	0.20	0.82
tblVehicleEF	LDT1	0.20	0.36
tblVehicleEF	LDT1	3.3780e-003	3.1070e-003
tblVehicleEF	LDT1	7.4500e-004	6.2800e-004
tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	0.30	0.22
tblVehicleEF	LDT1	0.10	0.10
tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.20	0.82
tblVehicleEF	LDT1	0.21	0.40
tblVehicleEF	LDT2	7.2180e-003	4.9730e-003
tblVehicleEF	LDT2	6.3970e-003	0.07
tblVehicleEF	LDT2	0.84	1.02
tblVehicleEF	LDT2	1.35	2.65
tblVehicleEF	LDT2	381.91	343.42
tblVehicleEF	LDT2	78.07	68.73
tblVehicleEF	LDT2	0.08	0.09
tblVehicleEF	LDT2	0.11	0.28
tblVehicleEF	LDT2	2.1510e-003	1.9110e-003
tblVehicleEF	LDT2	2.3580e-003	1.8910e-003
tblVehicleEF	LDT2	1.9790e-003	1.7590e-003
tblVehicleEF	LDT2	2.1690e-003	1.7390e-003
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.10	0.12
tblVehicleEF	LDT2	0.05	0.07

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tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.41
tblVehicleEF	LDT2	0.09	0.31
tblVehicleEF	LDT2	3.8260e-003	3.3760e-003
tblVehicleEF	LDT2	8.0300e-004	6.7600e-004
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.10	0.12
tblVehicleEF	LDT2	0.05	0.07
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.06	0.41
tblVehicleEF	LDT2	0.09	0.34
tblVehicleEF	LDT2	7.6530e-003	5.2910e-003
tblVehicleEF	LDT2	5.6920e-003	0.06
tblVehicleEF	LDT2	0.92	1.12
tblVehicleEF	LDT2	1.15	2.26
tblVehicleEF	LDT2	399.04	355.31
tblVehicleEF	LDT2	78.07	67.99
tblVehicleEF	LDT2	0.07	0.08
tblVehicleEF	LDT2	0.10	0.26
tblVehicleEF	LDT2	2.1510e-003	1.9110e-003
tblVehicleEF	LDT2	2.3580e-003	1.8910e-003
tblVehicleEF	LDT2	1.9790e-003	1.7590e-003
tblVehicleEF	LDT2	2.1690e-003	1.7390e-003
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.10	0.13
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.02	0.02

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tblVehicleEF	LDT2	0.06	0.38
tblVehicleEF	LDT2	0.08	0.28
tblVehicleEF	LDT2	3.9980e-003	3.4930e-003
tblVehicleEF	LDT2	8.0000e-004	6.6800e-004
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.10	0.13
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.06	0.38
tblVehicleEF	LDT2	0.08	0.31
tblVehicleEF	LDT2	7.0750e-003	4.8730e-003
tblVehicleEF	LDT2	6.5470e-003	0.07
tblVehicleEF	LDT2	0.81	0.99
tblVehicleEF	LDT2	1.39	2.74
tblVehicleEF	LDT2	375.62	339.02
tblVehicleEF	LDT2	78.07	68.90
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.11	0.28
tblVehicleEF	LDT2	2.1510e-003	1.9110e-003
tblVehicleEF	LDT2	2.3580e-003	1.8910e-003
tblVehicleEF	LDT2	1.9790e-003	1.7590e-003
tblVehicleEF	LDT2	2.1690e-003	1.7390e-003
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.11	0.13
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.48

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tblVehicleEF	LDT2	0.09	0.32
tblVehicleEF	LDT2	3.7630e-003	3.3320e-003
tblVehicleEF	LDT2	8.0400e-004	6.7700e-004
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.11	0.13
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.07	0.48
tblVehicleEF	LDT2	0.10	0.35
tblVehicleEF	LHD1	5.5970e-003	5.6110e-003
tblVehicleEF	LHD1	0.01	5.6770e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.19
tblVehicleEF	LHD1	0.84	0.65
tblVehicleEF	LHD1	2.79	1.14
tblVehicleEF	LHD1	8.92	8.88
tblVehicleEF	LHD1	603.81	667.04
tblVehicleEF	LHD1	33.34	12.48
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.95	0.63
tblVehicleEF	LHD1	1.01	0.34
tblVehicleEF	LHD1	8.2600e-004	7.5000e-004
tblVehicleEF	LHD1	0.01	9.6680e-003
tblVehicleEF	LHD1	9.1270e-003	6.2840e-003
tblVehicleEF	LHD1	1.0140e-003	2.8500e-004
tblVehicleEF	LHD1	7.9000e-004	7.1700e-004
tblVehicleEF	LHD1	2.5160e-003	2.4170e-003

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tblVehicleEF	LHD1	8.7050e-003	5.9830e-003
tblVehicleEF	LHD1	9.3300e-004	2.6200e-004
tblVehicleEF	LHD1	3.1460e-003	2.5540e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.9140e-003	1.5610e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.31	0.55
tblVehicleEF	LHD1	0.27	0.08
tblVehicleEF	LHD1	9.0000e-005	8.6000e-005
tblVehicleEF	LHD1	5.9300e-003	6.5150e-003
tblVehicleEF	LHD1	3.8500e-004	1.2400e-004
tblVehicleEF	LHD1	3.1460e-003	2.5540e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.9140e-003	1.5610e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.31	0.55
tblVehicleEF	LHD1	0.29	0.09
tblVehicleEF	LHD1	5.5970e-003	5.6230e-003
tblVehicleEF	LHD1	0.01	5.7930e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.19
tblVehicleEF	LHD1	0.85	0.66
tblVehicleEF	LHD1	2.66	1.09
tblVehicleEF	LHD1	8.92	8.88
tblVehicleEF	LHD1	603.81	667.06

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tblVehicleEF	LHD1	33.34	12.39
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.89	0.59
tblVehicleEF	LHD1	0.96	0.32
tblVehicleEF	LHD1	8.2600e-004	7.5000e-004
tblVehicleEF	LHD1	0.01	9.6680e-003
tblVehicleEF	LHD1	9.1270e-003	6.2840e-003
tblVehicleEF	LHD1	1.0140e-003	2.8500e-004
tblVehicleEF	LHD1	7.9000e-004	7.1700e-004
tblVehicleEF	LHD1	2.5160e-003	2.4170e-003
tblVehicleEF	LHD1	8.7050e-003	5.9830e-003
tblVehicleEF	LHD1	9.3300e-004	2.6200e-004
tblVehicleEF	LHD1	4.7100e-003	3.7600e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.6900e-003	2.1600e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.30	0.53
tblVehicleEF	LHD1	0.26	0.08
tblVehicleEF	LHD1	9.0000e-005	8.6000e-005
tblVehicleEF	LHD1	5.9310e-003	6.5150e-003
tblVehicleEF	LHD1	3.8300e-004	1.2300e-004
tblVehicleEF	LHD1	4.7100e-003	3.7600e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	2.6900e-003	2.1600e-003
tblVehicleEF	LHD1	0.08	0.06

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tblVehicleEF	LHD1	0.30	0.53
tblVehicleEF	LHD1	0.28	0.08
tblVehicleEF	LHD1	5.5970e-003	5.6090e-003
tblVehicleEF	LHD1	0.01	5.6460e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.19
tblVehicleEF	LHD1	0.83	0.64
tblVehicleEF	LHD1	2.81	1.15
tblVehicleEF	LHD1	8.92	8.88
tblVehicleEF	LHD1	603.81	667.03
tblVehicleEF	LHD1	33.34	12.50
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.94	0.62
tblVehicleEF	LHD1	1.01	0.34
tblVehicleEF	LHD1	8.2600e-004	7.5000e-004
tblVehicleEF	LHD1	0.01	9.6680e-003
tblVehicleEF	LHD1	9.1270e-003	6.2840e-003
tblVehicleEF	LHD1	1.0140e-003	2.8500e-004
tblVehicleEF	LHD1	7.9000e-004	7.1700e-004
tblVehicleEF	LHD1	2.5160e-003	2.4170e-003
tblVehicleEF	LHD1	8.7050e-003	5.9830e-003
tblVehicleEF	LHD1	9.3300e-004	2.6200e-004
tblVehicleEF	LHD1	3.3080e-003	2.6900e-003
tblVehicleEF	LHD1	0.12	0.09
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.8850e-003	1.5400e-003
tblVehicleEF	LHD1	0.06	0.05

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tblVehicleEF	LHD1	0.33	0.60
tblVehicleEF	LHD1	0.27	0.08
tblVehicleEF	LHD1	9.0000e-005	8.6000e-005
tblVehicleEF	LHD1	5.9300e-003	6.5150e-003
tblVehicleEF	LHD1	3.8600e-004	1.2400e-004
tblVehicleEF	LHD1	3.3080e-003	2.6900e-003
tblVehicleEF	LHD1	0.12	0.09
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.8850e-003	1.5400e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.33	0.60
tblVehicleEF	LHD1	0.29	0.09
tblVehicleEF	LHD2	4.0020e-003	3.9440e-003
tblVehicleEF	LHD2	4.2980e-003	3.9460e-003
tblVehicleEF	LHD2	8.5190e-003	0.01
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.34	0.44
tblVehicleEF	LHD2	1.37	0.77
tblVehicleEF	LHD2	13.57	13.40
tblVehicleEF	LHD2	617.83	668.37
tblVehicleEF	LHD2	27.88	9.65
tblVehicleEF	LHD2	0.09	0.08
tblVehicleEF	LHD2	0.65	0.81
tblVehicleEF	LHD2	0.55	0.23
tblVehicleEF	LHD2	1.1620e-003	1.2440e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8510e-003	9.8680e-003

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tblVehicleEF	LHD2	4.6900e-004	1.6300e-004
tblVehicleEF	LHD2	1.1110e-003	1.1900e-003
tblVehicleEF	LHD2	2.6540e-003	2.6300e-003
tblVehicleEF	LHD2	8.4540e-003	9.4240e-003
tblVehicleEF	LHD2	4.3100e-004	1.5000e-004
tblVehicleEF	LHD2	1.1380e-003	1.5770e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.4500e-004	9.7800e-004
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.08	0.35
tblVehicleEF	LHD2	0.11	0.06
tblVehicleEF	LHD2	1.3300e-004	1.2900e-004
tblVehicleEF	LHD2	6.0210e-003	6.4710e-003
tblVehicleEF	LHD2	3.0400e-004	9.5000e-005
tblVehicleEF	LHD2	1.1380e-003	1.5770e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.4500e-004	9.7800e-004
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.08	0.35
tblVehicleEF	LHD2	0.13	0.06
tblVehicleEF	LHD2	4.0020e-003	3.9530e-003
tblVehicleEF	LHD2	4.3570e-003	3.9910e-003
tblVehicleEF	LHD2	8.2260e-003	0.01
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.35	0.44

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tblVehicleEF	LHD2	1.31	0.74
tblVehicleEF	LHD2	13.57	13.40
tblVehicleEF	LHD2	617.83	668.38
tblVehicleEF	LHD2	27.88	9.59
tblVehicleEF	LHD2	0.09	0.08
tblVehicleEF	LHD2	0.61	0.76
tblVehicleEF	LHD2	0.53	0.22
tblVehicleEF	LHD2	1.1620e-003	1.2440e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8510e-003	9.8680e-003
tblVehicleEF	LHD2	4.6900e-004	1.6300e-004
tblVehicleEF	LHD2	1.1110e-003	1.1900e-003
tblVehicleEF	LHD2	2.6540e-003	2.6300e-003
tblVehicleEF	LHD2	8.4540e-003	9.4240e-003
tblVehicleEF	LHD2	4.3100e-004	1.5000e-004
tblVehicleEF	LHD2	1.6960e-003	2.3210e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.0400e-003	1.3550e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.08	0.34
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	1.3300e-004	1.2900e-004
tblVehicleEF	LHD2	6.0210e-003	6.4710e-003
tblVehicleEF	LHD2	3.0300e-004	9.5000e-005
tblVehicleEF	LHD2	1.6960e-003	2.3210e-003
tblVehicleEF	LHD2	0.04	0.06

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tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.0400e-003	1.3550e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.08	0.34
tblVehicleEF	LHD2	0.12	0.06
tblVehicleEF	LHD2	4.0020e-003	3.9420e-003
tblVehicleEF	LHD2	4.2820e-003	3.9330e-003
tblVehicleEF	LHD2	8.5780e-003	0.01
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.34	0.43
tblVehicleEF	LHD2	1.38	0.78
tblVehicleEF	LHD2	13.57	13.40
tblVehicleEF	LHD2	617.83	668.37
tblVehicleEF	LHD2	27.88	9.66
tblVehicleEF	LHD2	0.09	0.08
tblVehicleEF	LHD2	0.64	0.80
tblVehicleEF	LHD2	0.56	0.24
tblVehicleEF	LHD2	1.1620e-003	1.2440e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8510e-003	9.8680e-003
tblVehicleEF	LHD2	4.6900e-004	1.6300e-004
tblVehicleEF	LHD2	1.1110e-003	1.1900e-003
tblVehicleEF	LHD2	2.6540e-003	2.6300e-003
tblVehicleEF	LHD2	8.4540e-003	9.4240e-003
tblVehicleEF	LHD2	4.3100e-004	1.5000e-004
tblVehicleEF	LHD2	1.1610e-003	1.6340e-003
tblVehicleEF	LHD2	0.04	0.06

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tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.2300e-004	9.5000e-004
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.09	0.39
tblVehicleEF	LHD2	0.12	0.06
tblVehicleEF	LHD2	1.3300e-004	1.2900e-004
tblVehicleEF	LHD2	6.0210e-003	6.4710e-003
tblVehicleEF	LHD2	3.0400e-004	9.6000e-005
tblVehicleEF	LHD2	1.1610e-003	1.6340e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.2300e-004	9.5000e-004
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.09	0.39
tblVehicleEF	LHD2	0.13	0.06
tblVehicleEF	MCY	0.54	0.38
tblVehicleEF	MCY	0.15	0.23
tblVehicleEF	MCY	18.94	19.11
tblVehicleEF	MCY	9.66	8.52
tblVehicleEF	MCY	188.92	223.68
tblVehicleEF	MCY	44.52	59.56
tblVehicleEF	MCY	1.13	1.13
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	2.4360e-003	2.4430e-003
tblVehicleEF	MCY	3.8630e-003	3.2940e-003
tblVehicleEF	MCY	2.2770e-003	2.2830e-003
tblVehicleEF	MCY	3.6360e-003	3.1000e-003

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tblVehicleEF	MCY	1.06	1.08
tblVehicleEF	MCY	0.63	0.65
tblVehicleEF	MCY	0.65	0.66
tblVehicleEF	MCY	2.60	2.61
tblVehicleEF	MCY	0.60	1.98
tblVehicleEF	MCY	2.05	1.81
tblVehicleEF	MCY	2.2780e-003	2.2130e-003
tblVehicleEF	MCY	6.6300e-004	5.8900e-004
tblVehicleEF	MCY	1.06	1.08
tblVehicleEF	MCY	0.63	0.65
tblVehicleEF	MCY	0.65	0.66
tblVehicleEF	MCY	3.23	3.25
tblVehicleEF	MCY	0.60	1.98
tblVehicleEF	MCY	2.23	1.97
tblVehicleEF	MCY	0.53	0.37
tblVehicleEF	MCY	0.13	0.21
tblVehicleEF	MCY	18.24	18.37
tblVehicleEF	MCY	8.82	7.76
tblVehicleEF	MCY	188.92	222.28
tblVehicleEF	MCY	44.52	57.67
tblVehicleEF	MCY	0.99	0.99
tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	2.4360e-003	2.4430e-003
tblVehicleEF	MCY	3.8630e-003	3.2940e-003
tblVehicleEF	MCY	2.2770e-003	2.2830e-003
tblVehicleEF	MCY	3.6360e-003	3.1000e-003
tblVehicleEF	MCY	1.73	1.72

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tblVehicleEF	MCY	0.70	0.71
tblVehicleEF	MCY	1.07	1.07
tblVehicleEF	MCY	2.54	2.55
tblVehicleEF	MCY	0.56	1.86
tblVehicleEF	MCY	1.83	1.61
tblVehicleEF	MCY	2.2650e-003	2.2000e-003
tblVehicleEF	MCY	6.4300e-004	5.7100e-004
tblVehicleEF	MCY	1.73	1.72
tblVehicleEF	MCY	0.70	0.71
tblVehicleEF	MCY	1.07	1.07
tblVehicleEF	MCY	3.16	3.17
tblVehicleEF	MCY	0.56	1.86
tblVehicleEF	MCY	1.99	1.75
tblVehicleEF	MCY	0.54	0.38
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	19.04	19.25
tblVehicleEF	MCY	9.80	8.66
tblVehicleEF	MCY	188.92	223.96
tblVehicleEF	MCY	44.52	59.94
tblVehicleEF	MCY	1.11	1.11
tblVehicleEF	MCY	0.31	0.27
tblVehicleEF	MCY	2.4360e-003	2.4430e-003
tblVehicleEF	MCY	3.8630e-003	3.2940e-003
tblVehicleEF	MCY	2.2770e-003	2.2830e-003
tblVehicleEF	MCY	3.6360e-003	3.1000e-003
tblVehicleEF	MCY	1.16	1.18
tblVehicleEF	MCY	0.82	0.84

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tblVehicleEF	MCY	0.62	0.64
tblVehicleEF	MCY	2.61	2.63
tblVehicleEF	MCY	0.69	2.28
tblVehicleEF	MCY	2.09	1.86
tblVehicleEF	MCY	2.2800e-003	2.2160e-003
tblVehicleEF	MCY	6.6700e-004	5.9300e-004
tblVehicleEF	MCY	1.16	1.18
tblVehicleEF	MCY	0.82	0.84
tblVehicleEF	MCY	0.62	0.64
tblVehicleEF	MCY	3.25	3.26
tblVehicleEF	MCY	0.69	2.28
tblVehicleEF	MCY	2.28	2.02
tblVehicleEF	MDV	0.01	6.5350e-003
tblVehicleEF	MDV	0.01	0.08
tblVehicleEF	MDV	1.33	1.22
tblVehicleEF	MDV	2.48	3.10
tblVehicleEF	MDV	512.22	421.49
tblVehicleEF	MDV	103.14	83.59
tblVehicleEF	MDV	0.15	0.11
tblVehicleEF	MDV	0.22	0.34
tblVehicleEF	MDV	2.3560e-003	2.0880e-003
tblVehicleEF	MDV	2.5140e-003	2.0610e-003
tblVehicleEF	MDV	2.1720e-003	1.9250e-003
tblVehicleEF	MDV	2.3120e-003	1.8950e-003
tblVehicleEF	MDV	0.07	0.08
tblVehicleEF	MDV	0.15	0.14
tblVehicleEF	MDV	0.07	0.09

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tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.09	0.43
tblVehicleEF	MDV	0.19	0.40
tblVehicleEF	MDV	5.1310e-003	4.1410e-003
tblVehicleEF	MDV	1.0750e-003	8.2200e-004
tblVehicleEF	MDV	0.07	0.08
tblVehicleEF	MDV	0.15	0.14
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.09	0.43
tblVehicleEF	MDV	0.21	0.44
tblVehicleEF	MDV	0.01	6.9310e-003
tblVehicleEF	MDV	0.01	0.07
tblVehicleEF	MDV	1.45	1.32
tblVehicleEF	MDV	2.12	2.63
tblVehicleEF	MDV	534.67	433.96
tblVehicleEF	MDV	103.14	82.70
tblVehicleEF	MDV	0.13	0.10
tblVehicleEF	MDV	0.20	0.32
tblVehicleEF	MDV	2.3560e-003	2.0880e-003
tblVehicleEF	MDV	2.5140e-003	2.0610e-003
tblVehicleEF	MDV	2.1720e-003	1.9250e-003
tblVehicleEF	MDV	2.3120e-003	1.8950e-003
tblVehicleEF	MDV	0.10	0.13
tblVehicleEF	MDV	0.16	0.14
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.04	0.03

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tblVehicleEF	MDV	0.08	0.40
tblVehicleEF	MDV	0.17	0.36
tblVehicleEF	MDV	5.3570e-003	4.2630e-003
tblVehicleEF	MDV	1.0680e-003	8.1300e-004
tblVehicleEF	MDV	0.10	0.13
tblVehicleEF	MDV	0.16	0.15
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.08	0.40
tblVehicleEF	MDV	0.18	0.39
tblVehicleEF	MDV	0.01	6.4070e-003
tblVehicleEF	MDV	0.01	0.08
tblVehicleEF	MDV	1.29	1.18
tblVehicleEF	MDV	2.56	3.21
tblVehicleEF	MDV	503.99	416.89
tblVehicleEF	MDV	103.14	83.79
tblVehicleEF	MDV	0.14	0.11
tblVehicleEF	MDV	0.22	0.35
tblVehicleEF	MDV	2.3560e-003	2.0880e-003
tblVehicleEF	MDV	2.5140e-003	2.0610e-003
tblVehicleEF	MDV	2.1720e-003	1.9250e-003
tblVehicleEF	MDV	2.3120e-003	1.8950e-003
tblVehicleEF	MDV	0.06	0.08
tblVehicleEF	MDV	0.16	0.15
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.10	0.50

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tblVehicleEF	MDV	0.19	0.41
tblVehicleEF	MDV	5.0480e-003	4.0950e-003
tblVehicleEF	MDV	1.0760e-003	8.2400e-004
tblVehicleEF	MDV	0.06	0.08
tblVehicleEF	MDV	0.16	0.15
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.10	0.50
tblVehicleEF	MDV	0.21	0.45
tblVehicleEF	MH	0.03	3.1210e-003
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	2.24	0.27
tblVehicleEF	MH	5.78	0.00
tblVehicleEF	MH	1,130.03	965.33
tblVehicleEF	MH	60.43	0.00
tblVehicleEF	MH	1.08	3.43
tblVehicleEF	MH	0.80	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.02	0.07
tblVehicleEF	MH	1.1280e-003	0.00
tblVehicleEF	MH	3.2020e-003	4.0000e-003
tblVehicleEF	MH	0.02	0.07
tblVehicleEF	MH	1.0370e-003	0.00
tblVehicleEF	MH	0.95	0.00
tblVehicleEF	MH	0.07	0.00
tblVehicleEF	MH	0.41	0.00
tblVehicleEF	MH	0.09	0.07

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tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.33	0.00
tblVehicleEF	MH	0.01	9.1260e-003
tblVehicleEF	MH	7.0500e-004	0.00
tblVehicleEF	MH	0.95	0.00
tblVehicleEF	MH	0.07	0.00
tblVehicleEF	MH	0.41	0.00
tblVehicleEF	MH	0.12	0.08
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.36	0.00
tblVehicleEF	MH	0.03	3.1210e-003
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	2.30	0.27
tblVehicleEF	MH	5.44	0.00
tblVehicleEF	MH	1,130.03	965.33
tblVehicleEF	MH	60.43	0.00
tblVehicleEF	MH	0.99	3.24
tblVehicleEF	MH	0.76	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.02	0.07
tblVehicleEF	MH	1.1280e-003	0.00
tblVehicleEF	MH	3.2020e-003	4.0000e-003
tblVehicleEF	MH	0.02	0.07
tblVehicleEF	MH	1.0370e-003	0.00
tblVehicleEF	MH	1.41	0.00
tblVehicleEF	MH	0.07	0.00
tblVehicleEF	MH	0.58	0.00

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tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.31	0.00
tblVehicleEF	MH	0.01	9.1260e-003
tblVehicleEF	MH	6.9900e-004	0.00
tblVehicleEF	MH	1.41	0.00
tblVehicleEF	MH	0.07	0.00
tblVehicleEF	MH	0.58	0.00
tblVehicleEF	MH	0.12	0.08
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.34	0.00
tblVehicleEF	MH	0.03	3.1210e-003
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	2.22	0.27
tblVehicleEF	MH	5.83	0.00
tblVehicleEF	MH	1,130.03	965.33
tblVehicleEF	MH	60.43	0.00
tblVehicleEF	MH	1.06	3.37
tblVehicleEF	MH	0.80	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.02	0.07
tblVehicleEF	MH	1.1280e-003	0.00
tblVehicleEF	MH	3.2020e-003	4.0000e-003
tblVehicleEF	MH	0.02	0.07
tblVehicleEF	MH	1.0370e-003	0.00
tblVehicleEF	MH	1.08	0.00
tblVehicleEF	MH	0.08	0.00

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tblVehicleEF	MH	0.42	0.00
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.33	0.00
tblVehicleEF	MH	0.01	9.1260e-003
tblVehicleEF	MH	7.0600e-004	0.00
tblVehicleEF	MH	1.08	0.00
tblVehicleEF	MH	0.08	0.00
tblVehicleEF	MH	0.42	0.00
tblVehicleEF	MH	0.12	0.08
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.36	0.00
tblVehicleEF	MHD	0.02	4.4240e-003
tblVehicleEF	MHD	4.8560e-003	4.6020e-003
tblVehicleEF	MHD	0.05	0.01
tblVehicleEF	MHD	0.37	0.39
tblVehicleEF	MHD	0.37	0.47
tblVehicleEF	MHD	6.14	1.44
tblVehicleEF	MHD	132.92	67.32
tblVehicleEF	MHD	1,150.98	1,070.87
tblVehicleEF	MHD	63.58	12.17
tblVehicleEF	MHD	0.49	0.47
tblVehicleEF	MHD	1.14	1.63
tblVehicleEF	MHD	9.96	1.29
tblVehicleEF	MHD	2.4800e-004	1.0730e-003
tblVehicleEF	MHD	5.1090e-003	0.03
tblVehicleEF	MHD	8.4300e-004	1.3800e-004

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tblVehicleEF	MHD	2.3800e-004	1.0270e-003
tblVehicleEF	MHD	4.8830e-003	0.03
tblVehicleEF	MHD	7.7600e-004	1.2700e-004
tblVehicleEF	MHD	1.1350e-003	6.6800e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	7.4200e-004	4.3000e-004
tblVehicleEF	MHD	0.05	0.06
tblVehicleEF	MHD	0.02	0.14
tblVehicleEF	MHD	0.37	0.07
tblVehicleEF	MHD	1.2810e-003	6.4000e-004
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.4300e-004	1.2000e-004
tblVehicleEF	MHD	1.1350e-003	6.6800e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	7.4200e-004	4.3000e-004
tblVehicleEF	MHD	0.05	0.07
tblVehicleEF	MHD	0.02	0.14
tblVehicleEF	MHD	0.41	0.07
tblVehicleEF	MHD	0.02	4.1930e-003
tblVehicleEF	MHD	4.9280e-003	4.6540e-003
tblVehicleEF	MHD	0.05	0.01
tblVehicleEF	MHD	0.27	0.32
tblVehicleEF	MHD	0.38	0.48
tblVehicleEF	MHD	5.83	1.36
tblVehicleEF	MHD	140.78	68.14

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tblVehicleEF	MHD	1,150.98	1,070.88
tblVehicleEF	MHD	63.58	12.05
tblVehicleEF	MHD	0.51	0.48
tblVehicleEF	MHD	1.08	1.54
tblVehicleEF	MHD	9.92	1.28
tblVehicleEF	MHD	2.0900e-004	9.0700e-004
tblVehicleEF	MHD	5.1090e-003	0.03
tblVehicleEF	MHD	8.4300e-004	1.3800e-004
tblVehicleEF	MHD	2.0000e-004	8.6800e-004
tblVehicleEF	MHD	4.8830e-003	0.03
tblVehicleEF	MHD	7.7600e-004	1.2700e-004
tblVehicleEF	MHD	1.7000e-003	9.9300e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	1.0480e-003	6.0400e-004
tblVehicleEF	MHD	0.05	0.06
tblVehicleEF	MHD	0.02	0.14
tblVehicleEF	MHD	0.36	0.06
tblVehicleEF	MHD	1.3550e-003	6.4800e-004
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.3800e-004	1.1900e-004
tblVehicleEF	MHD	1.7000e-003	9.9300e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	1.0480e-003	6.0400e-004
tblVehicleEF	MHD	0.06	0.07
tblVehicleEF	MHD	0.02	0.14

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tblVehicleEF	MHD	0.39	0.07
tblVehicleEF	MHD	0.02	4.7550e-003
tblVehicleEF	MHD	4.8360e-003	4.5850e-003
tblVehicleEF	MHD	0.05	0.01
tblVehicleEF	MHD	0.52	0.49
tblVehicleEF	MHD	0.37	0.47
tblVehicleEF	MHD	6.20	1.45
tblVehicleEF	MHD	122.05	66.18
tblVehicleEF	MHD	1,150.98	1,070.87
tblVehicleEF	MHD	63.58	12.19
tblVehicleEF	MHD	0.47	0.47
tblVehicleEF	MHD	1.12	1.60
tblVehicleEF	MHD	9.97	1.29
tblVehicleEF	MHD	3.0200e-004	1.3020e-003
tblVehicleEF	MHD	5.1090e-003	0.03
tblVehicleEF	MHD	8.4300e-004	1.3800e-004
tblVehicleEF	MHD	2.8900e-004	1.2460e-003
tblVehicleEF	MHD	4.8830e-003	0.03
tblVehicleEF	MHD	7.7600e-004	1.2700e-004
tblVehicleEF	MHD	1.1690e-003	6.9100e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	7.2400e-004	4.2100e-004
tblVehicleEF	MHD	0.05	0.06
tblVehicleEF	MHD	0.02	0.16
tblVehicleEF	MHD	0.38	0.07
tblVehicleEF	MHD	1.1790e-003	6.2900e-004

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tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.4400e-004	1.2100e-004
tblVehicleEF	MHD	1.1690e-003	6.9100e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	7.2400e-004	4.2100e-004
tblVehicleEF	MHD	0.05	0.07
tblVehicleEF	MHD	0.02	0.16
tblVehicleEF	MHD	0.41	0.07
tblVehicleEF	OBUS	0.01	8.4750e-003
tblVehicleEF	OBUS	7.7220e-003	6.9630e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.28	0.60
tblVehicleEF	OBUS	0.53	0.78
tblVehicleEF	OBUS	5.41	2.39
tblVehicleEF	OBUS	112.13	94.21
tblVehicleEF	OBUS	1,260.49	1,391.50
tblVehicleEF	OBUS	67.92	19.24
tblVehicleEF	OBUS	0.51	0.46
tblVehicleEF	OBUS	1.55	1.57
tblVehicleEF	OBUS	2.60	0.75
tblVehicleEF	OBUS	1.1400e-004	7.8900e-004
tblVehicleEF	OBUS	7.4300e-003	0.02
tblVehicleEF	OBUS	8.0700e-004	1.9700e-004
tblVehicleEF	OBUS	1.0900e-004	7.5500e-004
tblVehicleEF	OBUS	7.0930e-003	0.02
tblVehicleEF	OBUS	7.4200e-004	1.8100e-004

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tblVehicleEF	OBUS	1.4340e-003	1.8390e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	7.6800e-004	9.4100e-004
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	0.04	0.26
tblVehicleEF	OBUS	0.34	0.11
tblVehicleEF	OBUS	1.0820e-003	8.9600e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.7400e-004	1.9000e-004
tblVehicleEF	OBUS	1.4340e-003	1.8390e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	7.6800e-004	9.4100e-004
tblVehicleEF	OBUS	0.08	0.08
tblVehicleEF	OBUS	0.04	0.26
tblVehicleEF	OBUS	0.37	0.13
tblVehicleEF	OBUS	0.01	8.5340e-003
tblVehicleEF	OBUS	7.8490e-003	7.0850e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.27	0.58
tblVehicleEF	OBUS	0.54	0.80
tblVehicleEF	OBUS	5.11	2.26
tblVehicleEF	OBUS	117.81	94.08
tblVehicleEF	OBUS	1,260.49	1,391.52
tblVehicleEF	OBUS	67.92	19.02
tblVehicleEF	OBUS	0.53	0.45

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tblVehicleEF	OBUS	1.46	1.48
tblVehicleEF	OBUS	2.57	0.74
tblVehicleEF	OBUS	9.6000e-005	6.7100e-004
tblVehicleEF	OBUS	7.4300e-003	0.02
tblVehicleEF	OBUS	8.0700e-004	1.9700e-004
tblVehicleEF	OBUS	9.2000e-005	6.4200e-004
tblVehicleEF	OBUS	7.0930e-003	0.02
tblVehicleEF	OBUS	7.4200e-004	1.8100e-004
tblVehicleEF	OBUS	2.1010e-003	2.6500e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	1.0830e-003	1.3070e-003
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	0.04	0.26
tblVehicleEF	OBUS	0.32	0.11
tblVehicleEF	OBUS	1.1360e-003	8.9500e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.6900e-004	1.8800e-004
tblVehicleEF	OBUS	2.1010e-003	2.6500e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	1.0830e-003	1.3070e-003
tblVehicleEF	OBUS	0.08	0.08
tblVehicleEF	OBUS	0.04	0.26
tblVehicleEF	OBUS	0.35	0.12
tblVehicleEF	OBUS	0.01	8.4130e-003
tblVehicleEF	OBUS	7.6880e-003	6.9290e-003

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tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.30	0.61
tblVehicleEF	OBUS	0.53	0.78
tblVehicleEF	OBUS	5.47	2.42
tblVehicleEF	OBUS	104.30	94.40
tblVehicleEF	OBUS	1,260.49	1,391.49
tblVehicleEF	OBUS	67.92	19.29
tblVehicleEF	OBUS	0.49	0.47
tblVehicleEF	OBUS	1.52	1.55
tblVehicleEF	OBUS	2.61	0.76
tblVehicleEF	OBUS	1.3900e-004	9.5300e-004
tblVehicleEF	OBUS	7.4300e-003	0.02
tblVehicleEF	OBUS	8.0700e-004	1.9700e-004
tblVehicleEF	OBUS	1.3300e-004	9.1200e-004
tblVehicleEF	OBUS	7.0930e-003	0.02
tblVehicleEF	OBUS	7.4200e-004	1.8100e-004
tblVehicleEF	OBUS	1.4690e-003	1.9220e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	7.4700e-004	9.2400e-004
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	0.04	0.28
tblVehicleEF	OBUS	0.34	0.12
tblVehicleEF	OBUS	1.0070e-003	8.9800e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.7500e-004	1.9100e-004
tblVehicleEF	OBUS	1.4690e-003	1.9220e-003

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tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.06	0.07
tblVehicleEF	OBUS	7.4700e-004	9.2400e-004
tblVehicleEF	OBUS	0.08	0.08
tblVehicleEF	OBUS	0.04	0.28
tblVehicleEF	OBUS	0.37	0.13
tblVehicleEF	SBUS	0.84	0.07
tblVehicleEF	SBUS	0.01	7.0600e-003
tblVehicleEF	SBUS	0.06	6.7770e-003
tblVehicleEF	SBUS	8.15	2.99
tblVehicleEF	SBUS	0.72	0.60
tblVehicleEF	SBUS	7.31	0.93
tblVehicleEF	SBUS	1,121.00	354.63
tblVehicleEF	SBUS	1,079.30	1,100.97
tblVehicleEF	SBUS	55.06	5.73
tblVehicleEF	SBUS	9.20	3.14
tblVehicleEF	SBUS	4.17	4.65
tblVehicleEF	SBUS	12.12	0.90
tblVehicleEF	SBUS	9.3410e-003	3.9540e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	8.1500e-004	5.5000e-005
tblVehicleEF	SBUS	8.9370e-003	3.7830e-003
tblVehicleEF	SBUS	2.6670e-003	2.6630e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	7.5000e-004	5.1000e-005
tblVehicleEF	SBUS	3.3650e-003	9.8900e-004

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tblVehicleEF	SBUS	0.03	8.5880e-003
tblVehicleEF	SBUS	0.97	0.34
tblVehicleEF	SBUS	1.7650e-003	5.2700e-004
tblVehicleEF	SBUS	0.10	0.09
tblVehicleEF	SBUS	0.01	0.06
tblVehicleEF	SBUS	0.38	0.04
tblVehicleEF	SBUS	0.01	3.3860e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.7700e-004	5.7000e-005
tblVehicleEF	SBUS	3.3650e-003	9.8900e-004
tblVehicleEF	SBUS	0.03	8.5880e-003
tblVehicleEF	SBUS	1.40	0.49
tblVehicleEF	SBUS	1.7650e-003	5.2700e-004
tblVehicleEF	SBUS	0.13	0.11
tblVehicleEF	SBUS	0.01	0.06
tblVehicleEF	SBUS	0.42	0.04
tblVehicleEF	SBUS	0.84	0.07
tblVehicleEF	SBUS	0.01	7.1400e-003
tblVehicleEF	SBUS	0.06	6.0470e-003
tblVehicleEF	SBUS	8.04	2.95
tblVehicleEF	SBUS	0.73	0.61
tblVehicleEF	SBUS	5.94	0.76
tblVehicleEF	SBUS	1,171.46	362.29
tblVehicleEF	SBUS	1,079.30	1,100.99
tblVehicleEF	SBUS	55.06	5.44
tblVehicleEF	SBUS	9.50	3.21
tblVehicleEF	SBUS	3.93	4.39

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tblVehicleEF	SBUS	12.09	0.90
tblVehicleEF	SBUS	7.8750e-003	3.3400e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	8.1500e-004	5.5000e-005
tblVehicleEF	SBUS	7.5340e-003	3.1960e-003
tblVehicleEF	SBUS	2.6670e-003	2.6630e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	7.5000e-004	5.1000e-005
tblVehicleEF	SBUS	4.9570e-003	1.4290e-003
tblVehicleEF	SBUS	0.03	8.7250e-003
tblVehicleEF	SBUS	0.97	0.34
tblVehicleEF	SBUS	2.5080e-003	7.3100e-004
tblVehicleEF	SBUS	0.10	0.09
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.34	0.03
tblVehicleEF	SBUS	0.01	3.4580e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.5400e-004	5.4000e-005
tblVehicleEF	SBUS	4.9570e-003	1.4290e-003
tblVehicleEF	SBUS	0.03	8.7250e-003
tblVehicleEF	SBUS	1.40	0.49
tblVehicleEF	SBUS	2.5080e-003	7.3100e-004
tblVehicleEF	SBUS	0.13	0.11
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.37	0.04
tblVehicleEF	SBUS	0.84	0.07

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tblVehicleEF	SBUS	0.01	7.0350e-003
tblVehicleEF	SBUS	0.07	6.9450e-003
tblVehicleEF	SBUS	8.31	3.04
tblVehicleEF	SBUS	0.72	0.60
tblVehicleEF	SBUS	7.56	0.96
tblVehicleEF	SBUS	1,051.30	344.05
tblVehicleEF	SBUS	1,079.30	1,100.97
tblVehicleEF	SBUS	55.06	5.78
tblVehicleEF	SBUS	8.80	3.05
tblVehicleEF	SBUS	4.10	4.57
tblVehicleEF	SBUS	12.13	0.90
tblVehicleEF	SBUS	0.01	4.8000e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	8.1500e-004	5.5000e-005
tblVehicleEF	SBUS	0.01	4.5930e-003
tblVehicleEF	SBUS	2.6670e-003	2.6630e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	7.5000e-004	5.1000e-005
tblVehicleEF	SBUS	3.4320e-003	1.0030e-003
tblVehicleEF	SBUS	0.03	9.0230e-003
tblVehicleEF	SBUS	0.98	0.34
tblVehicleEF	SBUS	1.6940e-003	5.0600e-004
tblVehicleEF	SBUS	0.10	0.09
tblVehicleEF	SBUS	0.02	0.07
tblVehicleEF	SBUS	0.39	0.04
tblVehicleEF	SBUS	0.01	3.2860e-003

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tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.8100e-004	5.7000e-005
tblVehicleEF	SBUS	3.4320e-003	1.0030e-003
tblVehicleEF	SBUS	0.03	9.0230e-003
tblVehicleEF	SBUS	1.41	0.49
tblVehicleEF	SBUS	1.6940e-003	5.0600e-004
tblVehicleEF	SBUS	0.13	0.11
tblVehicleEF	SBUS	0.02	0.07
tblVehicleEF	SBUS	0.43	0.04
tblVehicleEF	UBUS	2.61	5.85
tblVehicleEF	UBUS	0.05	0.01
tblVehicleEF	UBUS	11.22	45.42
tblVehicleEF	UBUS	8.87	0.71
tblVehicleEF	UBUS	1,968.89	1,991.58
tblVehicleEF	UBUS	96.56	8.61
tblVehicleEF	UBUS	9.98	0.47
tblVehicleEF	UBUS	15.36	0.08
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.13	3.1840e-003
tblVehicleEF	UBUS	1.0870e-003	4.6000e-005
tblVehicleEF	UBUS	0.26	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9690e-003
tblVehicleEF	UBUS	0.13	3.0430e-003
tblVehicleEF	UBUS	9.9900e-004	4.3000e-005
tblVehicleEF	UBUS	4.1440e-003	6.6500e-004
tblVehicleEF	UBUS	0.07	8.4730e-003

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tblVehicleEF	UBUS	2.3870e-003	4.9100e-004
tblVehicleEF	UBUS	0.85	0.09
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.68	0.05
tblVehicleEF	UBUS	9.8600e-003	1.4410e-003
tblVehicleEF	UBUS	1.1250e-003	8.5000e-005
tblVehicleEF	UBUS	4.1440e-003	6.6500e-004
tblVehicleEF	UBUS	0.07	8.4730e-003
tblVehicleEF	UBUS	2.3870e-003	4.9100e-004
tblVehicleEF	UBUS	3.56	5.97
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.74	0.05
tblVehicleEF	UBUS	2.61	5.85
tblVehicleEF	UBUS	0.05	0.01
tblVehicleEF	UBUS	11.27	45.42
tblVehicleEF	UBUS	7.69	0.63
tblVehicleEF	UBUS	1,968.89	1,991.58
tblVehicleEF	UBUS	96.56	8.46
tblVehicleEF	UBUS	9.41	0.47
tblVehicleEF	UBUS	15.31	0.08
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.13	3.1840e-003
tblVehicleEF	UBUS	1.0870e-003	4.6000e-005
tblVehicleEF	UBUS	0.26	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9690e-003
tblVehicleEF	UBUS	0.13	3.0430e-003

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tblVehicleEF	UBUS	9.9900e-004	4.3000e-005
tblVehicleEF	UBUS	5.9080e-003	9.6200e-004
tblVehicleEF	UBUS	0.07	8.7330e-003
tblVehicleEF	UBUS	3.2830e-003	6.7600e-004
tblVehicleEF	UBUS	0.86	0.09
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.62	0.04
tblVehicleEF	UBUS	9.8610e-003	1.4410e-003
tblVehicleEF	UBUS	1.1050e-003	8.4000e-005
tblVehicleEF	UBUS	5.9080e-003	9.6200e-004
tblVehicleEF	UBUS	0.07	8.7330e-003
tblVehicleEF	UBUS	3.2830e-003	6.7600e-004
tblVehicleEF	UBUS	3.57	5.97
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.68	0.05
tblVehicleEF	UBUS	2.61	5.85
tblVehicleEF	UBUS	0.05	0.01
tblVehicleEF	UBUS	11.21	45.42
tblVehicleEF	UBUS	9.08	0.73
tblVehicleEF	UBUS	1,968.89	1,991.58
tblVehicleEF	UBUS	96.56	8.64
tblVehicleEF	UBUS	9.79	0.47
tblVehicleEF	UBUS	15.38	0.09
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.13	3.1840e-003
tblVehicleEF	UBUS	1.0870e-003	4.6000e-005

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tblVehicleEF	UBUS	0.26	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9690e-003
tblVehicleEF	UBUS	0.13	3.0430e-003
tblVehicleEF	UBUS	9.9900e-004	4.3000e-005
tblVehicleEF	UBUS	4.7000e-003	6.4800e-004
tblVehicleEF	UBUS	0.08	9.0360e-003
tblVehicleEF	UBUS	2.5010e-003	4.6600e-004
tblVehicleEF	UBUS	0.85	0.09
tblVehicleEF	UBUS	0.03	0.07
tblVehicleEF	UBUS	0.69	0.05
tblVehicleEF	UBUS	9.8590e-003	1.4410e-003
tblVehicleEF	UBUS	1.1290e-003	8.5000e-005
tblVehicleEF	UBUS	4.7000e-003	6.4800e-004
tblVehicleEF	UBUS	0.08	9.0360e-003
tblVehicleEF	UBUS	2.5010e-003	4.6600e-004
tblVehicleEF	UBUS	3.55	5.97
tblVehicleEF	UBUS	0.03	0.07
tblVehicleEF	UBUS	0.75	0.05
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TTP	48.00	0.00
tblVehicleTrips	CC_TTP	28.00	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00

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tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	13.00	0.00
tblVehicleTrips	CNW_TTP	41.00	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TTP	33.00	0.00
tblVehicleTrips	CW_TTP	59.00	0.00
tblVehicleTrips	CW_TTP	59.00	0.00
tblVehicleTrips	DV_TP	28.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	6.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	66.00	0.00
tblVehicleTrips	PR_TP	92.00	0.00
tblVehicleTrips	PR_TP	92.00	0.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	1.32	0.00
tblVehicleTrips	ST_TR	1.68	0.00
tblVehicleTrips	SU_TR	16.74	0.00

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tblVehicleTrips	SU_TR	0.68	0.00
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	6.97	0.00
tblVehicleTrips	WD_TR	1.68	0.00
tblWater	IndoorWaterUseRate	14,291,250.00	0.00
tblWater	IndoorWaterUseRate	14,291,250.00	0.00
tblWater	OutdoorWaterUseRate	965,099.89	0.00

2.0 Emissions Summary

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Annual

2.1 Overall Construction**Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.1308	1.4238	0.7552	1.9800e-003	0.2909	0.0584	0.3494	0.1034	0.0542	0.1576	0.0000	176.4682	176.4682	0.0406	0.0000	177.4829
2022	0.9339	3.8839	2.8198	8.0300e-003	0.2198	0.1473	0.3670	0.0591	0.1375	0.1966	0.0000	716.8452	716.8452	0.1277	0.0000	720.0378
Maximum	0.9339	3.8839	2.8198	8.0300e-003	0.2909	0.1473	0.3670	0.1034	0.1375	0.1966	0.0000	716.8452	716.8452	0.1277	0.0000	720.0378

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.1308	1.4238	0.7552	1.9800e-003	0.1282	0.0584	0.1866	0.0443	0.0542	0.0985	0.0000	176.4680	176.4680	0.0406	0.0000	177.4827
2022	0.9339	3.8839	2.8198	8.0300e-003	0.2198	0.1473	0.3670	0.0591	0.1375	0.1966	0.0000	716.8447	716.8447	0.1277	0.0000	720.0372
Maximum	0.9339	3.8839	2.8198	8.0300e-003	0.2198	0.1473	0.3670	0.0591	0.1375	0.1966	0.0000	716.8447	716.8447	0.1277	0.0000	720.0372

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	31.87	0.00	22.72	36.37	0.00	16.69	0.00	0.00	0.00	0.00	0.00	0.00

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Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	10-4-2021	1-3-2022	1.5628	1.5628
2	1-4-2022	4-3-2022	1.2294	1.2294
3	4-4-2022	7-3-2022	1.2397	1.2397
4	7-4-2022	9-30-2022	1.2124	1.2124
		Highest	1.5628	1.5628

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	6.6000e-004	6.0000e-005	7.0600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0137	0.0137	4.0000e-005	0.0000	0.0146
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	6.6000e-004	6.0000e-005	7.0600e-003	0.0000	0.0000	3.0000e-005	3.0000e-005	0.0000	3.0000e-005	3.0000e-005	0.0000	0.0137	0.0137	4.0000e-005	0.0000	0.0146

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2.2 Overall Operational**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	6.6000e-004	6.0000e-005	7.0600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0137	0.0137	4.0000e-005	0.0000	0.0146
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	6.6000e-004	6.0000e-005	7.0600e-003	0.0000	0.0000	3.0000e-005	3.0000e-005	0.0000	3.0000e-005	3.0000e-005	0.0000	0.0137	0.0137	4.0000e-005	0.0000	0.0146

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail**Construction Phase**

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Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	10/4/2021	10/29/2021	5	20	
2	Site Preparation	Site Preparation	10/30/2021	11/12/2021	5	10	
3	Grading	Grading	11/13/2021	12/10/2021	5	20	
4	Building Construction	Building Construction	12/11/2021	10/28/2022	5	230	
5	Architectural Coating	Architectural Coating	10/1/2022	11/25/2022	5	40	
6	Paving	Paving	10/29/2022	11/25/2022	5	20	

Acres of Grading (Site Preparation Phase): 50

Acres of Grading (Grading Phase): 100

Acres of Paving: 2.65

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 185,393; Non-Residential Outdoor: 61,798; Striped Parking Area: 12,134 (Architectural Coating – sqft)

OffRoad Equipment

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Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Crushing/Proc. Equipment	1	8.00	85	0.78
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Crawler Tractors	4	8.00	212	0.43
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Grading	Crawler Tractors	3	8.00	212	0.43
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Crawler Tractors	3	8.00	212	0.43
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	8.00	78	0.48
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38

Trips and VMT

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Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	7	18.00	4.00	339.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	5.00	135.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	152.00	48.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	30.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0367	0.0000	0.0367	5.5600e-003	0.0000	5.5600e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0368	0.3494	0.2590	4.6000e-004		0.0176	0.0176		0.0165	0.0165	0.0000	40.0293	40.0293	9.9800e-003	0.0000	40.2789
Total	0.0368	0.3494	0.2590	4.6000e-004	0.0367	0.0176	0.0543	5.5600e-003	0.0165	0.0221	0.0000	40.0293	40.0293	9.9800e-003	0.0000	40.2789

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3.2 Demolition - 2021**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.4300e-003	0.0469	0.0109	1.3000e-004	2.9100e-003	1.4000e-004	3.0500e-003	8.0000e-004	1.3000e-004	9.3000e-004	0.0000	12.9209	12.9209	9.0000e-004	0.0000	12.9433
Vendor	1.2000e-004	3.9500e-003	1.0700e-003	1.0000e-005	2.5000e-004	1.0000e-005	2.6000e-004	7.0000e-005	1.0000e-005	8.0000e-005	0.0000	0.9860	0.9860	6.0000e-005	0.0000	0.9875
Worker	7.7000e-004	6.0000e-004	6.8100e-003	2.0000e-005	1.9700e-003	2.0000e-005	1.9900e-003	5.2000e-004	1.0000e-005	5.4000e-004	0.0000	1.7801	1.7801	5.0000e-005	0.0000	1.7814
Total	2.3200e-003	0.0515	0.0188	1.6000e-004	5.1300e-003	1.7000e-004	5.3000e-003	1.3900e-003	1.5000e-004	1.5500e-003	0.0000	15.6870	15.6870	1.0100e-003	0.0000	15.7122

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0143	0.0000	0.0143	2.1700e-003	0.0000	2.1700e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0368	0.3494	0.2590	4.6000e-004		0.0176	0.0176		0.0165	0.0165	0.0000	40.0293	40.0293	9.9800e-003	0.0000	40.2788
Total	0.0368	0.3494	0.2590	4.6000e-004	0.0143	0.0176	0.0319	2.1700e-003	0.0165	0.0187	0.0000	40.0293	40.0293	9.9800e-003	0.0000	40.2788

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3.2 Demolition - 2021**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.4300e-003	0.0469	0.0109	1.3000e-004	2.9100e-003	1.4000e-004	3.0500e-003	8.0000e-004	1.3000e-004	9.3000e-004	0.0000	12.9209	12.9209	9.0000e-004	0.0000	12.9433
Vendor	1.2000e-004	3.9500e-003	1.0700e-003	1.0000e-005	2.5000e-004	1.0000e-005	2.6000e-004	7.0000e-005	1.0000e-005	8.0000e-005	0.0000	0.9860	0.9860	6.0000e-005	0.0000	0.9875
Worker	7.7000e-004	6.0000e-004	6.8100e-003	2.0000e-005	1.9700e-003	2.0000e-005	1.9900e-003	5.2000e-004	1.0000e-005	5.4000e-004	0.0000	1.7801	1.7801	5.0000e-005	0.0000	1.7814
Total	2.3200e-003	0.0515	0.0188	1.6000e-004	5.1300e-003	1.7000e-004	5.3000e-003	1.3900e-003	1.5000e-004	1.5500e-003	0.0000	15.6870	15.6870	1.0100e-003	0.0000	15.7122

3.3 Site Preparation - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1168	0.0000	0.1168	0.0525	0.0000	0.0525	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0267	0.3039	0.1093	2.8000e-004		0.0132	0.0132		0.0122	0.0122	0.0000	25.0542	25.0542	8.1000e-003	0.0000	25.2568
Total	0.0267	0.3039	0.1093	2.8000e-004	0.1168	0.0132	0.1301	0.0525	0.0122	0.0647	0.0000	25.0542	25.0542	8.1000e-003	0.0000	25.2568

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3.3 Site Preparation - 2021**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.0000e-005	9.9000e-004	2.7000e-004	0.0000	6.0000e-005	0.0000	7.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.2465	0.2465	2.0000e-005	0.0000	0.2469
Worker	3.9000e-004	3.0000e-004	3.4000e-003	1.0000e-005	9.9000e-004	1.0000e-005	9.9000e-004	2.6000e-004	1.0000e-005	2.7000e-004	0.0000	0.8900	0.8900	3.0000e-005	0.0000	0.8907
Total	4.2000e-004	1.2900e-003	3.6700e-003	1.0000e-005	1.0500e-003	1.0000e-005	1.0600e-003	2.8000e-004	1.0000e-005	2.9000e-004	0.0000	1.1365	1.1365	5.0000e-005	0.0000	1.1376

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0456	0.0000	0.0456	0.0205	0.0000	0.0205	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0267	0.3039	0.1093	2.8000e-004		0.0132	0.0132		0.0122	0.0122	0.0000	25.0542	25.0542	8.1000e-003	0.0000	25.2567
Total	0.0267	0.3039	0.1093	2.8000e-004	0.0456	0.0132	0.0588	0.0205	0.0122	0.0327	0.0000	25.0542	25.0542	8.1000e-003	0.0000	25.2567

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3.3 Site Preparation - 2021**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.0000e-005	9.9000e-004	2.7000e-004	0.0000	6.0000e-005	0.0000	7.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.2465	0.2465	2.0000e-005	0.0000	0.2469
Worker	3.9000e-004	3.0000e-004	3.4000e-003	1.0000e-005	9.9000e-004	1.0000e-005	9.9000e-004	2.6000e-004	1.0000e-005	2.7000e-004	0.0000	0.8900	0.8900	3.0000e-005	0.0000	0.8907
Total	4.2000e-004	1.2900e-003	3.6700e-003	1.0000e-005	1.0500e-003	1.0000e-005	1.0600e-003	2.8000e-004	1.0000e-005	2.9000e-004	0.0000	1.1365	1.1365	5.0000e-005	0.0000	1.1376

3.4 Grading - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1133	0.0000	0.1133	0.0388	0.0000	0.0388	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0338	0.3995	0.1638	4.4000e-004		0.0161	0.0161		0.0148	0.0148	0.0000	38.5582	38.5582	0.0125	0.0000	38.8700
Total	0.0338	0.3995	0.1638	4.4000e-004	0.1133	0.0161	0.1294	0.0388	0.0148	0.0537	0.0000	38.5582	38.5582	0.0125	0.0000	38.8700

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3.4 Grading - 2021**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	5.7000e-004	0.0187	4.3600e-003	5.0000e-005	1.1600e-003	6.0000e-005	1.2200e-003	3.2000e-004	5.0000e-005	3.7000e-004	0.0000	5.1455	5.1455	3.6000e-004	0.0000	5.1544
Vendor	1.6000e-004	4.9300e-003	1.3400e-003	1.0000e-005	3.1000e-004	1.0000e-005	3.3000e-004	9.0000e-005	1.0000e-005	1.0000e-004	0.0000	1.2325	1.2325	8.0000e-005	0.0000	1.2344
Worker	6.5000e-004	5.0000e-004	5.6700e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.4834	1.4834	4.0000e-005	0.0000	1.4845
Total	1.3800e-003	0.0241	0.0114	8.0000e-005	3.1100e-003	8.0000e-005	3.2100e-003	8.5000e-004	7.0000e-005	9.2000e-004	0.0000	7.8614	7.8614	4.8000e-004	0.0000	7.8733

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0442	0.0000	0.0442	0.0152	0.0000	0.0152	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0338	0.3995	0.1638	4.4000e-004		0.0161	0.0161		0.0148	0.0148	0.0000	38.5582	38.5582	0.0125	0.0000	38.8699
Total	0.0338	0.3995	0.1638	4.4000e-004	0.0442	0.0161	0.0603	0.0152	0.0148	0.0300	0.0000	38.5582	38.5582	0.0125	0.0000	38.8699

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3.4 Grading - 2021**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	5.7000e-004	0.0187	4.3600e-003	5.0000e-005	1.1600e-003	6.0000e-005	1.2200e-003	3.2000e-004	5.0000e-005	3.7000e-004	0.0000	5.1455	5.1455	3.6000e-004	0.0000	5.1544
Vendor	1.6000e-004	4.9300e-003	1.3400e-003	1.0000e-005	3.1000e-004	1.0000e-005	3.3000e-004	9.0000e-005	1.0000e-005	1.0000e-004	0.0000	1.2325	1.2325	8.0000e-005	0.0000	1.2344
Worker	6.5000e-004	5.0000e-004	5.6700e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.4834	1.4834	4.0000e-005	0.0000	1.4845
Total	1.3800e-003	0.0241	0.0114	8.0000e-005	3.1100e-003	8.0000e-005	3.2100e-003	8.5000e-004	7.0000e-005	9.2000e-004	0.0000	7.8614	7.8614	4.8000e-004	0.0000	7.8733

3.5 Building Construction - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0234	0.2547	0.1365	3.2000e-004		0.0111	0.0111		0.0103	0.0103	0.0000	27.9941	27.9941	7.6300e-003	0.0000	28.1848
Total	0.0234	0.2547	0.1365	3.2000e-004		0.0111	0.0111		0.0103	0.0103	0.0000	27.9941	27.9941	7.6300e-003	0.0000	28.1848

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3.5 Building Construction - 2021**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.1200e-003	0.0355	9.6300e-003	9.0000e-005	2.2700e-003	7.0000e-005	2.3400e-003	6.5000e-004	7.0000e-005	7.2000e-004	0.0000	8.8739	8.8739	5.4000e-004	0.0000	8.8875
Worker	4.9100e-003	3.8200e-003	0.0431	1.2000e-004	0.0125	1.0000e-004	0.0126	3.3200e-003	9.0000e-005	3.4100e-003	0.0000	11.2737	11.2737	3.3000e-004	0.0000	11.2820
Total	6.0300e-003	0.0394	0.0527	2.1000e-004	0.0148	1.7000e-004	0.0149	3.9700e-003	1.6000e-004	4.1300e-003	0.0000	20.1475	20.1475	8.7000e-004	0.0000	20.1694

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0234	0.2547	0.1365	3.2000e-004		0.0111	0.0111		0.0103	0.0103	0.0000	27.9941	27.9941	7.6300e-003	0.0000	28.1847
Total	0.0234	0.2547	0.1365	3.2000e-004		0.0111	0.0111		0.0103	0.0103	0.0000	27.9941	27.9941	7.6300e-003	0.0000	28.1847

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3.5 Building Construction - 2021**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.1200e-003	0.0355	9.6300e-003	9.0000e-005	2.2700e-003	7.0000e-005	2.3400e-003	6.5000e-004	7.0000e-005	7.2000e-004	0.0000	8.8739	8.8739	5.4000e-004	0.0000	8.8875
Worker	4.9100e-003	3.8200e-003	0.0431	1.2000e-004	0.0125	1.0000e-004	0.0126	3.3200e-003	9.0000e-005	3.4100e-003	0.0000	11.2737	11.2737	3.3000e-004	0.0000	11.2820
Total	6.0300e-003	0.0394	0.0527	2.1000e-004	0.0148	1.7000e-004	0.0149	3.9700e-003	1.6000e-004	4.1300e-003	0.0000	20.1475	20.1475	8.7000e-004	0.0000	20.1694

3.5 Building Construction - 2022**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3006	3.1996	1.8995	4.6200e-003		0.1370	0.1370		0.1278	0.1278	0.0000	400.8688	400.8688	0.1088	0.0000	403.5879
Total	0.3006	3.1996	1.8995	4.6200e-003		0.1370	0.1370		0.1278	0.1278	0.0000	400.8688	400.8688	0.1088	0.0000	403.5879

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3.5 Building Construction - 2022**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0150	0.4838	0.1306	1.3000e-003	0.0325	9.1000e-004	0.0334	9.3800e-003	8.7000e-004	0.0103	0.0000	126.0751	126.0751	7.5300e-003	0.0000	126.2633
Worker	0.0659	0.0494	0.5693	1.7200e-003	0.1791	1.4300e-003	0.1805	0.0476	1.3200e-003	0.0489	0.0000	155.9089	155.9089	4.2900e-003	0.0000	156.0162
Total	0.0810	0.5333	0.7000	3.0200e-003	0.2116	2.3400e-003	0.2139	0.0569	2.1900e-003	0.0591	0.0000	281.9840	281.9840	0.0118	0.0000	282.2796

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3006	3.1996	1.8995	4.6200e-003		0.1370	0.1370		0.1278	0.1278	0.0000	400.8683	400.8683	0.1088	0.0000	403.5874
Total	0.3006	3.1996	1.8995	4.6200e-003		0.1370	0.1370		0.1278	0.1278	0.0000	400.8683	400.8683	0.1088	0.0000	403.5874

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3.5 Building Construction - 2022**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0150	0.4838	0.1306	1.3000e-003	0.0325	9.1000e-004	0.0334	9.3800e-003	8.7000e-004	0.0103	0.0000	126.0751	126.0751	7.5300e-003	0.0000	126.2633
Worker	0.0659	0.0494	0.5693	1.7200e-003	0.1791	1.4300e-003	0.1805	0.0476	1.3200e-003	0.0489	0.0000	155.9089	155.9089	4.2900e-003	0.0000	156.0162
Total	0.0810	0.5333	0.7000	3.0200e-003	0.2116	2.3400e-003	0.2139	0.0569	2.1900e-003	0.0591	0.0000	281.9840	281.9840	0.0118	0.0000	282.2796

3.6 Architectural Coating - 2022**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.5294					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.4500e-003	0.0376	0.0484	8.0000e-005		2.1800e-003	2.1800e-003		2.1800e-003	2.1800e-003	0.0000	6.8087	6.8087	4.4000e-004	0.0000	6.8198
Total	0.5348	0.0376	0.0484	8.0000e-005		2.1800e-003	2.1800e-003		2.1800e-003	2.1800e-003	0.0000	6.8087	6.8087	4.4000e-004	0.0000	6.8198

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3.6 Architectural Coating - 2022**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.4200e-003	1.8200e-003	0.0209	6.0000e-005	6.5700e-003	5.0000e-005	6.6300e-003	1.7500e-003	5.0000e-005	1.7900e-003	0.0000	5.7249	5.7249	1.6000e-004	0.0000	5.7289
Total	2.4200e-003	1.8200e-003	0.0209	6.0000e-005	6.5700e-003	5.0000e-005	6.6300e-003	1.7500e-003	5.0000e-005	1.7900e-003	0.0000	5.7249	5.7249	1.6000e-004	0.0000	5.7289

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.5294					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.4500e-003	0.0376	0.0484	8.0000e-005		2.1800e-003	2.1800e-003		2.1800e-003	2.1800e-003	0.0000	6.8087	6.8087	4.4000e-004	0.0000	6.8198
Total	0.5348	0.0376	0.0484	8.0000e-005		2.1800e-003	2.1800e-003		2.1800e-003	2.1800e-003	0.0000	6.8087	6.8087	4.4000e-004	0.0000	6.8198

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Annual

3.6 Architectural Coating - 2022**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.4200e-003	1.8200e-003	0.0209	6.0000e-005	6.5700e-003	5.0000e-005	6.6300e-003	1.7500e-003	5.0000e-005	1.7900e-003	0.0000	5.7249	5.7249	1.6000e-004	0.0000	5.7289
Total	2.4200e-003	1.8200e-003	0.0209	6.0000e-005	6.5700e-003	5.0000e-005	6.6300e-003	1.7500e-003	5.0000e-005	1.7900e-003	0.0000	5.7249	5.7249	1.6000e-004	0.0000	5.7289

3.7 Paving - 2022**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0110	0.1113	0.1458	2.3000e-004		5.6800e-003	5.6800e-003		5.2200e-003	5.2200e-003	0.0000	20.0276	20.0276	6.4800e-003	0.0000	20.1895
Paving	3.4700e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0145	0.1113	0.1458	2.3000e-004		5.6800e-003	5.6800e-003		5.2200e-003	5.2200e-003	0.0000	20.0276	20.0276	6.4800e-003	0.0000	20.1895

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Annual

3.7 Paving - 2022**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.1000e-004	4.5000e-004	5.2300e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.4312	1.4312	4.0000e-005	0.0000	1.4322
Total	6.1000e-004	4.5000e-004	5.2300e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.4312	1.4312	4.0000e-005	0.0000	1.4322

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0110	0.1113	0.1458	2.3000e-004		5.6800e-003	5.6800e-003		5.2200e-003	5.2200e-003	0.0000	20.0275	20.0275	6.4800e-003	0.0000	20.1895
Paving	3.4700e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0145	0.1113	0.1458	2.3000e-004		5.6800e-003	5.6800e-003		5.2200e-003	5.2200e-003	0.0000	20.0275	20.0275	6.4800e-003	0.0000	20.1895

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Annual

3.7 Paving - 2022**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.1000e-004	4.5000e-004	5.2300e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.4312	1.4312	4.0000e-005	0.0000	1.4322
Total	6.1000e-004	4.5000e-004	5.2300e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.4312	1.4312	4.0000e-005	0.0000	1.4322

4.0 Operational Detail - Mobile**4.1 Mitigation Measures Mobile**

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Annual

[illegible]

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
General Light Industry	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

[illegible]

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Annual

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
General Light Industry	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
Other Asphalt Surfaces	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
Parking Lot	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
Unrefrigerated Warehouse-No Rail	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

[illegible]

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Annual

5.2 Energy by Land Use - NaturalGas

Unmitigated

[illegible]

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Annual

5.2 Energy by Land Use - NaturalGas

Mitigated

[illegible]

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Annual

5.3 Energy by Land Use - Electricity**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
General Light Industry	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Annual

5.3 Energy by Land Use - Electricity**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
General Light Industry	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

6.0 Area Detail**6.1 Mitigation Measures Area**

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	6.6000e-004	6.0000e-005	7.0600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0137	0.0137	4.0000e-005	0.0000	0.0146
Unmitigated	6.6000e-004	6.0000e-005	7.0600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0137	0.0137	4.0000e-005	0.0000	0.0146

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	6.6000e-004	6.0000e-005	7.0600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0137	0.0137	4.0000e-005	0.0000	0.0146
Total	6.6000e-004	6.0000e-005	7.0600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0137	0.0137	4.0000e-005	0.0000	0.0146

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Annual

6.2 Area by SubCategory**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	6.6000e-004	6.0000e-005	7.0600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0137	0.0137	4.0000e-005	0.0000	0.0146
Total	6.6000e-004	6.0000e-005	7.0600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0137	0.0137	4.0000e-005	0.0000	0.0146

7.0 Water Detail**7.1 Mitigation Measures Water**

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 0	0.0000	0.0000	0.0000	0.0000
General Light Industry	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Annual

7.2 Water by Land Use**Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 0	0.0000	0.0000	0.0000	0.0000
General Light Industry	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

8.0 Waste Detail**8.1 Mitigation Measures Waste**

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Annual

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

8.2 Waste by Land Use**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
General Light Industry	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Annual

8.2 Waste by Land Use**Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
General Light Industry	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment**Fire Pumps and Emergency Generators**

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Annual

User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

APPENDIX 3.2:

CALEEMOD PROJECT OPERATIONAL EMISSIONS MODEL OUTPUTS

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San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Annual

San Francisco Avenue (Proposed Project Operations)

Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	61.80	1000sqft	1.42	61,798.00	0
User Defined Industrial	125.60	User Defined Unit	0.00	0.00	0
Other Asphalt Surfaces	51.84	1000sqft	1.19	51,836.00	0
Parking Lot	376.00	Space	1.46	58,572.00	0
City Park	0.81	Acre	0.81	35,405.00	0
Unrefrigerated Warehouse-No Rail	61.80	1000sqft	1.42	61,797.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9			Operational Year	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW/hr)	564.66	CH4 Intensity (lb/MW/hr)	0.023	N2O Intensity (lb/MW/hr)	0.005

1.3 User Entered Comments & Non-Default Data

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Annual

Project Characteristics - Intensity factors adjusted to reflect the RPS for the 2022 Opening Year

Land Use - Total Project site is approximately 6.3 acres

Construction Phase - Operations run only

Off-road Equipment - Operations run only

Trips and VMT - Operations run only

Vehicle Trips - Trip characteristics based on information provided in the Traffic Assessment

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Energy Use - The Project will design building shells and building components to meet 2019 Title 24 Standards which expects 30% less energy for nonresidential uses

Operational Off-Road Equipment - Based on SCAQMD High Cube Warehouse Truck Trip Study White Paper Summary of Business Survey Results (2014)

Fleet Mix - Passenger Car Mix estimated based on the CalEEMod default fleet mix and the ratio of the vehicle classes (LDA, LDT1, LDT2, MDV, & MCY). Truck Mix based on information in the Traffic Analysis

Area Coating -

Water And Wastewater -

Solid Waste -

Table Name	Column Name	Default Value	New Value
tblEnergyUse	LightingElect	3.10	2.17
tblEnergyUse	T24E	2.25	1.58
tblEnergyUse	T24NG	13.65	9.56
tblFleetMix	HHD	0.03	0.00
tblFleetMix	HHD	0.03	0.62
tblFleetMix	HHD	0.03	0.00
tblFleetMix	LDA	0.55	0.59
tblFleetMix	LDA	0.55	0.00
tblFleetMix	LDA	0.55	0.59

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tblFleetMix	LDT1	0.04	0.05
tblFleetMix	LDT1	0.04	0.00
tblFleetMix	LDT1	0.04	0.05
tblFleetMix	LDT2	0.20	0.22
tblFleetMix	LDT2	0.20	0.00
tblFleetMix	LDT2	0.20	0.22
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD1	0.02	0.12
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD2	6.1960e-003	0.00
tblFleetMix	LHD2	6.1960e-003	0.05
tblFleetMix	LHD2	6.1960e-003	0.00
tblFleetMix	MCY	5.1420e-003	5.6000e-003
tblFleetMix	MCY	5.1420e-003	0.00
tblFleetMix	MCY	5.1420e-003	5.6000e-003
tblFleetMix	MDV	0.12	0.13
tblFleetMix	MDV	0.12	0.00
tblFleetMix	MDV	0.12	0.13
tblFleetMix	MH	8.7600e-004	0.00
tblFleetMix	MH	8.7600e-004	0.00
tblFleetMix	MH	8.7600e-004	0.00
tblFleetMix	MHD	0.02	0.00
tblFleetMix	MHD	0.02	0.21
tblFleetMix	MHD	0.02	0.00
tblFleetMix	OBUS	2.5150e-003	0.00
tblFleetMix	OBUS	2.5150e-003	0.00
tblFleetMix	OBUS	2.5150e-003	0.00

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tblFleetMix	SBUS	6.8700e-004	0.00
tblFleetMix	SBUS	6.8700e-004	0.00
tblFleetMix	SBUS	6.8700e-004	0.00
tblFleetMix	UBUS	2.2010e-003	0.00
tblFleetMix	UBUS	2.2010e-003	0.00
tblFleetMix	UBUS	2.2010e-003	0.00
tblLandUse	LandUseSquareFeet	51,840.00	51,836.00
tblLandUse	LandUseSquareFeet	150,400.00	58,572.00
tblLandUse	LandUseSquareFeet	35,283.60	35,405.00
tblLandUse	LotAcreage	3.38	1.46
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	365.00
tblOperationalOffRoadEquipment	OperFuelType	Diesel	CNG
tblOperationalOffRoadEquipment	OperHorsePower	97.00	200.00
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	4.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	2.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.023
tblProjectCharacteristics	CO2IntensityFactor	702.44	564.66
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.005
tblVehicleEF	HHD	0.62	0.03
tblVehicleEF	HHD	0.09	0.08
tblVehicleEF	HHD	0.08	1.0000e-006
tblVehicleEF	HHD	2.47	6.23
tblVehicleEF	HHD	1.15	0.58
tblVehicleEF	HHD	3.30	9.5390e-003

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tblVehicleEF	HHD	4,690.45	1,172.50
tblVehicleEF	HHD	1,639.83	1,482.70
tblVehicleEF	HHD	10.54	0.09
tblVehicleEF	HHD	20.39	6.32
tblVehicleEF	HHD	3.81	3.60
tblVehicleEF	HHD	19.54	2.06
tblVehicleEF	HHD	0.01	3.9370e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	8.7000e-005	2.0000e-006
tblVehicleEF	HHD	0.01	3.7670e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8380e-003	8.8970e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	8.0000e-005	1.0000e-006
tblVehicleEF	HHD	1.0500e-004	7.0000e-006
tblVehicleEF	HHD	4.6110e-003	2.7700e-004
tblVehicleEF	HHD	0.62	0.45
tblVehicleEF	HHD	7.9000e-005	5.0000e-006
tblVehicleEF	HHD	0.15	0.08
tblVehicleEF	HHD	3.9500e-004	1.5080e-003
tblVehicleEF	HHD	0.08	3.0000e-006
tblVehicleEF	HHD	0.04	0.01
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.6000e-004	1.0000e-006
tblVehicleEF	HHD	1.0500e-004	7.0000e-006

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tblVehicleEF	HHD	4.6110e-003	2.7700e-004
tblVehicleEF	HHD	0.72	0.52
tblVehicleEF	HHD	7.9000e-005	5.0000e-006
tblVehicleEF	HHD	0.25	0.17
tblVehicleEF	HHD	3.9500e-004	1.5080e-003
tblVehicleEF	HHD	0.09	3.0000e-006
tblVehicleEF	HHD	0.58	0.03
tblVehicleEF	HHD	0.10	0.08
tblVehicleEF	HHD	0.07	1.0000e-006
tblVehicleEF	HHD	1.80	6.09
tblVehicleEF	HHD	1.16	0.59
tblVehicleEF	HHD	3.13	9.0610e-003
tblVehicleEF	HHD	4,968.94	1,168.97
tblVehicleEF	HHD	1,639.83	1,482.70
tblVehicleEF	HHD	10.54	0.09
tblVehicleEF	HHD	21.04	6.13
tblVehicleEF	HHD	3.60	3.41
tblVehicleEF	HHD	19.53	2.06
tblVehicleEF	HHD	0.01	3.4420e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	8.7000e-005	2.0000e-006
tblVehicleEF	HHD	0.01	3.2930e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8380e-003	8.8970e-003
tblVehicleEF	HHD	0.01	0.03

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tblVehicleEF	HHD	8.0000e-005	1.0000e-006
tblVehicleEF	HHD	1.6000e-004	1.1000e-005
tblVehicleEF	HHD	4.7280e-003	2.8200e-004
tblVehicleEF	HHD	0.58	0.47
tblVehicleEF	HHD	1.1400e-004	8.0000e-006
tblVehicleEF	HHD	0.15	0.08
tblVehicleEF	HHD	3.8400e-004	1.4870e-003
tblVehicleEF	HHD	0.08	3.0000e-006
tblVehicleEF	HHD	0.05	0.01
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.5700e-004	1.0000e-006
tblVehicleEF	HHD	1.6000e-004	1.1000e-005
tblVehicleEF	HHD	4.7280e-003	2.8200e-004
tblVehicleEF	HHD	0.68	0.55
tblVehicleEF	HHD	1.1400e-004	8.0000e-006
tblVehicleEF	HHD	0.25	0.17
tblVehicleEF	HHD	3.8400e-004	1.4870e-003
tblVehicleEF	HHD	0.08	3.0000e-006
tblVehicleEF	HHD	0.67	0.02
tblVehicleEF	HHD	0.09	3.6360e-003
tblVehicleEF	HHD	0.08	1.0000e-006
tblVehicleEF	HHD	3.41	6.32
tblVehicleEF	HHD	1.15	0.38
tblVehicleEF	HHD	3.33	9.6340e-003
tblVehicleEF	HHD	4,305.87	1,158.96
tblVehicleEF	HHD	1,639.83	1,430.09
tblVehicleEF	HHD	10.54	0.09

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tblVehicleEF	HHD	19.48	6.47
tblVehicleEF	HHD	3.75	3.49
tblVehicleEF	HHD	19.55	2.06
tblVehicleEF	HHD	0.02	4.3710e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	8.7000e-005	2.0000e-006
tblVehicleEF	HHD	0.02	4.1820e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8380e-003	8.7580e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	8.0000e-005	1.0000e-006
tblVehicleEF	HHD	1.0300e-004	8.0000e-006
tblVehicleEF	HHD	4.9260e-003	3.1500e-004
tblVehicleEF	HHD	0.66	0.42
tblVehicleEF	HHD	7.7000e-005	5.0000e-006
tblVehicleEF	HHD	0.15	0.08
tblVehicleEF	HHD	4.2900e-004	1.6010e-003
tblVehicleEF	HHD	0.08	3.0000e-006
tblVehicleEF	HHD	0.04	0.01
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.6000e-004	1.0000e-006
tblVehicleEF	HHD	1.0300e-004	8.0000e-006
tblVehicleEF	HHD	4.9260e-003	3.1500e-004
tblVehicleEF	HHD	0.78	0.48
tblVehicleEF	HHD	7.7000e-005	5.0000e-006

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tblVehicleEF	HHD	0.25	0.09
tblVehicleEF	HHD	4.2900e-004	1.6010e-003
tblVehicleEF	HHD	0.09	3.0000e-006
tblVehicleEF	LDA	5.3420e-003	3.0240e-003
tblVehicleEF	LDA	5.4040e-003	0.05
tblVehicleEF	LDA	0.66	0.72
tblVehicleEF	LDA	1.15	2.10
tblVehicleEF	LDA	274.33	272.47
tblVehicleEF	LDA	57.08	53.62
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.07	0.18
tblVehicleEF	LDA	2.1700e-003	1.8010e-003
tblVehicleEF	LDA	2.2660e-003	1.8420e-003
tblVehicleEF	LDA	2.0000e-003	1.6590e-003
tblVehicleEF	LDA	2.0830e-003	1.6940e-003
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.21
tblVehicleEF	LDA	0.07	0.22
tblVehicleEF	LDA	2.7480e-003	2.6780e-003
tblVehicleEF	LDA	5.9000e-004	5.2700e-004
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.02	0.02

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tblVehicleEF	LDA	0.04	0.21
tblVehicleEF	LDA	0.08	0.25
tblVehicleEF	LDA	5.6740e-003	3.2280e-003
tblVehicleEF	LDA	4.8010e-003	0.04
tblVehicleEF	LDA	0.72	0.79
tblVehicleEF	LDA	0.98	1.79
tblVehicleEF	LDA	287.10	284.40
tblVehicleEF	LDA	57.08	53.05
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.06	0.17
tblVehicleEF	LDA	2.1700e-003	1.8010e-003
tblVehicleEF	LDA	2.2660e-003	1.8420e-003
tblVehicleEF	LDA	2.0000e-003	1.6590e-003
tblVehicleEF	LDA	2.0830e-003	1.6940e-003
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.11	0.10
tblVehicleEF	LDA	0.05	0.07
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.20
tblVehicleEF	LDA	0.06	0.20
tblVehicleEF	LDA	2.8760e-003	2.7950e-003
tblVehicleEF	LDA	5.8700e-004	5.2200e-004
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.11	0.10
tblVehicleEF	LDA	0.05	0.07
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.20

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tblVehicleEF	LDA	0.07	0.22
tblVehicleEF	LDA	5.2330e-003	2.9600e-003
tblVehicleEF	LDA	5.5300e-003	0.05
tblVehicleEF	LDA	0.63	0.69
tblVehicleEF	LDA	1.19	2.17
tblVehicleEF	LDA	269.66	268.07
tblVehicleEF	LDA	57.08	53.75
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.07	0.19
tblVehicleEF	LDA	2.1700e-003	1.8010e-003
tblVehicleEF	LDA	2.2660e-003	1.8420e-003
tblVehicleEF	LDA	2.0000e-003	1.6590e-003
tblVehicleEF	LDA	2.0830e-003	1.6940e-003
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.05	0.24
tblVehicleEF	LDA	0.07	0.23
tblVehicleEF	LDA	2.7010e-003	2.6350e-003
tblVehicleEF	LDA	5.9100e-004	5.2800e-004
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.05	0.24
tblVehicleEF	LDA	0.08	0.25

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tblVehicleEF	LDT1	0.02	7.7270e-003
tblVehicleEF	LDT1	0.01	0.07
tblVehicleEF	LDT1	1.68	1.45
tblVehicleEF	LDT1	2.78	2.27
tblVehicleEF	LDT1	341.15	320.55
tblVehicleEF	LDT1	69.44	63.67
tblVehicleEF	LDT1	0.16	0.12
tblVehicleEF	LDT1	0.16	0.26
tblVehicleEF	LDT1	3.5390e-003	2.7170e-003
tblVehicleEF	LDT1	3.4320e-003	2.6310e-003
tblVehicleEF	LDT1	3.2590e-003	2.5000e-003
tblVehicleEF	LDT1	3.1560e-003	2.4190e-003
tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	0.26	0.20
tblVehicleEF	LDT1	0.11	0.11
tblVehicleEF	LDT1	0.04	0.03
tblVehicleEF	LDT1	0.17	0.69
tblVehicleEF	LDT1	0.19	0.35
tblVehicleEF	LDT1	3.4330e-003	3.1520e-003
tblVehicleEF	LDT1	7.4300e-004	6.2600e-004
tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	0.26	0.20
tblVehicleEF	LDT1	0.11	0.11
tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.17	0.69
tblVehicleEF	LDT1	0.21	0.39
tblVehicleEF	LDT1	0.02	8.1770e-003

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tblVehicleEF	LDT1	0.01	0.06
tblVehicleEF	LDT1	1.82	1.58
tblVehicleEF	LDT1	2.36	1.93
tblVehicleEF	LDT1	356.02	332.71
tblVehicleEF	LDT1	69.44	63.00
tblVehicleEF	LDT1	0.14	0.10
tblVehicleEF	LDT1	0.15	0.24
tblVehicleEF	LDT1	3.5390e-003	2.7170e-003
tblVehicleEF	LDT1	3.4320e-003	2.6310e-003
tblVehicleEF	LDT1	3.2590e-003	2.5000e-003
tblVehicleEF	LDT1	3.1560e-003	2.4190e-003
tblVehicleEF	LDT1	0.20	0.20
tblVehicleEF	LDT1	0.28	0.21
tblVehicleEF	LDT1	0.15	0.15
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.16	0.64
tblVehicleEF	LDT1	0.17	0.31
tblVehicleEF	LDT1	3.5840e-003	3.2710e-003
tblVehicleEF	LDT1	7.3600e-004	6.1900e-004
tblVehicleEF	LDT1	0.20	0.20
tblVehicleEF	LDT1	0.28	0.21
tblVehicleEF	LDT1	0.15	0.15
tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.16	0.64
tblVehicleEF	LDT1	0.18	0.34
tblVehicleEF	LDT1	0.02	7.5820e-003
tblVehicleEF	LDT1	0.01	0.07

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tblVehicleEF	LDT1	1.63	1.41
tblVehicleEF	LDT1	2.87	2.35
tblVehicleEF	LDT1	335.69	316.06
tblVehicleEF	LDT1	69.44	63.82
tblVehicleEF	LDT1	0.15	0.12
tblVehicleEF	LDT1	0.16	0.26
tblVehicleEF	LDT1	3.5390e-003	2.7170e-003
tblVehicleEF	LDT1	3.4320e-003	2.6310e-003
tblVehicleEF	LDT1	3.2590e-003	2.5000e-003
tblVehicleEF	LDT1	3.1560e-003	2.4190e-003
tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	0.30	0.22
tblVehicleEF	LDT1	0.10	0.10
tblVehicleEF	LDT1	0.04	0.03
tblVehicleEF	LDT1	0.20	0.82
tblVehicleEF	LDT1	0.20	0.36
tblVehicleEF	LDT1	3.3780e-003	3.1070e-003
tblVehicleEF	LDT1	7.4500e-004	6.2800e-004
tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	0.30	0.22
tblVehicleEF	LDT1	0.10	0.10
tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.20	0.82
tblVehicleEF	LDT1	0.21	0.40
tblVehicleEF	LDT2	7.2180e-003	4.9730e-003
tblVehicleEF	LDT2	6.3970e-003	0.07
tblVehicleEF	LDT2	0.84	1.02

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tblVehicleEF	LDT2	1.35	2.65
tblVehicleEF	LDT2	381.91	343.42
tblVehicleEF	LDT2	78.07	68.73
tblVehicleEF	LDT2	0.08	0.09
tblVehicleEF	LDT2	0.11	0.28
tblVehicleEF	LDT2	2.1510e-003	1.9110e-003
tblVehicleEF	LDT2	2.3580e-003	1.8910e-003
tblVehicleEF	LDT2	1.9790e-003	1.7590e-003
tblVehicleEF	LDT2	2.1690e-003	1.7390e-003
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.10	0.12
tblVehicleEF	LDT2	0.05	0.07
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.41
tblVehicleEF	LDT2	0.09	0.31
tblVehicleEF	LDT2	3.8260e-003	3.3760e-003
tblVehicleEF	LDT2	8.0300e-004	6.7600e-004
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.10	0.12
tblVehicleEF	LDT2	0.05	0.07
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.06	0.41
tblVehicleEF	LDT2	0.09	0.34
tblVehicleEF	LDT2	7.6530e-003	5.2910e-003
tblVehicleEF	LDT2	5.6920e-003	0.06
tblVehicleEF	LDT2	0.92	1.12
tblVehicleEF	LDT2	1.15	2.26

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tblVehicleEF	LDT2	399.04	355.31
tblVehicleEF	LDT2	78.07	67.99
tblVehicleEF	LDT2	0.07	0.08
tblVehicleEF	LDT2	0.10	0.26
tblVehicleEF	LDT2	2.1510e-003	1.9110e-003
tblVehicleEF	LDT2	2.3580e-003	1.8910e-003
tblVehicleEF	LDT2	1.9790e-003	1.7590e-003
tblVehicleEF	LDT2	2.1690e-003	1.7390e-003
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.10	0.13
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.38
tblVehicleEF	LDT2	0.08	0.28
tblVehicleEF	LDT2	3.9980e-003	3.4930e-003
tblVehicleEF	LDT2	8.0000e-004	6.6800e-004
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.10	0.13
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.06	0.38
tblVehicleEF	LDT2	0.08	0.31
tblVehicleEF	LDT2	7.0750e-003	4.8730e-003
tblVehicleEF	LDT2	6.5470e-003	0.07
tblVehicleEF	LDT2	0.81	0.99
tblVehicleEF	LDT2	1.39	2.74
tblVehicleEF	LDT2	375.62	339.02

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tblVehicleEF	LDT2	78.07	68.90
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.11	0.28
tblVehicleEF	LDT2	2.1510e-003	1.9110e-003
tblVehicleEF	LDT2	2.3580e-003	1.8910e-003
tblVehicleEF	LDT2	1.9790e-003	1.7590e-003
tblVehicleEF	LDT2	2.1690e-003	1.7390e-003
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.11	0.13
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.48
tblVehicleEF	LDT2	0.09	0.32
tblVehicleEF	LDT2	3.7630e-003	3.3320e-003
tblVehicleEF	LDT2	8.0400e-004	6.7700e-004
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.11	0.13
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.07	0.48
tblVehicleEF	LDT2	0.10	0.35
tblVehicleEF	LHD1	5.5970e-003	5.6110e-003
tblVehicleEF	LHD1	0.01	5.6770e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.19
tblVehicleEF	LHD1	0.84	0.65
tblVehicleEF	LHD1	2.79	1.14

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tblVehicleEF	LHD1	8.92	8.88
tblVehicleEF	LHD1	603.81	667.04
tblVehicleEF	LHD1	33.34	12.48
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.95	0.63
tblVehicleEF	LHD1	1.01	0.34
tblVehicleEF	LHD1	8.2600e-004	7.5000e-004
tblVehicleEF	LHD1	0.01	9.6680e-003
tblVehicleEF	LHD1	9.1270e-003	6.2840e-003
tblVehicleEF	LHD1	1.0140e-003	2.8500e-004
tblVehicleEF	LHD1	7.9000e-004	7.1700e-004
tblVehicleEF	LHD1	2.5160e-003	2.4170e-003
tblVehicleEF	LHD1	8.7050e-003	5.9830e-003
tblVehicleEF	LHD1	9.3300e-004	2.6200e-004
tblVehicleEF	LHD1	3.1460e-003	2.5540e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.9140e-003	1.5610e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.31	0.55
tblVehicleEF	LHD1	0.27	0.08
tblVehicleEF	LHD1	9.0000e-005	8.6000e-005
tblVehicleEF	LHD1	5.9300e-003	6.5150e-003
tblVehicleEF	LHD1	3.8500e-004	1.2400e-004
tblVehicleEF	LHD1	3.1460e-003	2.5540e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.02	0.03

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tblVehicleEF	LHD1	1.9140e-003	1.5610e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.31	0.55
tblVehicleEF	LHD1	0.29	0.09
tblVehicleEF	LHD1	5.5970e-003	5.6230e-003
tblVehicleEF	LHD1	0.01	5.7930e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.19
tblVehicleEF	LHD1	0.85	0.66
tblVehicleEF	LHD1	2.66	1.09
tblVehicleEF	LHD1	8.92	8.88
tblVehicleEF	LHD1	603.81	667.06
tblVehicleEF	LHD1	33.34	12.39
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.89	0.59
tblVehicleEF	LHD1	0.96	0.32
tblVehicleEF	LHD1	8.2600e-004	7.5000e-004
tblVehicleEF	LHD1	0.01	9.6680e-003
tblVehicleEF	LHD1	9.1270e-003	6.2840e-003
tblVehicleEF	LHD1	1.0140e-003	2.8500e-004
tblVehicleEF	LHD1	7.9000e-004	7.1700e-004
tblVehicleEF	LHD1	2.5160e-003	2.4170e-003
tblVehicleEF	LHD1	8.7050e-003	5.9830e-003
tblVehicleEF	LHD1	9.3300e-004	2.6200e-004
tblVehicleEF	LHD1	4.7100e-003	3.7600e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.02

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tblVehicleEF	LHD1	2.6900e-003	2.1600e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.30	0.53
tblVehicleEF	LHD1	0.26	0.08
tblVehicleEF	LHD1	9.0000e-005	8.6000e-005
tblVehicleEF	LHD1	5.9310e-003	6.5150e-003
tblVehicleEF	LHD1	3.8300e-004	1.2300e-004
tblVehicleEF	LHD1	4.7100e-003	3.7600e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	2.6900e-003	2.1600e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.30	0.53
tblVehicleEF	LHD1	0.28	0.08
tblVehicleEF	LHD1	5.5970e-003	5.6090e-003
tblVehicleEF	LHD1	0.01	5.6460e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.19
tblVehicleEF	LHD1	0.83	0.64
tblVehicleEF	LHD1	2.81	1.15
tblVehicleEF	LHD1	8.92	8.88
tblVehicleEF	LHD1	603.81	667.03
tblVehicleEF	LHD1	33.34	12.50
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.94	0.62
tblVehicleEF	LHD1	1.01	0.34
tblVehicleEF	LHD1	8.2600e-004	7.5000e-004

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tblVehicleEF	LHD1	0.01	9.6680e-003
tblVehicleEF	LHD1	9.1270e-003	6.2840e-003
tblVehicleEF	LHD1	1.0140e-003	2.8500e-004
tblVehicleEF	LHD1	7.9000e-004	7.1700e-004
tblVehicleEF	LHD1	2.5160e-003	2.4170e-003
tblVehicleEF	LHD1	8.7050e-003	5.9830e-003
tblVehicleEF	LHD1	9.3300e-004	2.6200e-004
tblVehicleEF	LHD1	3.3080e-003	2.6900e-003
tblVehicleEF	LHD1	0.12	0.09
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.8850e-003	1.5400e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.33	0.60
tblVehicleEF	LHD1	0.27	0.08
tblVehicleEF	LHD1	9.0000e-005	8.6000e-005
tblVehicleEF	LHD1	5.9300e-003	6.5150e-003
tblVehicleEF	LHD1	3.8600e-004	1.2400e-004
tblVehicleEF	LHD1	3.3080e-003	2.6900e-003
tblVehicleEF	LHD1	0.12	0.09
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.8850e-003	1.5400e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.33	0.60
tblVehicleEF	LHD1	0.29	0.09
tblVehicleEF	LHD2	4.0020e-003	3.9440e-003
tblVehicleEF	LHD2	4.2980e-003	3.9460e-003
tblVehicleEF	LHD2	8.5190e-003	0.01

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tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.34	0.44
tblVehicleEF	LHD2	1.37	0.77
tblVehicleEF	LHD2	13.57	13.40
tblVehicleEF	LHD2	617.83	668.37
tblVehicleEF	LHD2	27.88	9.65
tblVehicleEF	LHD2	0.09	0.08
tblVehicleEF	LHD2	0.65	0.81
tblVehicleEF	LHD2	0.55	0.23
tblVehicleEF	LHD2	1.1620e-003	1.2440e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8510e-003	9.8680e-003
tblVehicleEF	LHD2	4.6900e-004	1.6300e-004
tblVehicleEF	LHD2	1.1110e-003	1.1900e-003
tblVehicleEF	LHD2	2.6540e-003	2.6300e-003
tblVehicleEF	LHD2	8.4540e-003	9.4240e-003
tblVehicleEF	LHD2	4.3100e-004	1.5000e-004
tblVehicleEF	LHD2	1.1380e-003	1.5770e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.4500e-004	9.7800e-004
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.08	0.35
tblVehicleEF	LHD2	0.11	0.06
tblVehicleEF	LHD2	1.3300e-004	1.2900e-004
tblVehicleEF	LHD2	6.0210e-003	6.4710e-003
tblVehicleEF	LHD2	3.0400e-004	9.5000e-005

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tblVehicleEF	LHD2	1.1380e-003	1.5770e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.4500e-004	9.7800e-004
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.08	0.35
tblVehicleEF	LHD2	0.13	0.06
tblVehicleEF	LHD2	4.0020e-003	3.9530e-003
tblVehicleEF	LHD2	4.3570e-003	3.9910e-003
tblVehicleEF	LHD2	8.2260e-003	0.01
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.35	0.44
tblVehicleEF	LHD2	1.31	0.74
tblVehicleEF	LHD2	13.57	13.40
tblVehicleEF	LHD2	617.83	668.38
tblVehicleEF	LHD2	27.88	9.59
tblVehicleEF	LHD2	0.09	0.08
tblVehicleEF	LHD2	0.61	0.76
tblVehicleEF	LHD2	0.53	0.22
tblVehicleEF	LHD2	1.1620e-003	1.2440e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8510e-003	9.8680e-003
tblVehicleEF	LHD2	4.6900e-004	1.6300e-004
tblVehicleEF	LHD2	1.1110e-003	1.1900e-003
tblVehicleEF	LHD2	2.6540e-003	2.6300e-003
tblVehicleEF	LHD2	8.4540e-003	9.4240e-003
tblVehicleEF	LHD2	4.3100e-004	1.5000e-004

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tblVehicleEF	LHD2	1.6960e-003	2.3210e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.0400e-003	1.3550e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.08	0.34
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	1.3300e-004	1.2900e-004
tblVehicleEF	LHD2	6.0210e-003	6.4710e-003
tblVehicleEF	LHD2	3.0300e-004	9.5000e-005
tblVehicleEF	LHD2	1.6960e-003	2.3210e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.0400e-003	1.3550e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.08	0.34
tblVehicleEF	LHD2	0.12	0.06
tblVehicleEF	LHD2	4.0020e-003	3.9420e-003
tblVehicleEF	LHD2	4.2820e-003	3.9330e-003
tblVehicleEF	LHD2	8.5780e-003	0.01
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.34	0.43
tblVehicleEF	LHD2	1.38	0.78
tblVehicleEF	LHD2	13.57	13.40
tblVehicleEF	LHD2	617.83	668.37
tblVehicleEF	LHD2	27.88	9.66
tblVehicleEF	LHD2	0.09	0.08

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tblVehicleEF	LHD2	0.64	0.80
tblVehicleEF	LHD2	0.56	0.24
tblVehicleEF	LHD2	1.1620e-003	1.2440e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8510e-003	9.8680e-003
tblVehicleEF	LHD2	4.6900e-004	1.6300e-004
tblVehicleEF	LHD2	1.1110e-003	1.1900e-003
tblVehicleEF	LHD2	2.6540e-003	2.6300e-003
tblVehicleEF	LHD2	8.4540e-003	9.4240e-003
tblVehicleEF	LHD2	4.3100e-004	1.5000e-004
tblVehicleEF	LHD2	1.1610e-003	1.6340e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.2300e-004	9.5000e-004
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.09	0.39
tblVehicleEF	LHD2	0.12	0.06
tblVehicleEF	LHD2	1.3300e-004	1.2900e-004
tblVehicleEF	LHD2	6.0210e-003	6.4710e-003
tblVehicleEF	LHD2	3.0400e-004	9.6000e-005
tblVehicleEF	LHD2	1.1610e-003	1.6340e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.2300e-004	9.5000e-004
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.09	0.39
tblVehicleEF	LHD2	0.13	0.06

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tblVehicleEF	MCY	0.54	0.38
tblVehicleEF	MCY	0.15	0.23
tblVehicleEF	MCY	18.94	19.11
tblVehicleEF	MCY	9.66	8.52
tblVehicleEF	MCY	188.92	223.68
tblVehicleEF	MCY	44.52	59.56
tblVehicleEF	MCY	1.13	1.13
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	2.4360e-003	2.4430e-003
tblVehicleEF	MCY	3.8630e-003	3.2940e-003
tblVehicleEF	MCY	2.2770e-003	2.2830e-003
tblVehicleEF	MCY	3.6360e-003	3.1000e-003
tblVehicleEF	MCY	1.06	1.08
tblVehicleEF	MCY	0.63	0.65
tblVehicleEF	MCY	0.65	0.66
tblVehicleEF	MCY	2.60	2.61
tblVehicleEF	MCY	0.60	1.98
tblVehicleEF	MCY	2.05	1.81
tblVehicleEF	MCY	2.2780e-003	2.2130e-003
tblVehicleEF	MCY	6.6300e-004	5.8900e-004
tblVehicleEF	MCY	1.06	1.08
tblVehicleEF	MCY	0.63	0.65
tblVehicleEF	MCY	0.65	0.66
tblVehicleEF	MCY	3.23	3.25
tblVehicleEF	MCY	0.60	1.98
tblVehicleEF	MCY	2.23	1.97
tblVehicleEF	MCY	0.53	0.37

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tblVehicleEF	MCY	0.13	0.21
tblVehicleEF	MCY	18.24	18.37
tblVehicleEF	MCY	8.82	7.76
tblVehicleEF	MCY	188.92	222.28
tblVehicleEF	MCY	44.52	57.67
tblVehicleEF	MCY	0.99	0.99
tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	2.4360e-003	2.4430e-003
tblVehicleEF	MCY	3.8630e-003	3.2940e-003
tblVehicleEF	MCY	2.2770e-003	2.2830e-003
tblVehicleEF	MCY	3.6360e-003	3.1000e-003
tblVehicleEF	MCY	1.73	1.72
tblVehicleEF	MCY	0.70	0.71
tblVehicleEF	MCY	1.07	1.07
tblVehicleEF	MCY	2.54	2.55
tblVehicleEF	MCY	0.56	1.86
tblVehicleEF	MCY	1.83	1.61
tblVehicleEF	MCY	2.2650e-003	2.2000e-003
tblVehicleEF	MCY	6.4300e-004	5.7100e-004
tblVehicleEF	MCY	1.73	1.72
tblVehicleEF	MCY	0.70	0.71
tblVehicleEF	MCY	1.07	1.07
tblVehicleEF	MCY	3.16	3.17
tblVehicleEF	MCY	0.56	1.86
tblVehicleEF	MCY	1.99	1.75
tblVehicleEF	MCY	0.54	0.38
tblVehicleEF	MCY	0.15	0.24

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tblVehicleEF	MCY	19.04	19.25
tblVehicleEF	MCY	9.80	8.66
tblVehicleEF	MCY	188.92	223.96
tblVehicleEF	MCY	44.52	59.94
tblVehicleEF	MCY	1.11	1.11
tblVehicleEF	MCY	0.31	0.27
tblVehicleEF	MCY	2.4360e-003	2.4430e-003
tblVehicleEF	MCY	3.8630e-003	3.2940e-003
tblVehicleEF	MCY	2.2770e-003	2.2830e-003
tblVehicleEF	MCY	3.6360e-003	3.1000e-003
tblVehicleEF	MCY	1.16	1.18
tblVehicleEF	MCY	0.82	0.84
tblVehicleEF	MCY	0.62	0.64
tblVehicleEF	MCY	2.61	2.63
tblVehicleEF	MCY	0.69	2.28
tblVehicleEF	MCY	2.09	1.86
tblVehicleEF	MCY	2.2800e-003	2.2160e-003
tblVehicleEF	MCY	6.6700e-004	5.9300e-004
tblVehicleEF	MCY	1.16	1.18
tblVehicleEF	MCY	0.82	0.84
tblVehicleEF	MCY	0.62	0.64
tblVehicleEF	MCY	3.25	3.26
tblVehicleEF	MCY	0.69	2.28
tblVehicleEF	MCY	2.28	2.02
tblVehicleEF	MDV	0.01	6.5350e-003
tblVehicleEF	MDV	0.01	0.08
tblVehicleEF	MDV	1.33	1.22

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tblVehicleEF	MDV	2.48	3.10
tblVehicleEF	MDV	512.22	421.49
tblVehicleEF	MDV	103.14	83.59
tblVehicleEF	MDV	0.15	0.11
tblVehicleEF	MDV	0.22	0.34
tblVehicleEF	MDV	2.3560e-003	2.0880e-003
tblVehicleEF	MDV	2.5140e-003	2.0610e-003
tblVehicleEF	MDV	2.1720e-003	1.9250e-003
tblVehicleEF	MDV	2.3120e-003	1.8950e-003
tblVehicleEF	MDV	0.07	0.08
tblVehicleEF	MDV	0.15	0.14
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.09	0.43
tblVehicleEF	MDV	0.19	0.40
tblVehicleEF	MDV	5.1310e-003	4.1410e-003
tblVehicleEF	MDV	1.0750e-003	8.2200e-004
tblVehicleEF	MDV	0.07	0.08
tblVehicleEF	MDV	0.15	0.14
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.09	0.43
tblVehicleEF	MDV	0.21	0.44
tblVehicleEF	MDV	0.01	6.9310e-003
tblVehicleEF	MDV	0.01	0.07
tblVehicleEF	MDV	1.45	1.32
tblVehicleEF	MDV	2.12	2.63

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tblVehicleEF	MDV	534.67	433.96
tblVehicleEF	MDV	103.14	82.70
tblVehicleEF	MDV	0.13	0.10
tblVehicleEF	MDV	0.20	0.32
tblVehicleEF	MDV	2.3560e-003	2.0880e-003
tblVehicleEF	MDV	2.5140e-003	2.0610e-003
tblVehicleEF	MDV	2.1720e-003	1.9250e-003
tblVehicleEF	MDV	2.3120e-003	1.8950e-003
tblVehicleEF	MDV	0.10	0.13
tblVehicleEF	MDV	0.16	0.14
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.08	0.40
tblVehicleEF	MDV	0.17	0.36
tblVehicleEF	MDV	5.3570e-003	4.2630e-003
tblVehicleEF	MDV	1.0680e-003	8.1300e-004
tblVehicleEF	MDV	0.10	0.13
tblVehicleEF	MDV	0.16	0.15
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.08	0.40
tblVehicleEF	MDV	0.18	0.39
tblVehicleEF	MDV	0.01	6.4070e-003
tblVehicleEF	MDV	0.01	0.08
tblVehicleEF	MDV	1.29	1.18
tblVehicleEF	MDV	2.56	3.21
tblVehicleEF	MDV	503.99	416.89

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tblVehicleEF	MDV	103.14	83.79
tblVehicleEF	MDV	0.14	0.11
tblVehicleEF	MDV	0.22	0.35
tblVehicleEF	MDV	2.3560e-003	2.0880e-003
tblVehicleEF	MDV	2.5140e-003	2.0610e-003
tblVehicleEF	MDV	2.1720e-003	1.9250e-003
tblVehicleEF	MDV	2.3120e-003	1.8950e-003
tblVehicleEF	MDV	0.06	0.08
tblVehicleEF	MDV	0.16	0.15
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.10	0.50
tblVehicleEF	MDV	0.19	0.41
tblVehicleEF	MDV	5.0480e-003	4.0950e-003
tblVehicleEF	MDV	1.0760e-003	8.2400e-004
tblVehicleEF	MDV	0.06	0.08
tblVehicleEF	MDV	0.16	0.15
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.10	0.50
tblVehicleEF	MDV	0.21	0.45
tblVehicleEF	MH	0.03	3.1210e-003
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	2.24	0.27
tblVehicleEF	MH	5.78	0.00
tblVehicleEF	MH	1,130.03	965.33
tblVehicleEF	MH	60.43	0.00

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tblVehicleEF	MH	1.08	3.43
tblVehicleEF	MH	0.80	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.02	0.07
tblVehicleEF	MH	1.1280e-003	0.00
tblVehicleEF	MH	3.2020e-003	4.0000e-003
tblVehicleEF	MH	0.02	0.07
tblVehicleEF	MH	1.0370e-003	0.00
tblVehicleEF	MH	0.95	0.00
tblVehicleEF	MH	0.07	0.00
tblVehicleEF	MH	0.41	0.00
tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.33	0.00
tblVehicleEF	MH	0.01	9.1260e-003
tblVehicleEF	MH	7.0500e-004	0.00
tblVehicleEF	MH	0.95	0.00
tblVehicleEF	MH	0.07	0.00
tblVehicleEF	MH	0.41	0.00
tblVehicleEF	MH	0.12	0.08
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.36	0.00
tblVehicleEF	MH	0.03	3.1210e-003
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	2.30	0.27
tblVehicleEF	MH	5.44	0.00
tblVehicleEF	MH	1,130.03	965.33

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tblVehicleEF	MH	60.43	0.00
tblVehicleEF	MH	0.99	3.24
tblVehicleEF	MH	0.76	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.02	0.07
tblVehicleEF	MH	1.1280e-003	0.00
tblVehicleEF	MH	3.2020e-003	4.0000e-003
tblVehicleEF	MH	0.02	0.07
tblVehicleEF	MH	1.0370e-003	0.00
tblVehicleEF	MH	1.41	0.00
tblVehicleEF	MH	0.07	0.00
tblVehicleEF	MH	0.58	0.00
tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.31	0.00
tblVehicleEF	MH	0.01	9.1260e-003
tblVehicleEF	MH	6.9900e-004	0.00
tblVehicleEF	MH	1.41	0.00
tblVehicleEF	MH	0.07	0.00
tblVehicleEF	MH	0.58	0.00
tblVehicleEF	MH	0.12	0.08
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.34	0.00
tblVehicleEF	MH	0.03	3.1210e-003
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	2.22	0.27
tblVehicleEF	MH	5.83	0.00

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tblVehicleEF	MH	1,130.03	965.33
tblVehicleEF	MH	60.43	0.00
tblVehicleEF	MH	1.06	3.37
tblVehicleEF	MH	0.80	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.02	0.07
tblVehicleEF	MH	1.1280e-003	0.00
tblVehicleEF	MH	3.2020e-003	4.0000e-003
tblVehicleEF	MH	0.02	0.07
tblVehicleEF	MH	1.0370e-003	0.00
tblVehicleEF	MH	1.08	0.00
tblVehicleEF	MH	0.08	0.00
tblVehicleEF	MH	0.42	0.00
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.33	0.00
tblVehicleEF	MH	0.01	9.1260e-003
tblVehicleEF	MH	7.0600e-004	0.00
tblVehicleEF	MH	1.08	0.00
tblVehicleEF	MH	0.08	0.00
tblVehicleEF	MH	0.42	0.00
tblVehicleEF	MH	0.12	0.08
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.36	0.00
tblVehicleEF	MHD	0.02	4.4240e-003
tblVehicleEF	MHD	4.8560e-003	4.6020e-003
tblVehicleEF	MHD	0.05	0.01

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tblVehicleEF	MHD	0.37	0.39
tblVehicleEF	MHD	0.37	0.47
tblVehicleEF	MHD	6.14	1.44
tblVehicleEF	MHD	132.92	67.32
tblVehicleEF	MHD	1,150.98	1,070.87
tblVehicleEF	MHD	63.58	12.17
tblVehicleEF	MHD	0.49	0.47
tblVehicleEF	MHD	1.14	1.63
tblVehicleEF	MHD	9.96	1.29
tblVehicleEF	MHD	2.4800e-004	1.0730e-003
tblVehicleEF	MHD	5.1090e-003	0.03
tblVehicleEF	MHD	8.4300e-004	1.3800e-004
tblVehicleEF	MHD	2.3800e-004	1.0270e-003
tblVehicleEF	MHD	4.8830e-003	0.03
tblVehicleEF	MHD	7.7600e-004	1.2700e-004
tblVehicleEF	MHD	1.1350e-003	6.6800e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	7.4200e-004	4.3000e-004
tblVehicleEF	MHD	0.05	0.06
tblVehicleEF	MHD	0.02	0.14
tblVehicleEF	MHD	0.37	0.07
tblVehicleEF	MHD	1.2810e-003	6.4000e-004
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.4300e-004	1.2000e-004
tblVehicleEF	MHD	1.1350e-003	6.6800e-004
tblVehicleEF	MHD	0.05	0.03

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tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	7.4200e-004	4.3000e-004
tblVehicleEF	MHD	0.05	0.07
tblVehicleEF	MHD	0.02	0.14
tblVehicleEF	MHD	0.41	0.07
tblVehicleEF	MHD	0.02	4.1930e-003
tblVehicleEF	MHD	4.9280e-003	4.6540e-003
tblVehicleEF	MHD	0.05	0.01
tblVehicleEF	MHD	0.27	0.32
tblVehicleEF	MHD	0.38	0.48
tblVehicleEF	MHD	5.83	1.36
tblVehicleEF	MHD	140.78	68.14
tblVehicleEF	MHD	1,150.98	1,070.88
tblVehicleEF	MHD	63.58	12.05
tblVehicleEF	MHD	0.51	0.48
tblVehicleEF	MHD	1.08	1.54
tblVehicleEF	MHD	9.92	1.28
tblVehicleEF	MHD	2.0900e-004	9.0700e-004
tblVehicleEF	MHD	5.1090e-003	0.03
tblVehicleEF	MHD	8.4300e-004	1.3800e-004
tblVehicleEF	MHD	2.0000e-004	8.6800e-004
tblVehicleEF	MHD	4.8830e-003	0.03
tblVehicleEF	MHD	7.7600e-004	1.2700e-004
tblVehicleEF	MHD	1.7000e-003	9.9300e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	1.0480e-003	6.0400e-004

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tblVehicleEF	MHD	0.05	0.06
tblVehicleEF	MHD	0.02	0.14
tblVehicleEF	MHD	0.36	0.06
tblVehicleEF	MHD	1.3550e-003	6.4800e-004
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.3800e-004	1.1900e-004
tblVehicleEF	MHD	1.7000e-003	9.9300e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	1.0480e-003	6.0400e-004
tblVehicleEF	MHD	0.06	0.07
tblVehicleEF	MHD	0.02	0.14
tblVehicleEF	MHD	0.39	0.07
tblVehicleEF	MHD	0.02	4.7550e-003
tblVehicleEF	MHD	4.8360e-003	4.5850e-003
tblVehicleEF	MHD	0.05	0.01
tblVehicleEF	MHD	0.52	0.49
tblVehicleEF	MHD	0.37	0.47
tblVehicleEF	MHD	6.20	1.45
tblVehicleEF	MHD	122.05	66.18
tblVehicleEF	MHD	1,150.98	1,070.87
tblVehicleEF	MHD	63.58	12.19
tblVehicleEF	MHD	0.47	0.47
tblVehicleEF	MHD	1.12	1.60
tblVehicleEF	MHD	9.97	1.29
tblVehicleEF	MHD	3.0200e-004	1.3020e-003
tblVehicleEF	MHD	5.1090e-003	0.03

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tblVehicleEF	MHD	8.4300e-004	1.3800e-004
tblVehicleEF	MHD	2.8900e-004	1.2460e-003
tblVehicleEF	MHD	4.8830e-003	0.03
tblVehicleEF	MHD	7.7600e-004	1.2700e-004
tblVehicleEF	MHD	1.1690e-003	6.9100e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	7.2400e-004	4.2100e-004
tblVehicleEF	MHD	0.05	0.06
tblVehicleEF	MHD	0.02	0.16
tblVehicleEF	MHD	0.38	0.07
tblVehicleEF	MHD	1.1790e-003	6.2900e-004
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.4400e-004	1.2100e-004
tblVehicleEF	MHD	1.1690e-003	6.9100e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	7.2400e-004	4.2100e-004
tblVehicleEF	MHD	0.05	0.07
tblVehicleEF	MHD	0.02	0.16
tblVehicleEF	MHD	0.41	0.07
tblVehicleEF	OBUS	0.01	8.4750e-003
tblVehicleEF	OBUS	7.7220e-003	6.9630e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.28	0.60
tblVehicleEF	OBUS	0.53	0.78
tblVehicleEF	OBUS	5.41	2.39

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tblVehicleEF	OBUS	112.13	94.21
tblVehicleEF	OBUS	1,260.49	1,391.50
tblVehicleEF	OBUS	67.92	19.24
tblVehicleEF	OBUS	0.51	0.46
tblVehicleEF	OBUS	1.55	1.57
tblVehicleEF	OBUS	2.60	0.75
tblVehicleEF	OBUS	1.1400e-004	7.8900e-004
tblVehicleEF	OBUS	7.4300e-003	0.02
tblVehicleEF	OBUS	8.0700e-004	1.9700e-004
tblVehicleEF	OBUS	1.0900e-004	7.5500e-004
tblVehicleEF	OBUS	7.0930e-003	0.02
tblVehicleEF	OBUS	7.4200e-004	1.8100e-004
tblVehicleEF	OBUS	1.4340e-003	1.8390e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	7.6800e-004	9.4100e-004
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	0.04	0.26
tblVehicleEF	OBUS	0.34	0.11
tblVehicleEF	OBUS	1.0820e-003	8.9600e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.7400e-004	1.9000e-004
tblVehicleEF	OBUS	1.4340e-003	1.8390e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	7.6800e-004	9.4100e-004
tblVehicleEF	OBUS	0.08	0.08

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tblVehicleEF	OBUS	0.04	0.26
tblVehicleEF	OBUS	0.37	0.13
tblVehicleEF	OBUS	0.01	8.5340e-003
tblVehicleEF	OBUS	7.8490e-003	7.0850e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.27	0.58
tblVehicleEF	OBUS	0.54	0.80
tblVehicleEF	OBUS	5.11	2.26
tblVehicleEF	OBUS	117.81	94.08
tblVehicleEF	OBUS	1,260.49	1,391.52
tblVehicleEF	OBUS	67.92	19.02
tblVehicleEF	OBUS	0.53	0.45
tblVehicleEF	OBUS	1.46	1.48
tblVehicleEF	OBUS	2.57	0.74
tblVehicleEF	OBUS	9.6000e-005	6.7100e-004
tblVehicleEF	OBUS	7.4300e-003	0.02
tblVehicleEF	OBUS	8.0700e-004	1.9700e-004
tblVehicleEF	OBUS	9.2000e-005	6.4200e-004
tblVehicleEF	OBUS	7.0930e-003	0.02
tblVehicleEF	OBUS	7.4200e-004	1.8100e-004
tblVehicleEF	OBUS	2.1010e-003	2.6500e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	1.0830e-003	1.3070e-003
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	0.04	0.26
tblVehicleEF	OBUS	0.32	0.11

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tblVehicleEF	OBUS	1.1360e-003	8.9500e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.6900e-004	1.8800e-004
tblVehicleEF	OBUS	2.1010e-003	2.6500e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	1.0830e-003	1.3070e-003
tblVehicleEF	OBUS	0.08	0.08
tblVehicleEF	OBUS	0.04	0.26
tblVehicleEF	OBUS	0.35	0.12
tblVehicleEF	OBUS	0.01	8.4130e-003
tblVehicleEF	OBUS	7.6880e-003	6.9290e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.30	0.61
tblVehicleEF	OBUS	0.53	0.78
tblVehicleEF	OBUS	5.47	2.42
tblVehicleEF	OBUS	104.30	94.40
tblVehicleEF	OBUS	1,260.49	1,391.49
tblVehicleEF	OBUS	67.92	19.29
tblVehicleEF	OBUS	0.49	0.47
tblVehicleEF	OBUS	1.52	1.55
tblVehicleEF	OBUS	2.61	0.76
tblVehicleEF	OBUS	1.3900e-004	9.5300e-004
tblVehicleEF	OBUS	7.4300e-003	0.02
tblVehicleEF	OBUS	8.0700e-004	1.9700e-004
tblVehicleEF	OBUS	1.3300e-004	9.1200e-004
tblVehicleEF	OBUS	7.0930e-003	0.02

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tblVehicleEF	OBUS	7.4200e-004	1.8100e-004
tblVehicleEF	OBUS	1.4690e-003	1.9220e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	7.4700e-004	9.2400e-004
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	0.04	0.28
tblVehicleEF	OBUS	0.34	0.12
tblVehicleEF	OBUS	1.0070e-003	8.9800e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.7500e-004	1.9100e-004
tblVehicleEF	OBUS	1.4690e-003	1.9220e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.06	0.07
tblVehicleEF	OBUS	7.4700e-004	9.2400e-004
tblVehicleEF	OBUS	0.08	0.08
tblVehicleEF	OBUS	0.04	0.28
tblVehicleEF	OBUS	0.37	0.13
tblVehicleEF	SBUS	0.84	0.07
tblVehicleEF	SBUS	0.01	7.0600e-003
tblVehicleEF	SBUS	0.06	6.7770e-003
tblVehicleEF	SBUS	8.15	2.99
tblVehicleEF	SBUS	0.72	0.60
tblVehicleEF	SBUS	7.31	0.93
tblVehicleEF	SBUS	1,121.00	354.63
tblVehicleEF	SBUS	1,079.30	1,100.97
tblVehicleEF	SBUS	55.06	5.73

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tblVehicleEF	SBUS	9.20	3.14
tblVehicleEF	SBUS	4.17	4.65
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tblVehicleEF	SBUS	9.3410e-003	3.9540e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	8.1500e-004	5.5000e-005
tblVehicleEF	SBUS	8.9370e-003	3.7830e-003
tblVehicleEF	SBUS	2.6670e-003	2.6630e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	7.5000e-004	5.1000e-005
tblVehicleEF	SBUS	3.3650e-003	9.8900e-004
tblVehicleEF	SBUS	0.03	8.5880e-003
tblVehicleEF	SBUS	0.97	0.34
tblVehicleEF	SBUS	1.7650e-003	5.2700e-004
tblVehicleEF	SBUS	0.10	0.09
tblVehicleEF	SBUS	0.01	0.06
tblVehicleEF	SBUS	0.38	0.04
tblVehicleEF	SBUS	0.01	3.3860e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.7700e-004	5.7000e-005
tblVehicleEF	SBUS	3.3650e-003	9.8900e-004
tblVehicleEF	SBUS	0.03	8.5880e-003
tblVehicleEF	SBUS	1.40	0.49
tblVehicleEF	SBUS	1.7650e-003	5.2700e-004
tblVehicleEF	SBUS	0.13	0.11
tblVehicleEF	SBUS	0.01	0.06

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tblVehicleEF	SBUS	0.42	0.04
tblVehicleEF	SBUS	0.84	0.07
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tblVehicleEF	SBUS	1,079.30	1,100.99
tblVehicleEF	SBUS	55.06	5.44
tblVehicleEF	SBUS	9.50	3.21
tblVehicleEF	SBUS	3.93	4.39
tblVehicleEF	SBUS	12.09	0.90
tblVehicleEF	SBUS	7.8750e-003	3.3400e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	8.1500e-004	5.5000e-005
tblVehicleEF	SBUS	7.5340e-003	3.1960e-003
tblVehicleEF	SBUS	2.6670e-003	2.6630e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	7.5000e-004	5.1000e-005
tblVehicleEF	SBUS	4.9570e-003	1.4290e-003
tblVehicleEF	SBUS	0.03	8.7250e-003
tblVehicleEF	SBUS	0.97	0.34
tblVehicleEF	SBUS	2.5080e-003	7.3100e-004
tblVehicleEF	SBUS	0.10	0.09
tblVehicleEF	SBUS	0.01	0.05

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tblVehicleEF	SBUS	0.34	0.03
tblVehicleEF	SBUS	0.01	3.4580e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.5400e-004	5.4000e-005
tblVehicleEF	SBUS	4.9570e-003	1.4290e-003
tblVehicleEF	SBUS	0.03	8.7250e-003
tblVehicleEF	SBUS	1.40	0.49
tblVehicleEF	SBUS	2.5080e-003	7.3100e-004
tblVehicleEF	SBUS	0.13	0.11
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.37	0.04
tblVehicleEF	SBUS	0.84	0.07
tblVehicleEF	SBUS	0.01	7.0350e-003
tblVehicleEF	SBUS	0.07	6.9450e-003
tblVehicleEF	SBUS	8.31	3.04
tblVehicleEF	SBUS	0.72	0.60
tblVehicleEF	SBUS	7.56	0.96
tblVehicleEF	SBUS	1,051.30	344.05
tblVehicleEF	SBUS	1,079.30	1,100.97
tblVehicleEF	SBUS	55.06	5.78
tblVehicleEF	SBUS	8.80	3.05
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tblVehicleEF	SBUS	12.13	0.90
tblVehicleEF	SBUS	0.01	4.8000e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	8.1500e-004	5.5000e-005

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tblVehicleEF	SBUS	0.01	4.5930e-003
tblVehicleEF	SBUS	2.6670e-003	2.6630e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	7.5000e-004	5.1000e-005
tblVehicleEF	SBUS	3.4320e-003	1.0030e-003
tblVehicleEF	SBUS	0.03	9.0230e-003
tblVehicleEF	SBUS	0.98	0.34
tblVehicleEF	SBUS	1.6940e-003	5.0600e-004
tblVehicleEF	SBUS	0.10	0.09
tblVehicleEF	SBUS	0.02	0.07
tblVehicleEF	SBUS	0.39	0.04
tblVehicleEF	SBUS	0.01	3.2860e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.8100e-004	5.7000e-005
tblVehicleEF	SBUS	3.4320e-003	1.0030e-003
tblVehicleEF	SBUS	0.03	9.0230e-003
tblVehicleEF	SBUS	1.41	0.49
tblVehicleEF	SBUS	1.6940e-003	5.0600e-004
tblVehicleEF	SBUS	0.13	0.11
tblVehicleEF	SBUS	0.02	0.07
tblVehicleEF	SBUS	0.43	0.04
tblVehicleEF	UBUS	2.61	5.85
tblVehicleEF	UBUS	0.05	0.01
tblVehicleEF	UBUS	11.22	45.42
tblVehicleEF	UBUS	8.87	0.71
tblVehicleEF	UBUS	1,968.89	1,991.58
tblVehicleEF	UBUS	96.56	8.61

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tblVehicleEF	UBUS	9.98	0.47
tblVehicleEF	UBUS	15.36	0.08
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.13	3.1840e-003
tblVehicleEF	UBUS	1.0870e-003	4.6000e-005
tblVehicleEF	UBUS	0.26	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9690e-003
tblVehicleEF	UBUS	0.13	3.0430e-003
tblVehicleEF	UBUS	9.9900e-004	4.3000e-005
tblVehicleEF	UBUS	4.1440e-003	6.6500e-004
tblVehicleEF	UBUS	0.07	8.4730e-003
tblVehicleEF	UBUS	2.3870e-003	4.9100e-004
tblVehicleEF	UBUS	0.85	0.09
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.68	0.05
tblVehicleEF	UBUS	9.8600e-003	1.4410e-003
tblVehicleEF	UBUS	1.1250e-003	8.5000e-005
tblVehicleEF	UBUS	4.1440e-003	6.6500e-004
tblVehicleEF	UBUS	0.07	8.4730e-003
tblVehicleEF	UBUS	2.3870e-003	4.9100e-004
tblVehicleEF	UBUS	3.56	5.97
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.74	0.05
tblVehicleEF	UBUS	2.61	5.85
tblVehicleEF	UBUS	0.05	0.01
tblVehicleEF	UBUS	11.27	45.42

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tblVehicleEF	UBUS	7.69	0.63
tblVehicleEF	UBUS	1,968.89	1,991.58
tblVehicleEF	UBUS	96.56	8.46
tblVehicleEF	UBUS	9.41	0.47
tblVehicleEF	UBUS	15.31	0.08
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.13	3.1840e-003
tblVehicleEF	UBUS	1.0870e-003	4.6000e-005
tblVehicleEF	UBUS	0.26	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9690e-003
tblVehicleEF	UBUS	0.13	3.0430e-003
tblVehicleEF	UBUS	9.9900e-004	4.3000e-005
tblVehicleEF	UBUS	5.9080e-003	9.6200e-004
tblVehicleEF	UBUS	0.07	8.7330e-003
tblVehicleEF	UBUS	3.2830e-003	6.7600e-004
tblVehicleEF	UBUS	0.86	0.09
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.62	0.04
tblVehicleEF	UBUS	9.8610e-003	1.4410e-003
tblVehicleEF	UBUS	1.1050e-003	8.4000e-005
tblVehicleEF	UBUS	5.9080e-003	9.6200e-004
tblVehicleEF	UBUS	0.07	8.7330e-003
tblVehicleEF	UBUS	3.2830e-003	6.7600e-004
tblVehicleEF	UBUS	3.57	5.97
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.68	0.05

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tblVehicleEF	UBUS	2.61	5.85
tblVehicleEF	UBUS	0.05	0.01
tblVehicleEF	UBUS	11.21	45.42
tblVehicleEF	UBUS	9.08	0.73
tblVehicleEF	UBUS	1,968.89	1,991.58
tblVehicleEF	UBUS	96.56	8.64
tblVehicleEF	UBUS	9.79	0.47
tblVehicleEF	UBUS	15.38	0.09
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.13	3.1840e-003
tblVehicleEF	UBUS	1.0870e-003	4.6000e-005
tblVehicleEF	UBUS	0.26	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9690e-003
tblVehicleEF	UBUS	0.13	3.0430e-003
tblVehicleEF	UBUS	9.9900e-004	4.3000e-005
tblVehicleEF	UBUS	4.7000e-003	6.4800e-004
tblVehicleEF	UBUS	0.08	9.0360e-003
tblVehicleEF	UBUS	2.5010e-003	4.6600e-004
tblVehicleEF	UBUS	0.85	0.09
tblVehicleEF	UBUS	0.03	0.07
tblVehicleEF	UBUS	0.69	0.05
tblVehicleEF	UBUS	9.8590e-003	1.4410e-003
tblVehicleEF	UBUS	1.1290e-003	8.5000e-005
tblVehicleEF	UBUS	4.7000e-003	6.4800e-004
tblVehicleEF	UBUS	0.08	9.0360e-003
tblVehicleEF	UBUS	2.5010e-003	4.6600e-004

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tblVehicleEF	UBUS	3.55	5.97
tblVehicleEF	UBUS	0.03	0.07
tblVehicleEF	UBUS	0.75	0.05
tblVehicleTrips	CC_TTP	48.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CW_TL	16.60	40.00
tblVehicleTrips	CW_TTP	33.00	0.00
tblVehicleTrips	CW_TTP	0.00	100.00
tblVehicleTrips	DV_TP	28.00	0.00
tblVehicleTrips	PB_TP	6.00	0.00
tblVehicleTrips	PR_TP	66.00	0.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	1.32	1.83
tblVehicleTrips	ST_TR	0.00	0.17
tblVehicleTrips	ST_TR	1.68	0.14
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	0.68	4.59
tblVehicleTrips	SU_TR	0.00	0.41
tblVehicleTrips	SU_TR	1.68	0.06
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	6.97	4.56
tblVehicleTrips	WD_TR	0.00	0.45
tblVehicleTrips	WD_TR	1.68	1.26

2.0 Emissions Summary

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2.1 Overall Construction

Unmitigated Construction

[illegible]

Mitigated Construction

[illegible][illegible]

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Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
		Highest		

2.2 Overall Operational**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.5137	8.0000e-005	8.6600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0168	0.0168	4.0000e-005	0.0000	0.0179
Energy	4.9600e-003	0.0451	0.0379	2.7000e-004		3.4300e-003	3.4300e-003		3.4300e-003	3.4300e-003	0.0000	266.4163	266.4163	9.7900e-003	2.8200e-003	267.5027
Mobile	0.2252	2.4577	2.3683	0.0144	0.8429	0.0240	0.8669	0.2291	0.0229	0.2520	0.0000	1,385.0684	1,385.0684	0.0555	0.0000	1,386.4553
Offroad	0.0445	0.4627	0.2769	1.1600e-003		0.0160	0.0160		0.0147	0.0147	0.0000	101.5843	101.5843	0.0329	0.0000	102.4057
Waste						0.0000	0.0000		0.0000	0.0000	27.3612	0.0000	27.3612	1.6170	0.0000	67.7861
Water						0.0000	0.0000		0.0000	0.0000	9.0679	98.0692	107.1371	0.9354	0.0229	137.3332
Total	0.7884	2.9655	2.6917	0.0158	0.8429	0.0434	0.8863	0.2291	0.0410	0.2701	36.4291	1,851.1550	1,887.5840	2.6505	0.0257	1,961.5009

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2.2 Overall Operational**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.5137	8.0000e-005	8.6600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0168	0.0168	4.0000e-005	0.0000	0.0179
Energy	4.9600e-003	0.0451	0.0379	2.7000e-004		3.4300e-003	3.4300e-003		3.4300e-003	3.4300e-003	0.0000	266.4163	266.4163	9.7900e-003	2.8200e-003	267.5027
Mobile	0.2252	2.4577	2.3683	0.0144	0.8429	0.0240	0.8669	0.2291	0.0229	0.2520	0.0000	1,385.0684	1,385.0684	0.0555	0.0000	1,386.4553
Offroad	0.0445	0.4627	0.2769	1.1600e-003		0.0160	0.0160		0.0147	0.0147	0.0000	101.5843	101.5843	0.0329	0.0000	102.4057
Waste						0.0000	0.0000		0.0000	0.0000	27.3612	0.0000	27.3612	1.6170	0.0000	67.7861
Water						0.0000	0.0000		0.0000	0.0000	9.0679	98.0692	107.1371	0.9354	0.0229	137.3332
Total	0.7884	2.9655	2.6917	0.0158	0.8429	0.0434	0.8863	0.2291	0.0410	0.2701	36.4291	1,851.1550	1,887.5840	2.6505	0.0257	1,961.5009

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	8/16/2021	9/10/2021	5	20	

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Acres of Grading (Site Preparation Phase): 0**Acres of Grading (Grading Phase): 0****Acres of Paving: 2.65****Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)****OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Excavators	0	8.00	158	0.38
Demolition	Rubber Tired Dozers	0	8.00	247	0.40

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	0	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

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3.2 Demolition - 2021

Unmitigated Construction On-Site

[illegible]

Unmitigated Construction Off-Site

[illegible]

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3.2 Demolition - 2021**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.0 Operational Detail - Mobile

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4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.2252	2.4577	2.3683	0.0144	0.8429	0.0240	0.8669	0.2291	0.0229	0.2520	0.0000	1,385.0684	1,385.0684	0.0555	0.0000	1,386.4553
Unmitigated	0.2252	2.4577	2.3683	0.0144	0.8429	0.0240	0.8669	0.2291	0.0229	0.2520	0.0000	1,385.0684	1,385.0684	0.0555	0.0000	1,386.4553

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
General Light Industry	281.80	113.09	283.65	1,142,330	1,142,330
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
User Defined Industrial	56.91	21.35	51.49	743,342	743,342
Unrefrigerated Warehouse-No Rail	77.86	8.65	3.71	245,927	245,927
Total	416.57	143.09	338.85	2,131,599	2,131,599

4.3 Trip Type Information

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Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
User Defined Industrial	40.00	8.40	6.90	100.00	0.00	0.00	100	0	0
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
General Light Industry	0.593400	0.048800	0.221500	0.130700	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.005600	0.000000	0.000000
Other Asphalt Surfaces	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
Parking Lot	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
User Defined Industrial	0.000000	0.000000	0.000000	0.000000	0.121800	0.048000	0.207500	0.622700	0.000000	0.000000	0.000000	0.000000	0.000000
Unrefrigerated Warehouse-No Rail	0.593400	0.048800	0.221500	0.130700	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.005600	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	217.3454	217.3454	8.8500e-003	1.9200e-003	218.1402
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	217.3454	217.3454	8.8500e-003	1.9200e-003	218.1402
NaturalGas Mitigated	4.9600e-003	0.0451	0.0379	2.7000e-004		3.4300e-003	3.4300e-003		3.4300e-003	3.4300e-003	0.0000	49.0709	49.0709	9.4000e-004	9.0000e-004	49.3625
NaturalGas Unmitigated	4.9600e-003	0.0451	0.0379	2.7000e-004		3.4300e-003	3.4300e-003		3.4300e-003	3.4300e-003	0.0000	49.0709	49.0709	9.4000e-004	9.0000e-004	49.3625

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5.2 Energy by Land Use - NaturalGas**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Light Industry	865790	4.6700e-003	0.0424	0.0357	2.5000e-004		3.2300e-003	3.2300e-003		3.2300e-003	3.2300e-003	0.0000	46.2019	46.2019	8.9000e-004	8.5000e-004	46.4764
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	53763.4	2.9000e-004	2.6400e-003	2.2100e-003	2.0000e-005		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004	0.0000	2.8690	2.8690	5.0000e-005	5.0000e-005	2.8861
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		4.9600e-003	0.0451	0.0379	2.7000e-004		3.4300e-003	3.4300e-003		3.4300e-003	3.4300e-003	0.0000	49.0709	49.0709	9.4000e-004	9.0000e-004	49.3625

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5.2 Energy by Land Use - NaturalGas**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Light Industry	865790	4.6700e-003	0.0424	0.0357	2.5000e-004		3.2300e-003	3.2300e-003		3.2300e-003	3.2300e-003	0.0000	46.2019	46.2019	8.9000e-004	8.5000e-004	46.4764
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	53763.4	2.9000e-004	2.6400e-003	2.2100e-003	2.0000e-005		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004	0.0000	2.8690	2.8690	5.0000e-005	5.0000e-005	2.8861
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		4.9600e-003	0.0451	0.0379	2.7000e-004		3.4300e-003	3.4300e-003		3.4300e-003	3.4300e-003	0.0000	49.0709	49.0709	9.4000e-004	9.0000e-004	49.3625

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Annual

5.3 Energy by Land Use - Electricity**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
General Light Industry	587081	150.3664	6.1200e-003	1.3300e-003	150.9163
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	20500.2	5.2506	2.1000e-004	5.0000e-005	5.2698
Unrefrigerated Warehouse-No Rail	241008	61.7284	2.5100e-003	5.5000e-004	61.9541
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		217.3454	8.8400e-003	1.9300e-003	218.1402

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5.3 Energy by Land Use - Electricity**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
General Light Industry	587081	150.3664	6.1200e-003	1.3300e-003	150.9163
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	20500.2	5.2506	2.1000e-004	5.0000e-005	5.2698
Unrefrigerated Warehouse-No Rail	241008	61.7284	2.5100e-003	5.5000e-004	61.9541
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		217.3454	8.8400e-003	1.9300e-003	218.1402

6.0 Area Detail**6.1 Mitigation Measures Area**

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.5137	8.0000e-005	8.6600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0168	0.0168	4.0000e-005	0.0000	0.0179
Unmitigated	0.5137	8.0000e-005	8.6600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0168	0.0168	4.0000e-005	0.0000	0.0179

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0588					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.4541					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	8.1000e-004	8.0000e-005	8.6600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0168	0.0168	4.0000e-005	0.0000	0.0179
Total	0.5137	8.0000e-005	8.6600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0168	0.0168	4.0000e-005	0.0000	0.0179

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6.2 Area by SubCategory**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0588					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.4541					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	8.1000e-004	8.0000e-005	8.6600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0168	0.0168	4.0000e-005	0.0000	0.0179
Total	0.5137	8.0000e-005	8.6600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0168	0.0168	4.0000e-005	0.0000	0.0179

7.0 Water Detail**7.1 Mitigation Measures Water**

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	107.1371	0.9354	0.0229	137.3332
Unmitigated	107.1371	0.9354	0.0229	137.3332

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Annual

7.2 Water by Land Use**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 0.9651	2.7462	1.1000e-004	2.0000e-005	2.7563
General Light Industry	14.2913 / 0	52.1954	0.4676	0.0114	67.2885
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	14.2913 / 0	52.1954	0.4676	0.0114	67.2885
User Defined Industrial	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		107.1371	0.9354	0.0229	137.3332

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7.2 Water by Land Use**Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 0.9651	2.7462	1.1000e-004	2.0000e-005	2.7563
General Light Industry	14.2913 / 0	52.1954	0.4676	0.0114	67.2885
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	14.2913 / 0	52.1954	0.4676	0.0114	67.2885
User Defined Industrial	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		107.1371	0.9354	0.0229	137.3332

8.0 Waste Detail**8.1 Mitigation Measures Waste**

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Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	27.3612	1.6170	0.0000	67.7861
Unmitigated	27.3612	1.6170	0.0000	67.7861

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8.2 Waste by Land Use**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.07	0.0142	8.4000e-004	0.0000	0.0352
General Light Industry	76.63	15.5552	0.9193	0.0000	38.5373
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	58.09	11.7918	0.6969	0.0000	29.2136
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		27.3612	1.6170	0.0000	67.7861

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8.2 Waste by Land Use**Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.07	0.0142	8.4000e-004	0.0000	0.0352
General Light Industry	76.63	15.5552	0.9193	0.0000	38.5373
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	58.09	11.7918	0.6969	0.0000	29.2136
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		27.3612	1.6170	0.0000	67.7861

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Tractors/Loaders/Backhoes	2	4.00	365	200	0.37	CNG

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UnMitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	tons/yr										MT/yr					
Tractors/Loaders/Backhoes	0.0445	0.4627	0.2769	1.1600e-003		0.0160	0.0160		0.0147	0.0147	0.0000	101.5843	101.5843	0.0329	0.0000	102.4057
Total	0.0445	0.4627	0.2769	1.1600e-003		0.0160	0.0160		0.0147	0.0147	0.0000	101.5843	101.5843	0.0329	0.0000	102.4057

10.0 Stationary Equipment**Fire Pumps and Emergency Generators**

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
----------------	--------	-----------	------------	-------------	-------------	-----------

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

User Defined Equipment

Equipment Type	Number
----------------	--------

11.0 Vegetation

APPENDIX 3.3:

CALEEMOD CURRENTLY ADOPTED OPERATIONAL EMISSIONS MODEL OUTPUTS

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San Francisco Avenue (Currently Approved Operations) - Los Angeles-South Coast County, Annual

San Francisco Avenue (Currently Approved Operations)
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1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	137.43	1000sqft	3.16	137,432.00	0
User Defined Industrial	137.43	User Defined Unit	0.00	0.00	0
Other Asphalt Surfaces	3.14	Acre	3.14	136,778.40	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9			Operational Year	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	564.66	CH4 Intensity (lb/MWhr)	0.023	N2O Intensity (lb/MWhr)	0.005

1.3 User Entered Comments & Non-Default Data

San Francisco Avenue (Currently Approved Operations) - Los Angeles-South Coast County, Annual

Project Characteristics - Intensity factors adjusted to reflect the RPS for the 2022 Opening Year

Land Use - Total Project area is approximately 6.3 acres

Construction Phase - Operations run only

Off-road Equipment - Operations run only

Trips and VMT - Operations run only

Vehicle Trips - Trip characteristics based on information provided in the Traffic Assessment

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Energy Use - The Project will design building shells and building components to meet 2019 Title 24 Standards which expects 30% less energy for nonresidential uses

Operational Off-Road Equipment - Based on SCAQMD High Cube Warehouse Truck Trip Study White Paper Summary of Business Survey Results (2014)

Fleet Mix - Passenger Car Mix estimated based on the CalEEMod default fleet mix and the ratio of the vehicle classes (LDA, LDT1, LDT2, MDV, & MCY). Truck Mix based on information in the Traffic Analysis

Water And Wastewater -

Table Name	Column Name	Default Value	New Value
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tblFleetMix	HHD	0.03	0.63
tblFleetMix	LDA	0.55	0.00
tblFleetMix	LDA	0.55	0.00
tblFleetMix	LDT1	0.04	0.00
tblFleetMix	LDT1	0.04	0.00
tblFleetMix	LDT2	0.20	0.00
tblFleetMix	LDT2	0.20	0.00
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD1	0.02	0.12
tblFleetMix	LHD2	6.1960e-003	0.00

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tblFleetMix	LHD2	6.1960e-003	0.05
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tblFleetMix	MDV	0.12	0.00
tblFleetMix	MH	8.7600e-004	0.00
tblFleetMix	MH	8.7600e-004	0.00
tblFleetMix	MHD	0.02	0.00
tblFleetMix	MHD	0.02	0.21
tblFleetMix	OBUS	2.5150e-003	0.00
tblFleetMix	OBUS	2.5150e-003	0.00
tblFleetMix	SBUS	6.8700e-004	0.00
tblFleetMix	SBUS	6.8700e-004	0.00
tblFleetMix	UBUS	2.2010e-003	0.00
tblFleetMix	UBUS	2.2010e-003	0.00
tblLandUse	LandUseSquareFeet	137,430.00	137,432.00
tblLandUse	LotAcreage	3.15	3.16
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	365.00
tblOperationalOffRoadEquipment	OperFuelType	Diesel	CNG
tblOperationalOffRoadEquipment	OperHorsePower	97.00	200.00
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	4.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	1.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.023
tblProjectCharacteristics	CO2IntensityFactor	702.44	564.66

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tblProjectCharacteristics	N2OIntensityFactor	0.006	0.005
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tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8380e-003	8.8970e-003
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tblVehicleEF	HHD	8.0000e-005	1.0000e-006
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tblVehicleEF	HHD	0.08	3.0000e-006

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tblVehicleEF	HHD	0.04	0.01
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.6000e-004	1.0000e-006
tblVehicleEF	HHD	1.0300e-004	8.0000e-006
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tblVehicleEF	LDA	2.0830e-003	1.6940e-003
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.21

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tblVehicleEF	LDA	0.07	0.22
tblVehicleEF	LDA	2.7480e-003	2.6780e-003
tblVehicleEF	LDA	5.9000e-004	5.2700e-004
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.21
tblVehicleEF	LDA	0.08	0.25
tblVehicleEF	LDA	5.6740e-003	3.2280e-003
tblVehicleEF	LDA	4.8010e-003	0.04
tblVehicleEF	LDA	0.72	0.79
tblVehicleEF	LDA	0.98	1.79
tblVehicleEF	LDA	287.10	284.40
tblVehicleEF	LDA	57.08	53.05
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.06	0.17
tblVehicleEF	LDA	2.1700e-003	1.8010e-003
tblVehicleEF	LDA	2.2660e-003	1.8420e-003
tblVehicleEF	LDA	2.0000e-003	1.6590e-003
tblVehicleEF	LDA	2.0830e-003	1.6940e-003
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.11	0.10
tblVehicleEF	LDA	0.05	0.07
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.20
tblVehicleEF	LDA	0.06	0.20

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tblVehicleEF	LDA	2.8760e-003	2.7950e-003
tblVehicleEF	LDA	5.8700e-004	5.2200e-004
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.11	0.10
tblVehicleEF	LDA	0.05	0.07
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.20
tblVehicleEF	LDA	0.07	0.22
tblVehicleEF	LDA	5.2330e-003	2.9600e-003
tblVehicleEF	LDA	5.5300e-003	0.05
tblVehicleEF	LDA	0.63	0.69
tblVehicleEF	LDA	1.19	2.17
tblVehicleEF	LDA	269.66	268.07
tblVehicleEF	LDA	57.08	53.75
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.07	0.19
tblVehicleEF	LDA	2.1700e-003	1.8010e-003
tblVehicleEF	LDA	2.2660e-003	1.8420e-003
tblVehicleEF	LDA	2.0000e-003	1.6590e-003
tblVehicleEF	LDA	2.0830e-003	1.6940e-003
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.05	0.24
tblVehicleEF	LDA	0.07	0.23
tblVehicleEF	LDA	2.7010e-003	2.6350e-003

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tblVehicleEF	LDA	5.9100e-004	5.2800e-004
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.05	0.24
tblVehicleEF	LDA	0.08	0.25
tblVehicleEF	LDT1	0.02	7.7270e-003
tblVehicleEF	LDT1	0.01	0.07
tblVehicleEF	LDT1	1.68	1.45
tblVehicleEF	LDT1	2.78	2.27
tblVehicleEF	LDT1	341.15	320.55
tblVehicleEF	LDT1	69.44	63.67
tblVehicleEF	LDT1	0.16	0.12
tblVehicleEF	LDT1	0.16	0.26
tblVehicleEF	LDT1	3.5390e-003	2.7170e-003
tblVehicleEF	LDT1	3.4320e-003	2.6310e-003
tblVehicleEF	LDT1	3.2590e-003	2.5000e-003
tblVehicleEF	LDT1	3.1560e-003	2.4190e-003
tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	0.26	0.20
tblVehicleEF	LDT1	0.11	0.11
tblVehicleEF	LDT1	0.04	0.03
tblVehicleEF	LDT1	0.17	0.69
tblVehicleEF	LDT1	0.19	0.35
tblVehicleEF	LDT1	3.4330e-003	3.1520e-003
tblVehicleEF	LDT1	7.4300e-004	6.2600e-004

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tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	0.26	0.20
tblVehicleEF	LDT1	0.11	0.11
tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.17	0.69
tblVehicleEF	LDT1	0.21	0.39
tblVehicleEF	LDT1	0.02	8.1770e-003
tblVehicleEF	LDT1	0.01	0.06
tblVehicleEF	LDT1	1.82	1.58
tblVehicleEF	LDT1	2.36	1.93
tblVehicleEF	LDT1	356.02	332.71
tblVehicleEF	LDT1	69.44	63.00
tblVehicleEF	LDT1	0.14	0.10
tblVehicleEF	LDT1	0.15	0.24
tblVehicleEF	LDT1	3.5390e-003	2.7170e-003
tblVehicleEF	LDT1	3.4320e-003	2.6310e-003
tblVehicleEF	LDT1	3.2590e-003	2.5000e-003
tblVehicleEF	LDT1	3.1560e-003	2.4190e-003
tblVehicleEF	LDT1	0.20	0.20
tblVehicleEF	LDT1	0.28	0.21
tblVehicleEF	LDT1	0.15	0.15
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.16	0.64
tblVehicleEF	LDT1	0.17	0.31
tblVehicleEF	LDT1	3.5840e-003	3.2710e-003
tblVehicleEF	LDT1	7.3600e-004	6.1900e-004
tblVehicleEF	LDT1	0.20	0.20

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tblVehicleEF	LDT1	0.28	0.21
tblVehicleEF	LDT1	0.15	0.15
tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.16	0.64
tblVehicleEF	LDT1	0.18	0.34
tblVehicleEF	LDT1	0.02	7.5820e-003
tblVehicleEF	LDT1	0.01	0.07
tblVehicleEF	LDT1	1.63	1.41
tblVehicleEF	LDT1	2.87	2.35
tblVehicleEF	LDT1	335.69	316.06
tblVehicleEF	LDT1	69.44	63.82
tblVehicleEF	LDT1	0.15	0.12
tblVehicleEF	LDT1	0.16	0.26
tblVehicleEF	LDT1	3.5390e-003	2.7170e-003
tblVehicleEF	LDT1	3.4320e-003	2.6310e-003
tblVehicleEF	LDT1	3.2590e-003	2.5000e-003
tblVehicleEF	LDT1	3.1560e-003	2.4190e-003
tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	0.30	0.22
tblVehicleEF	LDT1	0.10	0.10
tblVehicleEF	LDT1	0.04	0.03
tblVehicleEF	LDT1	0.20	0.82
tblVehicleEF	LDT1	0.20	0.36
tblVehicleEF	LDT1	3.3780e-003	3.1070e-003
tblVehicleEF	LDT1	7.4500e-004	6.2800e-004
tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	0.30	0.22

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tblVehicleEF	LDT1	0.10	0.10
tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.20	0.82
tblVehicleEF	LDT1	0.21	0.40
tblVehicleEF	LDT2	7.2180e-003	4.9730e-003
tblVehicleEF	LDT2	6.3970e-003	0.07
tblVehicleEF	LDT2	0.84	1.02
tblVehicleEF	LDT2	1.35	2.65
tblVehicleEF	LDT2	381.91	343.42
tblVehicleEF	LDT2	78.07	68.73
tblVehicleEF	LDT2	0.08	0.09
tblVehicleEF	LDT2	0.11	0.28
tblVehicleEF	LDT2	2.1510e-003	1.9110e-003
tblVehicleEF	LDT2	2.3580e-003	1.8910e-003
tblVehicleEF	LDT2	1.9790e-003	1.7590e-003
tblVehicleEF	LDT2	2.1690e-003	1.7390e-003
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.10	0.12
tblVehicleEF	LDT2	0.05	0.07
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.41
tblVehicleEF	LDT2	0.09	0.31
tblVehicleEF	LDT2	3.8260e-003	3.3760e-003
tblVehicleEF	LDT2	8.0300e-004	6.7600e-004
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.10	0.12
tblVehicleEF	LDT2	0.05	0.07

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tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.06	0.41
tblVehicleEF	LDT2	0.09	0.34
tblVehicleEF	LDT2	7.6530e-003	5.2910e-003
tblVehicleEF	LDT2	5.6920e-003	0.06
tblVehicleEF	LDT2	0.92	1.12
tblVehicleEF	LDT2	1.15	2.26
tblVehicleEF	LDT2	399.04	355.31
tblVehicleEF	LDT2	78.07	67.99
tblVehicleEF	LDT2	0.07	0.08
tblVehicleEF	LDT2	0.10	0.26
tblVehicleEF	LDT2	2.1510e-003	1.9110e-003
tblVehicleEF	LDT2	2.3580e-003	1.8910e-003
tblVehicleEF	LDT2	1.9790e-003	1.7590e-003
tblVehicleEF	LDT2	2.1690e-003	1.7390e-003
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.10	0.13
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.38
tblVehicleEF	LDT2	0.08	0.28
tblVehicleEF	LDT2	3.9980e-003	3.4930e-003
tblVehicleEF	LDT2	8.0000e-004	6.6800e-004
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.10	0.13
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.03	0.03

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tblVehicleEF	LDT2	0.06	0.38
tblVehicleEF	LDT2	0.08	0.31
tblVehicleEF	LDT2	7.0750e-003	4.8730e-003
tblVehicleEF	LDT2	6.5470e-003	0.07
tblVehicleEF	LDT2	0.81	0.99
tblVehicleEF	LDT2	1.39	2.74
tblVehicleEF	LDT2	375.62	339.02
tblVehicleEF	LDT2	78.07	68.90
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.11	0.28
tblVehicleEF	LDT2	2.1510e-003	1.9110e-003
tblVehicleEF	LDT2	2.3580e-003	1.8910e-003
tblVehicleEF	LDT2	1.9790e-003	1.7590e-003
tblVehicleEF	LDT2	2.1690e-003	1.7390e-003
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.11	0.13
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.48
tblVehicleEF	LDT2	0.09	0.32
tblVehicleEF	LDT2	3.7630e-003	3.3320e-003
tblVehicleEF	LDT2	8.0400e-004	6.7700e-004
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.11	0.13
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.07	0.48

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tblVehicleEF	LDT2	0.10	0.35
tblVehicleEF	LHD1	5.5970e-003	5.6110e-003
tblVehicleEF	LHD1	0.01	5.6770e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.19
tblVehicleEF	LHD1	0.84	0.65
tblVehicleEF	LHD1	2.79	1.14
tblVehicleEF	LHD1	8.92	8.88
tblVehicleEF	LHD1	603.81	667.04
tblVehicleEF	LHD1	33.34	12.48
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.95	0.63
tblVehicleEF	LHD1	1.01	0.34
tblVehicleEF	LHD1	8.2600e-004	7.5000e-004
tblVehicleEF	LHD1	0.01	9.6680e-003
tblVehicleEF	LHD1	9.1270e-003	6.2840e-003
tblVehicleEF	LHD1	1.0140e-003	2.8500e-004
tblVehicleEF	LHD1	7.9000e-004	7.1700e-004
tblVehicleEF	LHD1	2.5160e-003	2.4170e-003
tblVehicleEF	LHD1	8.7050e-003	5.9830e-003
tblVehicleEF	LHD1	9.3300e-004	2.6200e-004
tblVehicleEF	LHD1	3.1460e-003	2.5540e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.9140e-003	1.5610e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.31	0.55

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tblVehicleEF	LHD1	0.27	0.08
tblVehicleEF	LHD1	9.0000e-005	8.6000e-005
tblVehicleEF	LHD1	5.9300e-003	6.5150e-003
tblVehicleEF	LHD1	3.8500e-004	1.2400e-004
tblVehicleEF	LHD1	3.1460e-003	2.5540e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.9140e-003	1.5610e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.31	0.55
tblVehicleEF	LHD1	0.29	0.09
tblVehicleEF	LHD1	5.5970e-003	5.6230e-003
tblVehicleEF	LHD1	0.01	5.7930e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.19
tblVehicleEF	LHD1	0.85	0.66
tblVehicleEF	LHD1	2.66	1.09
tblVehicleEF	LHD1	8.92	8.88
tblVehicleEF	LHD1	603.81	667.06
tblVehicleEF	LHD1	33.34	12.39
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.89	0.59
tblVehicleEF	LHD1	0.96	0.32
tblVehicleEF	LHD1	8.2600e-004	7.5000e-004
tblVehicleEF	LHD1	0.01	9.6680e-003
tblVehicleEF	LHD1	9.1270e-003	6.2840e-003
tblVehicleEF	LHD1	1.0140e-003	2.8500e-004

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tblVehicleEF	LHD1	7.9000e-004	7.1700e-004
tblVehicleEF	LHD1	2.5160e-003	2.4170e-003
tblVehicleEF	LHD1	8.7050e-003	5.9830e-003
tblVehicleEF	LHD1	9.3300e-004	2.6200e-004
tblVehicleEF	LHD1	4.7100e-003	3.7600e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.6900e-003	2.1600e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.30	0.53
tblVehicleEF	LHD1	0.26	0.08
tblVehicleEF	LHD1	9.0000e-005	8.6000e-005
tblVehicleEF	LHD1	5.9310e-003	6.5150e-003
tblVehicleEF	LHD1	3.8300e-004	1.2300e-004
tblVehicleEF	LHD1	4.7100e-003	3.7600e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	2.6900e-003	2.1600e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.30	0.53
tblVehicleEF	LHD1	0.28	0.08
tblVehicleEF	LHD1	5.5970e-003	5.6090e-003
tblVehicleEF	LHD1	0.01	5.6460e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.19
tblVehicleEF	LHD1	0.83	0.64
tblVehicleEF	LHD1	2.81	1.15

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tblVehicleEF	LHD1	8.92	8.88
tblVehicleEF	LHD1	603.81	667.03
tblVehicleEF	LHD1	33.34	12.50
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.94	0.62
tblVehicleEF	LHD1	1.01	0.34
tblVehicleEF	LHD1	8.2600e-004	7.5000e-004
tblVehicleEF	LHD1	0.01	9.6680e-003
tblVehicleEF	LHD1	9.1270e-003	6.2840e-003
tblVehicleEF	LHD1	1.0140e-003	2.8500e-004
tblVehicleEF	LHD1	7.9000e-004	7.1700e-004
tblVehicleEF	LHD1	2.5160e-003	2.4170e-003
tblVehicleEF	LHD1	8.7050e-003	5.9830e-003
tblVehicleEF	LHD1	9.3300e-004	2.6200e-004
tblVehicleEF	LHD1	3.3080e-003	2.6900e-003
tblVehicleEF	LHD1	0.12	0.09
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.8850e-003	1.5400e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.33	0.60
tblVehicleEF	LHD1	0.27	0.08
tblVehicleEF	LHD1	9.0000e-005	8.6000e-005
tblVehicleEF	LHD1	5.9300e-003	6.5150e-003
tblVehicleEF	LHD1	3.8600e-004	1.2400e-004
tblVehicleEF	LHD1	3.3080e-003	2.6900e-003
tblVehicleEF	LHD1	0.12	0.09
tblVehicleEF	LHD1	0.02	0.03

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tblVehicleEF	LHD1	1.8850e-003	1.5400e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.33	0.60
tblVehicleEF	LHD1	0.29	0.09
tblVehicleEF	LHD2	4.0020e-003	3.9440e-003
tblVehicleEF	LHD2	4.2980e-003	3.9460e-003
tblVehicleEF	LHD2	8.5190e-003	0.01
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.34	0.44
tblVehicleEF	LHD2	1.37	0.77
tblVehicleEF	LHD2	13.57	13.40
tblVehicleEF	LHD2	617.83	668.37
tblVehicleEF	LHD2	27.88	9.65
tblVehicleEF	LHD2	0.09	0.08
tblVehicleEF	LHD2	0.65	0.81
tblVehicleEF	LHD2	0.55	0.23
tblVehicleEF	LHD2	1.1620e-003	1.2440e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8510e-003	9.8680e-003
tblVehicleEF	LHD2	4.6900e-004	1.6300e-004
tblVehicleEF	LHD2	1.1110e-003	1.1900e-003
tblVehicleEF	LHD2	2.6540e-003	2.6300e-003
tblVehicleEF	LHD2	8.4540e-003	9.4240e-003
tblVehicleEF	LHD2	4.3100e-004	1.5000e-004
tblVehicleEF	LHD2	1.1380e-003	1.5770e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02

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tblVehicleEF	LHD2	7.4500e-004	9.7800e-004
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.08	0.35
tblVehicleEF	LHD2	0.11	0.06
tblVehicleEF	LHD2	1.3300e-004	1.2900e-004
tblVehicleEF	LHD2	6.0210e-003	6.4710e-003
tblVehicleEF	LHD2	3.0400e-004	9.5000e-005
tblVehicleEF	LHD2	1.1380e-003	1.5770e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.4500e-004	9.7800e-004
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.08	0.35
tblVehicleEF	LHD2	0.13	0.06
tblVehicleEF	LHD2	4.0020e-003	3.9530e-003
tblVehicleEF	LHD2	4.3570e-003	3.9910e-003
tblVehicleEF	LHD2	8.2260e-003	0.01
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.35	0.44
tblVehicleEF	LHD2	1.31	0.74
tblVehicleEF	LHD2	13.57	13.40
tblVehicleEF	LHD2	617.83	668.38
tblVehicleEF	LHD2	27.88	9.59
tblVehicleEF	LHD2	0.09	0.08
tblVehicleEF	LHD2	0.61	0.76
tblVehicleEF	LHD2	0.53	0.22
tblVehicleEF	LHD2	1.1620e-003	1.2440e-003

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tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8510e-003	9.8680e-003
tblVehicleEF	LHD2	4.6900e-004	1.6300e-004
tblVehicleEF	LHD2	1.1110e-003	1.1900e-003
tblVehicleEF	LHD2	2.6540e-003	2.6300e-003
tblVehicleEF	LHD2	8.4540e-003	9.4240e-003
tblVehicleEF	LHD2	4.3100e-004	1.5000e-004
tblVehicleEF	LHD2	1.6960e-003	2.3210e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.0400e-003	1.3550e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.08	0.34
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	1.3300e-004	1.2900e-004
tblVehicleEF	LHD2	6.0210e-003	6.4710e-003
tblVehicleEF	LHD2	3.0300e-004	9.5000e-005
tblVehicleEF	LHD2	1.6960e-003	2.3210e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.0400e-003	1.3550e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.08	0.34
tblVehicleEF	LHD2	0.12	0.06
tblVehicleEF	LHD2	4.0020e-003	3.9420e-003
tblVehicleEF	LHD2	4.2820e-003	3.9330e-003
tblVehicleEF	LHD2	8.5780e-003	0.01

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tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.34	0.43
tblVehicleEF	LHD2	1.38	0.78
tblVehicleEF	LHD2	13.57	13.40
tblVehicleEF	LHD2	617.83	668.37
tblVehicleEF	LHD2	27.88	9.66
tblVehicleEF	LHD2	0.09	0.08
tblVehicleEF	LHD2	0.64	0.80
tblVehicleEF	LHD2	0.56	0.24
tblVehicleEF	LHD2	1.1620e-003	1.2440e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8510e-003	9.8680e-003
tblVehicleEF	LHD2	4.6900e-004	1.6300e-004
tblVehicleEF	LHD2	1.1110e-003	1.1900e-003
tblVehicleEF	LHD2	2.6540e-003	2.6300e-003
tblVehicleEF	LHD2	8.4540e-003	9.4240e-003
tblVehicleEF	LHD2	4.3100e-004	1.5000e-004
tblVehicleEF	LHD2	1.1610e-003	1.6340e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.2300e-004	9.5000e-004
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.09	0.39
tblVehicleEF	LHD2	0.12	0.06
tblVehicleEF	LHD2	1.3300e-004	1.2900e-004
tblVehicleEF	LHD2	6.0210e-003	6.4710e-003
tblVehicleEF	LHD2	3.0400e-004	9.6000e-005

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tblVehicleEF	LHD2	1.1610e-003	1.6340e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.2300e-004	9.5000e-004
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.09	0.39
tblVehicleEF	LHD2	0.13	0.06
tblVehicleEF	MCY	0.54	0.38
tblVehicleEF	MCY	0.15	0.23
tblVehicleEF	MCY	18.94	19.11
tblVehicleEF	MCY	9.66	8.52
tblVehicleEF	MCY	188.92	223.68
tblVehicleEF	MCY	44.52	59.56
tblVehicleEF	MCY	1.13	1.13
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	2.4360e-003	2.4430e-003
tblVehicleEF	MCY	3.8630e-003	3.2940e-003
tblVehicleEF	MCY	2.2770e-003	2.2830e-003
tblVehicleEF	MCY	3.6360e-003	3.1000e-003
tblVehicleEF	MCY	1.06	1.08
tblVehicleEF	MCY	0.63	0.65
tblVehicleEF	MCY	0.65	0.66
tblVehicleEF	MCY	2.60	2.61
tblVehicleEF	MCY	0.60	1.98
tblVehicleEF	MCY	2.05	1.81
tblVehicleEF	MCY	2.2780e-003	2.2130e-003
tblVehicleEF	MCY	6.6300e-004	5.8900e-004

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tblVehicleEF	MCY	1.06	1.08
tblVehicleEF	MCY	0.63	0.65
tblVehicleEF	MCY	0.65	0.66
tblVehicleEF	MCY	3.23	3.25
tblVehicleEF	MCY	0.60	1.98
tblVehicleEF	MCY	2.23	1.97
tblVehicleEF	MCY	0.53	0.37
tblVehicleEF	MCY	0.13	0.21
tblVehicleEF	MCY	18.24	18.37
tblVehicleEF	MCY	8.82	7.76
tblVehicleEF	MCY	188.92	222.28
tblVehicleEF	MCY	44.52	57.67
tblVehicleEF	MCY	0.99	0.99
tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	2.4360e-003	2.4430e-003
tblVehicleEF	MCY	3.8630e-003	3.2940e-003
tblVehicleEF	MCY	2.2770e-003	2.2830e-003
tblVehicleEF	MCY	3.6360e-003	3.1000e-003
tblVehicleEF	MCY	1.73	1.72
tblVehicleEF	MCY	0.70	0.71
tblVehicleEF	MCY	1.07	1.07
tblVehicleEF	MCY	2.54	2.55
tblVehicleEF	MCY	0.56	1.86
tblVehicleEF	MCY	1.83	1.61
tblVehicleEF	MCY	2.2650e-003	2.2000e-003
tblVehicleEF	MCY	6.4300e-004	5.7100e-004
tblVehicleEF	MCY	1.73	1.72

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tblVehicleEF	MCY	0.70	0.71
tblVehicleEF	MCY	1.07	1.07
tblVehicleEF	MCY	3.16	3.17
tblVehicleEF	MCY	0.56	1.86
tblVehicleEF	MCY	1.99	1.75
tblVehicleEF	MCY	0.54	0.38
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	19.04	19.25
tblVehicleEF	MCY	9.80	8.66
tblVehicleEF	MCY	188.92	223.96
tblVehicleEF	MCY	44.52	59.94
tblVehicleEF	MCY	1.11	1.11
tblVehicleEF	MCY	0.31	0.27
tblVehicleEF	MCY	2.4360e-003	2.4430e-003
tblVehicleEF	MCY	3.8630e-003	3.2940e-003
tblVehicleEF	MCY	2.2770e-003	2.2830e-003
tblVehicleEF	MCY	3.6360e-003	3.1000e-003
tblVehicleEF	MCY	1.16	1.18
tblVehicleEF	MCY	0.82	0.84
tblVehicleEF	MCY	0.62	0.64
tblVehicleEF	MCY	2.61	2.63
tblVehicleEF	MCY	0.69	2.28
tblVehicleEF	MCY	2.09	1.86
tblVehicleEF	MCY	2.2800e-003	2.2160e-003
tblVehicleEF	MCY	6.6700e-004	5.9300e-004
tblVehicleEF	MCY	1.16	1.18
tblVehicleEF	MCY	0.82	0.84

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tblVehicleEF	MCY	0.62	0.64
tblVehicleEF	MCY	3.25	3.26
tblVehicleEF	MCY	0.69	2.28
tblVehicleEF	MCY	2.28	2.02
tblVehicleEF	MDV	0.01	6.5350e-003
tblVehicleEF	MDV	0.01	0.08
tblVehicleEF	MDV	1.33	1.22
tblVehicleEF	MDV	2.48	3.10
tblVehicleEF	MDV	512.22	421.49
tblVehicleEF	MDV	103.14	83.59
tblVehicleEF	MDV	0.15	0.11
tblVehicleEF	MDV	0.22	0.34
tblVehicleEF	MDV	2.3560e-003	2.0880e-003
tblVehicleEF	MDV	2.5140e-003	2.0610e-003
tblVehicleEF	MDV	2.1720e-003	1.9250e-003
tblVehicleEF	MDV	2.3120e-003	1.8950e-003
tblVehicleEF	MDV	0.07	0.08
tblVehicleEF	MDV	0.15	0.14
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.09	0.43
tblVehicleEF	MDV	0.19	0.40
tblVehicleEF	MDV	5.1310e-003	4.1410e-003
tblVehicleEF	MDV	1.0750e-003	8.2200e-004
tblVehicleEF	MDV	0.07	0.08
tblVehicleEF	MDV	0.15	0.14
tblVehicleEF	MDV	0.07	0.09

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tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.09	0.43
tblVehicleEF	MDV	0.21	0.44
tblVehicleEF	MDV	0.01	6.9310e-003
tblVehicleEF	MDV	0.01	0.07
tblVehicleEF	MDV	1.45	1.32
tblVehicleEF	MDV	2.12	2.63
tblVehicleEF	MDV	534.67	433.96
tblVehicleEF	MDV	103.14	82.70
tblVehicleEF	MDV	0.13	0.10
tblVehicleEF	MDV	0.20	0.32
tblVehicleEF	MDV	2.3560e-003	2.0880e-003
tblVehicleEF	MDV	2.5140e-003	2.0610e-003
tblVehicleEF	MDV	2.1720e-003	1.9250e-003
tblVehicleEF	MDV	2.3120e-003	1.8950e-003
tblVehicleEF	MDV	0.10	0.13
tblVehicleEF	MDV	0.16	0.14
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.08	0.40
tblVehicleEF	MDV	0.17	0.36
tblVehicleEF	MDV	5.3570e-003	4.2630e-003
tblVehicleEF	MDV	1.0680e-003	8.1300e-004
tblVehicleEF	MDV	0.10	0.13
tblVehicleEF	MDV	0.16	0.15
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.05	0.04

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tblVehicleEF	MDV	0.08	0.40
tblVehicleEF	MDV	0.18	0.39
tblVehicleEF	MDV	0.01	6.4070e-003
tblVehicleEF	MDV	0.01	0.08
tblVehicleEF	MDV	1.29	1.18
tblVehicleEF	MDV	2.56	3.21
tblVehicleEF	MDV	503.99	416.89
tblVehicleEF	MDV	103.14	83.79
tblVehicleEF	MDV	0.14	0.11
tblVehicleEF	MDV	0.22	0.35
tblVehicleEF	MDV	2.3560e-003	2.0880e-003
tblVehicleEF	MDV	2.5140e-003	2.0610e-003
tblVehicleEF	MDV	2.1720e-003	1.9250e-003
tblVehicleEF	MDV	2.3120e-003	1.8950e-003
tblVehicleEF	MDV	0.06	0.08
tblVehicleEF	MDV	0.16	0.15
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.10	0.50
tblVehicleEF	MDV	0.19	0.41
tblVehicleEF	MDV	5.0480e-003	4.0950e-003
tblVehicleEF	MDV	1.0760e-003	8.2400e-004
tblVehicleEF	MDV	0.06	0.08
tblVehicleEF	MDV	0.16	0.15
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.10	0.50

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tblVehicleEF	MDV	0.21	0.45
tblVehicleEF	MH	0.03	3.1210e-003
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	2.24	0.27
tblVehicleEF	MH	5.78	0.00
tblVehicleEF	MH	1,130.03	965.33
tblVehicleEF	MH	60.43	0.00
tblVehicleEF	MH	1.08	3.43
tblVehicleEF	MH	0.80	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.02	0.07
tblVehicleEF	MH	1.1280e-003	0.00
tblVehicleEF	MH	3.2020e-003	4.0000e-003
tblVehicleEF	MH	0.02	0.07
tblVehicleEF	MH	1.0370e-003	0.00
tblVehicleEF	MH	0.95	0.00
tblVehicleEF	MH	0.07	0.00
tblVehicleEF	MH	0.41	0.00
tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.33	0.00
tblVehicleEF	MH	0.01	9.1260e-003
tblVehicleEF	MH	7.0500e-004	0.00
tblVehicleEF	MH	0.95	0.00
tblVehicleEF	MH	0.07	0.00
tblVehicleEF	MH	0.41	0.00
tblVehicleEF	MH	0.12	0.08

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tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.36	0.00
tblVehicleEF	MH	0.03	3.1210e-003
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	2.30	0.27
tblVehicleEF	MH	5.44	0.00
tblVehicleEF	MH	1,130.03	965.33
tblVehicleEF	MH	60.43	0.00
tblVehicleEF	MH	0.99	3.24
tblVehicleEF	MH	0.76	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.02	0.07
tblVehicleEF	MH	1.1280e-003	0.00
tblVehicleEF	MH	3.2020e-003	4.0000e-003
tblVehicleEF	MH	0.02	0.07
tblVehicleEF	MH	1.0370e-003	0.00
tblVehicleEF	MH	1.41	0.00
tblVehicleEF	MH	0.07	0.00
tblVehicleEF	MH	0.58	0.00
tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.31	0.00
tblVehicleEF	MH	0.01	9.1260e-003
tblVehicleEF	MH	6.9900e-004	0.00
tblVehicleEF	MH	1.41	0.00
tblVehicleEF	MH	0.07	0.00
tblVehicleEF	MH	0.58	0.00

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tblVehicleEF	MH	0.12	0.08
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.34	0.00
tblVehicleEF	MH	0.03	3.1210e-003
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	2.22	0.27
tblVehicleEF	MH	5.83	0.00
tblVehicleEF	MH	1,130.03	965.33
tblVehicleEF	MH	60.43	0.00
tblVehicleEF	MH	1.06	3.37
tblVehicleEF	MH	0.80	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.02	0.07
tblVehicleEF	MH	1.1280e-003	0.00
tblVehicleEF	MH	3.2020e-003	4.0000e-003
tblVehicleEF	MH	0.02	0.07
tblVehicleEF	MH	1.0370e-003	0.00
tblVehicleEF	MH	1.08	0.00
tblVehicleEF	MH	0.08	0.00
tblVehicleEF	MH	0.42	0.00
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.33	0.00
tblVehicleEF	MH	0.01	9.1260e-003
tblVehicleEF	MH	7.0600e-004	0.00
tblVehicleEF	MH	1.08	0.00
tblVehicleEF	MH	0.08	0.00

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tblVehicleEF	MH	0.42	0.00
tblVehicleEF	MH	0.12	0.08
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.36	0.00
tblVehicleEF	MHD	0.02	4.4240e-003
tblVehicleEF	MHD	4.8560e-003	4.6020e-003
tblVehicleEF	MHD	0.05	0.01
tblVehicleEF	MHD	0.37	0.39
tblVehicleEF	MHD	0.37	0.47
tblVehicleEF	MHD	6.14	1.44
tblVehicleEF	MHD	132.92	67.32
tblVehicleEF	MHD	1,150.98	1,070.87
tblVehicleEF	MHD	63.58	12.17
tblVehicleEF	MHD	0.49	0.47
tblVehicleEF	MHD	1.14	1.63
tblVehicleEF	MHD	9.96	1.29
tblVehicleEF	MHD	2.4800e-004	1.0730e-003
tblVehicleEF	MHD	5.1090e-003	0.03
tblVehicleEF	MHD	8.4300e-004	1.3800e-004
tblVehicleEF	MHD	2.3800e-004	1.0270e-003
tblVehicleEF	MHD	4.8830e-003	0.03
tblVehicleEF	MHD	7.7600e-004	1.2700e-004
tblVehicleEF	MHD	1.1350e-003	6.6800e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	7.4200e-004	4.3000e-004
tblVehicleEF	MHD	0.05	0.06

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tblVehicleEF	MHD	0.02	0.14
tblVehicleEF	MHD	0.37	0.07
tblVehicleEF	MHD	1.2810e-003	6.4000e-004
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.4300e-004	1.2000e-004
tblVehicleEF	MHD	1.1350e-003	6.6800e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	7.4200e-004	4.3000e-004
tblVehicleEF	MHD	0.05	0.07
tblVehicleEF	MHD	0.02	0.14
tblVehicleEF	MHD	0.41	0.07
tblVehicleEF	MHD	0.02	4.1930e-003
tblVehicleEF	MHD	4.9280e-003	4.6540e-003
tblVehicleEF	MHD	0.05	0.01
tblVehicleEF	MHD	0.27	0.32
tblVehicleEF	MHD	0.38	0.48
tblVehicleEF	MHD	5.83	1.36
tblVehicleEF	MHD	140.78	68.14
tblVehicleEF	MHD	1,150.98	1,070.88
tblVehicleEF	MHD	63.58	12.05
tblVehicleEF	MHD	0.51	0.48
tblVehicleEF	MHD	1.08	1.54
tblVehicleEF	MHD	9.92	1.28
tblVehicleEF	MHD	2.0900e-004	9.0700e-004
tblVehicleEF	MHD	5.1090e-003	0.03
tblVehicleEF	MHD	8.4300e-004	1.3800e-004

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tblVehicleEF	MHD	2.0000e-004	8.6800e-004
tblVehicleEF	MHD	4.8830e-003	0.03
tblVehicleEF	MHD	7.7600e-004	1.2700e-004
tblVehicleEF	MHD	1.7000e-003	9.9300e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	1.0480e-003	6.0400e-004
tblVehicleEF	MHD	0.05	0.06
tblVehicleEF	MHD	0.02	0.14
tblVehicleEF	MHD	0.36	0.06
tblVehicleEF	MHD	1.3550e-003	6.4800e-004
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.3800e-004	1.1900e-004
tblVehicleEF	MHD	1.7000e-003	9.9300e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	1.0480e-003	6.0400e-004
tblVehicleEF	MHD	0.06	0.07
tblVehicleEF	MHD	0.02	0.14
tblVehicleEF	MHD	0.39	0.07
tblVehicleEF	MHD	0.02	4.7550e-003
tblVehicleEF	MHD	4.8360e-003	4.5850e-003
tblVehicleEF	MHD	0.05	0.01
tblVehicleEF	MHD	0.52	0.49
tblVehicleEF	MHD	0.37	0.47
tblVehicleEF	MHD	6.20	1.45
tblVehicleEF	MHD	122.05	66.18

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tblVehicleEF	MHD	1,150.98	1,070.87
tblVehicleEF	MHD	63.58	12.19
tblVehicleEF	MHD	0.47	0.47
tblVehicleEF	MHD	1.12	1.60
tblVehicleEF	MHD	9.97	1.29
tblVehicleEF	MHD	3.0200e-004	1.3020e-003
tblVehicleEF	MHD	5.1090e-003	0.03
tblVehicleEF	MHD	8.4300e-004	1.3800e-004
tblVehicleEF	MHD	2.8900e-004	1.2460e-003
tblVehicleEF	MHD	4.8830e-003	0.03
tblVehicleEF	MHD	7.7600e-004	1.2700e-004
tblVehicleEF	MHD	1.1690e-003	6.9100e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	7.2400e-004	4.2100e-004
tblVehicleEF	MHD	0.05	0.06
tblVehicleEF	MHD	0.02	0.16
tblVehicleEF	MHD	0.38	0.07
tblVehicleEF	MHD	1.1790e-003	6.2900e-004
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.4400e-004	1.2100e-004
tblVehicleEF	MHD	1.1690e-003	6.9100e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	7.2400e-004	4.2100e-004
tblVehicleEF	MHD	0.05	0.07
tblVehicleEF	MHD	0.02	0.16

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tblVehicleEF	MHD	0.41	0.07
tblVehicleEF	OBUS	0.01	8.4750e-003
tblVehicleEF	OBUS	7.7220e-003	6.9630e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.28	0.60
tblVehicleEF	OBUS	0.53	0.78
tblVehicleEF	OBUS	5.41	2.39
tblVehicleEF	OBUS	112.13	94.21
tblVehicleEF	OBUS	1,260.49	1,391.50
tblVehicleEF	OBUS	67.92	19.24
tblVehicleEF	OBUS	0.51	0.46
tblVehicleEF	OBUS	1.55	1.57
tblVehicleEF	OBUS	2.60	0.75
tblVehicleEF	OBUS	1.1400e-004	7.8900e-004
tblVehicleEF	OBUS	7.4300e-003	0.02
tblVehicleEF	OBUS	8.0700e-004	1.9700e-004
tblVehicleEF	OBUS	1.0900e-004	7.5500e-004
tblVehicleEF	OBUS	7.0930e-003	0.02
tblVehicleEF	OBUS	7.4200e-004	1.8100e-004
tblVehicleEF	OBUS	1.4340e-003	1.8390e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	7.6800e-004	9.4100e-004
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	0.04	0.26
tblVehicleEF	OBUS	0.34	0.11
tblVehicleEF	OBUS	1.0820e-003	8.9600e-004

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tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.7400e-004	1.9000e-004
tblVehicleEF	OBUS	1.4340e-003	1.8390e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	7.6800e-004	9.4100e-004
tblVehicleEF	OBUS	0.08	0.08
tblVehicleEF	OBUS	0.04	0.26
tblVehicleEF	OBUS	0.37	0.13
tblVehicleEF	OBUS	0.01	8.5340e-003
tblVehicleEF	OBUS	7.8490e-003	7.0850e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.27	0.58
tblVehicleEF	OBUS	0.54	0.80
tblVehicleEF	OBUS	5.11	2.26
tblVehicleEF	OBUS	117.81	94.08
tblVehicleEF	OBUS	1,260.49	1,391.52
tblVehicleEF	OBUS	67.92	19.02
tblVehicleEF	OBUS	0.53	0.45
tblVehicleEF	OBUS	1.46	1.48
tblVehicleEF	OBUS	2.57	0.74
tblVehicleEF	OBUS	9.6000e-005	6.7100e-004
tblVehicleEF	OBUS	7.4300e-003	0.02
tblVehicleEF	OBUS	8.0700e-004	1.9700e-004
tblVehicleEF	OBUS	9.2000e-005	6.4200e-004
tblVehicleEF	OBUS	7.0930e-003	0.02
tblVehicleEF	OBUS	7.4200e-004	1.8100e-004

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tblVehicleEF	OBUS	2.1010e-003	2.6500e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	1.0830e-003	1.3070e-003
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	0.04	0.26
tblVehicleEF	OBUS	0.32	0.11
tblVehicleEF	OBUS	1.1360e-003	8.9500e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.6900e-004	1.8800e-004
tblVehicleEF	OBUS	2.1010e-003	2.6500e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	1.0830e-003	1.3070e-003
tblVehicleEF	OBUS	0.08	0.08
tblVehicleEF	OBUS	0.04	0.26
tblVehicleEF	OBUS	0.35	0.12
tblVehicleEF	OBUS	0.01	8.4130e-003
tblVehicleEF	OBUS	7.6880e-003	6.9290e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.30	0.61
tblVehicleEF	OBUS	0.53	0.78
tblVehicleEF	OBUS	5.47	2.42
tblVehicleEF	OBUS	104.30	94.40
tblVehicleEF	OBUS	1,260.49	1,391.49
tblVehicleEF	OBUS	67.92	19.29
tblVehicleEF	OBUS	0.49	0.47

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tblVehicleEF	OBUS	1.52	1.55
tblVehicleEF	OBUS	2.61	0.76
tblVehicleEF	OBUS	1.3900e-004	9.5300e-004
tblVehicleEF	OBUS	7.4300e-003	0.02
tblVehicleEF	OBUS	8.0700e-004	1.9700e-004
tblVehicleEF	OBUS	1.3300e-004	9.1200e-004
tblVehicleEF	OBUS	7.0930e-003	0.02
tblVehicleEF	OBUS	7.4200e-004	1.8100e-004
tblVehicleEF	OBUS	1.4690e-003	1.9220e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	7.4700e-004	9.2400e-004
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	0.04	0.28
tblVehicleEF	OBUS	0.34	0.12
tblVehicleEF	OBUS	1.0070e-003	8.9800e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.7500e-004	1.9100e-004
tblVehicleEF	OBUS	1.4690e-003	1.9220e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.06	0.07
tblVehicleEF	OBUS	7.4700e-004	9.2400e-004
tblVehicleEF	OBUS	0.08	0.08
tblVehicleEF	OBUS	0.04	0.28
tblVehicleEF	OBUS	0.37	0.13
tblVehicleEF	SBUS	0.84	0.07
tblVehicleEF	SBUS	0.01	7.0600e-003

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tblVehicleEF	SBUS	0.06	6.7770e-003
tblVehicleEF	SBUS	8.15	2.99
tblVehicleEF	SBUS	0.72	0.60
tblVehicleEF	SBUS	7.31	0.93
tblVehicleEF	SBUS	1,121.00	354.63
tblVehicleEF	SBUS	1,079.30	1,100.97
tblVehicleEF	SBUS	55.06	5.73
tblVehicleEF	SBUS	9.20	3.14
tblVehicleEF	SBUS	4.17	4.65
tblVehicleEF	SBUS	12.12	0.90
tblVehicleEF	SBUS	9.3410e-003	3.9540e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	8.1500e-004	5.5000e-005
tblVehicleEF	SBUS	8.9370e-003	3.7830e-003
tblVehicleEF	SBUS	2.6670e-003	2.6630e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	7.5000e-004	5.1000e-005
tblVehicleEF	SBUS	3.3650e-003	9.8900e-004
tblVehicleEF	SBUS	0.03	8.5880e-003
tblVehicleEF	SBUS	0.97	0.34
tblVehicleEF	SBUS	1.7650e-003	5.2700e-004
tblVehicleEF	SBUS	0.10	0.09
tblVehicleEF	SBUS	0.01	0.06
tblVehicleEF	SBUS	0.38	0.04
tblVehicleEF	SBUS	0.01	3.3860e-003
tblVehicleEF	SBUS	0.01	0.01

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tblVehicleEF	SBUS	6.7700e-004	5.7000e-005
tblVehicleEF	SBUS	3.3650e-003	9.8900e-004
tblVehicleEF	SBUS	0.03	8.5880e-003
tblVehicleEF	SBUS	1.40	0.49
tblVehicleEF	SBUS	1.7650e-003	5.2700e-004
tblVehicleEF	SBUS	0.13	0.11
tblVehicleEF	SBUS	0.01	0.06
tblVehicleEF	SBUS	0.42	0.04
tblVehicleEF	SBUS	0.84	0.07
tblVehicleEF	SBUS	0.01	7.1400e-003
tblVehicleEF	SBUS	0.06	6.0470e-003
tblVehicleEF	SBUS	8.04	2.95
tblVehicleEF	SBUS	0.73	0.61
tblVehicleEF	SBUS	5.94	0.76
tblVehicleEF	SBUS	1,171.46	362.29
tblVehicleEF	SBUS	1,079.30	1,100.99
tblVehicleEF	SBUS	55.06	5.44
tblVehicleEF	SBUS	9.50	3.21
tblVehicleEF	SBUS	3.93	4.39
tblVehicleEF	SBUS	12.09	0.90
tblVehicleEF	SBUS	7.8750e-003	3.3400e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	8.1500e-004	5.5000e-005
tblVehicleEF	SBUS	7.5340e-003	3.1960e-003
tblVehicleEF	SBUS	2.6670e-003	2.6630e-003
tblVehicleEF	SBUS	0.02	0.03

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tblVehicleEF	SBUS	7.5000e-004	5.1000e-005
tblVehicleEF	SBUS	4.9570e-003	1.4290e-003
tblVehicleEF	SBUS	0.03	8.7250e-003
tblVehicleEF	SBUS	0.97	0.34
tblVehicleEF	SBUS	2.5080e-003	7.3100e-004
tblVehicleEF	SBUS	0.10	0.09
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.34	0.03
tblVehicleEF	SBUS	0.01	3.4580e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.5400e-004	5.4000e-005
tblVehicleEF	SBUS	4.9570e-003	1.4290e-003
tblVehicleEF	SBUS	0.03	8.7250e-003
tblVehicleEF	SBUS	1.40	0.49
tblVehicleEF	SBUS	2.5080e-003	7.3100e-004
tblVehicleEF	SBUS	0.13	0.11
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.37	0.04
tblVehicleEF	SBUS	0.84	0.07
tblVehicleEF	SBUS	0.01	7.0350e-003
tblVehicleEF	SBUS	0.07	6.9450e-003
tblVehicleEF	SBUS	8.31	3.04
tblVehicleEF	SBUS	0.72	0.60
tblVehicleEF	SBUS	7.56	0.96
tblVehicleEF	SBUS	1,051.30	344.05
tblVehicleEF	SBUS	1,079.30	1,100.97
tblVehicleEF	SBUS	55.06	5.78

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tblVehicleEF	SBUS	8.80	3.05
tblVehicleEF	SBUS	4.10	4.57
tblVehicleEF	SBUS	12.13	0.90
tblVehicleEF	SBUS	0.01	4.8000e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	8.1500e-004	5.5000e-005
tblVehicleEF	SBUS	0.01	4.5930e-003
tblVehicleEF	SBUS	2.6670e-003	2.6630e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	7.5000e-004	5.1000e-005
tblVehicleEF	SBUS	3.4320e-003	1.0030e-003
tblVehicleEF	SBUS	0.03	9.0230e-003
tblVehicleEF	SBUS	0.98	0.34
tblVehicleEF	SBUS	1.6940e-003	5.0600e-004
tblVehicleEF	SBUS	0.10	0.09
tblVehicleEF	SBUS	0.02	0.07
tblVehicleEF	SBUS	0.39	0.04
tblVehicleEF	SBUS	0.01	3.2860e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.8100e-004	5.7000e-005
tblVehicleEF	SBUS	3.4320e-003	1.0030e-003
tblVehicleEF	SBUS	0.03	9.0230e-003
tblVehicleEF	SBUS	1.41	0.49
tblVehicleEF	SBUS	1.6940e-003	5.0600e-004
tblVehicleEF	SBUS	0.13	0.11
tblVehicleEF	SBUS	0.02	0.07

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tblVehicleEF	SBUS	0.43	0.04
tblVehicleEF	UBUS	2.61	5.85
tblVehicleEF	UBUS	0.05	0.01
tblVehicleEF	UBUS	11.22	45.42
tblVehicleEF	UBUS	8.87	0.71
tblVehicleEF	UBUS	1,968.89	1,991.58
tblVehicleEF	UBUS	96.56	8.61
tblVehicleEF	UBUS	9.98	0.47
tblVehicleEF	UBUS	15.36	0.08
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.13	3.1840e-003
tblVehicleEF	UBUS	1.0870e-003	4.6000e-005
tblVehicleEF	UBUS	0.26	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9690e-003
tblVehicleEF	UBUS	0.13	3.0430e-003
tblVehicleEF	UBUS	9.9900e-004	4.3000e-005
tblVehicleEF	UBUS	4.1440e-003	6.6500e-004
tblVehicleEF	UBUS	0.07	8.4730e-003
tblVehicleEF	UBUS	2.3870e-003	4.9100e-004
tblVehicleEF	UBUS	0.85	0.09
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.68	0.05
tblVehicleEF	UBUS	9.8600e-003	1.4410e-003
tblVehicleEF	UBUS	1.1250e-003	8.5000e-005
tblVehicleEF	UBUS	4.1440e-003	6.6500e-004
tblVehicleEF	UBUS	0.07	8.4730e-003

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tblVehicleEF	UBUS	2.3870e-003	4.9100e-004
tblVehicleEF	UBUS	3.56	5.97
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.74	0.05
tblVehicleEF	UBUS	2.61	5.85
tblVehicleEF	UBUS	0.05	0.01
tblVehicleEF	UBUS	11.27	45.42
tblVehicleEF	UBUS	7.69	0.63
tblVehicleEF	UBUS	1,968.89	1,991.58
tblVehicleEF	UBUS	96.56	8.46
tblVehicleEF	UBUS	9.41	0.47
tblVehicleEF	UBUS	15.31	0.08
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.13	3.1840e-003
tblVehicleEF	UBUS	1.0870e-003	4.6000e-005
tblVehicleEF	UBUS	0.26	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9690e-003
tblVehicleEF	UBUS	0.13	3.0430e-003
tblVehicleEF	UBUS	9.9900e-004	4.3000e-005
tblVehicleEF	UBUS	5.9080e-003	9.6200e-004
tblVehicleEF	UBUS	0.07	8.7330e-003
tblVehicleEF	UBUS	3.2830e-003	6.7600e-004
tblVehicleEF	UBUS	0.86	0.09
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.62	0.04
tblVehicleEF	UBUS	9.8610e-003	1.4410e-003

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tblVehicleEF	UBUS	1.1050e-003	8.4000e-005
tblVehicleEF	UBUS	5.9080e-003	9.6200e-004
tblVehicleEF	UBUS	0.07	8.7330e-003
tblVehicleEF	UBUS	3.2830e-003	6.7600e-004
tblVehicleEF	UBUS	3.57	5.97
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.68	0.05
tblVehicleEF	UBUS	2.61	5.85
tblVehicleEF	UBUS	0.05	0.01
tblVehicleEF	UBUS	11.21	45.42
tblVehicleEF	UBUS	9.08	0.73
tblVehicleEF	UBUS	1,968.89	1,991.58
tblVehicleEF	UBUS	96.56	8.64
tblVehicleEF	UBUS	9.79	0.47
tblVehicleEF	UBUS	15.38	0.09
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.13	3.1840e-003
tblVehicleEF	UBUS	1.0870e-003	4.6000e-005
tblVehicleEF	UBUS	0.26	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9690e-003
tblVehicleEF	UBUS	0.13	3.0430e-003
tblVehicleEF	UBUS	9.9900e-004	4.3000e-005
tblVehicleEF	UBUS	4.7000e-003	6.4800e-004
tblVehicleEF	UBUS	0.08	9.0360e-003
tblVehicleEF	UBUS	2.5010e-003	4.6600e-004
tblVehicleEF	UBUS	0.85	0.09

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tblVehicleEF	UBUS	0.03	0.07
tblVehicleEF	UBUS	0.69	0.05
tblVehicleEF	UBUS	9.8590e-003	1.4410e-003
tblVehicleEF	UBUS	1.1290e-003	8.5000e-005
tblVehicleEF	UBUS	4.7000e-003	6.4800e-004
tblVehicleEF	UBUS	0.08	9.0360e-003
tblVehicleEF	UBUS	2.5010e-003	4.6600e-004
tblVehicleEF	UBUS	3.55	5.97
tblVehicleEF	UBUS	0.03	0.07
tblVehicleEF	UBUS	0.75	0.05
tblVehicleTrips	CW_TL	16.60	40.00
tblVehicleTrips	CW_TTP	0.00	100.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	1.32	1.83
tblVehicleTrips	ST_TR	0.00	0.16
tblVehicleTrips	SU_TR	0.68	4.61
tblVehicleTrips	SU_TR	0.00	0.39
tblVehicleTrips	WD_TR	6.97	4.57
tblVehicleTrips	WD_TR	0.00	0.41

2.0 Emissions Summary

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2.1 Overall Construction

Unmitigated Construction

[illegible]

Mitigated Construction

[illegible][illegible]

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Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
		Highest		

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.5714	3.0000e-005	3.5500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	6.9000e-003	6.9000e-003	2.0000e-005	0.0000	7.3500e-003
Energy	0.0134	0.1219	0.1024	7.3000e-004		9.2700e-003	9.2700e-003		9.2700e-003	9.2700e-003	0.0000	523.4617	523.4617	0.0185	5.8900e-003	525.6794
Mobile	0.0684	2.3202	0.5479	9.6500e-003	1.1473	0.0209	1.1682	0.2935	0.0200	0.3135	0.0000	946.7492	946.7492	0.0399	0.0000	947.7455
Offroad	0.0223	0.2313	0.1384	5.8000e-004		7.9800e-003	7.9800e-003		7.3400e-003	7.3400e-003	0.0000	50.7922	50.7922	0.0164	0.0000	51.2028
Waste						0.0000	0.0000		0.0000	0.0000	34.5917	0.0000	34.5917	2.0443	0.0000	85.6995
Water						0.0000	0.0000		0.0000	0.0000	10.0826	105.9889	116.0715	1.0399	0.0254	149.6352
Total	0.6754	2.6735	0.7923	0.0110	1.1473	0.0382	1.1855	0.2935	0.0366	0.3301	44.6742	1,626.9988	1,671.6730	3.1590	0.0313	1,759.9697

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2.2 Overall Operational**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.5714	3.0000e-005	3.5500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	6.9000e-003	6.9000e-003	2.0000e-005	0.0000	7.3500e-003
Energy	0.0134	0.1219	0.1024	7.3000e-004		9.2700e-003	9.2700e-003		9.2700e-003	9.2700e-003	0.0000	523.4617	523.4617	0.0185	5.8900e-003	525.6794
Mobile	0.0684	2.3202	0.5479	9.6500e-003	1.1473	0.0209	1.1682	0.2935	0.0200	0.3135	0.0000	946.7492	946.7492	0.0399	0.0000	947.7455
Offroad	0.0223	0.2313	0.1384	5.8000e-004		7.9800e-003	7.9800e-003		7.3400e-003	7.3400e-003	0.0000	50.7922	50.7922	0.0164	0.0000	51.2028
Waste						0.0000	0.0000		0.0000	0.0000	34.5917	0.0000	34.5917	2.0443	0.0000	85.6995
Water						0.0000	0.0000		0.0000	0.0000	10.0826	105.9889	116.0715	1.0399	0.0254	149.6352
Total	0.6754	2.6735	0.7923	0.0110	1.1473	0.0382	1.1855	0.2935	0.0366	0.3301	44.6742	1,626.9988	1,671.6730	3.1590	0.0313	1,759.9697

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	10/4/2021	10/29/2021	5	20	

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Acres of Grading (Site Preparation Phase): 0**Acres of Grading (Grading Phase): 0****Acres of Paving: 3.14****Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)****OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Excavators	0	8.00	158	0.38
Demolition	Rubber Tired Dozers	0	8.00	247	0.40

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	0	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

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3.2 Demolition - 2021

Unmitigated Construction On-Site

[illegible]

Unmitigated Construction Off-Site

[illegible]

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3.2 Demolition - 2021**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.0 Operational Detail - Mobile

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4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0684	2.3202	0.5479	9.6500e-003	1.1473	0.0209	1.1682	0.2935	0.0200	0.3135	0.0000	946.7492	946.7492	0.0399	0.0000	947.7455
Unmitigated	0.0684	2.3202	0.5479	9.6500e-003	1.1473	0.0209	1.1682	0.2935	0.0200	0.3135	0.0000	946.7492	946.7492	0.0399	0.0000	947.7455

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	628.06	251.91	633.00	2,546,378	2,546,378
Other Asphalt Surfaces	0.00	0.00	0.00		
User Defined Industrial	55.93	21.58	54.15	739,219	739,219
Total	683.99	273.49	687.15	3,285,598	3,285,598

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
User Defined Industrial	40.00	8.40	6.90	100.00	0.00	0.00	100	0	0

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4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Other Asphalt Surfaces	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
User Defined Industrial	0.000000	0.000000	0.000000	0.000000	0.115300	0.045400	0.214300	0.625000	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	390.7182	390.7182	0.0159	3.4600e-003	392.1471
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	390.7182	390.7182	0.0159	3.4600e-003	392.1471
NaturalGas Mitigated	0.0134	0.1219	0.1024	7.3000e-004		9.2700e-003	9.2700e-003		9.2700e-003	9.2700e-003	0.0000	132.7435	132.7435	2.5400e-003	2.4300e-003	133.5323
NaturalGas Unmitigated	0.0134	0.1219	0.1024	7.3000e-004		9.2700e-003	9.2700e-003		9.2700e-003	9.2700e-003	0.0000	132.7435	132.7435	2.5400e-003	2.4300e-003	133.5323

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5.2 Energy by Land Use - NaturalGas**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Light Industry	2.48752e+006	0.0134	0.1219	0.1024	7.3000e-004		9.2700e-003	9.2700e-003		9.2700e-003	9.2700e-003	0.0000	132.7435	132.7435	2.5400e-003	2.4300e-003	133.5323
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0134	0.1219	0.1024	7.3000e-004		9.2700e-003	9.2700e-003		9.2700e-003	9.2700e-003	0.0000	132.7435	132.7435	2.5400e-003	2.4300e-003	133.5323

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Light Industry	2.48752e+006	0.0134	0.1219	0.1024	7.3000e-004		9.2700e-003	9.2700e-003		9.2700e-003	9.2700e-003	0.0000	132.7435	132.7435	2.5400e-003	2.4300e-003	133.5323
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0134	0.1219	0.1024	7.3000e-004		9.2700e-003	9.2700e-003		9.2700e-003	9.2700e-003	0.0000	132.7435	132.7435	2.5400e-003	2.4300e-003	133.5323

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5.3 Energy by Land Use - Electricity**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	1.5255e+006	390.7182	0.0159	3.4600e-003	392.1471
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		390.7182	0.0159	3.4600e-003	392.1471

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	1.5255e+006	390.7182	0.0159	3.4600e-003	392.1471
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		390.7182	0.0159	3.4600e-003	392.1471

6.0 Area Detail

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6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.5714	3.0000e-005	3.5500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	6.9000e-003	6.9000e-003	2.0000e-005	0.0000	7.3500e-003
Unmitigated	0.5714	3.0000e-005	3.5500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	6.9000e-003	6.9000e-003	2.0000e-005	0.0000	7.3500e-003

6.2 Area by SubCategory**Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0656					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.5055					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.3000e-004	3.0000e-005	3.5500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	6.9000e-003	6.9000e-003	2.0000e-005	0.0000	7.3500e-003
Total	0.5714	3.0000e-005	3.5500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	6.9000e-003	6.9000e-003	2.0000e-005	0.0000	7.3500e-003

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6.2 Area by SubCategory**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0656					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.5055					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.3000e-004	3.0000e-005	3.5500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	6.9000e-003	6.9000e-003	2.0000e-005	0.0000	7.3500e-003
Total	0.5714	3.0000e-005	3.5500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	6.9000e-003	6.9000e-003	2.0000e-005	0.0000	7.3500e-003

7.0 Water Detail**7.1 Mitigation Measures Water**

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	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	116.0715	1.0399	0.0254	149.6352
Unmitigated	116.0715	1.0399	0.0254	149.6352

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	31.7807 / 0	116.0715	1.0399	0.0254	149.6352
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
User Defined Industrial	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		116.0715	1.0399	0.0254	149.6352

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7.2 Water by Land Use**Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	31.7807 / 0	116.0715	1.0399	0.0254	149.6352
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
User Defined Industrial	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		116.0715	1.0399	0.0254	149.6352

8.0 Waste Detail

8.1 Mitigation Measures Waste

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Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	34.5917	2.0443	0.0000	85.6995
Unmitigated	34.5917	2.0443	0.0000	85.6995

8.2 Waste by Land Use**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	170.41	34.5917	2.0443	0.0000	85.6995
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		34.5917	2.0443	0.0000	85.6995

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8.2 Waste by Land Use**Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	170.41	34.5917	2.0443	0.0000	85.6995
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		34.5917	2.0443	0.0000	85.6995

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Tractors/Loaders/Backhoes	1	4.00	365	200	0.37	CNG

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UnMitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	tons/yr										MT/yr					
Tractors/Loaders/Backhoes	0.0223	0.2313	0.1384	5.8000e-004		7.9800e-003	7.9800e-003		7.3400e-003	7.3400e-003	0.0000	50.7922	50.7922	0.0164	0.0000	51.2028
Total	0.0223	0.2313	0.1384	5.8000e-004		7.9800e-003	7.9800e-003		7.3400e-003	7.3400e-003	0.0000	50.7922	50.7922	0.0164	0.0000	51.2028

10.0 Stationary Equipment**Fire Pumps and Emergency Generators**

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

APPENDIX 3.5:
EMFAC2017 EMISSION RATES

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EMFAC2017 Derived CalEEMod Annual Emission Rates: Year 2022^{1,2}

Season	Pollutant	LDA	LDT1	LDT2	MDV	LHDT1	LHDT2	MHDT	HHDT	OBUS	UBUS	MCY	SBUS	MH
Annual	CH4_IDLEX	0	0	0	0	0.005611	0.003944047	0.004423587	0.026918673	0.0084752	0	0	0.0739897	0
Annual	CH4_RUNEX	0.0030242	0.0077267	0.0049734	0.0065352	0.0056775	0.003945704	0.004601906	0.082507546	0.0069634	5.8456002	0.3807819	0.0070599	0.0031209
Annual	CH4_STREX	0.0497119	0.070705	0.0673164	0.080691	0.0160712	0.011225406	0.012461198	5.38411E-07	0.0218218	0.0111859	0.2344659	0.006777	0
Annual	CO_IDLEX	0	0	0	0	0.1908366	0.152955314	0.394384048	6.226916634	0.5952011	0	0	2.9896242	0
Annual	CO_RUNEX	0.7201367	1.4527755	1.0219519	1.2167364	0.6473021	0.435243788	0.472350966	0.584717248	0.7823623	45.423026	19.105304	0.5993668	0.2690429
Annual	CO_STREX	2.1005975	2.2700339	2.6488862	3.0984851	1.1384467	0.770025562	1.435215411	0.009539162	2.3937088	0.7143595	8.5172687	0.9319113	0
Annual	CO2_NBIO_IDLEX	0	0	0	0	0.8754808	13.40193055	67.31859576	1172.5017	94.214715	0	0	354.62582	0
Annual	CO2_NBIO_RUNEX	272.47447	320.55496	343.41596	421.49481	667.04059	668.3742012	1070.872809	1482.703518	1391.4978	1991.581	223.67565	1100.9725	965.32961
Annual	CO2_NBIO_STREX	53.616905	63.670293	68.728001	83.585595	12.482572	9.648900899	12.16974322	0.090287536	19.244568	8.6084803	59.556617	5.7278912	0
Annual	NOX_IDLEX	0	0	0	0	0.0524484	0.084534621	0.474856688	6.318960426	0.4568364	0	0	3.1431593	0
Annual	NOX_RUNEX	0.040511	0.1201768	0.0856013	0.1130176	0.6271754	0.811152617	1.633735134	3.599432701	1.5748976	0.4697208	1.1316957	4.6496285	3.432833
Annual	NOX_STREX ³	0.1822069	0.2563963	0.2802614	0.3432342	0.3353256	0.234568425	1.289176771	2.063897191	0.7535135	0.0846513	0.2636683	0.9017689	0
Annual	PM10_IDLEX	0	0	0	0	0.0007495	0.001244273	0.001073214	0.003936807	0.0007892	0	0	0.0039536	0
Annual	PM10_PMBW	0.03675	0.03675	0.03675	0.03675	0.07644	0.089180026	0.130340037	0.061057896	0.13034	0.0726803	0.01176	0.7448002	0.13034
Annual	PM10_PMTW	0.008	0.008	0.008	0.008	0.0096684	0.010521633	0.012000003	0.035588943	0.012	0.0318756	0.004	0.0106531	0.016
Annual	PM10_RUNEX	0.0018007	0.0027169	0.001911	0.0020878	0.0062844	0.009868432	0.031829818	0.028199781	0.0176188	0.0031836	0.002443	0.0270747	0.0749646
Annual	PM10_STREX	0.0018422	0.0026306	0.0018911	0.0020605	0.0002851	0.00016317	0.00013806	1.61301E-06	0.0001973	4.641E-05	0.0032943	5.518E-05	0
Annual	PM25_IDLEX	0	0	0	0	0.0007171	0.001190446	0.001026787	0.003766502	0.0007551	0	0	0.0037825	0
Annual	PM25_PMBW	0.01575	0.01575	0.01575	0.01575	0.03276	0.038220011	0.055860016	0.02616767	0.05586	0.0311487	0.00504	0.3192001	0.05586
Annual	PM25_PMTW	0.002	0.002	0.002	0.002	0.0024171	0.002630408	0.003000001	0.008897236	0.003	0.0079689	0.001	0.0026633	0.004
Annual	PM25_RUNEX	0.001659	0.0025003	0.0017588	0.0019247	0.0059828	0.00942442	0.030446233	0.02697983	0.0168419	0.0030428	0.002289	0.0258893	0.0717216
Annual	PM25_STREX	0.0016939	0.002419	0.0017389	0.001895	0.0002621	0.000150029	0.000126941	1.4831E-06	0.0001814	4.267E-05	0.0031005	5.074E-05	0
Annual	ROG_DIURN	0.0524196	0.1274576	0.0730385	0.0841768	0.0025541	0.001576501	0.000667636	7.19251E-06	0.0018391	0.0006646	1.0817626	0.0009894	0
Annual	ROG_HTSK	0.1008153	0.1993409	0.1233314	0.1409304	0.0805416	0.054372967	0.027255384	0.000276525	0.022113	0.0084735	0.6546153	0.0085882	0
Annual	ROG_IDLEX	0	0	0	0	0.0223008	0.017986622	0.022226278	0.453910027	0.0559077	0	0	0.3437606	0
Annual	ROG_RESTL	0.0497979	0.1075015	0.0740805	0.0890787	0.0015611	0.000978461	0.00043014	5.06836E-06	0.0009412	0.0004915	0.6628665	0.0005274	0
Annual	ROG_RUNEX	0.0119411	0.0343685	0.0206414	0.0283093	0.0486117	0.049818031	0.062555505	0.082265543	0.0618348	0.0851611	2.611964	0.0921701	0.0671904
Annual	ROG_RUNLS	0.2110443	0.6943408	0.4055255	0.4291112	0.5526459	0.353514692	0.144873584	0.001508325	0.2644634	0.053654	1.9833855	0.0553234	0
Annual	ROG_STREX	0.2237273	0.354093	0.3137551	0.3987574	0.0734062	0.055359584	0.066469247	2.83959E-06	0.1148994	0.0484924	1.8128246	0.0391092	0
Annual	SO2_IDLEX	0	0	0	0	8.627E-05	0.000128552	0.000639803	0.010902219	0.0008963	0	0	0.0033855	0
Annual	SO2_RUNEX	0.0026782	0.0031516	0.0033756	0.0041408	0.0065152	0.006470764	0.010238121	0.013511568	0.0134578	0.0014406	0.0022135	0.0105323	0.0091258
Annual	SO2_STREX	0.0005272	0.000626	0.0006757	0.0008218	0.0001235	9.54837E-05	0.000120429	8.93468E-07	0.0001904	8.519E-05	0.0005894	5.668E-05	0
Annual	TOG_DIURN	0.0524353	0.1274958	0.0730604	0.084202	0.0025541	0.001576501	0.000667636	7.19251E-06	0.0018391	0.0006646	1.0817626	0.0009894	0
Annual	TOG_HTSK	0.1008455	0.1994007	0.1233684	0.1409727	0.0805416	0.054372967	0.027255384	0.000276525	0.022113	0.0084735	0.6546153	0.0085882	0
Annual	TOG_IDLEX	0	0	0	0	0.0315919	0.02470222	0.030324437	0.522617236	0.0723106	0	0	0.4946086	0
Annual	TOG_RESTL	0.0498128	0.1075337	0.0741028	0.0891054	0.0015611	0.000978461	0.00043014	5.06836E-06	0.0009412	0.0004915	0.6628665	0.0005274	0
Annual	TOG_RUNEX	0.0173632	0.050113	0.0300646	0.0410733	0.0621958	0.059663373	0.074624561	0.173011316	0.0784927	5.9677449	3.2456821	0.1106291	0.0764918
Annual	TOG_RUNLS	0.2111077	0.6945491	0.4056472	0.42924	0.5526459	0.353514692	0.144873584	0.001508325	0.2644634	0.053654	1.9833855	0.0553234	0
Annual	TOG_STREX	0.24505	0.3878403	0.343659	0.4367569	0.0868303	0.060611776	0.072775458	3.109E-06	0.1258004	0.0530931	1.9732172	0.0428196	0
Summer	CH4_IDLEX	0	0	0	0	0.0056229	0.00395256	0.004192784	0.028040022	0.0085344	0	0	0.0740425	0
Summer	CH4_RUNEX	0.0032282	0.0081768	0.0052909	0.0069305	0.0057928	0.003991452	0.004654268	0.082509545	0.0070846	5.8456102	0.3737796	0.0071402	0.0031209
Summer	CH4_STREX	0.0447523	0.0632755	0.0605349	0.072483	0.0155239	0.010843845	0.012009655	5.15794E-07	0.0209867	0.0103998	0.2095508	0.0060473	0
Summer	CO_IDLEX	0	0	0	0	0.1908366	0.152955314	0.322787613	6.089397874	0.5813111	0	0	2.9531182	0
Summer	CO_RUNEX	0.7893131	1.5751382	1.1154161	1.3215976	0.6592739	0.439997575	0.478223072	0.585393392	0.796	45.423537	18.368661	0.6078768	0.2690429
Summer	CO_STREX	1.7928853	1.9324236	2.2586417	2.6333531	1.0881875	0.736097884	1.363194297	0.009060559	2.2639575	0.6288227	7.7565371	0.7604063	0
Summer	CO2_NBIO_IDLEX	0	0	0	0	8.8754808	13.40193055	68.13890073	1168.968972	94.080565	0	0	362.28625	0
Summer	CO2_NBIO_RUNEX	284.40184	332.71116	355.31365	433.95807	667.06223	668.3826287	1070.883191	1482.704643	1391.522	1991.5819	222.28274	1100.9877	965.32961
Summer	CO2_NBIO_STREX	53.045587	62.999293	67.992098	82.697902	12.393178	9.588331089	12.0468222	0.089528539	19.023454	8.4608426	57.673194	5.4418287	0
Summer	NOX_IDLEX	0	0	0	0	0.0524484	0.084534621	0.475224904	6.133659065	0.4469892	0	0	3.2081557	0
Summer	NOX_RUNEX	0.0356155	0.1049688	0.0750238	0.0989825	0.5874473	0.76465199	1.538039986	3.406107222	1.475312	0.4672408	0.988815	4.3860802	3.2425213
Summer	NOX_STREX ³	0.1687012	0.2374487	0.2595048	0.3178035	0.3212826	0.22475739	1.284167877	2.063840585	0.7432406	0.0809543	0.2499432	0.898039	0
Summer	PM10_IDLEX	0	0	0	0	0.0007495	0.001244273	0.000907272	0.003441783	0.0006707	0	0	0.0033404	0
Summer	PM10_PMBW	0.03675	0.03675	0.03675	0.03675	0.07644	0.089180026	0.130340037	0.061057896	0.13034	0.0726803	0.01176	0.7448002	0.13034
Summer	PM10_PMTW	0.008	0.008	0.008	0.008	0.0096684	0.010521633	0.012000003	0.035588943	0.012	0.0318756	0.004	0.0106531	0.016
Summer	PM10_RUNEX	0.0018007	0.0027169	0.001911	0.0020878	0.0062844	0.009868432	0.031829818	0.028199781	0.0176188	0.0031836	0.002443	0.0270747	0.0749646
Summer	PM10_STREX	0.0018422	0.0026306	0.0018911	0.0020605	0.0002851	0.00016317	0.00013806	1.61301E-06	0.0001973	4.641E-05	0.0032943	5.518E-05	0
Summer	PM25_IDLEX	0	0	0	0	0.0007171	0.001190446	0.000868024	0.003292893	0.0006416	0	0	0.0031959	0
Summer	PM25_PMBW	0.01575	0.01575	0.01575	0.01575	0.03276	0.038220011	0.055860016	0.02616767	0.05586	0.0311487	0.00504	0.3192001	0.05586
Summer	PM25_PMTW	0.002	0.002	0.002	0.002	0.0024171	0.002630408	0.003000001	0.008897236	0.003	0.0079689	0.001	0.0026633	0.004
Summer	PM25_RUNEX	0.001659	0.0025003	0.0017588	0.0019247	0.0059828	0.00942442	0.030446233	0.02697983	0.0168419	0.0030428	0.0022829	0.0258893	0.0717216
Summer	PM25_STREX	0.0016939	0.002419	0.0017389	0.001895	0.0002621	0.000150029	0.000126941	1.4831E-06	0.0001814	4.267E-05	0.0031005	5.074E-05	0
Summer	ROG_DIURN	0.0805724	0.1958209	0.1122646	0.129403	0.0037597	0.00232092	0.000992629	1.12824E-05	0.0026504	0.000962	1.7192635	0.0014292	0
Summer	ROG_HTSK	0.1039521	0.20733	0.1273075	0.1449651	0.0824794	0.056058952	0.028106319	0.000282155	0.0225824	0.0087333	0.7111003	0.0087249	0
Summer	ROG_IDLEX	0	0	0	0	0.0223008	0.017986622	0.021299207	0.474766627	0.0568223	0	0	0.3435773	0
Summer	ROG_RESTL	0.0689402	0.1497526	0.1020832	0.1227958	0.0021601	0.00135455	0.000604419	7.70525E-06	0.0013065	0.			

Winter	CH4_IDLEX	0	0	0	0	0.0056086	0.003942317	0.004755467	0.01973037	0.0084128	0	0	0.0739888	0
Winter	CH4_RUNEX	0.0029599	0.0075825	0.0048731	0.0064066	0.005646	0.003933336	0.004585367	0.003636202	0.0069288	5.8455978	0.3823353	0.0070355	0.0031209
Winter	CH4_STREX	0.0508347	0.0723885	0.0688533	0.0825503	0.0161899	0.011308117	0.012544775	5.43738E-07	0.0220235	0.0113635	0.239769	0.0069446	0
Winter	CO_IDLEX	0	0	0	0	0.1908366	0.152955314	0.494420072	6.3197888	0.6143825	0	0	3.0400371	0
Winter	CO_RUNEX	0.6947585	1.4074551	0.9875842	1.1774753	0.6440847	0.433960268	0.470667137	0.378232006	0.7784512	45.422898	19.251502	0.5967545	0.2690429
Winter	CO_STREX	2.1718736	2.3482348	2.7398535	3.206882	1.1475152	0.776227159	1.449467168	0.009634159	2.4206576	0.7314087	8.6646146	0.9644153	0
Winter	CO2_NBIO_IDLEX	0	0	0	0	8.8754808	13.40193055	66.17894992	1158.962553	94.39997	0	0	344.04713	0
Winter	CO2_NBIO_RUNEX	268.0658	316.06139	339.01831	416.88694	667.03476	668.3719215	1070.869828	1430.090478	1391.4909	1991.5807	223.9573	1100.9678	965.32961
Winter	CO2_NBIO_STREX	53.748702	63.82472	68.898619	83.79125	12.499045	9.660195585	12.19435122	0.0904382	19.291004	8.6382336	59.93538	5.7826736	0
Winter	NOX_IDLEX	0	0	0	0	0.0524484	0.084534621	0.474347261	6.465701188	0.470435	0	0	3.0534024	0
Winter	NOX_RUNEX	0.0392918	0.1167803	0.08308	0.1097293	0.61562	0.796457815	1.602740334	3.488980303	1.5453819	0.4691927	1.1050922	4.5685046	3.368534
Winter	NOX_STREX ³	0.1852096	0.2606338	0.2848824	0.348904	0.3385109	0.23679626	1.290368034	2.063910648	0.7559833	0.0855041	0.2669026	0.9028594	0
Winter	PM10_IDLEX	0	0	0	0	0.0007495	0.001244273	0.00130237	0.004370771	0.0009529	0	0	0.0048003	0
Winter	PM10_PMBW	0.03675	0.03675	0.03675	0.03675	0.07644	0.089180026	0.130340037	0.060105422	0.13034	0.0726803	0.01176	0.7448002	0.13034
Winter	PM10_PMTW	0.008	0.008	0.008	0.008	0.0096684	0.010521633	0.012000003	0.035033564	0.012	0.0318756	0.004	0.0106531	0.016
Winter	PM10_RUNEX	0.0018007	0.0027169	0.001911	0.0020878	0.0062844	0.009868432	0.031829818	0.028096242	0.0176188	0.0031836	0.002443	0.0270747	0.0749646
Winter	PM10_STREX	0.0018422	0.0026306	0.0018911	0.0020605	0.0002851	0.00016317	0.00013806	1.61301E-06	0.0001973	4.641E-05	0.0032943	5.518E-05	0
Winter	PM25_IDLEX	0	0	0	0	0.0007171	0.001190446	0.00124603	0.004181693	0.0009117	0	0	0.0045926	0
Winter	PM25_PMBW	0.01575	0.01575	0.01575	0.01575	0.03276	0.038220011	0.055860016	0.025759466	0.05586	0.0311487	0.00504	0.3192001	0.05586
Winter	PM25_PMTW	0.002	0.002	0.002	0.002	0.0024171	0.002630408	0.003000001	0.008758391	0.003	0.0079689	0.001	0.0026633	0.004
Winter	PM25_RUNEX	0.001659	0.0025003	0.0017588	0.0019247	0.0059828	0.00942442	0.030446233	0.02688077	0.0168419	0.0030428	0.0022829	0.0258893	0.0717216
Winter	PM25_STREX	0.0016939	0.002419	0.0017389	0.001895	0.0002621	0.000150029	0.000126941	1.4831E-06	0.0001814	4.267E-05	0.0031005	5.074E-05	0
Winter	ROG_IDIURN	0.0510541	0.1275302	0.0699814	0.0800091	0.0026897	0.001633622	0.000691481	7.52303E-06	0.0019222	0.000648	1.1757383	0.0010033	0
Winter	ROG_HTSK	0.1086963	0.2237106	0.1330533	0.1505647	0.0923885	0.061346922	0.029503806	0.000314939	0.0234751	0.0090358	0.8418938	0.0090227	0
Winter	ROG_IDLEX	0	0	0	0	0.0223008	0.017986622	0.023524408	0.424789457	0.0546447	0	0	0.3440137	0
Winter	ROG_RESTL	0.0475461	0.1027519	0.0706838	0.0851103	0.0015404	0.0009504	0.000420717	5.06328E-06	0.0009238	0.0004662	0.6353973	0.0005063	0
Winter	ROG_RUNEX	0.0117058	0.0337488	0.0202481	0.0277916	0.0484416	0.049761171	0.062483287	0.076852175	0.0616657	0.0851541	2.6258813	0.0920455	0.0671904
Winter	ROG_RUNLS	0.2402572	0.8209764	0.475354	0.4989969	0.5986148	0.385180909	0.159150925	0.001601131	0.2833056	0.0654431	2.2829142	0.0680686	0
Winter	ROG_STREX	0.2291274	0.3629262	0.3213604	0.4085149	0.0799314	0.05579603	0.067070422	2.86528E-06	0.1160075	0.0493055	1.8565024	0.0400807	0
Winter	SO2_IDLEX	0	0	0	0	8.627E-05	0.000128552	0.000628811	0.010949304	0.000898	0	0	0.0032856	0
Winter	SO2_RUNEX	0.0026349	0.0031074	0.0033324	0.0040955	0.0065151	0.006470741	0.010238092	0.013511565	0.0134578	0.0014406	0.0022162	0.0105322	0.0091258
Winter	SO2_STREX	0.0005285	0.0006275	0.0006774	0.0008238	0.0001237	9.55955E-05	0.000120673	8.94959E-07	0.0001909	8.548E-05	0.0005931	5.722E-05	0
Winter	TOG_DIURN	0.0510694	0.1275685	0.0700023	0.0800331	0.0026897	0.001633622	0.000691481	7.52303E-06	0.0019222	0.000648	1.1757383	0.0010033	0
Winter	TOG_HTSK	0.1087289	0.2237778	0.1330932	0.1506098	0.0923885	0.061346922	0.029503806	0.000314939	0.0234751	0.0090358	0.8418938	0.0090227	0
Winter	TOG_IDLEX	0	0	0	0	0.0315919	0.02470222	0.03222404	0.483590462	0.0708727	0	0	0.4948967	0
Winter	TOG_RESTL	0.0475604	0.1027827	0.0707051	0.0851358	0.0015404	0.0009504	0.000420717	5.06328E-06	0.0009238	0.0004662	0.6353973	0.0005063	0
Winter	TOG_RUNEX	0.0170198	0.0492087	0.0294906	0.0403188	0.0619477	0.059580403	0.074519181	0.087632854	0.078246	5.9677347	3.2624715	0.1104474	0.0764918
Winter	TOG_RUNLS	0.2403293	0.8212227	0.4754967	0.4991466	0.5986148	0.385180909	0.159150925	0.001601131	0.2833056	0.0654431	2.2829142	0.0680686	0
Winter	TOG_STREX	0.2509647	0.3975153	0.3519891	0.4474441	0.0875148	0.061089629	0.073433669	3.13712E-06	0.1270137	0.0539833	2.0207475	0.0438833	0

1 Source: California Air Resources Board. EMFAC2017 Web Database. <https://www.arb.ca.gov/emfac/2017/>; California Air Pollution Control Officers Association (CAPCOA). 2017, November. California Emissions Estimator Model User's Guide, Version 2016.3.2, Appendix A.

2 Unless otherwise noted, per CalEEMod methodology, the calculated CalEEMod emission rates are derived from the emission rates obtained using the EMFAC2017 Web Database for the Los Angeles (SC) region.

3 Because EMFAC2017 provides vehicle trips data for MHD and HHDT diesel trucks, the formula provided in Appendix A of the CalEEMod User's Guide in calculating the NO_x STREX emission rates are utilized.

APPENDIX G

PHASE I ENVIRONMENTAL SITE ASSESSMENT

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Phase I Environmental Site Assessment

Petros Tubular Services, Inc.

1401 San Francisco Avenue and 929 West Anaheim Street
Long Beach, California 90813

Assessor Parcel Numbers (APNs): 7271-008-014, 7271-008-016,
and 7271-007-005

929 Anaheim LLC

100 Bayview Circle, Suite 310

Newport Beach, California 92660

(949)509-9198

SCS ENGINEERS

Project No. 01210161.12 | May 29, 2020

3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806
(562) 426-9544

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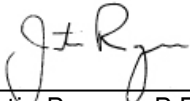
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This Phase I Environmental Site Assessment Report for the Property located at 1401 San Francisco Avenue and 929 West Anaheim Street in Long Beach, California, dated May 29, 2020, was prepared by Tyler Watkins and reviewed by Justin Rauzon and Ashley Hutchens.

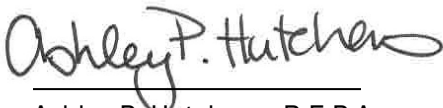
We declare that, to the best of our professional knowledge and belief, we meet the definition of Environmental Professional as defined in §312.10 of 40 CFR 312. The resumes for the individuals below are included in **Appendix G**. We have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. We have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.



Tyler Watkins
Project Professional
SCS ENGINEERS



Justin Rauzon, R.E.P.A.
Project Manager
SCS ENGINEERS



Ashley P. Hutchens, R.E.P.A.
Vice President/Sr. Project Manager
SCS ENGINEERS

EXECUTIVE SUMMARY

SCS Engineers (SCS) was retained by 929 Anaheim LLC to prepare a Phase I Environmental Site Assessment (Phase I ESA) of property located at 1401 San Francisco Avenue and 929 West Anaheim Street, Long Beach, California (the “Property”). This assessment was performed in conformance with 40 CFR 312, Standards for Conducting All Appropriate Inquiries, and in general conformance with ASTM E1527-13.

The Property is located on the west side of San Francisco Avenue, between West 15th Street and West Anaheim Street. It is approximately 6.66 acres and is currently occupied by the Petros Tubular (Petros) storage yard. The Petros storage yard consists of a small, approximately 5,600-square-foot warehouse/office building and outdoor material storage areas. A paved lot with a small portable “break room” trailer is located on the southern portion of the Property, which Petros uses mainly for truck parking.

The Property was vacant land in the late 1890s and early 1900s. By 1923, at least three buildings were present on the Property. Historical sources indicate that City of Long Beach municipal service buildings (garage, carpenter shop, storeroom, etc.) were constructed on the northern portion of the Property in the 1920s and 1930s. The southern portion of the Property was developed as a private lumberyard in the 1930s. By 1947, a road (an extension of West 14th Street) crossed the center of the Property, dividing it into two sections, with numerous commercial buildings on both the northern and southern portions. The 1950 Sanborn map identified the Long Beach City Yard and City of Long Beach Public Service Department as the occupants of the northern portion of the Property. Building uses included storage, labs, warehouses, woodworking and plumbing, a carpenter shop, and a paint shop. Fickling Lumber Company and an animal hospital occupied the southern portion of the Property, to the south of West 14th Street. Building uses included lumber storage, building materials warehouses, a planing mill, and kennels. David Roofing Company and Standard Stations Inc. Wilmington were listed as additional occupants of the southern portion of the Property (929 West Anaheim Street). By 1963, a paint shop and metal spray booth was present at the City yard on the northern side of the Property. By 1989, the lumberyard buildings located on the southern portion of the Property were removed and replaced with truck and vehicle parking. By 2012, most of the buildings previously located on the Property were removed, and the Property appeared to be in its present day configuration.

The site reconnaissance did not identify any recognized environmental conditions (RECs) associated with the current Petros operations at the Property. A city-owned parcel with a lead-impacted soil stockpile covered with vegetation adjoins the northern portion of the Property immediately to the west. Visual observation of this stockpile identified that a final cap does not appear to have been installed. The area, separated from the Property by privacy fencing, was partially overgrown with weeds and brush that would typically prevent aerial migration onto the Property during wind events. During the site inspection, SCS was informed that a small fire occurred on the stockpile in the past month. The western half of the stockpile appeared burned, and some of the foliage that had grown atop the stockpile was no longer present. The lead-impacted soil pile is considered a Business Environmental risk (BER).

Numerous potential environmental concerns were identified during previous Phase I ESAs, including fill material containing debris from the 1933 earthquake, underground storage tanks (USTs), clarifiers, paint and solvent storage, parts cleaning, former pesticide storage, identification of a potential gas station, and waste oil storage. SCS has conducted several investigations and overseen remedial excavation of soil at the Property. Based on the results of these investigations, the Long Beach Department of Human Health Services (DHHS) and/or the Los Angeles Regional Water Quality

Control Board (RWQCB) have issued several No Further Action (NFA) letters. No significant evidence of releases of hazardous substances from some areas of concern investigated; so these areas are considered historical recognized environmental conditions (HRECs). Former USTs removed from the Property that received NFA closure allowed residual contamination to remain in place, so these areas are considered controlled recognized environmental conditions (CRECs). Earthquake debris and associated lead-impacted soil was excavated from much of the Property during remediation activities in 2014 and 2015. Some residual lead-impacted debris remains in place, including beneath the building, along the western Property line, and beneath a Southern California Edison electrical pole. Since DHHS has issued an NFA letter for the residual contamination in place, while left undisturbed it is considered a CREC. In light of planned redevelopment activities that may disturb this soil during grading, however, it constitutes a REC.

Observations during the site inspection indicate that adjacent properties are currently occupied by numerous commercial/industrial operators. No obvious RECs for the Property were identified on these adjacent sites. However, regulatory database information also indicates that numerous sites within 0.25 miles of the Property have had releases of substances including hydrocarbons and volatile organic compounds (VOCs), and groundwater in the area has been impacted. Based on this information, it is possible that impacted groundwater from these sites has migrated beneath the Property. Since plans call for the Property to be redeveloped with a continued commercial/industrial use, SCS recommends that lead-impacted material be segregated and removed from the Property.

Conclusions

In summary, SCS performed a Phase I Environmental Site Assessment of the Property located at 1601 San Francisco, Long Beach, California, in conformance with the scope and limitations of 40 CFR 312 and ASTM E1527-13. Any exceptions to, or deletions from, this practice are described in Section 5 of this report.

In the opinion of the Environmental Professionals, this assessment has revealed evidence of a condition indicative of a recognized environmental condition in connection with the Property, as discussed above. A soil management plan (SMP) should be prepared for management of any debris- and/or lead-impacted soil that may be encountered during planned re-development activities.

Data Gaps

Environmental records requests from the Long Beach Fire Department (LBFD) and RWQCB were not returned as of the time of this report. Based on the previous site investigations performed, this does not constitute a significant data gap.

1 INTRODUCTION

SCS Engineers (SCS) was retained by 929 Anaheim LLC (the “User”) to prepare a Phase I Environmental Site Assessment (Phase I ESA) of the property located at 1401 San Francisco Avenue and 929 West Anaheim Street, Long Beach, California (the “Property”). Petros Tubular Services, Inc. (Petros) currently leases the Property. A location map for the Property is presented as **Figure 1** in **Appendix A**. This assessment was performed in conformance with 40 CFR 312, Standards for Conducting All Appropriate Inquiries (AAI), and in general conformance with ASTM E1527-13.

2 PURPOSE

This Phase I ESA is intended to constitute appropriate inquiry into the previous ownership and uses of the Property, as required to support the assertion of the innocent landowner, contiguous property owner, and/or bona fide prospective purchaser defenses to liability (collectively the landowner liability protections, or LLPs) under the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA a.k.a. Superfund), as amended by the Superfund Amendments and Reauthorization Act of 1986 (SARA), and the Small Business Liability Relief and Brownfields Revitalization Act of 2002.

The purpose of this investigation was to identify conditions indicative of releases or threatened releases of hazardous substances as defined in CERCLA Section 101, and petroleum products, on, at, in, or to the Property.

If known or suspected contamination is identified, Users seeking to maintain LLPs have responsibilities in addition to completion of an AAI-compliant Phase I ESA. These “continuing obligations” include taking “appropriate care” and “reasonable steps” with respect to known or suspected releases of hazardous substances during the term of property ownership. In addition to these requirements under federal law, there are different requirements under state law with respect to liability protections. On request, SCS can provide support for clients with continuing obligations, as appropriate.

3 SCOPE OF SERVICES

This Phase I ESA is based on:

- Interviews with past and/or present owners, operators, and/or occupants of the Property.
- Reviews of federal, tribal, state, and local government records.
- Visual inspections of the Property and adjoining sites performed on May 11, 2020 and May 13, 2020.
- Review of historical Property use information (topographic maps, aerial photographs, fire insurance maps, existing reports, etc.).
- Commonly known or reasonably ascertainable information about the Property (e.g., interviews with appropriate regulatory agency personnel and review of agency files review of available documents, interviews with other knowledgeable persons).
- Degree of obviousness of the presence or likely presence of contamination at the Property, and the ability to detect the contamination by appropriate investigation.
- Information provided as a result of the additional inquiries conducted by the User.

4 SPECIAL TERMS AND CONDITIONS

This Phase I ESA for the Property located at 1401 San Francisco Avenue and 929 West Anaheim Street, Long Beach, California, has been prepared specifically for 929 Anaheim LLC [Abstract]. The report has been prepared in accordance with the care and skill generally exercised by reputable professionals, under similar circumstances, in this or similar localities. No other warranty, express or implied, is made as to the professional opinions presented herein.

No other party, known or unknown to SCS, is intended as a beneficiary of this work product, its content, or information embedded therein. Third parties use this report at their own risk. Third party reliance letters may be issued on request to SCS subject to approval of 929 Anaheim LLC [Abstract] and payment to SCS of a fee for such letters.

5 LIMITATIONS AND ASSUMPTIONS

The investigation focuses on releases and threatened releases of hazardous substances or petroleum products that could be considered a recognized environmental condition (REC) and/or a liability due to their possible presence in significant concentrations (e.g., above acceptable limits set by the federal or state government) or due to the potential for contaminant migration through exposure pathways (e.g., soil vapor migration or groundwater ingestion). Materials that may contain substances which are not currently deemed hazardous by the U.S. Environmental Protection Agency (EPA) or California Environmental Protection Agency (CalEPA) were not considered as part of this study.

Unless specifically included in our scope of services, formal surveys for asbestos-containing materials, lead-based paints, fire safety, vapor intrusion, indoor air quality, mold, and similar matters were not part of this assessment. The Property was not evaluated for compliance with land use, zoning, wetlands, or similar laws. This report is not intended to be an environmental compliance audit.

Hazardous substances naturally occurring in plants, soils, and rocks (e.g., heavy metals, naturally occurring asbestos, or radon) are not typically considered in these investigations. Similarly, construction debris (e.g., discarded concrete, asphalt, etc.) is not considered to be of concern unless observations suggest that hazardous substances are likely to be present in significant concentrations.

Unless otherwise noted, sampling and laboratory analyses of soil, water, air, building materials, or other media, were not performed as part of this investigation. Positive identification of hazardous substances can only be accomplished through sampling and appropriate laboratory analysis.

SCS Engineers assumes no responsibility for the accuracy of information obtained from, compiled by, or provided by third-party sources, such as regulatory agency listings. Unless obviously inaccurate or if information exists to the contrary, SCS Engineers assumes that information collected during this environmental site assessment is accurate and correct. Unless warranted, information collected has not been independently validated as part of this assessment.

The following information is the responsibility of the User (40 CFR 312.22) and is not included in this Phase I ESA:

- Specialized knowledge or experience of the User.

- The relationship of the purchase price to the fair market value of the Property. The purchaser of a Property is required to consider whether any differential between the purchase price and the fair market value of the Property is due to the presence of releases or potential releases of hazardous substances at the Property.

Certain other limitations could affect the accuracy and completeness of this report, as follows:

- Site Access Limitations – None.
- Physical Obstructions to Observations – None.
- Outstanding Information Requests – Some regulatory agency records requests were not returned as of the date of this report. Based on the other information reviewed, this does not represent a significant data gap.
- Historical Data Sources Failure – None.
- Other Limitations – None.

6 GENERAL SITE CHARACTERISTICS

SITE LOCATION

The Property is located on the west side of San Francisco Avenue, between West 15th Street and West Anaheim Street. It is currently assigned Assessor Parcel Numbers (APNs) 7271-008-014, 7271-008-016, and 7271-007-005. Historical APNs for the Property include 7271-008-013 and -900, and 7271-117-092. A current APN map is provided as **Figure 2** in **Appendix A**. Historical APNs are designated on **Figure 3**.

GENERAL SITE DESCRIPTION

The Property is approximately 6.66 acres and is currently occupied by a Petros storage yard. The Petros facility consists of a small, approximately 5,600-square-foot warehouse/office building and outdoor storage areas. A paved lot with a small portable trailer is located on the southern portion of the Property. Petros uses this southern paved lot mainly for truck parking.

ADJOINING PROPERTY USE

Adjacent properties consist of the following:

- North – A vacant storage yard adjoins the Property to the north (1601 San Francisco Avenue).
- South – West Anaheim Street adjoins the Property to the south. A large warehouse, occupied by Air Products & Chemicals Inc., is located south of West Anaheim Street (901 West 12th Street). De Forest Avenue, which runs north-south, terminates at the intersection with West Anaheim Street immediately south of the Property.
- East – San Francisco Avenue adjoins the Property to the east. Commercial/Industrial business, including Ready Storage (800 West 15th Street); G&J Forklift Sales (899 West Cowles Street); Food Bank of Southern California (1444 San Francisco Avenue); and Harbor Custom Canvas (733 West Anaheim Street) are located east of San Francisco Avenue.

- West – A city-owned parcel with a soil stockpile covered with vegetation adjoins the northern portion of the Property immediately to the west. The Los Angeles River and associated river trail adjoin the rest of the Property to the west. A freeway on/off ramp is located on the west side of the Los Angeles River. Multiple oil wells and oil-related industrial activities are located on an industrial site between the Los Angeles River and the freeway.

7 PHYSICAL SETTING

PHYSIOGRAPHIC SETTING

According to the U.S. Geological Survey (USGS), Long Beach (1964, photorevised 1981), California 7.5-minute topographic map, the Property is located immediately east of the Los Angeles River at an elevation of approximately 5 feet above mean sea level and about 1.3 miles north of San Pedro Bay. Regional topography is relatively flat with a gentle slope to the west.

GEOLOGY AND SOILS

Geologic maps indicate that surface sediments in the area are Quaternary alluvium and coastal deposits of silt, sand, and gravel that are underlain by the late Pleistocene Lakewood Formation. The Lakewood Formation, which consists of gravel, sand, sandy silt, silt and clay with shale pebbles, extends to a depth of approximately 100 feet (California DWR, Bulletin No.104). Sediments below the Lakewood Formation belong to the late Pleistocene San Pedro Formation.

GROUNDWATER

The Property is located in the southern portion of the West Coast Groundwater Basin. The first groundwater aquifer in the region is within the Gage Aquifer within the Lakewood Formation. Based on groundwater monitoring reports for a former underground storage tank (UST) site located in the 14th Street right-of-way on the Property (SCS, April 2010), first groundwater is approximately 4 to 5 feet below ground surface (bgs) and flows southeasterly in direction. Shallow groundwater has locally been impacted by saltwater intrusion; therefore, it is not used as a drinking water source. Tidal influence from the adjacent Los Angeles River may influence groundwater elevation beneath the Property. Groundwater in the area of the former 14th Street right-of-way UST site has been impacted by gasoline-related constituents.

RADON

According to the California Department of Public Health's February 2016 Radon Program report, screening in the area of the Property (90813 zip code) found no locations (out of 8) where buildings had radon levels greater than or equal to 4 picocuries per liter (pCi/L), the EPA action level. The maximum radon result for the Property's zip code was 0.4 pCi/L. The alluvial geology of the Long Beach area is not normally associated with elevated radon levels. Note that elevated radon levels may also be attributed to other radon sources such as leaking natural gas or numerous building products such as drywall, cinderblock, concrete floors, brick, or stone products. Based on the available information, therefore, elevated radon gas is not expected in the area of the Property.

8 SITE INSPECTION

Tyler Watkins of SCS conducted an inspection of the Property and surrounding area on May 11 and May 13, 2020. An aerial photo and photographs of the Property are provided in **Appendix B**.

Access to the Property was provided by Mr. Fernando Gonzalez, of Petros. Petros is a tubular and drill pipe inspection/reclamation company that services the oil industry. One concrete building containing material storage and office spaces is located on the northern portion of the Property. The remaining Property area is occupied by an asphalt paved storage yard. Petros stores pipes, valves, electrical equipment, etc. In some areas, the surface of the asphalt pavement appeared lightly stained from forklift or truck leaks. This staining was *de minimis* in nature. The southern portion of the Property contains a paved lot with a small “break room” trailer in the southeastern corner. Petros uses this southern area mainly for truck storage.

HAZARDOUS SUBSTANCES

A hazardous materials storage area was located on the northeastern portion of the Property. A drum of diesel fuel in secondary containment and various small containers of hydraulic oil were observed in the storage area. No evidence of spills or releases from the storage area were observed. Various containers of paint, motor oil, and paint thinner were observed on the southern portion of the Property. No evidence of spills or releases were observed from these containers.

NATURAL DRAINAGE

Natural waterways are not currently located on the Property. The Los Angeles River Flood Control Channel is located immediately west of the Property. Storm drains and associated concrete channels were observed across the yard. Runoff from the Property drains to the surface drains and channels and to the surrounding streets or river channel.

DISTURBED AREAS

No obvious disturbed areas were observed. There was no visual evidence of landfilled materials. Landfilled earthquake debris at the Property is discussed further in Section 11.

ELEVATORS AND OTHER HYDRAULIC EQUIPMENT

No elevators or other hydraulic equipment were observed on the Property.

WELLS

No groundwater supply or monitoring wells were observed on the Property. A groundwater well was observed on the sidewalk east of the Property. The use of the well is unknown, however it is not known to be a groundwater monitoring well.

ELECTRICAL EQUIPMENT

One pad-mounted Southern California Edison (SCE) electrical transformer servicing the building was noted on the eastern side of the Property. Four pole-mounted SCE electrical transformers were observed east of the Property, along San Francisco Avenue. SCE has stated that they have never specified the purchase of distribution transformers utilizing PCBs as the insulating/cooling fluid. SCE transformers utilize mineral oil exclusively. In a statistically valid test of over 20,000 SCE distribution transformers, SCE determined that the concentrations of PCBs in the mineral oils was less than 50 parts per million (ppm) in over 96 percent of the units. Based on the available information, no significant environmental impact to the Property is anticipated from these transformers.

WASTEWATER

No industrial wastewater is currently generated at the Property. Domestic sanitary sewage generated on the Property is discharged to the city sanitary sewer system.

DRINKING WATER

Drinking water is supplied to the Property by the City of Long Beach. All large public water suppliers in California have been required to test their water and comply with federal and state drinking water standards since the mid-1980s. Consequently, lead and other contaminants of concern are not expected to be present above applicable primary and secondary drinking water standards.

STORAGE TANKS

No evidence (fill ports, vent lines, or dispensers) of current USTs was observed on the Property. A historical UST removed from the Property is discussed further in Section 11. No aboveground storage tanks (ASTs) were observed on the Property.

VISUAL INSPECTION OF ADJOINING SITES

Other than the presence of a known lead-impacted stockpile adjacent to the northwest, no obvious evidence of a REC or indications of contamination (e.g. remediation equipment, staining, USTs, etc.), was observed on adjoining sites during the site inspection. The origin and purpose of the pile is discussed further in Section 11 of this report. Visual observation of this stockpile identified that a final cap does not appear to have been installed. The area, separated from the Property by privacy fencing, was partially overgrown with weeds and brush that would typically prevent aerial migration onto the Property during wind events. During the site inspection, SCS was informed that a small fire occurred on the stockpile in the past month. The western half of the stockpile appeared burned, and some of the foliage that had grown atop the stockpile was no longer present. The lead-impacted soil pile, without an appropriate cap, but covered with brush as it currently exists, is considered a Business Environmental risk (BER).

9 INTERVIEWS

Mr. Fernando Gonzalez, of Petros, was interviewed during the site inspection. Mr. Gonzalez informed SCS of the recent fire on the lead-impacted stockpile. Mr. Gonzalez was unaware of any potential environmental issues at the Property, with the exception of the landfilled earthquake materials located immediately west of the Property and further discussed below in Section 11.

10 SITE HISTORY

Site history was evaluated from the following sources:

- Historical U.S. Geological Survey (USGS) topographic maps provided by Environmental Data Resources (EDR) (April 29, 2020).
- Historical aerial photographs provided by EDR (April 30, 2020).
- Sanborn Fire Insurance maps obtained from the EDR-Sanborn collection (April 30, 2020).
- City of Long Beach Department of Building and Safety building permit information.
- A City Directory review report provided by EDR (April 30, 2020).

Copies of topographic maps, historical aerial photographs, city directories, and Sanborn maps are included in **Appendix C**.

Year	Description	Source
1896, 1899, and 1902	The Property and surrounding area was vacant or undeveloped land. Rivers were located to the east and the west of the Property.	Topographic maps
1923	At least three buildings were located on the Property. The buildings appeared to be commercial use. Unpaved road or trails were also located on the Property. Vacant land was located immediately to the west of the northern portion of the Property. The Los Angeles River was located to the west of the Property. Vacant land was located on the western side of the river. Vacant land with unpaved roads or trails was located to the north of the Property. A residential or agricultural building was located on a large lot east of the Property. Multiple unpaved roads or trails crossed the large lot. West Anaheim Street was located immediately south of the Property. A rectangular building was located on the south side of West Anaheim Street. Railroad tracks were present on the eastern side of the rectangular building.	Topographic map and Aerial photograph
1925	No significant changes from the 1923 topographic map were noted on the Property. Railroad tracks were present on both sides of the Los Angeles River, west of the Property.	Topographic map
1928	Multiple buildings were located on the Property. At least three buildings were constructed immediately west of the northern portion of the Property. Various commercial or industrial buildings were depicted west of the Los Angeles River. A gated animal pen was depicted on the large lot east of the Property.	Aerial photograph
1929	A building permit was issued for alterations to a municipal garage (1401 San Francisco Avenue).	Building permits
1931	City Garage was listed as the occupant of the northern portion of the Property (1401 San Francisco Avenue).	City directory
1932	A building permit was issued to construct a carpenter shop and store room for the City of Long Beach (1401 San Francisco Avenue).	Building permits
1935 and 1938	Building permits for the construction of a lumber storage shed and additions to covered driveways were issued to A.E. Fickling for Property address 929 West Anaheim Street.	Building permits

Year	Description	Source
1942	The railroad tracks previously located west of the Property (on the east side of the Los Angeles River) were no longer present.	Topographic map
1943	An additional building was depicted south of the Property, across West Anaheim Street.	Topographic map
1947	The Property was divided into two sections, separated by a street. The northern portion of the Property was occupied by at least eight commercial buildings. The southern portion of the Property was occupied by at least three buildings. Industrial development was present to the west of the Property, beyond the Los Angeles River, and to the north of the Property.	Topographic map and Aerial photograph
1948	A.E. Fickling Lumber Company was listed as the occupant of the southern portion of the Property (929 West Anaheim Street).	City directory
1949	Four buildings were depicted on the east side of the northern portion of the Property. Five buildings were depicted on the southern portion of the Property. Two buildings were located to the west of the northern portion of the Property, between the Property and the Los Angeles River.	Topographic map
1950	The northern portion of the Property was occupied by the Long Beach City Yard and City of Long Beach Public Service Department. Building uses included storage, labs, warehouses, woodworking and plumbing, a carpenter, and a paint shop. West 14 th Street separated the northern portion of the Property from the southern portion. The southern portion of the Property was occupied by the Fickling Lumber Company and an animal hospital. Building uses included lumber storage, building materials warehouses, a planing mill, and kennels. David Roofing Company and Standard Stations Inc. Wilmington were listed as additional occupants of the southern portion of the Property (929 West Anaheim Street). The City Animal Shelter was located to the west of the northern portion of the Property. Buildings at the shelter included offices, kennels, and gas chambers. The Los Angeles County Flood Control Channel was located to the west of the Property. A vacant building and automobile garage were located to the south of the Property. Truck parking and the Adohr Milk Farm garage and truck repair area were located to the east of the northern portion of the Property.	Sanborn map

Year	Description	Source
1951	A building permit was issued for the construction of lumber storage on the southern portion of the Property (929 West Anaheim Street).	City directory
1952	AE Fickling Lumber Company was listed as the sole occupant of the southern portion of the Property (929 West Anaheim Street). The City Public Service Department was listed as the occupant of the adjoining site to the north of the Property (1601 San Francisco Avenue).	City directory
1953	The northern portion of the Property appeared relatively unchanged from the layout depicted in the 1950 Sanborn map. A street was constructed east of the southern portion of the Property, and vacant land was present to the east of the street. A building permit was issued for the construction of lumber storage on the southern portion of the Property (929 West Anaheim Street). Industrial development was present to the north and east of the Property. The agricultural or residential building previously located to the east of the southern portion of the Property was no longer depicted, and the land was mainly vacant, with some vehicle parking present. A large industrial warehouse and paved parking area were present to the south of the Property. A freeway was constructed west of the Los Angeles River, and industrial development was present west of the freeway.	Aerial photograph and Building permits
1954	Rays Vacuum Truck Service and Routh Transportation are listed as the occupants of one of the adjoining sites to the east of the Property (800 West 15 th Street).	City directory
1957	The Long Beach City Health Department and City Public Service Department were listed as the occupants of the adjoining site to the north of the Property (1601 San Francisco Avenue). Youngs Market Company liquors and Kuster Electrical Company construction yard occupied two of the adjoining sites to the east of the Property (899 West Cowles and 801 West 14th Street).	City directory
1960	Diamond Cab Company and Yellow Cab Company were listed as the occupants of one of the adjoining sites to the east of the Property (1444 San Francisco Avenue).	City directory

Year	Description	Source
1963	The northern portion of the Property was occupied by a portion of the Long Beach City Yard and City of Long Beach Public Service Department. Building uses included parking garages, a paint shop with metal spray booth, laboratory, carpentry, warehouses, storage areas, sheds, and woodworking and plumbing. The southern portion of the Property was occupied by the A.E. Fickling Lumber Company. Building uses included lumber storage, a mill, and building materials storage. The street located on the west side of the southern portion of the Property was labeled De Forest Avenue. Amundsen Delman was listed as an additional occupant of the southern portion of the Property (929 West Anaheim Street). The remainder of the Long Beach City Yard was located to the west of the northern portion of the Property. Building uses included offices and storage areas. A liquor warehouse and private garage were located to the east of the Property.	Aerial photograph, City directory, and Sanborn map
1964	Site-specific details were not provided on the 1964 topographic map. No significant changes from the 1949 topographic map were noted on the Property or surrounding areas. Yellow Cab Gardena and Market Bench Company were listed as the occupants of one of the adjoining sites to the east (1444 San Francisco Avenue). Pameco-Aire was listed as the occupant of 733 West Cowles Street, located east of the Property.	Topographic map and City directory
1969	San Francisco Avenue Inc. Auto was listed as an additional occupant of 1444 San Francisco Avenue, located east of the Property.	City directory
1972	The smaller storage buildings previously located on the southern portion of the Property were replaced with a larger building. Industrial warehouses were present to the east of the southern portion of the Property.	Topographic map and Aerial photograph
1975	Mayes Kyle O Co. Inc. Trucking (800 West 15 th Street), Lawnee Inc (899 West Cowles), Technical Service Company (801 West 14 th Street), South Pac Canning Co, South Coast Fisheries Co, and The Halfhill Co (806 West 14 th Street) were listed as the occupants of the adjoining sites to the east of the Property.	City directory
1976	Three buildings and some material storage were located on the southern portion of the Property.	Aerial photograph

Year	Description	Source
1980	Medi Diamond, Long Beach Special Services, Dollar Ride, Diamond Cab Company, Bellflower City of Dollar Ride, Long Beach Airport Transportation, and Yellow Cab Company were listed as the occupants of one of the adjoining sites to the east of the Property (1444 San Francisco Avenue).	City directory
1981	Site-specific details were not provided on the 1981 topographic map. No significant changes from the 1964 topographic map were noted on the Property or surrounding areas.	Topographic map
1985	Long Beach Food Bank (1444 San Francisco Avenue), Magtrol Electrical Supplies (806 West 14 th Street), and Chancellor & Ogden Inc. (800 West 15 th Street) were listed as some of the occupants of adjoining sites to the east.	City directory
1989	The buildings previously located on the southern portion of the Property were no longer present, and were replaced by vehicle parking. The streets previously located on the Property were no longer used as through-streets. A storage unit center was located to the east of the northern portion of the Property, and additional warehouses were constructed to the east of the southern portion of the Property.	Aerial photograph
1991	Ready Storage (800 West 15 th Street), Second Harvest Food Bank of Greater South Bay (1444 San Francisco Avenue), and Harty Building Inc./Seven Strand Tackie Corp. (899 West Cowles) were listed as some of the occupants of the adjoining sites to the east of the Property.	City directory
1994	Some of the buildings located on the northern portion of the Property were no longer present. Long Beach Storm Drains, Long Beach Maintenance, Long Beach Trees, and Long Beach Public Services Bureau were listed as the occupants of the adjoining site to the north of the Property (1601 San Francisco Avenue). Food Bank of Southern California (1444 San Francisco Avenue) and Gold Food Service (806 West 14 th Street) were listed as some of the occupants of adjoining sites to the east of the Property.	Aerial photograph and City directory
1999	Various City of Long Beach departments were listed as the occupants of the adjoining site to the north (1601 San Francisco Avenue). Atlantic Steamers Supply Company (899 West Cowles), The Hawaiian Connection (1444 San Francisco Avenue), Everetts Automotive (806 West 14 th Street), and Hill Ammunition Corporation (733 West Anaheim Street) were listed as occupants of adjoining sites to the east of the Property.	City directory

Year	Description	Source
2002	An industrial building and parking area was constructed on the southern portion of the Property. An industrial area was present to the west of the Property, across the Los Angeles River.	Aerial photograph
2004	Gulf Marine & Industrial Supplies Inc., Poseidonia Ship Supply, and Jason Gaines were listed as additional occupants of 899 West Cowles Street, located east of the Property. Hydraulic Automation Control Inc. was listed as the occupant of 806 West 14 th Street, located east of the Property.	City directory
2005 and 2009	No significant changes from the 2002 aerial photograph were noted on the Property or surrounding areas.	Aerial photograph
2012	All of the buildings on the southern portion of the Property and several of the buildings on the northern portion of the Property were no longer present. The structures previously located to the west of the northern portion of the Property were removed, and the sites located to the west and north of the Property were used for material storage.	Topographic map and Aerial photograph
2014	G&J Forklift Inc. was listed as the occupant of 899 West Cowles Street, located east of the Property.	City directory
2016	The Property was used as a storage yard. One building was present on the northern portion of the Property. Vacant, overgrown land was present to the west of the northern portion of the Property. No significant changes from the 2012 aerial photograph were noted on the adjoining sites to the north, east, and south of the Property.	Aerial photograph

HISTORICAL USE SUMMARY

The Property was vacant land in the late 1890s and early 1900s. By 1923, at least three buildings were present on the Property. Historical sources indicate that City of Long Beach municipal service buildings (garage, carpenter shop, storeroom, etc.) were constructed on the northern portion of the Property in the 1920s and 1930s. The southern portion of the Property was developed as a private lumberyard in the 1930s. By 1947, a road (an extension of West 14th Street) crossed the center of the Property, dividing it into two sections, with numerous commercial buildings on both the northern and southern portions. The 1950 Sanborn map identified the Long Beach City Yard and City of Long Beach Public Service Department as the occupants of the northern portion of the Property. Building uses included storage, labs, warehouses, woodworking and plumbing, a carpenter shop, and a paint shop. Fickling Lumber Company and an animal hospital occupied the southern portion of the Property, to the south of West 14th Street. Building uses included lumber storage, building materials warehouses, a planing mill, and kennels. David Roofing Company and Standard Stations Inc. Wilmington were listed as additional occupants of the southern portion of the Property (929 West Anaheim Street). By 1963, a paint shop and metal spray booth was present at the City yard on the

northern side of the Property. By 1989, the lumberyard buildings located on the southern portion of the Property were removed and replaced with truck and vehicle parking. By 2012, most of the buildings previously located on the Property were removed, and the Property appeared to be in its present day configuration.

Historical uses of the Property, particularly the presence of a paint shop and metal spray booth on the northern portion of the Property, are commonly associated with elevated environmental risk. Previous environmental investigations of these areas of concern are discussed in Section 11.

HISTORICAL USE OF ADJOINING SITES

The adjoining sites were predominantly vacant land from at least 1896 through the early 1920s, when commercial buildings were constructed to the south and east of the Property. Tenants at adjoining sites have included storage centers, forklift repair, food banks, marine supplies, automotive repair, City of Long Beach Services, and cab companies.

11 COMMONLY KNOWN OR REASONABLY ASCERTAINABLE INFORMATION

In order to identify commonly known or reasonably ascertainable information about the Property, SCS reviewed previous environmental reports and various regulatory agency files and interviewed regulatory agency personnel. The following information was identified.

PREVIOUS ENVIRONMENTAL REPORTS

The following reports have been prepared and/or reviewed by SCS:

- SCS Engineers, February 22, 2005. *Phase I Environmental Assessment, Long Beach Public Service Yard, San Francisco Avenue – 7 APNs, Long Beach, California*, (File No. 01204007.01)
- SCS Engineers, August 2, 2005. *Phase II Site Investigation Report, Long Beach Public Service Yard, 1601 San Francisco Avenue, Long Beach, California*, (File No. 01204007.02).
- SCS Engineers, October 17, 2005. *Groundwater Investigation Report, Former Long Beach City Tow Yard, 901 West Anaheim (APN 7271-007-902), Long Beach, California (LARWQCB NO. 908130498)*, (File No. 01204007.02).
- SCS Engineers, April 17, 2006. *First Quarter 2006 Groundwater Monitoring, 901 West Anaheim, Long Beach, California*, (File No. 01204007.03).
- SCS Engineers, July 18, 2006. *Second Quarter 2006 Groundwater Monitoring, 901 West Anaheim, Long Beach, California*, (File No. 01204007.03).
- SCS Engineers, October 16, 2006. *Third Quarter 2006 Groundwater Monitoring, 901 West Anaheim, Long Beach, California*, (File No. 01204007.03). Pacific Coast Tank, July 1, 2008. *Underground Storage Tank Removal Report*.
- SCS Engineers, April 2010. *Groundwater Monitoring Report, Former Long Beach City Tow Yard, 901 West Anaheim, Long Beach, California*, (File No. 01209295.00).

- SCS Engineers, November 5, 2010. *Phase I Environmental Assessment, Former Long Beach Public Service Yard, 5½ Parcels at Anaheim Street and San Francisco Avenue, Long Beach, California*, (File No. 01210161.00).
- SCS Engineers, December 1, 2010. *Phase II Investigation Report, Former Long Beach Public Service Yard, 949 W. Anaheim Street, Long Beach, California 90813 (APN 7172-007-903)* (File No. 01210161.01).
- SCS Engineers, February 2, 2011. *Second Semiannual 2010 Groundwater Monitoring Report, Former Long Beach City Tow Yard, 901 West Anaheim, Long Beach, California*, (File No. 01209295.00).
- SCS Engineers, August 9, 2011. *Report of Closure Activities – Former Long Beach City Tow Yard, 901 West Anaheim Street, Long Beach, California* (File No. 01209295.00).
- SCS Engineers, March 2, 2012. *Confirmation Sampling Report, Former Long Beach Public Service Yard, APNs 7271-007-005 and 7271-012-023, Long Beach, California* (File No. 01210161.05).
- SCS Engineers, July 18, 2012. *Summary Report Related to a Geophysical Survey at 949 West Anaheim Street and “Suspect” Wells at 1601 San Francisco Avenue, Long Beach, California* (File No. 01210161.07).
- SCS Engineers, February 2013. *Clarifier Removal Report, Former Long Beach Public Service Yard, 1725 San Francisco Avenue, Long Beach, California* (File No. 01212361.00).
- SCS Engineers, May 9, 2013. *Draft Summary of Site Characterization Activities and Analytical Data Letter, Former Long Beach Public Service Yard, 1725 San Francisco Avenue, Long Beach, California* (File No 01212361.00).
- SCS Engineers, March 2012, Revised May 2014. *Revised Remedial Action Plan, Former Long Beach Public Service Yard (APNs 7271-011-008 and 7271-008-013), Long Beach, California* (File No. 01210161.09).
- SCS Engineers, October 6, 2014. *Letter Re: Submittal of Proposed CAP detail and Schedule, Former Long Beach Public Service Yard (APNs 7271-011-008 and 7271-008-013), Long Beach, California* (File No. 01210161.10).
- SCS Engineers, March 23, 2015. *Site Remediation and Closure Report, “Yard Parcel” of the Former Long Beach Public Service Yard (APNs a portion of 7271-011-008 and 7271-008-013, Long Beach, California* (File No. 01210161.10).
- SCS Engineers, July 13, 2015. *Phase I Environmental Site Assessment, Former Long Beach Public Service Yard, 5 ½ Parcels at Anaheim Street and San Francisco Avenue, Long Beach, California 90813* (File No. 01210161.11).

Numerous investigations, listed above (included in **Appendix D**), have been conducted by SCS on the Long Beach Public Service Yard (LBPSY), which was historically located on the northern portion of the Property and adjoining parcels to the north. It should be noted that the address of 1725 San Francisco Avenue has been used for operations (i.e. UST and clarifier removals and potentially other

waste disposal) throughout the LBPSY, including portions of the Property covered by this assessment. Addresses of 1401 San Francisco and 901, 929, and 949 West Anaheim Street have been associated with various activities at the Property. In addition, please note that the APNs associated with the Property have changed over the years.

Summary of Previous Investigations

In 2005, SCS conducted a Phase I ESA of seven parcels utilized for various operations performed by Long Beach Public Services (e.g. traffic management, street maintenance, and landscaping). The southernmost three parcels included in the 2005 assessment encompassed the Property (at that time the APNs for the Property included 7271-007-902, 7271-008-900, and a portion of 7271-011-900), which were still occupied by public works operations. SCS interviewed public works staff with extensive knowledge of the Property history. In 2010, SCS conducted a Phase I ESA of five and a half of the above parcels included in the 2005 assessment (at this time the APNs for the Property were designated 7271-007-903, 7271-008-901, and a portion of 7271-011-900). In 2015, SCS conducted a Phase I ESA of the same five and a half parcels during which the southern parcel of the Property did not have an assigned APN and the remainder was designated as APNs 7271-008-013 and the eastern portion of 7271-011-008. The previous Phase I ESAs concluded the following:

- Historical information indicates that portions of the former LBPSY (which extended beyond the Property to the north) were initially developed for commercial use as early as 1926, and have been used for commercial or industrial purposes since that time. Historical information identified that two previous occupants of the Property as Superior Laundry at 1317 San Francisco Avenue in 1926, and a gas station at 949 West Anaheim from at least 1931 through 1935.
- In 2015, the Property was occupied by Petros as a storage yard (the “Petros Yard”). The Petros yard stored pipes and fittings associated with the oil and gas industry, similar to current use.
- The area was previously utilized for various operations performed by Long Beach public service departments (e.g. traffic management, street maintenance, plumbing, and landscaping) and was occupied by numerous buildings and storage sheds. Historical operations at the LBPSY considered to be of environmental concern included a carwash, two clarifiers, paint spray booth, former fueling station, fill material containing debris from the 1933 earthquake, and petroleum-related impacts to soil and/or groundwater from USTs. Although these features were previously identified in available historical documents during previous assessments, the available historical information provided for this assessment did not identify the carwash or former fueling station on the Property. Further, historic operations on the Property have included vehicle and equipment maintenance, hazardous waste storage, painting shop, chemical laboratory, landscaping departments, machine shop, etc. The locations and nature of these operations appeared to be transitory, and it was determined that there was a potential that waste oils, various pesticides, oils, paint, and solvents were spilled or leaked over the 70 plus years of operation.

However, since the initial Phase I ESA in 2005, historical features have since been removed and numerous phases of investigation and/or remediation have been conducted to investigate the previously identified RECs, the status of which can be summarized as follows:

- o A Phase II investigation (SCS, August 2, 2005), consisting of soil and soil vapor sampling, was conducted to address concerns identified in the 2005 Phase I ESA. Based on the results of this investigation, the previously identified hazardous

materials storage areas, previous use of solvents, and former fueling station were considered historical recognized environmental conditions (HRECs).

- o A 550-gallon gasoline UST was located in the 14th Street right-of-way (APN 7271-008-014, **Figure 3**). The UST was removed on August 30, 1995. A groundwater investigation and subsequent monitoring events were conducted. The Los Angeles Regional Water Quality Control Board (RWQCB) issued a No Further Action (NFA) letter for the 550-gallon UST at the 14th Street right-of-way in a letter dated July 6, 2011 (**Appendix E**). The associated groundwater monitoring wells were subsequently abandoned on July 22, 2011. Because the RWQCB closed the case allowing residual contamination to remain in place, this former UST is considered a controlled recognized environmental condition (CREC). The RWQCB did not make any restrictions regarding the UST; however appropriate measures should be taken if digging is to occur in the area.
- o Two 12,000-gallon USTs were located at the northeast corner of APN 7271-008-016 at 1445 San Francisco Avenue (**Figure 3**). The tanks (one gasoline and one diesel), installed in November 1998, were removed on July 2, 2008. The RWQCB issued an NFA letter dated July 3, 2012 (**Appendix E**). These former USTs constitute an HREC with regard to the Property.
- o A Phase II Investigation (conducted in November 2010) and geophysical survey (conducted in July 2012) were performed on the southern portion of APN 7172-007-005 (**Figure 3**) in association with the historical gas station located at 949 West Anaheim Street, which is not a confirmed address of the Property, but was potentially located in this area. The November 2010 and July 2012 investigations of the southern portion of the Property did not identify any obvious signs of former USTs or associated fuel-impacts indicative of a release associated with former USTs. As a result, the potential of a former service station at 949 West Anaheim Street is considered an HREC.
- o Fill soil (presumed 1933 earthquake debris) was primarily anticipated on two parcels in the center of the contiguous portion of the former LBPSY (APN 7271-008-016 and adjacent parcel 7271-011-902) a Remedial Action Plan (SCS, March 2012, Revised May 2014). Very little fill soil existed on southerly portion of the Property (APN 7271-007-005; historically identified as APN 7271-007-902) and in order to expedite obtaining No Further Action (NFA) letters for the southern parcel, in anticipation of its imminent lease, a separate investigation was conducted at the southern end of the Property under Department of Human Health Services (DHHS) oversight. The results of this investigation (SCS, March 2, 2012) concluded that no evidence of significant impacts from lead or other metals associated with fill soil was identified. The DHHS subsequently issued an NFA letter for this parcel dated July 11, 2012 (**Appendix E**). Based on use of this parcel for storage purposes only, the presence of fill soils was previously considered to be an HREC, however, because the Property is now planned for redevelopment, the presence of the debris and lead-impacted soil that may be encountered, although anticipated to be minimal, is considered a REC. A soil management plan (SMP) should be prepared for management of any debris- and/or lead-impacted soil that may be encountered during planned re-development activities.
- o In January 2013, clarifiers associated with former car wash (located within the earthquake fill area) and paint rinse areas were removed. Clarifier abandonment activities were conducted with oversight provided by the Long Beach Fire Department

(LBFD) (SCS, February 2013). The DHHS issued an NFA letter dated March 13, 2013 (**Appendix E**). The clarifiers are considered an HREC with respect to the Property.

- o APNs 7271-008-016 (part of the Property) and 7271-011-902 (adjacent to the Property), historically APNs 7271-011-008 and 7271-008-013, which held the bulk of the suspected earthquake debris, were remediated between August 2014 and February 2015, as further discussed below.

Remedial Activities

The northern portion of the Property, APN 7271-008-016 (historically APNs 7271-011-008 and 7271-008-013) that held the bulk of the suspected earthquake debris was remediated between August 2014 and February 2015 with SCS oversight. Because of the volumes of lead-impacted debris on these parcels, negotiations between the owner, San Francisco Yard LLC (the “SFY”), and City of Long Beach (the “City”) were conducted to evaluate remedial alternatives for the Property. The remedial solution proposed and approved in the Remedial Action Plan was to move the impacted soil from the southern and eastern portions of the Property and place them in a capped area on the northwesterly portion of the site that the City would, in turn, purchase from SFY creating two “operable units,” as follows:

- o **Yard Parcel (currently APN 7271-008-016)** – This operable unit, owned by SFY, is an L-shaped, approximately 3.5 acre parcel that includes the southern portion of the block as well as a strip of land fronting San Francisco Avenue. Remediation of the Yard Parcel was proposed to meet cleanup goals, with a goal of receiving an NFA letter from the DHHS.
- o **Long Beach Parcel (currently APN 7271-011-902)** – This operable unit is a rectangular-shaped parcel, approximately 1.8-acres in area and is located outside the northwestern portion of the Property. This operable unit was used to stockpile the metals-impacted fill material, has been covered with two layers of a proposed 3 layer cap (third layer to consist of 1.5 feet of dirt to be placed in the future), and will be subject to a deed restriction as a condition of receiving an NFA letter. This parcel was purchased from SFY by the City.

As part of the remedial excavation activities of the Yard Parcel, approximately 44,000 cubic yards of impacted material was excavated from the Yard Parcel and placed on the Long Beach Parcel. Because debris extended beyond the Property boundaries, the impacted material was excavated to the extent possible without extending past the Property boundaries (i.e. into the river path). Therefore, impacted material will remain below the surface (and unexposed) in several other areas of the Property including: potentially beneath the building that remains on the northern portion of the Property (which will remain in place as part of re-development activities), along the western property line, and in an area where the Southern California Edison pole and support are located. The limited impacted areas that remain are depicted on **Figure 4** (included in **Appendix A**). As previously discussed, an SMP should be prepared for management of any debris- and/or lead-impacted soil that may be encountered during planned re-development activities.

Approximately 12,614 cubic yards of clean soil was imported from two construction sites for backfill of the remedial excavation area on the Yard Parcel. The excavation was backfilled, graded, and compacted prior to being paved with asphalt for use by Petros. A total of 78 confirmation samples (S1 through S78) were collected on a grid spacing of approximately every 50 feet. Concentrations of lead in the 78 samples ranged from non-detect (less than 2.5 milligrams per kilogram [mg/kg]) to 102 mg/kg, all well below the cleanup goal of 320 mg/kg. The DHHS issued an NFA letter for the

Yard Parcel dated April 27, 2015 (**Appendix E**). The presence of residual fill debris with elevated lead concentrations in certain areas of the Property, allowed by the DHHS, is considered a CREC. Additionally, based on the site inspection for this Phase I ESA the final cap for the Long Beach Parcel was not completed and therefore, as previously discussed, this represents a BER with respect to the Property.

As previously indicated, copies of all associated reports are included in **Appendix D**. Copies of NFA letters are included in **Appendix E**.

REGULATORY AGENCY RECORDS

Local regulatory agencies and other sources were contacted in an effort to identify any known or suspected contamination sites or incidents of hazardous waste storage or disposal which might have resulted in soil or groundwater contamination within a one-mile radius of the Property. Within the City of Long Beach, the LBFD generally acts as the lead enforcement agency for UST compliance. If soil or groundwater contamination is suspected, the DHHS generally acts as the lead enforcement agency for subsequent investigations. However, if groundwater has been affected, the RWQCB generally becomes the lead agency for contamination characterization and cleanup.

Files have previously been reviewed as part of the previous Phase I ESAs as discussed above. In addition, anything in the files since that time has been generated by SCS and also previously discussed. Updated file requests were submitted to the DTSC, RWQCB, LBFD, DHHS, and Los Angeles County Department of Public Works (LACDPW). Responses were received from the DTSC and LACDPW, indicating that no files were identified for the Property. As of the time of this report, files had not been returned from the DHHS, RWQCB, or LBFD. Based on the previous file reviews completed, the lack of responses from the other agencies does not represent a significant data gap.

12 REVIEW OF FEDERAL, STATE, TRIBAL, AND LOCAL GOVERNMENT DATABASES

A database search for sites listed on various federal, state, tribal, and local databases in the area around the Property was obtained from EDR (April 29, 2020). A description of each of the databases searched is included in the report, which is attached as **Appendix F**. Among the databases included in the EDR report are NPL (federal, tribal, and state-equivalent), proposed and delisted NPL, CORRACTS (RCRA facilities subject to corrective actions), hazardous waste sites identified for investigation or remediation (SEMS [Superfund Enterprise Management System, formerly known as CERCLIS], State CERCLIS, VCP, Brownfields Calsites, etc.), LUST, sites with engineering controls, former CERCLIS (NFRAP), RCRA and state hazardous waste generators, ERNS, SWLF, USTs, and Toxic Pits.

Review of these records satisfies all requirements as set forth in 40 CFR Section 312.26 (b) and (c) with regard to the review of federal, tribal, and state government records of databases of such government records and local government records and databases of such records pertaining to both the Property and the nearby or adjoining properties. Further, the search distances for each particular database are as specified in 40 CFR 312.26 and ASTM E1527-13.

Any known or suspected contaminated sites included on these lists within 0.25 miles of the Property are discussed in the following text. As a general rule, sites beyond 0.25 miles are not anticipated to impact a site significantly. Any sites beyond 0.25 miles with a high potential to impact the Property are also discussed. (Please note: the distances and directions listed in this report have been field verified and might not always match those in the EDR report.)

Sites such as TSD facilities, hazardous waste generators, HAZNET, FINDS, SQGs, LQGs, USTs, HIST UST, RCRA violations, and TRIS facilities with toxic chemical releases (generally in accordance with permitting requirements - into the air, water, or land as reported under SARA Title III) use or store hazardous materials and thus may pose a potential problem in the event of a spill or leak. However, unless these sites also appear in an agency list of contaminated sites, there is no evidence of any problems at this time. Therefore, sites on these lists will not be discussed unless on or in close proximity to the Property.

Please refer to **Appendix F** for further information on these sites.

PROPERTY LISTINGS

The Property is identified in the EDR database report as Anaheim Street and San Francisco Avenue, between 14th and 15th Street. The Property is identified on the NDPES and CIWQS databases. The database listings concerns a construction stormwater monitoring program that was terminated in 2015. No violations were reported for the Property.

Historical Property addresses 1475 San Francisco Avenue and 901 West Anaheim Street are identified in the EDR database report as City of Long Beach Testing Lab and Vehicle Tow Yard, respectively. The City of Long Beach Testing Lab is listed on the RCRA-SQG, FINDS, and ECHO databases. No violations were reported. Vehicle Tow Yard is listed on the HIST CORTESE database, likely associated with the former USTs located on the Property, which are discussed further in Section 11.

ADJACENT SITE LISTINGS

The Food Bank of Southern California, located adjacent to the Property to the west at 1444 San Francisco Avenue, is identified on the UST, HIST UST, SWEEPS UST, CA FID UST, LUST, HIST CORTESE, and CERS databases. A leak was reported on the site in 1990, and closure was issued by the RWQCB in 1996. Based on the case status (closed), the Food Bank of Southern California site is not anticipated to adversely affect the environmental condition of the Property.

G&J Forklift Inc., located adjacent to the Property to the east at 899 West Cowles Street, is listed on the RCRA NONGEN/NLR database as a hazardous waste transporter. No violations have been reported for the site, and based on the available information, G&J Forklift is not anticipated to have adversely impacted the environmental condition of the Property.

Seven Strand Tackle Corp, also located adjacent to the Property to the west at 899 Cowles Street, is listed on the HWTS, RCRA-SQG, CERS HAZ WASTE, FINDS, ECHO, HAZNET, and CERS databases. Between 1991 and 2005, Seven Strand Tackle Corp. manifested various quantities of liquids with pH less than or equal to two; oxygenated solvents; off-specification, aged, or surplus organics; other inorganic solid wastes; waste oil and mixed oil; unspecified solvent mixtures; alkaline solution without metals; and other empty containers 30 gallons or more. The site is listed as a Chemical Storage Facility, and violations for the site include observed high piled storage a permit, failure to complete and electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities, failure to keep a copy of properly signed manifests, failure to report program data electronically, and improper storage of propane. All violations have been returned to compliance. Based on the available information, Seven Strand Tackle Corp. is not anticipated to have adversely impacted the environmental condition of the Property.

Air Products and Chemicals Inc., located adjacent to the Property to south at 901 West 12th Street, is listed on the SEMS-ARCHIVE, RCRA NONGEN/NLR, FINDS, ECHO, HWTS, CERS HAZ WASTE, CERS TANKS, HAZNET, and CERS databases. The site is listed as a recycler and transporter of hazardous wastes. No violations have been reported. The site is listed as a hazardous waste generator and aboveground petroleum storage facility. Between 1997 and 2017, various quantities of other inorganic solid waste; off-specification, aged, or surplus organics; unspecified oil-containing waste; other spent catalyst; waste oil and mixed oil; other organic solids; asbestos containing waste; unspecified aqueous solution; latex waste; and unspecified organic liquid mixture were manifested for disposal from the site. Based on the available information, Air Products and Chemicals Inc. is not anticipated to have adversely impacted the environmental condition of the Property.

OTHER DATABASE SITES

The EDR report provides a summary table of regulatory database sites within specified distances of the Property, including standard environmental records, additional environmental records, high risk historical records, and recovered governmental records. This summary table is provided beginning on Page 4 of the EDR report (**Appendix F**).

Other sites located within 0.25 miles of the Property with known releases of hazardous substances such as LUST, CPS-SLIC, SEMS, SEMS-ARCHIVE, and ENVIROSTOR are located cross- or downgradient, or based on case status and/or distance are not expected to negatively affect the environmental condition of the Property. However, some of these sites have recorded releases of substances including hydrocarbons and volatile organic compounds, and groundwater in the area has been impacted. Based on this information, it is possible that impacted groundwater from these sites has migrated beneath the Property. Several sites located within 0.25 miles appear in databases not typically associated with documented releases, such as RCRA NONGEN/NLR, HIST UST, AST, CORTESE, CERS, UST, SWEEPS UST, HIST UST, CA FID UST, FINDS, ECHO, CERS HAZ WASTE, HWTS, HAZNET, EDR HIST AUTO, EMI, SWF/LF, DRYCLEANERS, RCRA-SQG, FTTS, HIST FTTS, HAULERS, HWP, ENF, PADS, and MWMP. Based on a review of the information for these sites, they are not expected to negatively affect the environmental condition of the Property. Similarly, none of the sites situated beyond 0.25 miles are expected to negatively affect the Property.

UNMAPPABLE OR ORPHAN SITES

Eleven unmappable sites were identified in the EDR report. Unmappable sites cannot be plotted due to inaccurate or incomplete addresses. Based on review of the provided data, including the estimated locations of the unmappable sites in relation to the Property, it appears unlikely that the unmappable sites have adversely affected the environmental condition of the Property.

LANDFILLS

A review of the Major Waste Systems Map (June 1972) was conducted to locate any landfills or transfer stations within a one-mile radius of the Property. No landfills were identified within 0.5 mile of the Property.

According to the Solid Waste Facility/Landfill database provided by EDR, one active transfer station (Public Service Transfer Station #1) is located near the Property. According to EDR, this facility is operated by the City of Long Beach Department of Public Works and references an address of 1601 San Francisco Avenue. However, the facility is reportedly located east of the 710 Freeway between Anaheim Street and Pacific Coast Highway, which is located across the Los Angeles River to the west

of the Property. The facility is reported to be a limited volume transfer operation (less than 12 tons per day). According to the Solid Waste Information System (SWIS) the SWIS number for the facility is 19-AA-1047. Available information studied on the CalRecycle database, identified the last inspection date was February 26, 2020. The inspection documented that no issues were observed, the site was in satisfactory condition. Based on the available information, the transfer station is not anticipated to have negatively impacted the environmental condition of the Property.

OIL AND GAS WELLS

Available oil and gas well maps from the California Department of Conservation, Geologic Energy Management Division (CalGEM) were reviewed to identify oil and gas wells on the Property or in the nearby area. According to the CalGEM Well Finder online database, the property located within the Wilmington Oil Field, however no wells are in the general vicinity of the Property. Numerous oil wells are present approximately 300 feet west of the Property across the Los Angeles River Flood Control Channel. Since these wells are on the opposite side of the river, no significant environmental impact to the Property is anticipated from oil and gas exploration or production. A map showing the location of the Property relative to nearby oil and gas wells is provided in **Appendix E**. Based on the available information, no significant environmental impacts to the Property are anticipated from oil and gas wells.

NATIONAL PIPELINE MAPPING SYSTEM

SCS reviewed the National Pipeline Mapping System (NPMS) website for the Property and surrounding area to identify any hazardous materials pipelines. The NPMS is a geographic information system (GIS) created by the U.S. Department of Transportation, Pipeline and Hazardous Materials Safety Administration (PHMSA), and Office of Pipeline Safety (OPS) in cooperation with other federal and state governmental agencies and the pipeline industry. The NPMS consists of geospatial data, attribute data, public contact information, and metadata pertaining to the interstate and intrastate hazardous liquid trunklines and hazardous liquid low-stress lines as well as gas transmission pipelines, liquefied natural gas (LNG) plants, and hazardous liquid breakout tanks (tanks that receive and store liquids transported by pipeline) jurisdictional to PHMSA. The nominal accuracy of geospatial data in the NPMS is +/-500 feet. The NPMS does not contain information on interconnects, pump and compressor stations, valves, direction of flow, capacity, throughput, or operating pressure. In addition, distribution and gathering pipelines are not included in the NPMS.

The NPMS is built from data submitted by pipeline, LNG plant, and breakout tank facility operators. Since 2002, transmission pipeline and LNG plant facility operators are required to submit mapping information to the NPMS and to update their submissions annually. Breakout tank operators are able to submit data to the NPMS on a voluntary basis.

Based on review of the NPMS website, the closest hazardous materials pipelines are across the Los Angeles River Channel approximately 700 feet to the west of the Property. Based on the available information, no negative environmental affects to the Property are anticipated from these pipelines.

13 USER PROVIDED INFORMATION

A User Questionnaire was not returned to SCS for inclusion in the report. Alere Property Group LLC provided no information beyond what is discussed above.

TITLE RECORDS

No title report was provided to SCS for review.

ENVIRONMENTAL LIENS OR ACTIVITY AND USE LIMITATIONS

No information regarding environmental liens or activity and use limitations was provided to SCS. No environmental liens or activity/use limitations were identified by SCS during the course of this assessment.

SPECIALIZED KNOWLEDGE

No specialized knowledge regarding the Property was provided to SCS by the User.

VALUATION REDUCTION FOR ENVIRONMENTAL ISSUES

No property valuation information was provided to SCS.

14 DEGREE OF OBVIOUSNESS OF THE PRESENCE/LIKELY PRESENCE OF CONTAMINATION ON THE PROPERTY

The Property was vacant land from at least 1896 until approximately 1923, when at least three buildings were depicted on the Property. The Property has been used for commercial purposes since 1923. Property uses have included lumber companies, an animal hospital, roofing and construction companies, and various operations performed by Long Beach public service departments. Numerous potential environmental concerns have been identified at the Property, including fill material containing debris from the 1933 earthquake, historical operations including vehicle and equipment maintenance, a paint shop, clarifiers, and historical USTs. Based on the locations and natures of these operations, it is possible that waste oils, various pesticides, paint, and solvents were spilled or leaked over years of operation.

However, numerous phases of investigation and remediation have been conducted on the Property, including a site-wide Phase II investigation of soil and soil vapor, groundwater investigations, UST and clarifier removals, a limited Phase II investigation and geophysical survey for a potential former service station, a confirmations sampling report for two parcels with limited fill debris, and remediation of closure report for two parcels with the bulk of the fill debris. As a result of these activities, six NFA letters have been issued in association with the Property. The Property is currently slated for redevelopment, and although an NFA was issued, there is known lead-impacted soil/earthquake debris that may be encountered during grading activities. SCS anticipates that any material encountered will be limited, however the presence of the debris constitutes a REC for the Property.

15 DATA GAPS

A data gap represents an inability on the part of the environmental professional to obtain information required by the standards and practices of 40 CFR 312 to fully identify conditions indicative of releases or threatened releases of hazardous substances on, at, in, or to the Property.

Environmental records requests from the Long Beach Fire Department (LBFD) and RWQCB were not returned as of the time of this report. Based on the previous site investigations performed, this does not constitute a significant data gap.

16 FINDINGS AND OPINIONS

Based on the scope of work performed, SCS finds the following:

The Property is located on the west side of San Francisco Avenue, between West 15th Street and West Anaheim Street. It is approximately 6.66 acres and is currently occupied by the Petros Tubular (Petros) storage yard. The Petros storage yard consists of a small, approximately 5,600-square-foot warehouse/office building and outdoor material storage areas. A paved lot with a small portable “break room” trailer is located on the southern portion of the Property, which Petros uses mainly for truck parking.

The Property was vacant land in the late 1890s and early 1900s. By 1923, at least three buildings were present on the Property. Historical sources indicate that City of Long Beach municipal service buildings (garage, carpenter shop, storeroom, etc.) were constructed on the northern portion of the Property in the 1920s and 1930s. The southern portion of the Property was developed as a private lumberyard in the 1930s. By 1947, a road (an extension of West 14th Street) crossed the center of the Property, dividing it into two sections, with numerous commercial buildings on both the northern and southern portions. The 1950 Sanborn map identified the Long Beach City Yard and City of Long Beach Public Service Department as the occupants of the northern portion of the Property. Building uses included storage, labs, warehouses, woodworking and plumbing, a carpenter shop, and a paint shop. Fickling Lumber Company and an animal hospital occupied the southern portion of the Property, to the south of West 14th Street. Building uses included lumber storage, building materials warehouses, a planing mill, and kennels. David Roofing Company and Standard Stations Inc. Wilmington were listed as additional occupants of the southern portion of the Property (929 West Anaheim Street). By 1963, a paint shop and metal spray booth was present at the City yard on the northern side of the Property. By 1989, the lumberyard buildings located on the southern portion of the Property were removed and replaced with truck and vehicle parking. By 2012, most of the buildings previously located on the Property were removed, and the Property appeared to be in its present day configuration.

The site reconnaissance did not identify any recognized environmental conditions (RECs) associated with the current Petros operations at the Property. A city-owned parcel with a lead-impacted soil stockpile covered with vegetation adjoins the northern portion of the Property immediately to the west. Visual observation of this stockpile identified that a final cap does not appear to have been installed. The area, separated from the Property by privacy fencing, was partially overgrown with weeds and brush that would typically prevent aerial migration onto the Property during wind events. During the site inspection, SCS was informed that a small fire occurred on the stockpile in the past month. The western half of the stockpile appeared burned, and some of the foliage that had grown atop the stockpile was no longer present. The lead-impacted soil pile is considered a BER.

Numerous potential environmental concerns were identified during previous Phase I ESAs, including fill material containing debris from the 1933 earthquake, USTs, clarifiers, paint and solvent storage, parts cleaning, former pesticide storage, identification of a potential gas station, and waste oil storage. SCS has conducted several investigations and overseen remedial excavation of soil at the Property. Based on the results of these investigations, the DHHS and/or RWQCB have issued several NFA letters. No significant evidence of releases of hazardous substances from some areas of concern investigated; so these areas are considered HRECs. Former USTs removed from the Property that received NFA closure allowed residual contamination to remain in place, so these areas are considered CRECs. Earthquake debris and associated lead-impacted soil was excavated from much of the Property during remediation activities in 2014 and 2015. Some residual lead-impacted debris remains in place, including beneath the building, along the western Property line, and beneath

a Southern California Edison electrical pole. Since DHHS has issued an NFA letter for the residual contamination in place, while left undisturbed it is considered a CREC. In light of planned redevelopment activities that may disturb this soil during grading, however, it constitutes a REC.

Observations during the site inspection indicate that adjacent properties are currently occupied by numerous commercial/industrial operators. No obvious RECs for the Property were identified on these adjacent sites. However, regulatory database information also indicates that numerous sites within 0.25 miles of the Property have had releases of substances including hydrocarbons and volatile organic compounds (VOCs), and groundwater in the area has been impacted. Based on this information, it is possible that impacted groundwater from these sites has migrated beneath the Property. Since plans call for the Property to be redeveloped with a continued commercial/industrial use, SCS recommends that lead-impacted material be segregated and removed from the Property.

In summary, SCS performed a Phase I Environmental Site Assessment of the Property located at 1601 San Francisco, Long Beach, California, in conformance with the scope and limitations of 40 CFR 312 and ASTM E1527-13. Any exceptions to, or deletions from, this practice are described in Section 5 of this report.

In the opinion of the Environmental Professionals, this assessment has revealed evidence of a condition indicative of a recognized environmental condition in connection with the Property, as discussed above.

A soil management plan (SMP) should be prepared for management of any debris- and/or lead-impacted soil that may be encountered during planned re-development activities.

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18 GLOSSARY/DEFINITIONS

AAI – All Appropriate Inquiry

AUL – Activity and Use Limitations

BTEX – Benzene, toluene, ethylbenzene, and total xylenes

CERCLA – Comprehensive, Environmental Response, Compensation, and Liability Act

CERCLIS – Comprehensive Environmental Response, Compensation, and Liability Information System

CFR – Code of Federal Regulations

CORRACTS – Corrective Action Against Responsible Parties at a RCRA site

CREC – A recognized environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (e.g., property use restrictions, AULs, or institutional or engineering controls).

DOGGR – Department of Oil, Gas, and Geothermal Resources

De Minimis Condition – A condition that generally does not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. Conditions determined to be *de minimis conditions* are not RECs or CRECs.

DTSC – California EPA Department of Toxic Substances Control

EDR – Environmental Data Resources, Inc.

EPA – Environmental Protection Agency

ERNS – Emergency Response Notification System

ESA – Environmental Site Assessment

FINDS – Facility Index System

HAZNET – California EPA Hazardous Waste Facility and Manifest Data

HREC – Historical Recognized Environmental Condition: A past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls

LOG – Large Quantity Hazardous Waste Generator

LUST – Leaking Underground Storage Tank

MCL – Maximum contaminant level

MTBE – Methyl-tert-butyl-ether

NFA – No Further Action determination

NFRAP – No Further Remedial Action Planned

NPL – National Priority List (Superfund)

PAHs – Polynuclear aromatic hydrocarbons

PCBs – Polychlorinated biphenyls

RCRA – Resource Conservation and Recovery Act

RCRIS – Resource Conservation and Recovery Information System

REC – *Recognized environmental condition* is defined by ASTM E 1527-13 as: “The presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. *De minimis conditions* are not *recognized environmental conditions*.”

ROD – Record of Decision

RBSLs – Risk-based Screening Levels

RSLs – Regional Screening Levels

RWQCB – Regional Water Quality Control Board

SARA – Superfund Amendments and Reauthorization Act

SLIC – Spills, Leaks, Investigations, and Cleanups database

SQG – Small Quantity Hazardous Waste Generator

SWIS – Solid Waste Information System

SWLF – Solid Waste Facility/Landfills

TPH – Total Petroleum Hydrocarbons

TRIS – Toxic Release Inventory System

TSD – Treatment, Storage, and/or Disposal Facility

User – The person or persons seeking to establish the innocent landowner defense, bona fide prospective purchaser liability protection, and/or contiguous property owner liability protection pursuant to CERCLA sections 101 and 107.

USGS – United States Geologic Survey

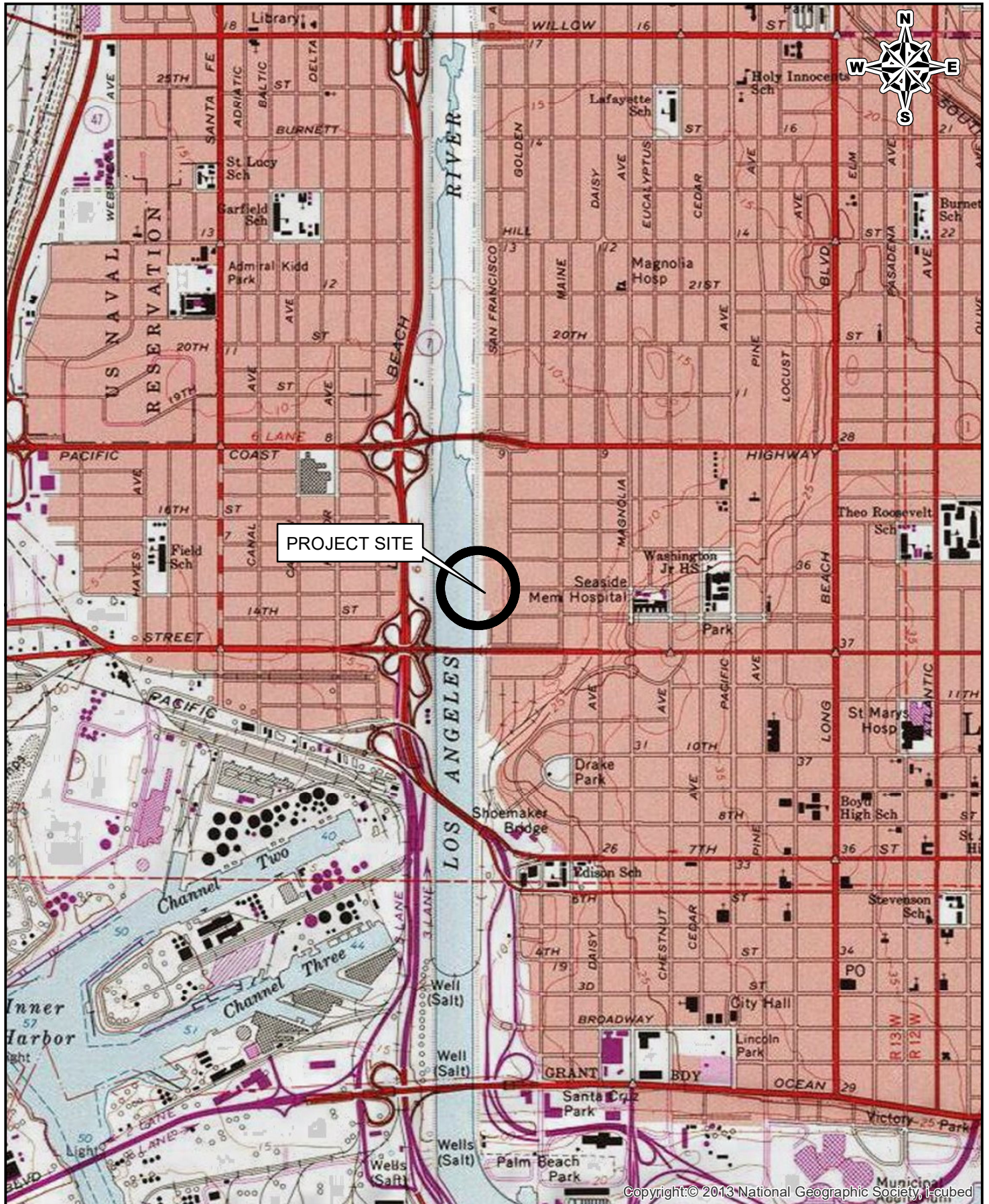
UST – Underground Storage Tank

VCP – Voluntary Cleanup Program

VOCs – Volatile organic compounds

Appendix A

Figures 1 through 4



SCS ENGINEERS

3900 KILROY AIRPORT WAY, SUITE 100
LONG BEACH, CALIFORNIA 90806

SITE:

929 West Anaheim Street &
1401 San Francisco Avenue
Long Beach, California 90813

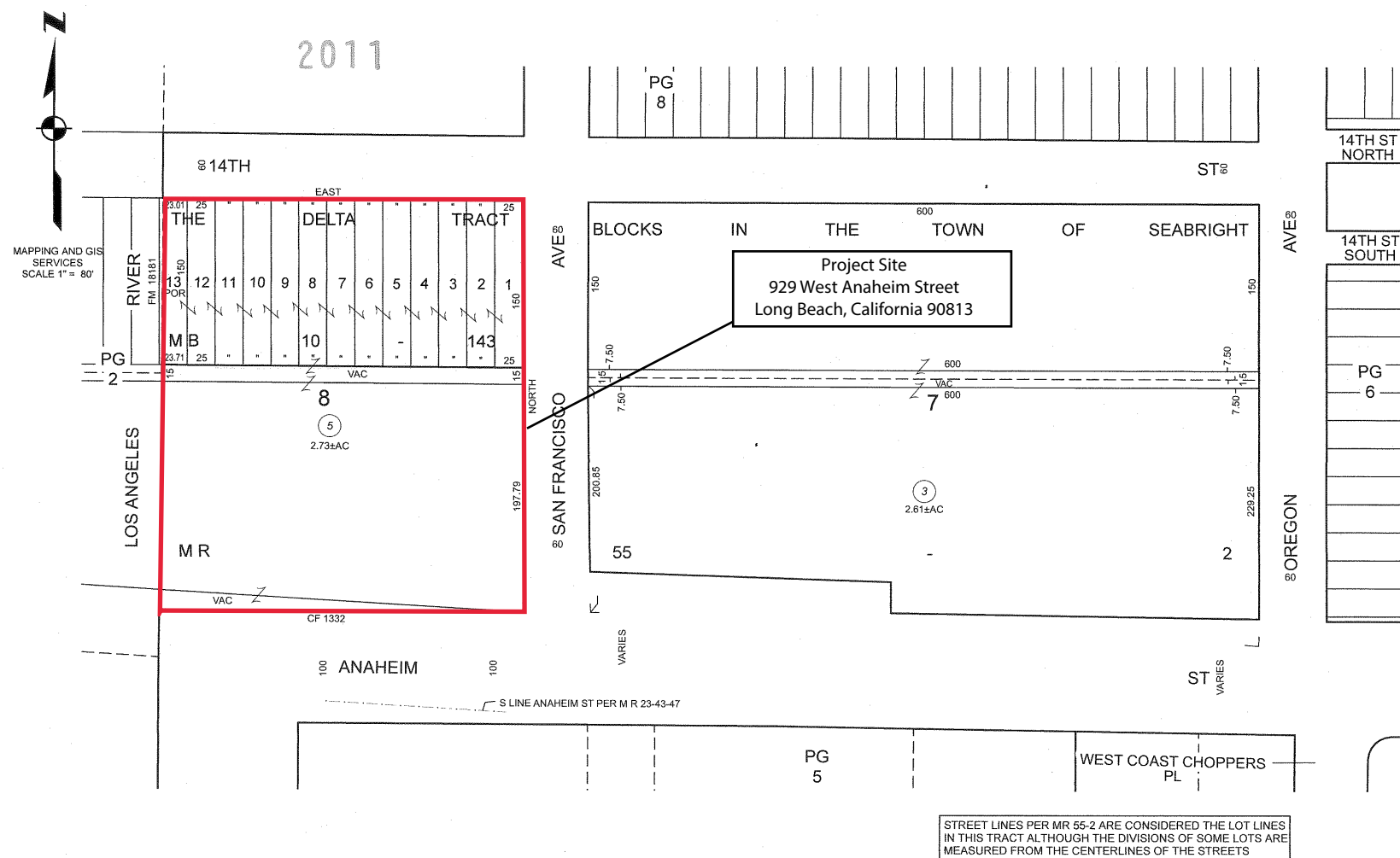
Job No.: 01210161.12 T3

Title: SITE LOCATION MAP

FIGURE

1

Figure 2a. Assessor's Parcel Map (APNs#: 7271-008-014 & 016)



SCS ENGINEERS

Figure 2b. Assessor's Parcel Map (APN#: 7271-007-005)

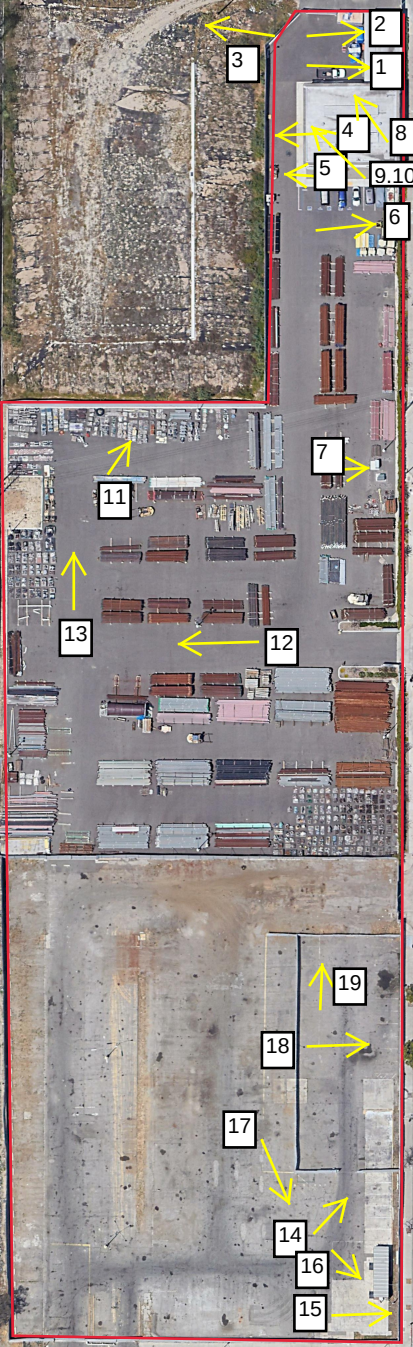
A north arrow pointing upwards with the letter 'N' in the center. Below it is a graphic scale bar with markings at 0, 100, and 200 feet. The text 'GRAPHIC SCALE' is above the bar and 'SCALE IN FEET' is below it.

FIGURE 4	DRAWING NO. SCALE: 1"=100'	DATE: MAY 2020	SCS ENGINEERS ENVIRONMENTAL CONSULTANTS 3900 KILROY AIRPORT WAY, SUITE 100 LONG BEACH, CA 90806 PH. (562) 426-9544 FAX. (562) 427-0805			CLIENT: ALERE PROPERTY GROUP, LLC 100 BAYVIEW CIRCLE, SUITE 130 NEWPORT BEACH, CA 92860	SHEET TITLE: MAP SHOWING REMEDIATION AREA AND AREAS THAT REMAIN WITH SOIL IMPACTS		NO. △ △ △ △ △ △ △	REVISION	DATE	
			PROJECT TITLE: FORMER LONG BEACH PUBLIC SERVICE YARD									
PROJ. NO.: 01210161.12			DRWN. BY: A. HUTCHENS		ACAD FILE: J/HW/2010/.12/Figs							
DSN. BY: A. HUTCHENS			CHKD. BY: T. WATKINS		APP. BY: J.RAUZON							



Appendix B

Aerial Image and Site Photographs





Photograph 1: Surface Drains at Property



Photograph 2: Surface Staining



Photograph 3: Lead-Impacted Landfill Material located east of the Property



Photograph 4: Signage for Lead-Impacted Material



Photograph 5: Hazardous Materials Storage Area



Photograph 6: Pole-Mounted Transformers



Photograph 7: Pad-Mounted Transformer



Photograph 8: Interior of Concrete Building



Photograph 9: Forklift Located inside Concrete Building



Photograph 10: Storage inside Building



Photograph 11: Material Storage in Asphalt-Paved Lot



Photograph 12: Stained Asphalt



Photograph 13: Lead-Impacted Soil Hill Showing Fire Damage



Photograph 14: Debris on Truck Bed and Staining Beneath Truck



Photograph 15: Material Storage outside Trailer on 929 West Anaheim Lot



Photograph 16: Trailer and Staining at 929 West Anaheim Street



Photograph 17: Truck with Staining/Spilled Liquid



Photograph 18: Paint Materials Stored at 929 West Anaheim Street



Photograph 19: Staining at 929 West Anaheim Street



Appendix C

Historical Site Use Information



929 West Anaheim Street &

1401 San Francisco Avenue

Long Beach, CA 90813

Inquiry Number: 6052641.8

April 30, 2020

The EDR Aerial Photo Decade Package



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

04/30/20

Site Name:

929 West Anaheim Street &
1401 San Francisco Avenue
Long Beach, CA 90813
EDR Inquiry # 6052641.8

Client Name:

SCS Engineers
3900 Kilroy Airport Way
Long Beach, CA 90806
Contact: Kim Braun



Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search Results:

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
2016	1"=500'	Flight Year: 2016	USDA/NAIP
2012	1"=500'	Flight Year: 2012	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2005	1"=500'	Flight Year: 2005	USDA/NAIP
2002	1"=500'	Flight Date: June 10, 2002	USDA
1994	1"=500'	Acquisition Date: May 31, 1994	USGS/DOQQ
1989	1"=500'	Flight Date: August 22, 1989	USDA
1976	1"=500'	Flight Date: January 01, 1976	Teledyne
1972	1"=500'	Flight Date: October 30, 1972	USGS
1963	1"=500'	Flight Date: February 28, 1963	USGS
1953	1"=500'	Flight Date: October 19, 1953	USDA
1947	1"=500'	Flight Date: June 17, 1947	FAIR
1928	1"=500'	Flight Date: January 01, 1928	FAIR
1923	1"=500'	Flight Date: January 01, 1923	FAIR

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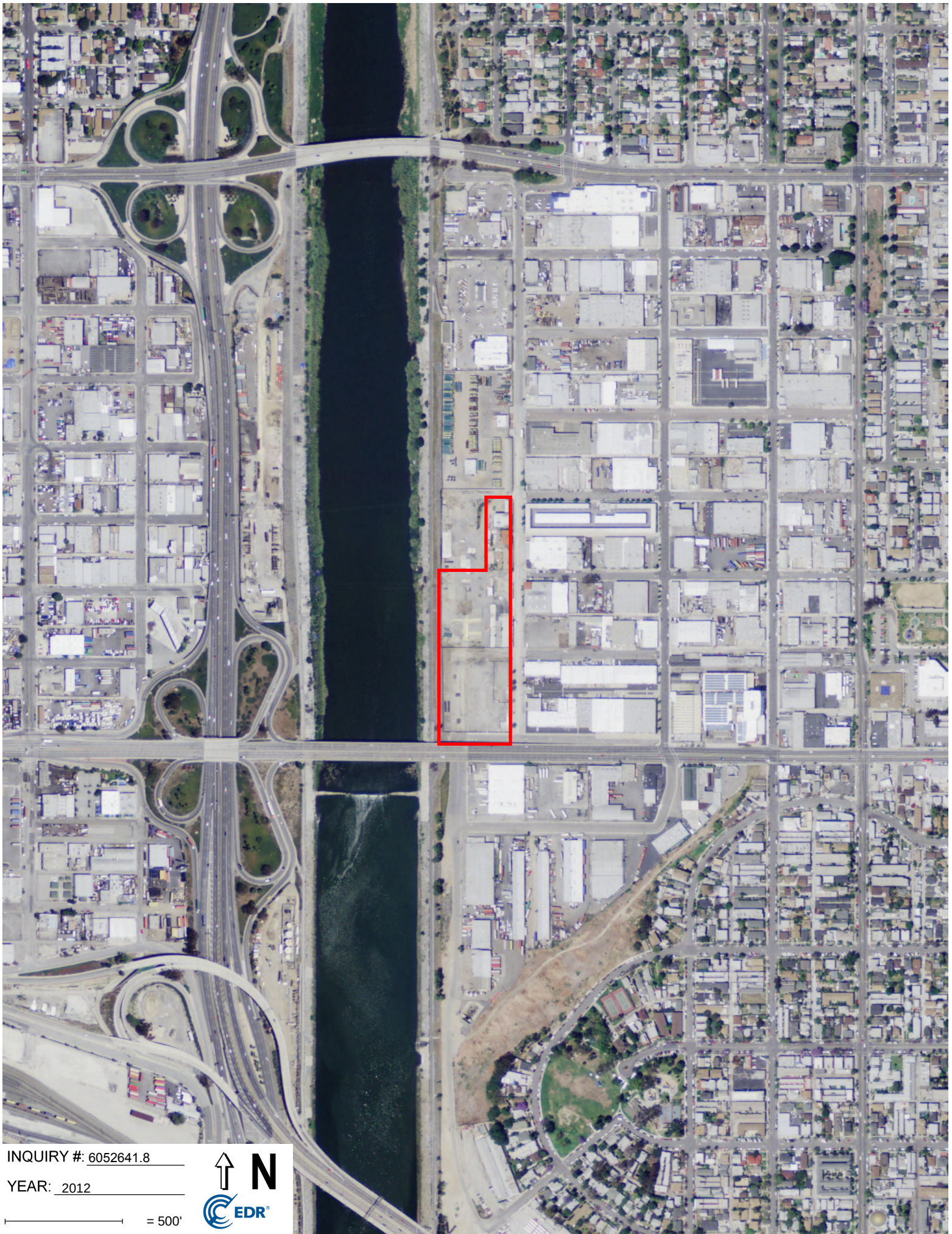


INQUIRY #: 6052641.8

YEAR: 2016

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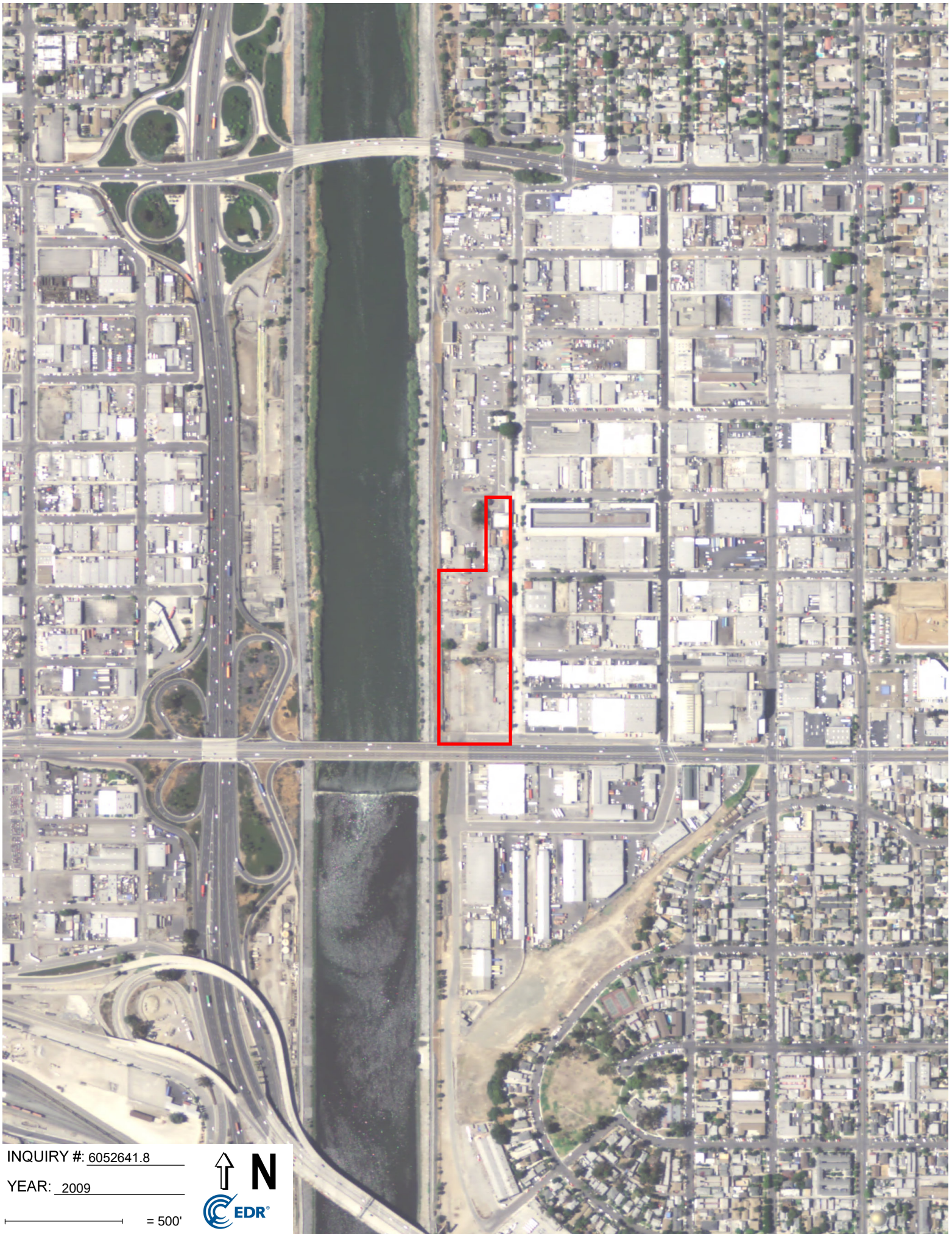


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YEAR: 2012

1" = 500'





INQUIRY #: 6052641.8

YEAR: 2009

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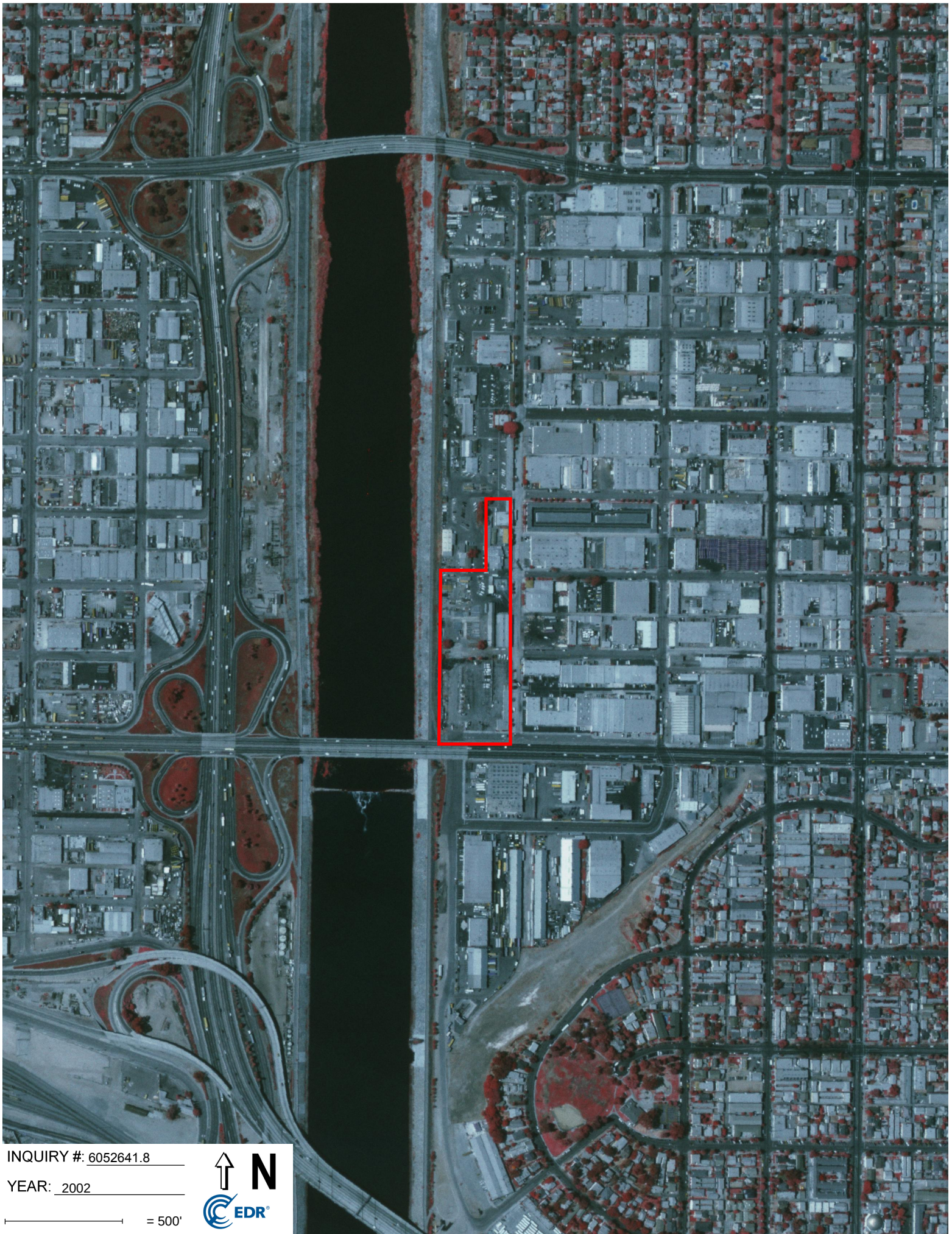


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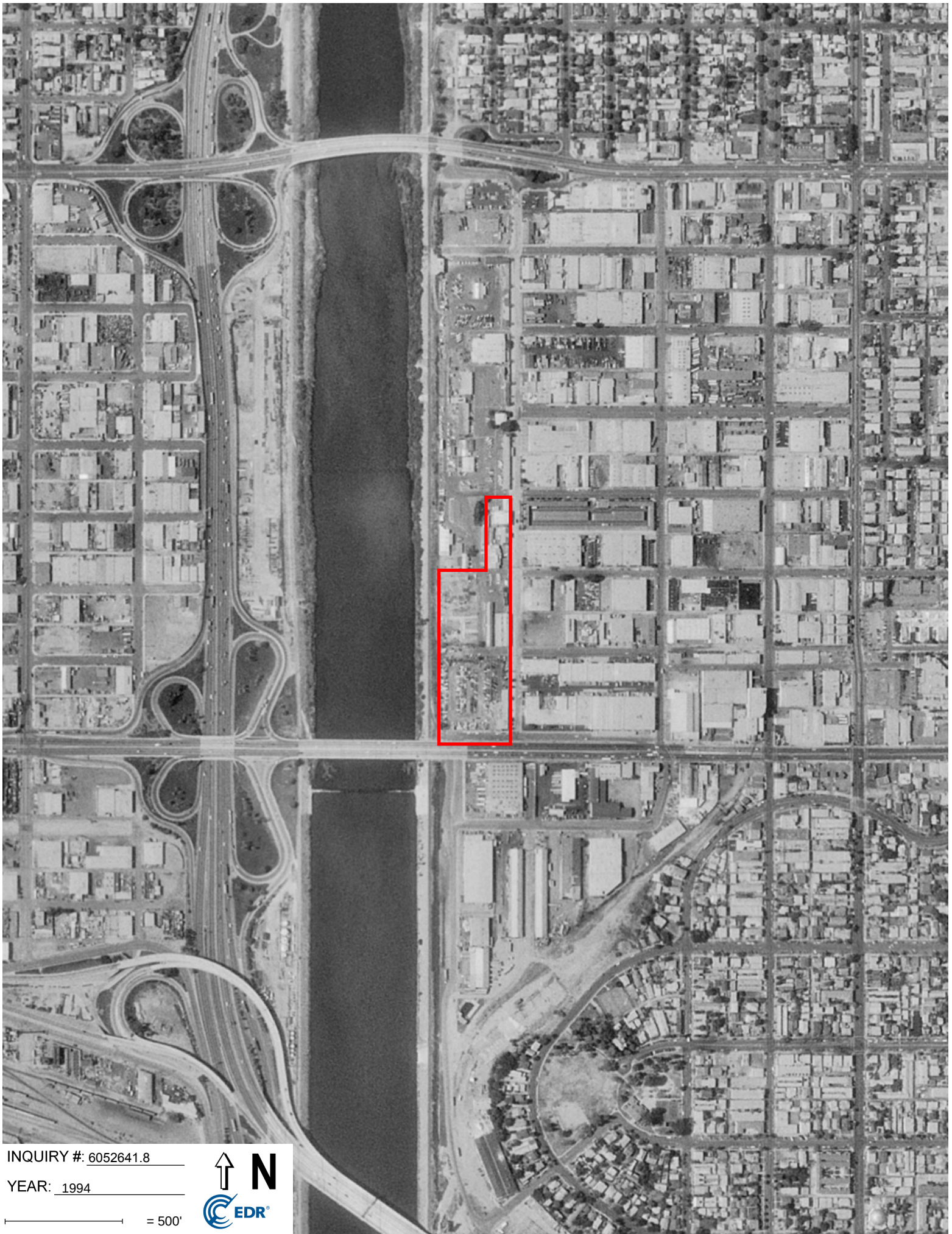


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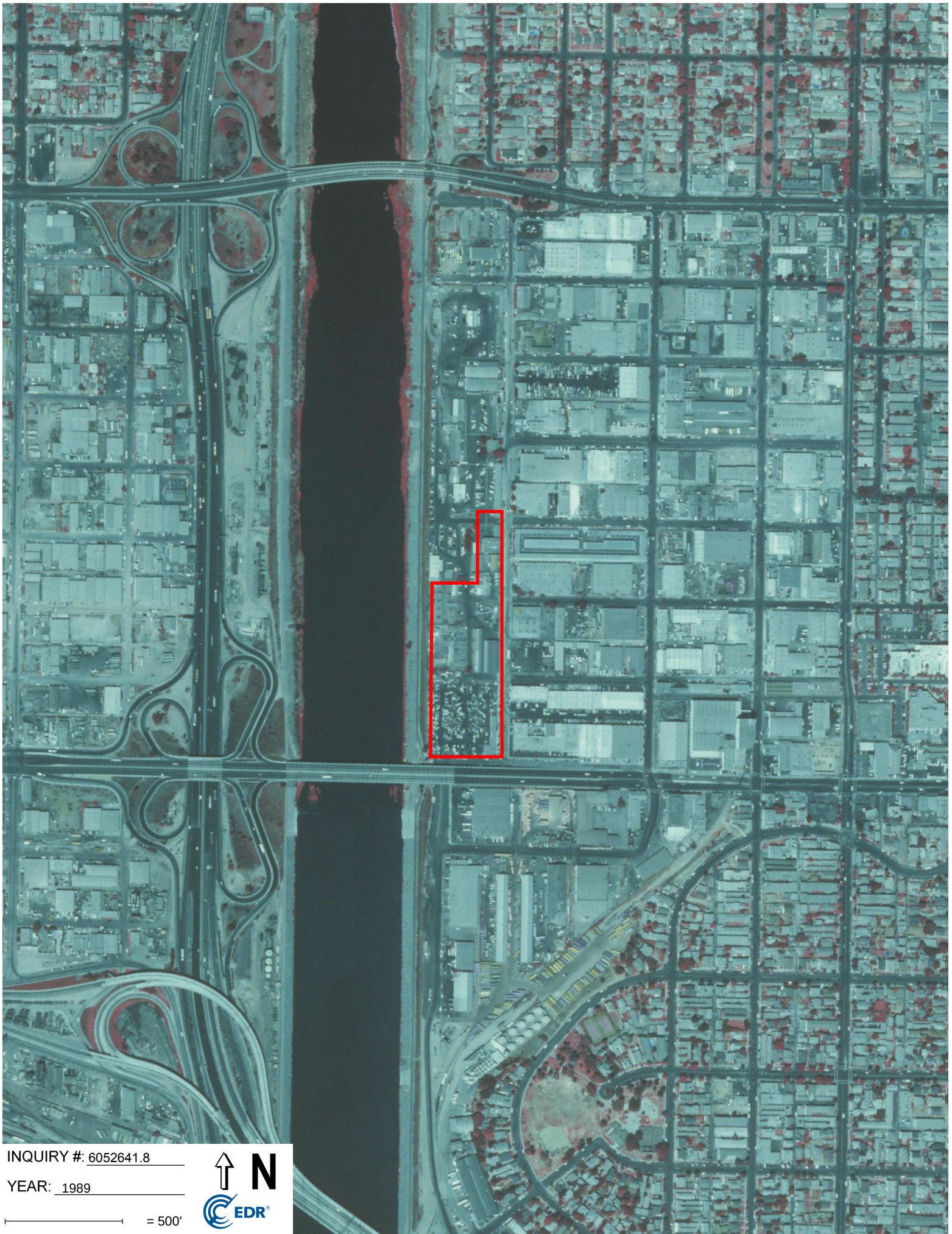


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INQUIRY #: 6052641.8

YEAR: 1989

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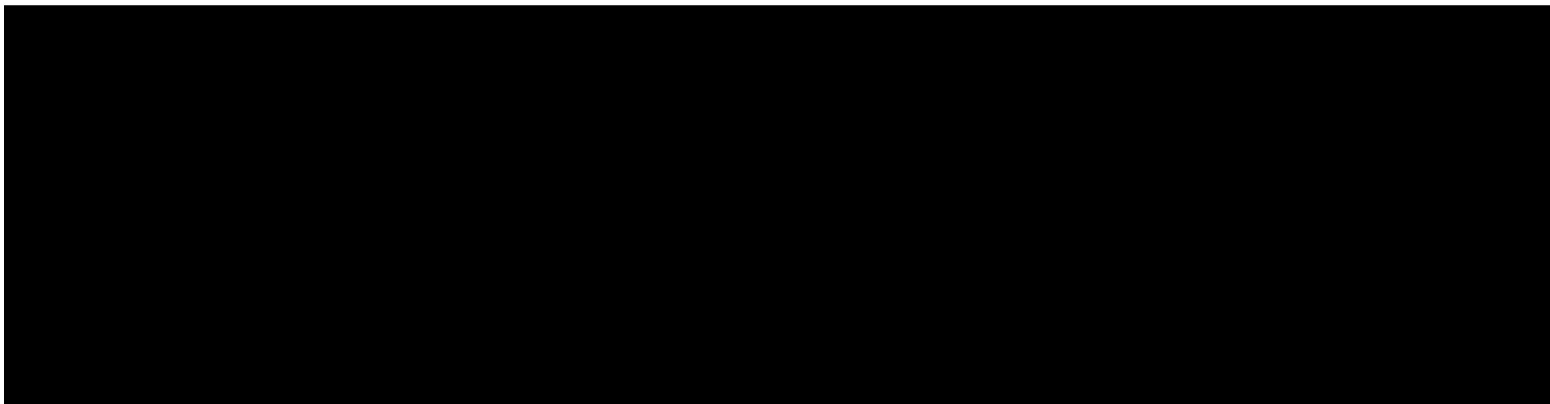
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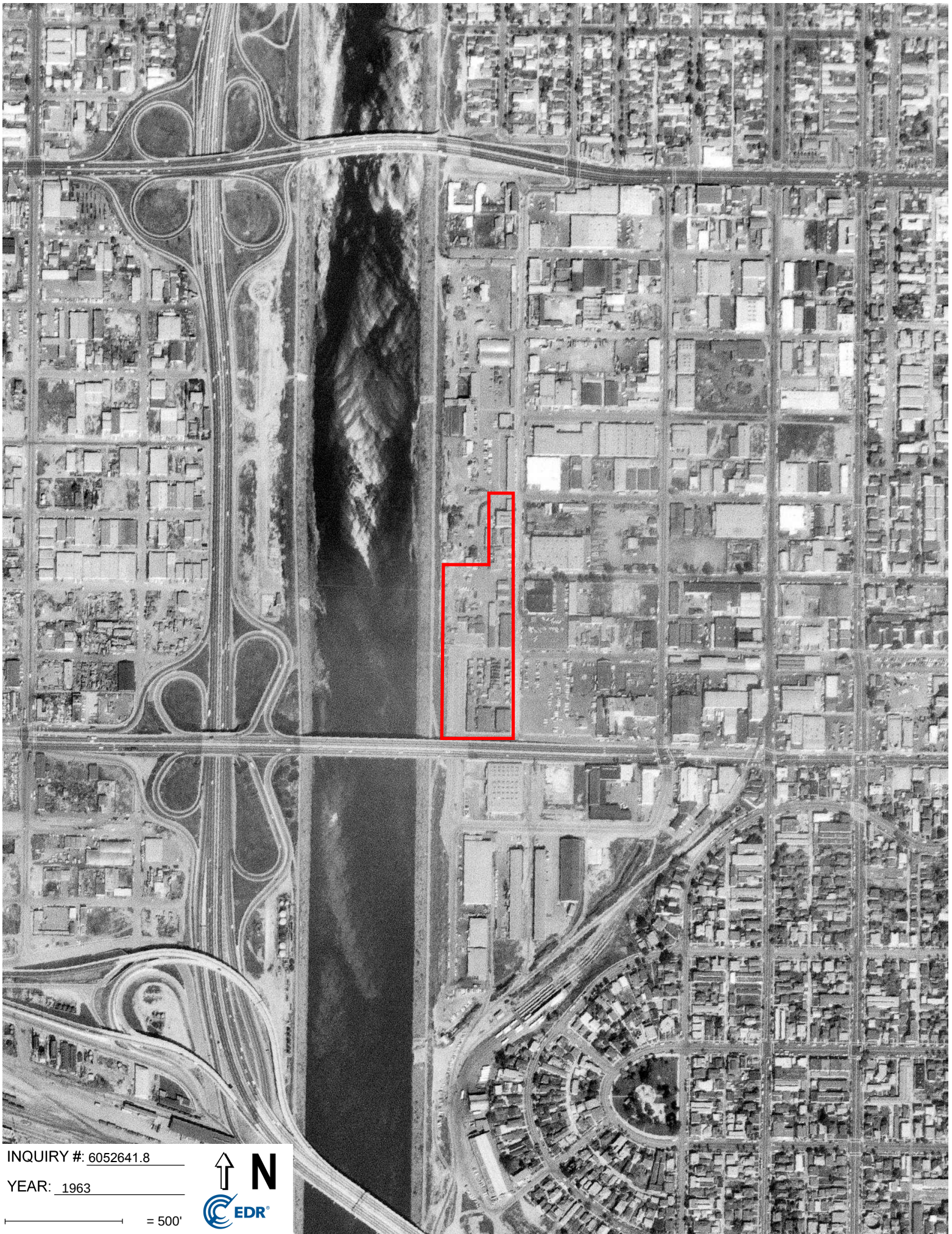
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1" = 500'



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YEAR: 1963

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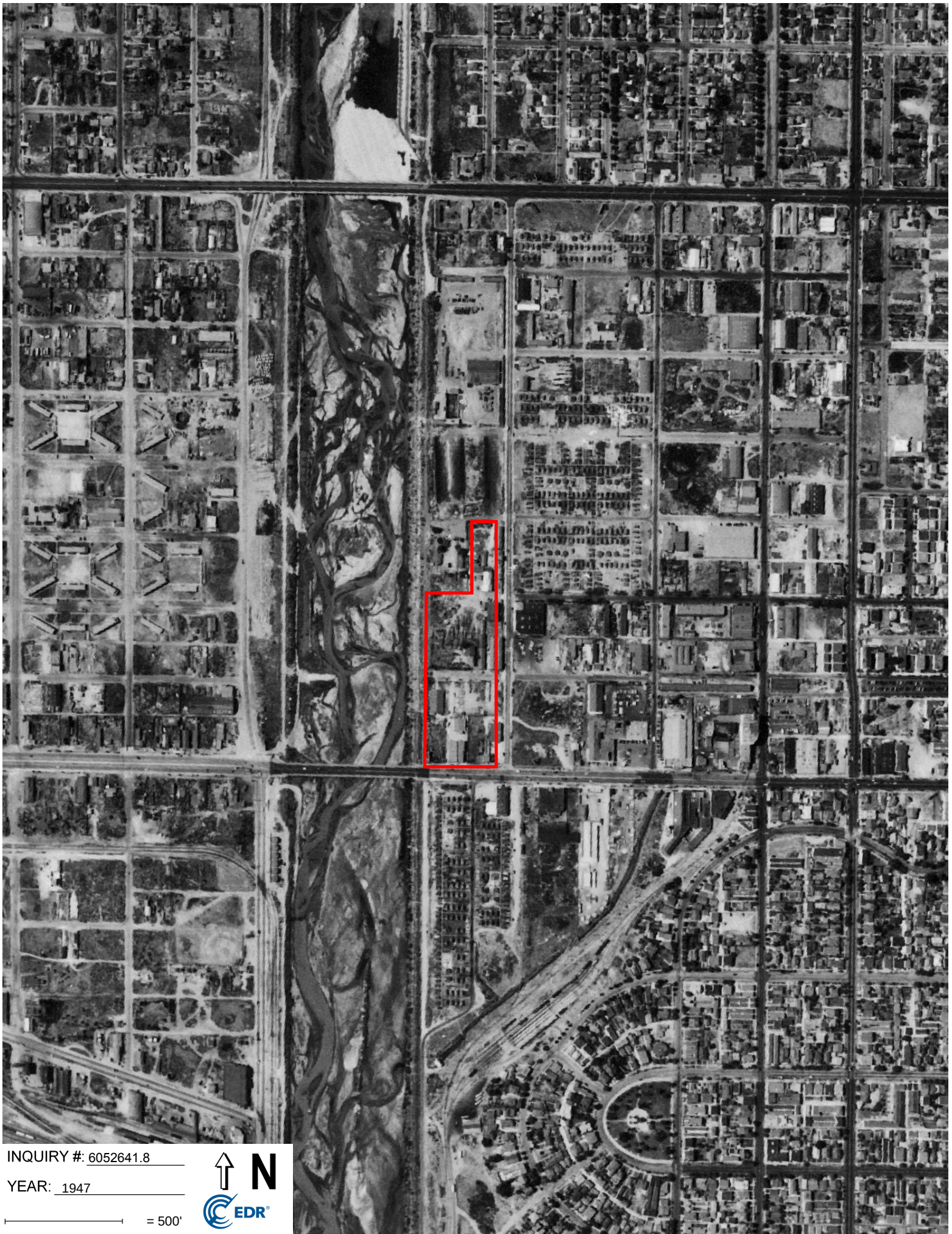


INQUIRY #: 6052641.8

YEAR: 1953

— = 500'





INQUIRY #: 6052641.8

YEAR: 1947

— = 500'





INQUIRY #: 6052641.8

YEAR: 1928

— = 500'





INQUIRY #: 6052641.8

YEAR: 1923

— = 500'



		FILE NO.
ST. NO.	929 W. Anaheim	DATE
LOT NO.	39-40-41-42	10-8-35
BLOCK	8	PERMIT NO.
TRACT	The Delta Tr.	45-F
OWNER A.E. Fickling		
ADDRESS 237 E. Anaheim		
CONTRACTOR "		
ADDRESS		
USE OF BUILDING Lumber storage shed		
TYPE OF CONSTRUCTION V		
DESCRIPTION OF BUILDING		
WIDTH	80	LENGTH 96 HEIGHT 27
STORIES	1	ROOMS FAMILIES
TOTAL COST	4000.	FEE 8.00

INSPECTION RECORD
(This side of card is for final inspection only—see back for detailed inspection reports)

DATE	INSPECTOR	FINAL INSPECTIONS
11-1-35	Reacock	EXCAV. INSP.
12-17-35	R. G. ...	FRAMING INSP. (Main)
		PLASTERING INSP.
		ROOFING INSP.
2-11-36	R. G. ...	BUILDING COMPLETION
6-1-36	W. ...	PLUMBING INSP.
11-8-35	G. M. ...	ELECTRICAL INSP.

TEMP. C. OF O. NO.	Date
FINAL C. OF O. NO. 5338	Date 12-14-37

		FILE NO.
ST. NO. 929 W. Anaheim St.		DATE
LOT NO. 39-40-41-42		10-26-35
BLOCK 8	PERMIT NO.	
TRACT	526-F	
OWNER A. V. Pickling		
ADDRESS		
CONTRACTOR "		
ADDRESS		
USE OF BUILDING Lumber Shed		
TYPE OF CONSTRUCTION V		
DESCRIPTION OF BUILDING		
WIDTH 40	LENGTH 52	HEIGHT 15
STORIES 2	ROOMS	FAMILIES
TOTAL COST 1000.	FEE 2.00	
INSPECTION RECORD		
(This side of card is for final inspection only—see back for detailed inspection reports)		
DATE	INSPECTOR	FINAL INSPECTIONS
10-27-35	K. G. Gaud	EXCAV. INSP.
		FRAMING INSP.
		PLASTERING INSP.
		ROOFING INSP.
9-10-36	K. G. Gaud	BUILDING COMPLETION
		PLUMBING INSP.
		ELECTRICAL INSP.
TEMP. C. OF O. NO.	Date	
FINAL C. OF O. NO.	Date	

		FILE NO.
ST. NO.	929 W. Anaheim	DATE
LOT NO.	39-40-41-42	10-19-38
BLOCK	8	PERMIT NO.
TRACT	The Delta	G-7282
OWNER A. E. Fickling Lumber Co.		
ADDRESS 929 W. Anaheim		
CONTRACTOR "		
ADDRESS		
USE OF BUILDING Addition to covered driveways		
TYPE OF CONSTRUCTION		
DESCRIPTION OF BUILDING		
WIDTH	LENGTH	HEIGHT
STORIES	ROOMS	FAMILIES
TOTAL COST	\$1800	FEE \$4

INSPECTION RECORD
(This side of card is for final inspection only—see back for detailed inspection reports)

DATE	INSPECTOR	FINAL INSPECTIONS
		EXCAV. INSP.
		FRAMING INSP.
		PLASTERING INSP.
		ROOFING INSP.
4-21-39	K. G. ...	BUILDING COMPLETION
		PLUMBING INSP.
		ELECTRICAL INSP.

TEMP. C. OF O. NO.

Date

FINAL C. OF O. NO.

Date

Moving Permit
issued 8/21/51

CITY OF **2** LONG BEACH
DEPARTMENT OF BUILDING AND SAFETY
SUPERINTENDENT OF BUILDING

Cashier's Number
Fee \$ <u>6.00</u>
Permit Number <u>112337</u>
Date Received
Date Issued <u>8-1-51</u>

Application to Alter, Repair or Demolish

To the Department of Building and Safety of the City of Long Beach
Application is hereby made to the Department of Building and Safety of the City of Long Beach for the purpose hereinafter set forth. This application is made subject to the following conditions which are hereby agreed to by the undersigned applicant and which shall be deemed conditions entering into the exercise of the permit:
First: That the permit does not grant any right or privilege to erect any building or other structure therein described, or any portion thereof, upon any street, alley, or other public place or portion thereof.
Second: That the permit does not grant any right or privilege to use any building or other structure therein described, or any portion thereof, for any purpose that is, or may hereafter be prohibited by ordinance of the City of Long Beach.
Third: That the granting of the permit does not affect or prejudice any claim of title, or right of possession in, the property described in such permit.

(Use Ink or Indelible Pencil)
DESCRIPTION OF PROPERTY

Lot No. 1 to 8 incl & 41 to 48 incl
Block 8 Tract The Delta Tract
Owner's Name Fickling Lumber Co Owner's Address 889 W. Anaheim
Contractor's Firm Name Stump State License No. _____
Contractor's Address Stump City License No. _____
Proposed Use of Building Foundation for Lumber Sheds
or Structure Foundation for Lumber Sheds No. of Families _____ No. of Rooms _____
Type of Construction of Existing Building _____

LOCATION OF JOB

No. 929 W Anaheim Street

VALUATION OF PROPOSED WORK { "Value" of a Building Shall Be the Estimated Cost to Replace the Building in Kind. } \$1500.00

Engineer } State Certificate No. _____
Architect }

Present Use of Building Lumber Storage

Number of stories in height one Size of present building _____

State number of buildings on lot _____ How used _____

State on following lines exactly what alterations, additions, etc., will be made to this building:

Remove New foundations for Lumber Sheds to
Rebuild them

Size of new addition _____ No. of Stories in height _____ Kind of Roof _____

Material of foundation _____ Width of footings _____ Depth below ground _____

Size of Redwood Mudsills _____ Size of interior bearing studs _____

Size of exterior studs _____ Size of interior non-bearing studs _____

Size of first floor joists _____ Second floor joists _____

I have carefully examined and read the above application and know the same is true and correct, and that, in doing this work, all provisions of Long Beach Ordinances and State Laws will be complied with, whether herein specified or not. Also, in accordance with the Building Code, I hereby apply for a Certificate of Occupancy to be issued after all final inspections have been called for and have been made by the Department of Building and Safety.

All applications must be filled out by the Applicant.
PLANS AND SPECIFICATIONS and other data must also be filed.
(Sign Here) R.R. Roberts
(Owner or Authorized Agent)
(NOTE—Turn over and fill out blank on other side.)

FOR DEPARTMENTAL USE ONLY

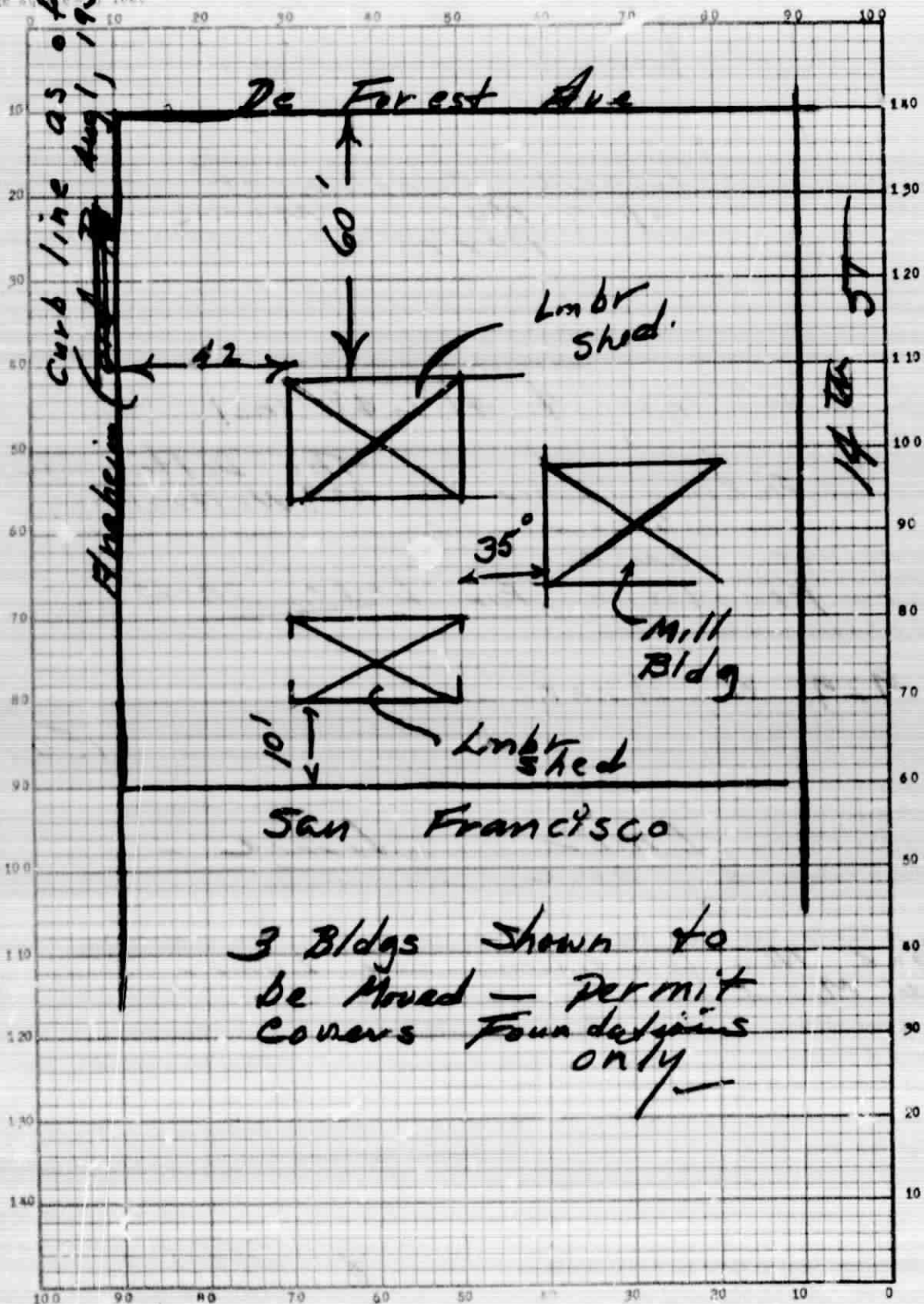
ZONE	F. D. No.	GROUP	SET-BACKS	CHECKED BY	ISSUED BY
<u>Mb</u>	<u>4</u>	<u>E</u>	<u>None</u>	<u>R.R.</u>	<u>REC</u>

Final : 10-22-51

Draw lot plot and note adjoining streets or alleys.

Scale: 1" = 2 feet.

Large scale 1" = 10 feet



Use of Building Lmbr Storage

Height of Building

Area of Building

Area of Lot

Area of Occupied Space

Applicant

NOTICE

Separate permits required for the following work: Plastering, Roofing, Tile, Masonry, Plumbing, Electrical, Fences and Signs. An owner, on his own single family dwelling, doing the work with his own hands, may take out a sub permit for Plastering, Roofing, Tile, Masonry and Fences only. All other type permits are required to be taken out by Long Beach licensed contractors.

DEPARTMENT OF BUILDING & SAFETY CITY OF LONG BEACH, CALIF.

PLAN CHECK NO.

Cashier's Number	12371
Checking Fee	\$ 1.00
Permit Fee	\$ 2.00
Permit Number	113190
Date Received	10-1-51
Date Issued	10-2-51

Types of Construction

- Type 1—Fire Resistive
- Type 2—Heavy Timber
- Type 3—Ordinary Masonry
- Type 4—Metal Frame
- Type 5—Wood Frame

Application for Building Permit

FOR TYPE NO. 5 BUILDING

CHECK ONE

- New Bldg. or Structure ☐ Alteration ☒
Addition ☐ Repair ☐
Demolition ☐

To the Department of Building and Safety of the City of Long Beach:

Application is hereby made to the Department of Building and Safety of the City of Long Beach, through the office of the Superintendent of Building, for a building permit in accordance with the description and for the purpose hereinafter set forth. This application is made subject to the following conditions which are hereby agreed to by the undersigned applicant and which shall be deemed conditions entering into the exercise of the permit.

First: That the permit does not grant any right or privilege to erect any building or other structure therein described, or any portion thereof, upon any street, alley, or other public place or portion thereof.

Second: That the permit does not grant any right or privilege to use any building or other structure therein described, or any portion thereof, for any purpose that is, or may hereafter be prohibited by ordinance of the City of Long Beach.

Third: That the granting of the permit does not affect or prejudice any claim of title to, or right of possession in, the property described in such permit.

(Use Ink or Indelible Pencil)
DESCRIPTION OF PROPERTY

Lot No. 1 to 8
41 to 49

Block 8 Tract Setta
Owner's Name Fickling, L. L. Owner's Mailing Address 929 W. Anaheim

Contractor's Firm Name Above

Contractor's Address _____ City License No. _____

Present or Proposed Use of Building
or Structure Lumber Storage No. of Families _____ No. of Rooms _____

No. X 929 W Anaheim Street

VALUATION OF PROPOSED WORK

Architect _____ State Certificate No. _____
Engineer _____

State on following lines exactly what alterations, additions, etc., will be made to this building:

Closing in part of East wall 2 stories and adding
rooms to upper inside walls

Any other buildings on lot? yes How used garage Minimum distance from proposed new building _____

Size of proposed building or addition _____ feet, Area _____
Width _____ Length _____ Area of First Floor _____

Height to highest point _____ feet. Number of stories in height _____

Material of exterior walls _____ Material of roof _____

I have carefully examined and read the above application and know the same is true and correct, and that, in doing this work, all provisions of Long Beach Ordinances and State Laws will be complied with, whether herein specified or not. Also in accordance with the Building Code, I hereby apply for a Certificate of Occupancy to be issued after all final inspections have been called for by me and have been made by the Department of Building and Safety.

All applications must be filled out by the Applicant.

PLANS AND SPECIFICATIONS
and other data must also be filed.

(Sign here)

(Owner or Authorized Agent)

(NOTE—Turn over and fill out back on other side.)

FOR DEPARTMENTAL USE ONLY

ZONE	F. D. No.	GROUP	SET-BACKS	TAKEN BY	CHECKED BY	ISSUED BY
M-1A	4	G	—	gals.	gals.	ECJ.

Final: 11-14-51

NOTICE

Separate permits required for the following work: Plastering, Roofing, Tile, Masonry, Plumbing, Electrical, Fences and Signs. An owner, on his own single family dwelling, doing the work with his own hands, may take out a sub permit for Plastering, Roofing, Tile, Masonry and Fences only. All other type permits are required to be taken out by Long Beach licensed contractors.

DEPARTMENT OF BUILDING & SAFETY CITY OF LONG BEACH, CALIF.

PLAN CHECK NO.

Cashier's Number
Checking Fee
\$
Permit Fee
\$ 20
Permit Number
113285
Date Received
Date Issued
10-9-51

Types of Construction

- Type 1—Fire Resistive
- Type 2—Heavy Timber
- Type 3—Ordinary Masonry
- Type 4—Metal Frame
- Type 5—Wood Frame

Application for Building Permit

FOR TYPE NO. BUILDING

CHECK ONE

- New Bldg. or Structure ☐ Alteration ☐
Addition ☒ Repair ☐
Demolition ☐

To the Department of Building and Safety of the City of Long Beach:

Application is hereby made to the Department of Building and Safety of the City of Long Beach, through the office of the Superintendent of Building, for a building permit in accordance with the description and for the purpose hereinafter set forth. This application is made subject to the following conditions which are hereby agreed to by the undersigned applicant and which shall be deemed conditions entering into the exercise of the permit:

First: That the permit does not grant any right or privilege to erect any building or other structure therein described, or any portion thereof, upon any street, alley, or other public place or portion thereof.

Second: That the permit does not grant any right or privilege to use any building or other structure therein described, or any portion thereof, for any purpose that is, or may hereafter be prohibited by ordinance of the City of Long Beach.

Third: That the granting of the permit does not affect or prejudice any claim of title to, or right of possession in, the property described in such permit.

(Use Ink or Indelible Pencil)
DESCRIPTION OF PROPERTY

Lot No. 14-42

Block 8 Tract 11-11-11

Owner's Name A. E. Hickling & Co. Owner's Mailing Address 929 W. Anaheim

Contractor's Firm Name A. E. Hickling & Co.

Contractor's Address City License No.

Present or Proposed Use of Building

or Structure Residential Use No. of Families No. of Rooms

LOCATION OF JOB

No. 929 W. Anaheim Street

VALUATION OF PROPOSED WORK

Architect

Engineer State Certificate No.

State on following lines exactly what alterations, additions, etc., will be made to this building:

Add residential to small building

Any other buildings on lot? No How used Lumber Minimum distance from proposed new building Advancing

Size of proposed building or addition 16 x 20 feet, Area 16 x 20 Area of First Floor

Height to highest point 18 feet. Number of stories in height 2

Material of exterior walls Wood Material of roof Asph/Flt Shingles

I have carefully examined and read the above application and know the same is true and correct, and that, in doing this work, all provisions of Long Beach Ordinances and State Laws will be complied with, whether herein specified or not. Also in accordance with the Building Code, I hereby apply for a Certificate of Occupancy to be issued after all final inspections have been called for by me and have been made by the Department of Building and Safety.

All applications must be filled out by the Applicant.

PLANS AND SPECIFICATIONS
and other data must also be filed.

(Sign here) A. E. Hickling & Co.

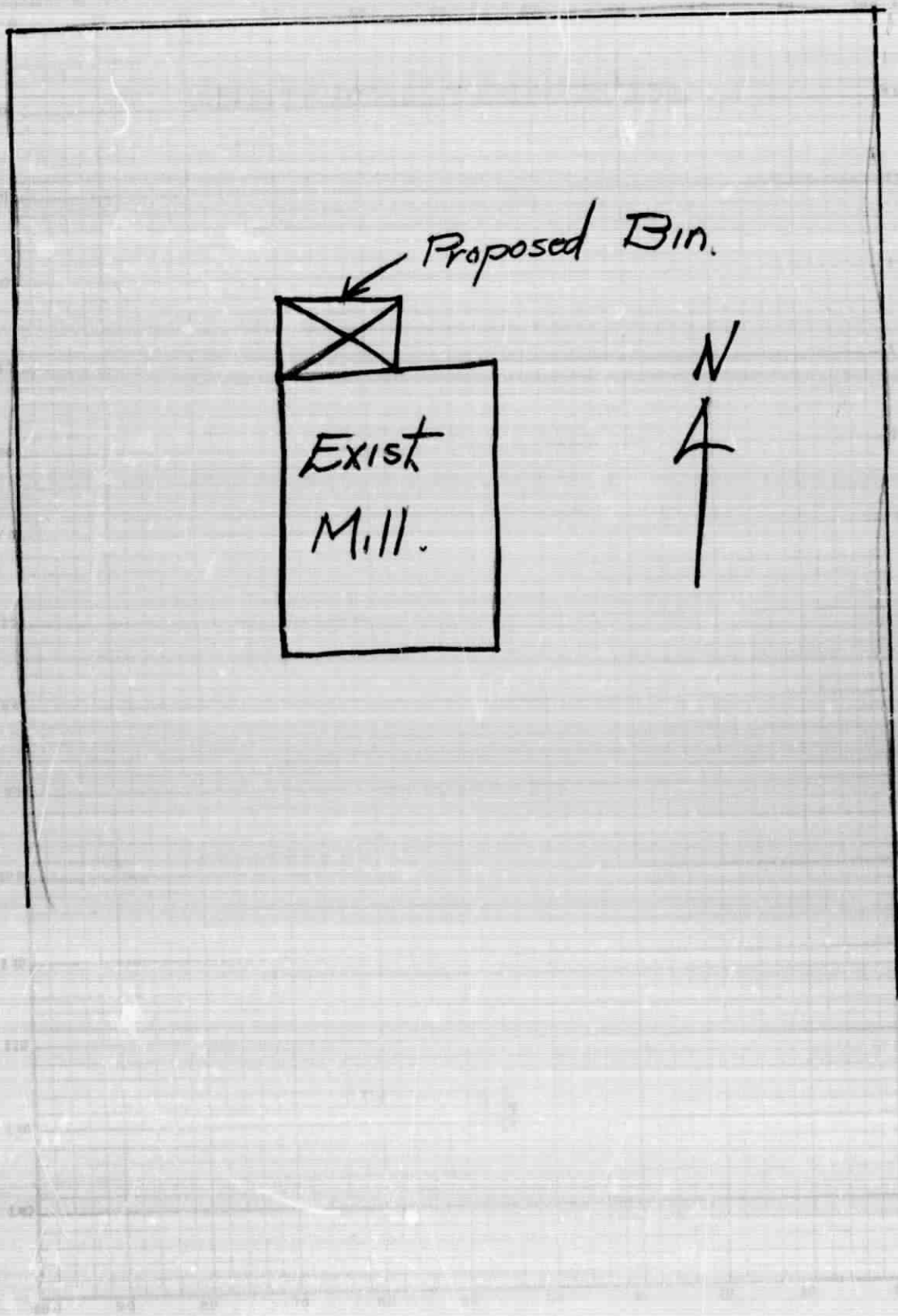
(Owner or Authorized Agent)

(NOTE—Turn over and fill out blank on other side.)

FOR DEPARTMENTAL USE ONLY

ZONE	F. D. No.	GROUP	SET-BACKS	TAKEN BY	CHECKED BY	ISSUED BY
M-2	4	E				C.B.

Final : 11-14-51



Scale of drawing
Project of Portland
Name of Building
Date of plan
Name of architect

J. E. [illegible]

NOTICE

Separate permits required for the following work: Plastering, Roofing, Tile, Masonry, Plumbing, Electrical, Fences and Signs.
An owner, on his own single family dwelling, doing the work with his own hands, may take out a sub permit for Plastering, Roofing, Tile, Masonry and Fences only. All other type permits are required to be taken out by Long Beach licensed contractors.

DEPARTMENT OF BUILDING & SAFETY CITY OF LONG BEACH, CALIF.

PLAN CHECK NO. 2760

Cashier's Number	PAID 10-22-57
Checking Fee	\$ 7.50
Permit Fee	\$ 15.00
Permit Number	N 3469
Date Received	10-22-57
Date Issued	10-22-57

Types of Construction

- Type 1—Fire Resistive
- Type 2—Heavy Timber
- Type 3—Ordinary Masonry
- Type 4—Metal Frame
- Type 5—Wood Frame

Application for Building Permit

FOR TYPE NO. 1 BUILDING

CHECK ONE { New Bldg. or Structure ☒ Alteration ☐
Addition ☐ Repair ☐
Demolition ☐

To the Department of Building and Safety of the City of Long Beach:

Application is hereby made to the Department of Building and Safety of the City of Long Beach, through the office of the Superintendent of Building, for a building permit in accordance with the description and for the purpose hereinafter set forth. This application is made subject to the following conditions which are hereby agreed to by the undersigned applicant and which shall be deemed conditions entering into the exercise of the permit:

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Second: That the permit does not grant any right or privilege to use any building or other structure therein described, or any portion thereof, for any purpose that is, or may hereafter be prohibited by ordinance of the City of Long Beach.

Third: That the granting of the permit does not affect or prejudice any claim of title to, or right of possession in, the property described in such permit.

(Use Ink or Indelible Pencil)

DESCRIPTION OF PROPERTY

Lot No. 410 42 Block 8 Town Seabright
and Lots 6, 7 & 8 Wells Tract
Erect South 42 feet thereof

Block _____ Tract _____

Owner's Name A E Eckling Inc Owner's Mailing Address 929 N Anaheim

Contractor's Firm Name _____

Contractor's Address _____

City License No. _____

Present or Proposed Use of Building

or Structure Trunk Storage No. of Families _____ No. of Rooms _____

LOCATION OF JOB

No. 929 Street Anaheim Street 80

VALUATION OF PROPOSED WORK

Architect Anderson W. Marshall State Certificate No. C-681
Engineer _____

"Value" of a Building Shall Be the Estimated Cost to Replace the Building in Kind. \$ 4800

State on following lines exactly what alterations, additions, etc., will be made to this building:

Any other buildings on lot? yes How used Trunk Minimum distance from proposed new building 3' 6"

Size of proposed building or addition 20 x 160 feet, Area 3200
Width Length Area of First Floor

Height to highest point 20 feet. Number of stories in height One

Material of exterior walls Wood Material of roof Fire resistant

I have carefully examined and read the above application and know the same is true and correct, and that, in doing this work, all provisions of Long Beach Ordinances and State Laws will be complied with, whether herein specified or not. Also in accordance with the Building Code, I hereby apply for a Certificate of Occupancy to be issued after all final inspections have been called for by me and have been made by the Department of Building and Safety.

All applications must be filled out by the Applicant.

PLANS AND SPECIFICATIONS
and other data must also be filed.

(Sign here)

A E Eckling
(Owner or Authorized Agent)

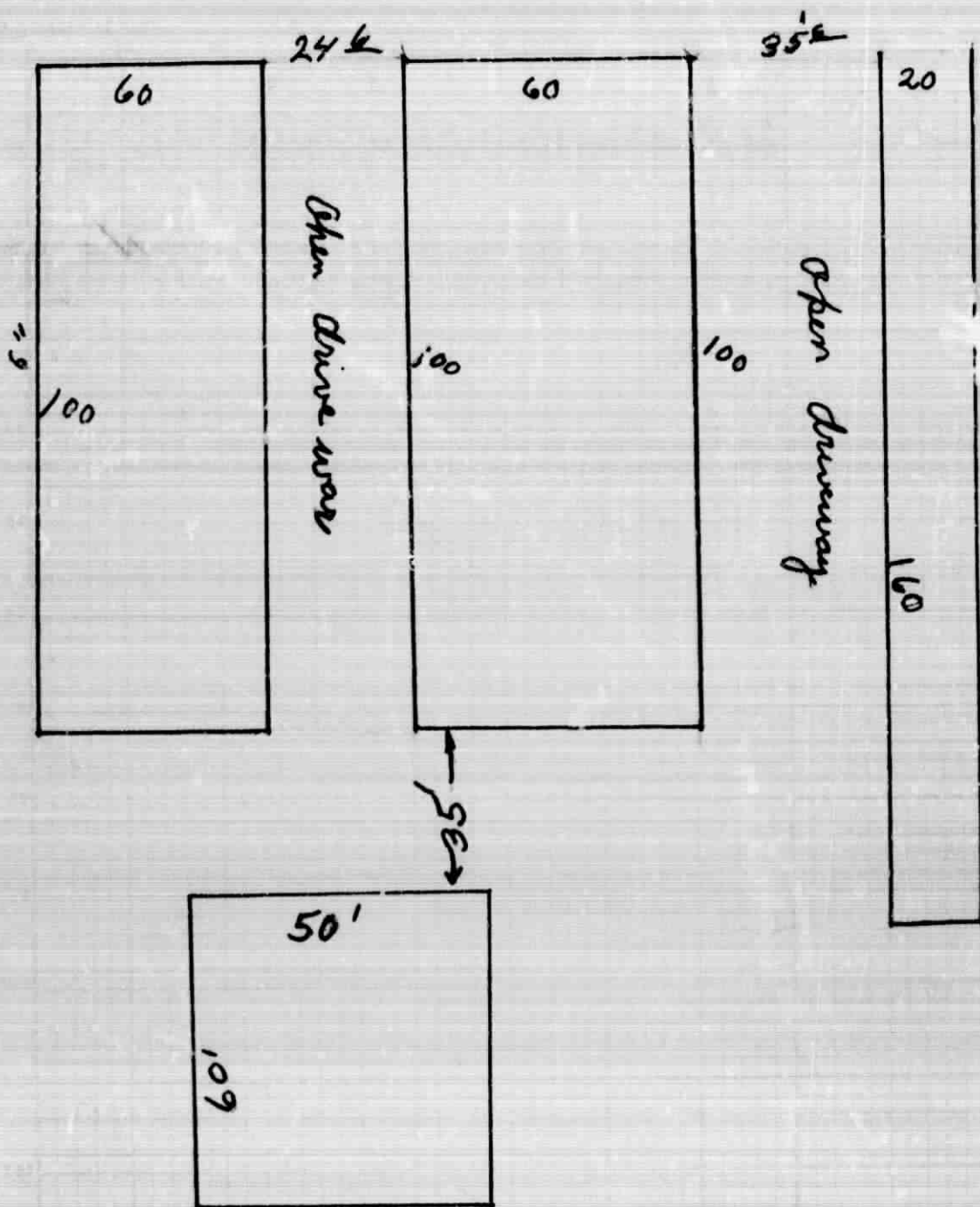
(NOTE—Turn over and fill out blank on other side.)

FOR DEPARTMENTAL USE ONLY

ZONE	F. D. No.	GROUP	SET-BACKS	TAKEN BY	CHECKED BY	ISSUED BY
<u>M7A</u>	<u>4</u>	<u>F</u>		<u>003</u>	<u>RE</u>	<u>R-2</u>

Copy: 1-3-52

L



Lbr. Yard
 20
 3200
 63600
 18,200 $\frac{1}{4}$

CITY OF

2

LONG BEACH

DEPARTMENT OF BUILDING AND SAFETY
SUPERINTENDENT OF BUILDING

Application to Alter, Repair or Demolish

Cashier's Number 6-1246
Fee \$ 12.00
Permit Number 74966
Date Received 2-6-52
Date Issued 2-15-52

To the Department of Building and Safety of the City of Long Beach:

Application is hereby made to the Department of Building and Safety of the City of Long Beach, through the office of the Superintendent of Building for a building permit in accordance with the description and for the purpose hereinafter set forth. This application is made subject to the following conditions which are hereby agreed to by the undersigned applicant and which shall be deemed conditions entering into the exercise of the permit:

First: That the permit does not grant any right or privilege to erect any building or other structure therein described, or any portion thereof, upon any street, alley, or other public place or portion thereof.

Second: That the permit does not grant any right or privilege to use any building or other structure therein described, or any portion thereof, for any purpose that is, or may hereafter be prohibited by ordinance of the City of Long Beach.

Third: That the granting of the permit does not affect or prejudice any claim of title to, or right of possession in, the property described in such permit.

(Use Ink or Indelible Pencil)
DESCRIPTION OF PROPERTY

Lot No. 45-46
Block 8 Tract Town of Leabright
Owner's Name Fuehling Lumber Co Owner's Address 929 W. Anaheim
Contractor's Firm Name Self State License No. _____
Contractor's Address _____ City License No. _____
Proposed Use of Building or Structure mill Bldg No. of Families _____ No. of Rooms _____
Type of Construction of Existing Building _____

LOCATION OF JOB

No. 929 W. Anaheim Street _____

VALUATION OF PROPOSED WORK

{ "Value" of a Building Shall Be the
Estimated Cost to Replace the
Building in Kind. } \$ 4,000.00

Engineer } Raymond A. Sites State Certificate No. C 28
Architect }

Present Use of Building mill Bldg

Number of stories in height 1 Size of present building 4.0 x 5.2

State number of buildings on lot _____ How used 1 warehouse

State on following lines exactly what alterations, additions, etc., will be made to this building:

Two new wings added which necessitate changing roof
and strengthening Bldg

Size of new addition _____ No. of Stories in height _____ Kind of Roof Concr

Material of foundation _____ Width of footings _____ Depth below ground _____

Size of Redwood Mudsills _____ Size of interior bearing studs _____

Size of exterior studs _____ Size of interior non-bearing studs _____

Size of first floor joists _____ Second floor joists _____

I have carefully examined and read the above application and know the same is true and correct and that in doing this work all provisions of Long Beach Ordinances and State Laws will be complied with, whether herein specified or not. Also, in accordance with the Building Code I hereby apply for a Certificate of Occupancy to be issued after all final inspections have been called for by me and have been made by the Department of Building and Safety.

All applications must be filled out by the Applicant.
PLANS AND SPECIFICATIONS
and other data must also be filed.

(Sign Here)

Raymond A. Sites
(Owner or Authorized Agent)

(NOTE—Turn over and fill out blank on other side.)

FOR DEPARTMENTAL USE ONLY

ZONE	F. D. No.	GROUP	SET-BACKS	CHECKED BY	ISSUED BY
<u>M-2</u>	<u>✓</u>	<u>E</u>		<u>[Signature]</u>	<u>C.B.</u>

Coba

8-4-52 N-4966

L

NOTICE

Separate permits required for the following work: Plastering, Roofing, Tile, Masonry, Plumbing, Electrical, Fences and Signs.
An owner, on his own single family dwelling, doing the work with his own hands, may take out a sub permit for Plastering, Roofing, Tile, Masonry and Fences only. All other type permits are required to be taken out by Long Beach licensed contractors.

DEPARTMENT OF BUILDING & SAFETY CITY OF LONG BEACH, CALIF.

PLAN CHECK NO. 3504

Types of Construction

- Type 1—Fire Resistive
Type 2—Heavy Timber
Type 3—Ordinary Masonry
Type 4—Metal Frame
Type 5—Wood Frame

Application for Building Permit

FOR TYPE NO. V BUILDING

CHECK ONE { New Bldg. or Structure ☐ Alteration ☐
Addition ☒ Repair ☐
Demolition ☐

Cashier's Number	<u>B 6768</u>
Checking Fee	\$ <u>1.00</u>
Permit Fee	\$ <u>2.00</u>
Permit Number	<u>04114</u>
Date Received	<u>8-31-53</u>
Date Issued	<u>9-2-53</u>

To the Department of Building and Safety of the City of Long Beach:

Application is hereby made to the Department of Building and Safety of the City of Long Beach, through the office of the Superintendent of Building, for a building permit in accordance with the description and for the purpose hereinafter set forth. This application is made subject to the following conditions which are hereby agreed to by the undersigned applicant and which shall be deemed conditions entering into the exercise of the permit:

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Second: That the permit does not grant any right or privilege to use any building or other structure therein described, or any portion thereof, for any purpose that is, or may hereafter be prohibited by ordinance of the City of Long Beach.

Third: That the granting of the permit does not affect or prejudice any claim of title to, or right of possession in, the property described in such permit.

(Use Ink or Indelible Pencil) DESCRIPTION OF PROPERTY

Lot No. _____

Block _____ Tract _____

Owner's Name A. FICKLING Owner's Mailing Address 929 W ANAHEIM

Contractor's Firm Name OWNER

Contractor's Address _____ City License No. _____

Present or Proposed Use of Building _____

or Structure LUMBER STORAGE No. of Families _____ No. of Rooms _____

LOCATION OF JOB

No. 929 W ANAHEIM Street _____

VALUATION OF PROPOSED WORK

"Value" of a Building Shall Be the Estimated Cost to Replace the Building in Kind. \$ 200.00

Architect } Charley C. Curtis State Certificate No. 7721
Engineer }

State on following lines exactly what alterations, additions, etc., will be made to this building:

ADD 40 PARADE TO BLDG

Any other buildings on lot? YES How used LUMBER Minimum distance from proposed new building _____

Size of proposed building or addition _____ feet, Area _____
Width _____ Length _____ Area of First Floor _____

Height to highest point _____ feet. Number of stories in height _____

Material of exterior walls WOOD Material of roof _____

I have carefully examined and read the above application and know the same is true and correct, and that, in doing this work, all provisions of Long Beach Ordinances and State Laws will be complied with, whether herein specified or not. Also in accordance with the Building Code, I hereby apply for a Certificate of Occupancy to be issued after all final inspections have been called for by me and have been made by the Department of Building and Safety.

All applications must be filled out by the Applicant.

(Sign here) A. FICKLING

PLANS AND SPECIFICATIONS and other data must also be filed.

(Owner or Authorized Agent)

(NOTE—Turn over and fill out blank on other side.)

FOR DEPARTMENTAL USE ONLY

ZONE	F. D. No.	GROUP	SET BACKS	TAKEN BY	CHECKED BY	ISSUED BY
<u>M2A</u>	<u>—</u>	<u>E</u>	<u>none</u>	<u>tol</u>	<u>[Signature]</u>	<u>tol</u>

Final: 12-9-53

NOTICE

Separate permits required for the following work: Plastering, Roofing, Tile, Masonry, Plumbing, Electrical, Fences and Signs. An owner, on his own single family dwelling, doing the work with his own hands, may take out a sub permit for Plastering, Roofing, Tile, Masonry and Fences only. All other type permits are required to be taken out by Long Beach licensed contractors.

DEPARTMENT OF BUILDING & SAFETY
CITY OF LONG BEACH, CALIF.

PLAN CHECK NO.

Cashier's Number
Checking Fee
\$
Permit Fee
\$ 200
Permit Number
Q 3754
Date Received
Date Issued
8/22/56

Types of Construction

- Type 1—Fire Resistive
Type 2—Heavy Timber
Type 3—Ordinary Masonry
Type 4—Metal Frame
Type 5—Wood Frame

Application for Building Permit

FOR TYPE NO.....BUILDING

CHECK ONE { New Bldg. or Structure ☐ Alteration ☐
Addition ☐ Repair ☐
Demolition ☐

To the Department of Building and Safety of the City of Long Beach:

Application is hereby made to the Department of Building and Safety of the City of Long Beach, through the office of the Superintendent of Building, for a building permit in accordance with the description and for the purpose hereinafter set forth. This application is made subject to the following conditions which are hereby agreed to by the undersigned applicant and which shall be deemed conditions entering into the exercise of the permit:

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Third: That the granting of the permit does not affect or prejudice any claim of title to, or right of possession in, the property described in such permit.

(Use Ink or Indelible Pencil)
DESCRIPTION OF PROPERTY

Lot No. _____

Block _____ Tract _____
Owner's Name Fuckling Lbr Co Owner's Mailing Address 929-W Anaheim
Contractor's Firm Name Ray E. Wilson & Son
Contractor's Address 440 W - 3rd City License No. 731-81

Present or Proposed Use of Building _____
or Structure Timber Office No. of Families _____ No. of Rooms _____

No. 929-W-Anaheim LOCATION OF JOB _____ Street _____

VALUATION OF PROPOSED WORK

{ "Value" of a Building Shall Be the
Estimated Cost to Replace the
Building in Kind. } \$ 28000

Architect _____ State Certificate No. _____
Engineer _____

State on following lines exactly what alterations, additions, etc., will be made to this building:

Rumgar line & install panel ray heat in office &
in sea room

Any other buildings on lot? _____ How used _____ Minimum distance
from proposed new building _____

Size of proposed building or addition _____ Width _____ Length _____ feet, Area _____ Area of First Floor _____

Height to highest point _____ feet. Number of stories in height _____

Material of exterior walls _____ Material of roof _____

I have carefully examined and read the above application, and know the same is true and correct, and that, in doing this work, all provisions of Long Beach Ordinances and State Laws will be complied with, whether herein specified or not. Also in accordance with the Building Code, I hereby apply for a Certificate of Occupancy to be issued after all final inspections have been called for by me and have been made by the Department of Building and Safety.

All applications must be filled out by the Applicant.

PLANS AND SPECIFICATIONS
and other data must also be filed.

(Sign here)

Ray E. Wilson
(Owner or Authorized Agent)

(NOTE—Turn over and fill out blank on other side.)

FOR DEPARTMENTAL USE ONLY

ZONE	F. D. No.	GROUP	SET-BACKS	TAKEN BY	CHECKED BY	ISSUED BY
<u>1/10</u>						<u>Sub</u>

8-24-56

APPLICATION FOR BUILDING PERMIT
DEPARTMENT OF PLANNING AND BUILDING
 CITY OF LONG BEACH, CALIFORNIA 590-6651
 CALL 590-6106 TO REQUEST AN INSPECTION

APPLICANT FILL IN AREA BELOW

JOB ADDRESS
 929 W ANAHEIM

LOT NO. 47 + 48 BLOCK NO. 8 TRACT Town of Seabright

OWNER'S NAME CITY OF LONG BEACH AREA PHONE 432-8904

OWNER'S ADDRESS OCEAN BLVD, LONG BEACH

CONTRACTOR A-1 LAND CLEARING CO CITY LIC NO. 013508

CONTRACTOR'S ADDRESS 9112 HYDE PARK DR AREA PHONE 213 423-7211

ARCHITECT/ENGINEER STATE LIC. NO.

ARCHITECT/ENGINEER'S ADDRESS AREA PHONE

PRESENT BLDG. USE PROPOSED BLDG. USE

DESCRIPTION OF WORK
 DEMOLISH BUILDING

BLDG. HEIGHT FT. 18 NO. STORIES 1 NO. DWELLING UNITS TOTAL AREA SQ. FT.

MATERIAL EXTERIOR WALLS MATERIAL ROOF CCNDOMINIUM? YES ☐ NO ☐

VALUATION OF WORK COVERED BY THIS PERMIT \$ 2500.00 UNITS NO. 1 Bedroom or less 2 Bedrooms or more

SIGNATURE OF APPLICANT M. K. Ruppinger DATE 12/29/81

REMARKS OK LONG BEACH GAS DEPT. 12/29/81

APPLICATION FOR BUILDING PERMIT
DEPARTMENT OF PLANNING AND BUILDING

JOB ADDRESS 929 W. ANAHEIM ST.

JOB DESCRIPTION Demolish wood shed

CONTRACTOR A-1 Land Clearing AREA PHONE NO. 432-8904

PRESENT BLDG. USE Wood Shed PROPOSED BLDG. USE

ZONE ML WORKMEN'S COMP 6-5-82 DATE RECEIVED 12-23-81 TAKEN BY

FIRE DISTRICT VALUATION 2500.00 ENVIRONMENTAL PLANNING

OCCUPANCY TYPE CONSTRUCTION PLAN CHECK NUMBER CHECKING FEE RECEIPT

SET BACKS N. A. 5754 CENSUS TRACT ENERGY ISSUED BY RC

THIS FORM IS A PERMIT WHEN PROPERLY VALIDATED IN THIS SPACE

VALIDATION SPACE
 DEC 24 4 81 8130 *****30.71

CK 4472

CHECKING FEE

PERMIT FEE 30.50 TAX .21

REG. INSPECTION REQD. ☐ FIELD CHECK

PLAN CHECK REQD. ENG ☐ ENERGY ☐ PL. CHK. APPD.

TYPE CONST. AIR COND. ☐ OIL ☐

HEIGHT SPRINKLER ☐ FLOOD ☐

NO. STORIES AREA UNCOMP. FILL ☐

sewer cap # 9001
 OK Gas Co. 12-23-81

FINAL INSPECTION APPROVED Snow DATE 1-24/82

DECLARATIONS

The Declarations below are mandated by the State of California under Section 19825 of the Health and Safety Code. The additional costs of printing and permit application processing caused by these requirements can only be passed on to the applicant as they are not recoverable from the state.

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class C-21 License No. 335225

Date 12/23/81 Contractor A-1 LAND CLEARING

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5, California Business and Professions Code: Any City which requires a permit to construct, alter, improve, demolish or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he is a licensed contractor pursuant to the provisions of the Contractor's License Law (Ch. 9 (Commencing with Sec. 7000) of Div. 3 of the B. & P. C.) or that he is exempt therefrom and the basis for the alleged exemption. Any violations of Sec. 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars (\$500.00).):

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, B. & P. C. The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, B. & P. C.: The Contractor's License Law does not apply to an owner of contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

☐ I am exempt under Sec. _____, B. & P. C. for this reason:

Date 12-23-81 Owner MR Ruppinger

WORKER'S COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure or a certificate of Worker's Compensation Insurance or a certified copy thereof (Sec. 3800, Lab. C.).

Policy No. WC 071-441-1 Company AMER STATES

☐ Certified copy is hereby furnished.

☒ Certified copy is filed with the Department of Planning & Building.

Date 12-23-81 Applicant MR Ruppinger

CERTIFICATE OF EXEMPTION FROM WORKER'S COMPENSATION INSURANCE

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Worker's Compensation Laws of California.

Date _____ Applicant _____

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Work's Comp. provisions of the Labor Code, You must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3907, Civ. C.).

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all City, and State laws relating to the building construction, and hereby authorize representatives of this City to enter upon the above-mentioned property for inspection purposes.

MR Ruppinger 12-23-81
Signature of Owner or Contractor Date

— IMPORTANT —

Application is hereby made to the Superintendent of Building and Safety for a permit subject to the conditions and restrictions set forth on the front and rear faces of this application.

- Each person upon whose behalf this application is made and each person at whose request and for whose benefit work is performed under or pursuant to any permit issued as a result of this application agrees to, and shall, indemnify and hold harmless the City of Long Beach, its officers, agents and employees from any liability arising out of the issuance of any permit resulting from this application.
- Any permit issued as a result of this application becomes null and void if work is not commenced within ONE HUNDRED TWENTY (120) DAYS from date of issuance of such permit.

ST. NO. 1401 San Francisco St.

DATE

LOT NO. 3d to 48 incl.

11-18-32

BLOCK 9

PERMIT NO.

TOWN Town of Seabright

D 7324

CITY City of Long Beach

ADDRESS City Hall

CONTRACTOR

ADDRESS

USE OF BUILDING Carpenter Shop and
Store Room

TYPE OF CONSTRUCTION

DIMENSIONS OF BUILDING

WIDTH 40

LENGTH 40

HEIGHT

BROWNS

COLORS

FASCIAS

TOTAL COST \$1,000.

FEE No fee

INSPECTION CARD

DATE	INSPECTION	REMARKS
		EXCAV. INSP.
		FOUND. INSP.
		PLASTERING INSP.
		ROOFING INSP.
		FINAL INSP.

1401 San Francisco St.

1200 4924

7-31-88

Dr. Philip

Keywords: child sexual abuse; disclosure; social support

1998

C 2411E

City of Long Beach

205 City Hall

Control group

Abstract

USE OF BUILDING Municipal Garage Alter.

Class no. 0000000000

DOI: 10.1002/for

Weight loss

8. Find up to Four

2000

● 零售店

© 2004 Blackwell Publishing Ltd

© 1999 Blackwell Science Ltd

Prize: \$5,000.

\$19.00

* STEEL CONCRETE MASONRY. When in place, EXAMINE.

174 賴坤成、王仲雄 著 謝志偉 譯

Eaton

• 94 •

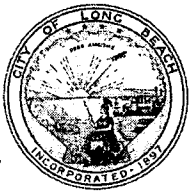
10

Keywords: child sexual abuse; disclosure; social support

Source: *U.S. Census Bureau*.

● 2007 年 10 月 1 日起实施

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CITY OF LONG BEACH

DEPARTMENT OF DEVELOPMENT SERVICES

Website: www.lbds.info

333 W. OCEAN BLVD, 4TH FLOOR

LONG BEACH, CALIFORNIA 90802

(562) 570 - 5237

FAX (562) 570-6753

TDD (562) 570-6793

24 Hour Inspection Request - Phone 570-6105

Job Description

Job Address: 1401 SAN FRANCISCO AVE Project Number: **BRMD170964**
Description: Tenant improvement on existing warehouse: infill two windows and create 12'x14' opening for roll-up door. Restripe accessible parking stalls, install parking signage and repave path of travel from parking to entrance.
Present Bldg Use: Receipt Number: 02335295 Date: 1/30/2015
Proposed Bldg Use: WAREHOUSE Valuation: \$ 15,000 Bldg Height:
Type of Construction: Occupancy Type: Census Tract: 575401
Assessor Number 7271008016 Zone: IG Council District: 1
Historic Name: Landmark Name:

Owner Information

Name: SAN FRANCISCO YARD LLC
Mailing Address: 100 BAYVIEW CIRCLE SUITE # 300, NEWPORT BEACH CA 92660

Applicant Information

Name: B C C CONTRACTING INC

Contractor Information

Name: B C C CONTRACTING INC
Mailing Address: 314 ELIZABETH LANE, CORONA CA 92880
State License No.: 940177

Payor Information

Paid by: B C C CONTRACTING INC

Fees Paid

Storm Water	\$27.75	Strong Motion Instrumentation Program	\$4.20
Permit for Handicap - for Title 24	\$32.45	Green Building Standards	\$1.00
Records Management and Retention	\$44.00	PM Surcharge - Technology	\$36.67
Fire Permit	\$238.55	Permit Filing	\$44.90
Building Permit	\$324.47	PM Surcharge - General Plan Update	\$52.35
Deputy Inspection - Epoxy	\$133.00	Deputy Inspection - Structural Steel	\$133.00
Structural Observation	\$133.00		
			Total Paid: \$1,205.34

Final date: 11/24/15 CAN



Certificate of Occupancy

City of Long Beach
Department of Development Services
Building and Safety Bureau

This certificate is issued pursuant to the requirements of Chapter 18.08 of the Long Beach Municipal Code (L.B.M.C.) certifying that at the time of issuance this building or structure, or portion thereof, was in compliance with the provisions of Title 18 of the L.B.M.C. and other ordinances of the City or laws and statutes of the State regulating building construction or use for the following:

Permit No.: BRMD170964

Name of Owner: SAN FRANCISCO YARD LLC

Permit Address: 1401 SAN FRANCISCO AVE

Address of Owner: 100 BAYVIEW CIRCLE SUITE # 300
NEWPORT BEACH, CA 92660

Portion of Building:

Work Description: Tenant improvement on existing warehouse: infill two windows and create 12'x14' opening for roll-up door.
Restripe accessible parking stalls, install parking signage and repave path of travel from parking to entrance.

Use: Warehouse

Occupancy Type: S1

Type of Construction: V-B

Max. Occupancy Load: -

Sprinkler Required: -

Edition of the Code: 2013 CBC

Any special stipulations or conditions:

Building Official

01/30/2015

Date Permit Issued

09/19/2018

Date Certificate Issued

POST IN A CONSPICUOUS AT OR NEAR THE BUILDING ENTRANCE

Issuance of a Certificate of Occupancy shall not be construed as an approval of a violation of the provision of this title, municipal code or other ordinance of the City or laws and statutes of the State.

Address: _____ Project #: _____

1. OWNER-BUILDER'S DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors' State License Law for the reason(s) indicated below by the checkmark(s) I have placed next to the applicable item(s) (Section 7031.5, Business and Professions Code: Any city or county that requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for the permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors' State License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt from licensure and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars (\$500).).

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do ☐ all of or ☐ portions of the work, and the structure is not intended or offered for sale (Section 7044, Business and Professions Code: The Contractors' State License Law does not apply to an owner of property who, through employees' or personal effort, builds or improves the property, provided that the improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the Owner-Builder will have the burden of proving that it was not built or improved for the purpose of sale).

☐ I, as owner of the property, am exclusively contracting with licensed Contractors to construct the project (Section 7044, Business and Professions Code: The Contractors' State License Law does not apply to an owner of property who builds or improves thereon, and who contracts for the projects with a licensed Contractor pursuant to the Contractors' State License Law).

☐ I am exempt from licensure under the Contractors' State License Law for the following reason:

By my signature below I acknowledge that, except for my personal residence in which I must have resided for at least one year prior to completion of the improvements covered by this permit, I cannot legally sell a structure that I have built as an owner-builder if it has not been constructed in its entirety by licensed contractors. I understand that a copy of the applicable law, Section 7044 of the Business and Professions Code, is available upon request when this application is submitted or at the following Web site: <http://www.leginfo.ca.gov/calaw.html>.

Property Owner or Authorized Agent signature _____ Date _____

2. WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, issued by the Director of Industrial Relations as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

☐ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:
Carrier _____ Policy No _____ Exp Date _____
Name of Agent _____ Tel No _____

☐ I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that, if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS (\$100,000.00), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

3. DECLARATION REGARDING CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction-lending agency for the performance of the work for which this permit is issued (Section 3097, Civil Code).

Lender's Name and Address _____
By my signature below, I certify to each of the following:

- I have read this construction permit application and the information I have provided is true and correct.
- I agree to comply with all applicable Long Beach City, county ordinances and state laws relating to building construction.
- I authorize representatives of this city or county to enter the above-identified property for inspection purposes.

I am ☐ the property owner or ☐ authorized agent acting on the property owner's behalf.

The Notice to Property Owner form shall accompany this document. The property owner must complete the Authorization of Agent section on the form when an authorized agent is acting on the property owner's behalf.

Signature _____ Date _____

Address: 501 San Francisco Ave, 429 W Anaheim St Project #: BRMD170964

1. CALIFORNIA LICENSED CONTRACTOR'S DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

Contractor Name and Address: BCC Contracting Inc 1251 Pomona Rd, Ste 101 Corona, CA 92882
License No. and Class: 940177 Contractor Signature: _____
CLB Business License Number: 2503140 Expiration Date: 4/30/15

2. WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, issued by the Director of Industrial Relations as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.
Policy No. _____

☒ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:
Carrier: STATE COMP. INS FUND Policy No. 9050250-2014 Exp Date: 4/1/15
Name of Agent _____ Tel No _____

☐ I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that, if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS (\$100,000.00), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

3. VERIFICATION OF APPLICATION, LAW COMPLIANCE AND INSPECTION ACCESS.

By my signature below, I certify to each of the following:

- ☐ I have read this construction permit application and the information I have provided is correct.
- ☐ I agree to comply with all applicable city and county ordinances and state laws relating to building construction.
- ☐ I authorize representatives of this city or county to enter the above-identified property for inspection purposes.

I am ☐ the California licensed contractor or ☐ authorized agent acting on the contractor's behalf.

California Licensed Contractor: _____ Date _____
Signature _____

Contractor's Authorized Agent: _____ Date _____
Name (print) _____ Signature _____

Address of Authorized Agent _____

4. DECLARATION REGARDING CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction-lending agency for the performance of the work for which this permit is issued (Section 3097, Civil Code).
Lender's Name and Address _____

5. CONTRACTOR PERMIT PROXY

If the Contractor does not carry worker's compensation insurance and is not available to personally complete the permit application at the Long Beach City Hall, the above information may be completed and signed by the licensed contractor and submitted by proxy. The application declarations must be completely filled out and signed by the contractor in three (3) appropriate places (California Licensed Contractor's Declaration, Worker's Compensation Declaration and Verification of application, Law Compliance and Inspection Access). In addition to completing the above information, the contractor must provide a copy of the front and back of the signed contractor's state license card. Please note that the license holder must sign the reverse side of the state licensed card.

929 West Anaheim Street &

1401 San Francisco Avenue
Long Beach, CA 90813

Inquiry Number: 6052641.5
April 30, 2020

The EDR-City Directory Abstract

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SECTION

Executive Summary

Findings

City Directory Images

Thank you for your business.

Please contact EDR at 1-800-352-0050
with any questions or comments.

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This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OR DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1920 through 2014. This report compiles information gathered in this review by geocoding the latitude and longitude of properties identified and gathering information about properties within 660 feet of the target property.

A summary of the information obtained is provided in the text of this report.

RECORD SOURCES

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Bradstreet. These standard sources of property information complement and enhance each other to provide a more comprehensive report.

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Data by

infoUSA[®]

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RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

<u>Year</u>	<u>Source</u>	<u>TP</u>	<u>Adjoining</u>	<u>Text Abstract</u>	<u>Source Image</u>
2014	Cole Information Services	-	X	X	-
2009	Cole Information Services	-	X	X	-
2006	Haines Company, Inc.	-	X	X	-
2004	Cole Information Services	-	X	X	-
	Haines Company	-	-	-	-
2003	Haines & Company	-	-	-	-
2001	Haines & Company, Inc.	-	-	-	-
2000	Haines	-	X	X	-
1999	Cole Information Services	-	X	X	-
	Haines Company	-	-	-	-
1996	GTE	-	-	-	-
1995	Pacific Bell	-	X	X	-

EXECUTIVE SUMMARY

<u>Year</u>	<u>Source</u>	<u>TP</u>	<u>Adjoining</u>	<u>Text Abstract</u>	<u>Source Image</u>
1994	Cole Information Services	-	X	X	-
1992	PACIFIC BELL WHITE PAGES	-	-	-	-
1991	Pacific Bell	-	X	X	-
1990	Pacific Bell	-	X	X	-
1986	Pacific Bell	-	-	-	-
1985	Pacific Bell	-	X	X	-
1981	Pacific Telephone	-	X	X	-
1980	Pacific Telephone	-	X	X	-
1976	Pacific Telephone	-	X	X	-
1975	Pacific Telephone	-	X	X	-
1972	R. L. Polk & Co.	-	-	-	-
1971	R. L. Polk & Co.	-	-	-	-
1970	Pacific Telephone	-	X	X	-
1969	Pacific Telephone	-	X	X	-
	Pacific Telephone	X	X	X	-
1967	Pacific Telephone	-	X	X	-
1966	Pacific Telephone	-	-	-	-
1965	GTE	-	-	-	-
1964	Pacific Telephone	-	X	X	-
	Pacific Telephone	X	X	X	-
1963	Pacific Telephone	-	X	X	-
	Pacific Telephone	X	X	X	-
1962	Pacific Telephone	-	-	-	-
1961	R. L. Polk & Co.	-	-	-	-
1960	Pacific Telephone	-	X	X	-
	Pacific Telephone	X	X	X	-
1958	Pacific Telephone	-	-	-	-
1957	Pacific Telephone	-	X	X	-
	Pacific Telephone	X	X	X	-
1956	Pacific Telephone	-	-	-	-
1955	R. L. Polk & Co.	-	-	-	-
1954	R. L. Polk & Co.	-	X	X	-
	R. L. Polk & Co.	X	X	X	-
1952	Los Angeles Directory Co.	-	X	X	-
	Los Angeles Directory Co.	X	X	X	-
1951	Los Angeles Directory Co Publishers	-	-	-	-
1950	Pacific Telephone	-	X	X	-
	Pacific Telephone	X	X	X	-
1949	Los Angeles Directory Co.	-	-	-	-
1948	Los Angeles Directory Co.	-	X	X	-
	Los Angeles Directory Co.	X	X	X	-
1947	Pacific Directory Co.	-	-	-	-

EXECUTIVE SUMMARY

<u>Year</u>	<u>Source</u>	<u>TP</u>	<u>Adjoining</u>	<u>Text Abstract</u>	<u>Source Image</u>
1946	Southern California Telephone Co	-	-	-	-
1945	The Glendale Directory Co.	-	-	-	-
1944	R. L. Polk & Co.	-	X	X	-
1942	Los Angeles Directory Co.	-	X	X	-
1940	Los Angeles Directory Co.	-	-	-	-
1939	Los Angeles Directory Co.	-	X	X	-
1938	Los Angeles Directory Company Publishers	-	-	-	-
1937	Los Angeles Directory Co.	-	X	X	-
1936	Los Angeles Directory Co.	-	-	-	-
1935	Los Angeles Directory Co.	-	X	X	-
1934	Los Angeles Directory Co.	-	-	-	-
1933	Los Angeles Directory Co.	-	-	-	-
1932	Los Angeles Directory Co.	-	-	-	-
1931	Los Angeles Directory Co.	-	X	X	-
	Los Angeles Directory Co.	X	X	X	-
1930	Los Angeles Directory Co.	-	-	-	-
1929	Los Angeles Directory Co.	-	-	-	-
1928	Los Angeles Directory Co.	-	-	-	-
1927	Los Angeles Directory Co.	-	-	-	-
1926	Los Angeles Directory Co.	-	-	-	-
1925	Los Angeles Directory Co.	-	-	-	-
1924	Los Angeles Directory Co.	-	X	X	-
1923	Los Angeles Directory Co.	-	-	-	-
1921	Los Angeles Directory Co.	-	-	-	-
1920	Los Angeles Directory Co.	-	-	-	-

EXECUTIVE SUMMARY

SELECTED ADDRESSES

The following addresses were selected by the client, for EDR to research. An "X" indicates where information was identified.

<u>Address</u>	<u>Type</u>	<u>Findings</u>
929 West Anaheim Street	Client Entered	X
1444 San Francisco Avenue	Client Entered	X
1475 San Francisco Avenue	Client Entered	X
1601 San Francisco Avenue	Client Entered	X
824 West Anaheim Street	Client Entered	X
750 West Anaheim Street	Client Entered	X
729 West Anaheim Street	Client Entered	X

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

1401 San Francisco Avenue
Long Beach, CA 90813

FINDINGS DETAIL

Target Property research detail.

SAN FRANCISCO AVE

1401 SAN FRANCISCO AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1931	City Garage	Los Angeles Directory Co.

W ANAHEIM ST

929 W ANAHEIM ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1954	FICKLING A E LUMBR CO	R. L. Polk & Co.
1950	DAVIS ROOFING CO	Pacific Telephone
	FICKLING A E LUMBR CO	Pacific Telephone
	STANDARD STATIONS INC WILMINGTON	Pacific Telephone

West Anaheim Street

929 West Anaheim Street

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1969	FICKLING LUMBER CO INC RET	Pacific Telephone
1964	FICKLING LUMBER CO INC	Pacific Telephone
1963	Amundsen Delman 1117 G	Pacific Telephone
	Fickling Lbr Co Inc H 1 EG 14r 57 11 E	Pacific Telephone
1960	FICKLING LUMBER CO INC	Pacific Telephone
1957	Pickling A E Lbr Co AHEH	Pacific Telephone
	PICKLING LUMBER CO INC	Pacific Telephone
1954	FICKLING A E LUMBR CO	R. L. Polk & Co.
1952	Flickling A E Lbr Co	Los Angeles Directory Co.
1950	DAVIS ROOFING CO	Pacific Telephone
	FICKLING A E LUMBR CO	Pacific Telephone
	STANDARD STATIONS INC WILMINGTON	Pacific Telephone

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Fickling A E Lmbr Co	Los Angeles Directory Co.

FINDINGS

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

14TH ST W

701 14TH ST W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1935	Vacant	Los Angeles Directory Co.
1931	Vacant	Los Angeles Directory Co.

703 14TH ST W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1944	Pettifer C W genl contr	R. L. Polk & Co.
1939	APettifer C W genl contr	Los Angeles Directory Co.
1935	Pettifer C W bldg contr	Los Angeles Directory Co.

733 14TH ST W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1969	EL SOMBRERO SALES MFG CONCRETE PROD	Pacific Telephone
	MARINE INDUSTRIAL PUMP & EQUIPMENT	Pacific Telephone
	GADCO ISP INC OIL TOOL MFG	Pacific Telephone
	ARTOGS ARTIST MATERIALS	Pacific Telephone
1944	Duffi S M geni contr	R. L. Polk & Co.
1939	Duff & Vandenhoogen Co gcnl contrs	Los Angeles Directory Co.
1935	Duff & Vandenhoogen Co genl contrs	Los Angeles Directory Co.
1931	Pettifer Chas W Co genl contra	Los Angeles Directory Co.

745 14TH ST W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1944	Allen W E geni contr	R. L. Polk & Co.

746 14TH ST W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1939	AAAllen W E genl contr	Los Angeles Directory Co.
	Ford S L p Istr contr	Los Angeles Directory Co.

FINDINGS

800 14TH ST W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1969	JOHNSON C LLOYD CO INC DANDY DRUGS & SUNDRIES DISTR	Pacific Telephone

801 14TH ST W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1969	TECHNICAL SERVICE CO OIL WELL SERV	Pacific Telephone

804 14TH ST W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1969	NOTCH M A CORP MILITARY PROCUREMENT	Pacific Telephone

806 14TH ST W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1969	HALFHILL CO CANNERS TUNAFISH	Pacific Telephone
	SOUTH PACIFIC CANNING CO	Pacific Telephone

845 14TH ST W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1969	VACANT	Pacific Telephone

15TH ST W

800 15TH ST W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1969	ROUTH TRANSPORTATION TRUCKING HE	Pacific Telephone

809 15TH ST W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1969	EL BEKAL TEMPLE	Pacific Telephone

847 15TH ST W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1969	LAURA SCUDDERS SNACK FOOD DIV POTATO CHIPS	Pacific Telephone

940 15TH ST W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1939	Brockman H H	Los Angeles Directory Co.

FINDINGS

946 15TH ST W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1944	Brockman H H	R. L. Polk & Co.

ANAHEIM ST W

733 ANAHEIM ST W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1969	PAMECO AIRE REFRIGERATION WHOL ONLY	Pacific Telephone

COWLES ST

724 COWLES ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1969	ASSOCIATED VAN LINES INC	Pacific Telephone

726 COWLES ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1969	BLUE RIBBON VAN STORAGE	Pacific Telephone

812 COWLES ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1969	CONSOLIDATED COMSTOCK CO INC ELEC CONTR	Pacific Telephone

899 COWLES ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1969	PACIFIC GULF MARINE SERVICE INC SHIP REPRS	Pacific Telephone

N SAN FRANCISCO AVE

1444 N SAN FRANCISCO AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1981	MEDI DIAMOND LONG BEACH	Pacific Telephone

OREGON AVE

1410 OREGON AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2000	BRUBAKER Keith	Haines
1991	Stakias Produce	Pacific Bell

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1954	MCGINNIS ELEC MOTORS	R. L. Polk & Co.
1950	MCGINNIS ELEC MOTORS	Pacific Telephone

1411 OREGON AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	INTERLINK INDUSTRIAL WIPERS	Cole Information Services
2009	INTERLINK INDUSTRIAL WIPERS	Cole Information Services
2006	CEMOREJos	Haines Company, Inc.
	INTERLINK	Haines Company, Inc.
	INDUSTRIAL WIPERS	Haines Company, Inc.
2004	STUART LEDSAM	Cole Information Services
	JOSEPH CEMORE	Cole Information Services
2000	INTERLINK INDUSTRIAL WIPERS	Haines
	CEMORE Jos	Haines
	OIL SPILL MANAGEMENT	Haines
	LED SAM CONTRACTING	Haines
1999	CONSTRUCTION FIRE EQUIPMENT INCORPORATED	Cole Information Services
	LED SAM CONTRACTING	Cole Information Services
	OIL SPILL MANAGEMENT	Cole Information Services
1994	CONSTRUCTION FIRE EQUIPMENT	Cole Information Services
1991	FIRE EQUIPMENT & SUPPLY CO	Pacific Bell
1985	FIRE EQUIPMENT & SUPPLY CO	Pacific Bell
	FIRE EQUIPMENT & SUPPLY CO	Pacific Bell
1980	FIRE EQUIP & SUPPLY CO	Pacific Telephone
	FIRE EQUIP & SUPPLY CO	Pacific Telephone
1975	FIRE EQUIP & SUPPLY CO	Pacific Telephone
	FIRE EQUIP & SUPPLY CO	Pacific Telephone
1969	FIRE EQUIPMENT SUPPLY CO	Pacific Telephone
1957	Vacant	Pacific Telephone
1954	FIRE EQUIPT & SUPPLY CO	R. L. Polk & Co.
1950	ROK-HESIVE MFG CO	Pacific Telephone

1420 OREGON AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1969	VACANT	Pacific Telephone

1421 OREGON AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1969	FIRE EQUIP & SUP WHSE	Pacific Telephone

FINDINGS

1424 OREGON AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	A & M CLOTHING	Haines Company, Inc.
2004	OCCUPANT UNKNOWN	Cole Information Services
	TJD FASHION STYLES	Cole Information Services
2000	CARAVAN MFG CO	Haines
1999	CARAVAN MANUFACTURING COMPANY	Cole Information Services
1994	CARAVAN MANUFACTURING CO	Cole Information Services
1991	Caravan Mfg Co	Pacific Bell
1985	Caravan Mfg Co	Pacific Bell
	CARAVAN MFG CO	Pacific Bell
1980	CARAVAN MFG CO	Pacific Telephone
	Caravan Mfg Co	Pacific Telephone
1975	Caravan Mfg Co	Pacific Telephone
	CARAVAN MFG CO	Pacific Telephone
1969	CARAVAN MFG WHEEL CHAIR PARTS	Pacific Telephone
1948	Douglas Bros whol prod	Los Angeles Directory Co.
1944	ADouglas Bros whol prod	R. L. Polk & Co.
1939	Berning C J A whol prod	Los Angeles Directory Co.
1935	Berning C J A whol prod	Los Angeles Directory Co.
1931	Shaw & Berninig w ldo prod	Los Angeles Directory Co.

1428 OREGON AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2000	XXXX	Haines
1957	Romine Earl P whol prod be	Pacific Telephone
1952	Romine E P whol prod	Los Angeles Directory Co.
1950	RAMINE EARL P FRUITS	Pacific Telephone
1948	SRomine E P whol prod	Los Angeles Directory Co.
1944	ARomine E P whol prod	R. L. Polk & Co.
1939	Romine E P whol prod	Los Angeles Directory Co.

1430 OREGON AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2000	WEAVER MACH CO	Haines
1999	WEAVER MACHINE COMPANY	Cole Information Services
1994	WEAVER MACHINE CO	Cole Information Services
1991	Weaver Machine Co	Pacific Bell
1985	WEAVER MACHINE CO	Pacific Bell

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1985	Weaver Machine Co	Pacific Bell
1980	Weaver Machine Co	Pacific Telephone
1975	Weaver Machine Co	Pacific Telephone
1935	Romine E P whol prod	Los Angeles Directory Co.
1931	Homline B P whol prod	Los Angeles Directory Co.

1434 OREGON AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1939	Bruscin Paul whol prod	Los Angeles Directory Co.
1935	Bruscia Fruit Co whol prod	Los Angeles Directory Co.

1436 OREGON AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Vacant	Los Angeles Directory Co.
1944	Vacant	R. L. Polk & Co.
1939	Vacant	Los Angeles Directory Co.

1438 OREGON AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1952	Vacant	Los Angeles Directory Co.

1450 OREGON AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2000	XXXX	Haines
	X COWLES W	Haines
1994	LONG BEACH RECYCLING	Cole Information Services

1451 OREGON AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1969	VACANT	Pacific Telephone
1963	Star House Movers Inc HE	Pacific Telephone
1957	Star House Movers Inc AHb E	Pacific Telephone
1952	Star House Movers Inc	Los Angeles Directory Co.

OREGON CT

1421 OREGON CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1954	EBERHART POTATO CO	R. L. Polk & Co.
1950	EBERHART POTATO CO	Pacific Telephone

FINDINGS

1424 OREGON CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1950	DOUGLAS BROS PRODUCE CO	Pacific Telephone
	DOUGLAS BROS PRODUCE CO	Pacific Telephone

SAN FRANCISCO AVE

1317 SAN FRANCISCO AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	at Cowles Adohr Milk Farms	Los Angeles Directory Co.
	AL B Janitor Supp	Los Angeles Directory Co.
1942	Branch	Los Angeles Directory Co.
1939	ABlue Diamond Corp Ltd bldg mratls	Los Angeles Directory Co.
1937	Branch	Los Angeles Directory Co.
1935	Blue Diam Onitud :nrp M 3g	Los Angeles Directory Co.

1320 SAN FRANCISCO AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2000	XXXX	Haines
1994	LONG BEACH GARAGE DOOR SVC	Cole Information Services
1991	Long Beach Gas Dept Emergency Service	Pacific Bell
	Long Beach Garage Door Services	Pacific Bell
1985	Long Beach Gas Dept	Pacific Bell
	Long Beach Garage Door Services	Pacific Bell
	LONG BEACH GARAGE DOOR SERVICES	Pacific Bell

1400 SAN FRANCISCO AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1924	City Gas Dept	Los Angeles Directory Co.

1407 SAN FRANCISCO AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1950	LONG BCH CITY OF PUBLIC SERV DEPT	Pacific Telephone

1415 SAN FRANCISCO AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1964	LONG BEACH CITY OF	Pacific Telephone

FINDINGS

1444 SAN FRANCISCO AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	THE FOOD BANK OF SOUTHERN CALIFORNIA	Cole Information Services
	THE FOOD BANK OF SOUTHERN CALIFORNIA	Cole Information Services
2006	THE FOOD BANK	Haines Company, Inc.
2004	THE FOOD BANK OF STHRN CLFRN	Cole Information Services
	THE FOOD BANK OF STHRN CLFRN	Cole Information Services
2000	X COWLES W	Haines
	THE FOOD BANK	Haines
1999	HAWAIIAN CONNECTION THE	Cole Information Services
	THE FOOD BANK OF SOUTHERN CALIFORNIA	Cole Information Services
	HAWAIIAN CONNECTION THE	Cole Information Services
	THE FOOD BANK OF SOUTHERN CALIFORNIA	Cole Information Services
1994	FOOD BANK OF SOUTHERN CA	Cole Information Services
	FOOD BANK OF SOUTHERN CA	Cole Information Services
1991	Second Harvest Food Bank Of Greater South Bay	Pacific Bell
1985	Long Beach Food Bank	Pacific Bell
	LONG BEACH FOOD BANK	Pacific Bell
1980	MEDI DIAMOND	Pacific Telephone
	LONG BEACH SPECIAL SERVICES	Pacific Telephone
	DOLLAR RIDE	Pacific Telephone
	DIAMOND CAB CO	Pacific Telephone
	BELLFLOWER CITY OF DOLLAR RIDE	Pacific Telephone
	LONG BEACH AIRPORT TRANSPORTATION	Pacific Telephone
	YELLOW CAB CO	Pacific Telephone
	Medi Diamond	Pacific Telephone
	Long Beach Special Services	Pacific Telephone
	Diamond Cab	Pacific Telephone
	Dollar Ride	Pacific Telephone
	DIAMOND CAB CO	Pacific Telephone
1975	DIAMOND CAB CO	Pacific Telephone
	YELLOW CAB CO	Pacific Telephone
	DIAMOND CAB CO	Pacific Telephone
1969	SAN FRANCISCO AVENUE INC AUTO	Pacific Telephone
	YELLOW CAB COMPANY OF LONG BEACH	Pacific Telephone

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1969	DIAMOND CAB CO OF LONG BEACH	Pacific Telephone
1964	YELLOW CAB GARDENA	Pacific Telephone
	MARKET BENCH CO	Pacific Telephone
1963	Diamond Cab Co HE	Pacific Telephone
	Yellow Cab Co of LB HE	Pacific Telephone
1960	DIAMOND CAB CO	Pacific Telephone
	YELLOW CAB CO	Pacific Telephone

1475 SAN FRANCISCO AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2000	LB CTY CHEM & TST LAB	Haines
	X 16TH W	Haines
	X 15TH W	Haines
1999	LONG BCH CITY OF CONTD CTRL FACILITIES CENTER	Cole Information Services
	HAWAIIAN GARDENS CITY OF CHEMICAL & TESTING LABORATORY	Cole Information Services
	LONG BCH CITY OF CONTD CTRL FACILITIES CENTER	Cole Information Services
	HAWAIIAN GARDENS CITY OF CHEMICAL & TESTING LABORATORY	Cole Information Services
1994	BOB CROWLEY	Cole Information Services
	LONG BEACH CHEM & PHYS TEST LB	Cole Information Services
	BOB CROWLEY	Cole Information Services
	LONG BEACH CHEM & PHYS TEST LB	Cole Information Services
1980	LONG BEACH CITY OF	Pacific Telephone
	CHEMICAL & TESTING LAB	Pacific Telephone
1975	CHEMICAL & TESTING LAB	Pacific Telephone
	LONG BEACH CITY OF	Pacific Telephone
1969	CITY CHEMICAL & TESTING LABY	Pacific Telephone
1963	City Chem & Testing Laby HE	Pacific Telephone
1960	LONG BEACH CITY OF CHEMICAL & TESTING LAB	Pacific Telephone
1957	City Chem & Testing Laby he	Pacific Telephone
	LONG BEACH CITY OF CHEMICAL & TESTING LABLONG BEACH	Pacific Telephone
1954	LONG BEACH CITY OF CHEMICAL & TESTING LAB	R. L. Polk & Co.
1952	City Cheml & Testing Labty	Los Angeles Directory Co.
1950	LONG BCH CITY OF CHEMICAL & TESTING LAB	Pacific Telephone

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1950	LONG BCH CITY OF AIR POLLUTION CONTROL	Pacific Telephone
1948	City Cheml & Testing Labty	Los Angeles Directory Co.
1944	City Chemical and Test ing Laboratory	R. L. Polk & Co.
1939	ACity Chemist and Testing Engineer	Los Angeles Directory Co.

1481 SAN FRANCISCO AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1950	LONG BCH CITY OF HEALTH DEPT	Pacific Telephone

1501 SAN FRANCISCO AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1952	City Animal Shelter	Los Angeles Directory Co.
1948	City Poundmaster	Los Angeles Directory Co.
1944	Ic Ol ACity Pound	R. L. Polk & Co.
1939	Vacant	Los Angeles Directory Co.
1935	City Anifmail Shc Wt	Los Angeles Directory Co.
	City Poun dm aeter	Los Angeles Directory Co.
	Kallaher D E	Los Angeles Directory Co.
1931	City Humane Commission	Los Angeles Directory Co.
	City Poundmaster	Los Angeles Directory Co.

1601 SAN FRANCISCO AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	CITY OF LONG BEACH	Cole Information Services
2004	ELISA GALVAN	Cole Information Services
1999	LONG BEACH CITY OF WATER DEPARTMENT	Cole Information Services
	LONG BCH CITY OF CONTD STRET SWEEPING PARK ENFCMNT	Cole Information Services
	LONG BCH CITY OF CONTD REDEVELOPMENT AGENCY 3RD FL	Cole Information Services
	LONG BCH CITY OF CONTD TRES CITY 6TH FL	Cole Information Services
	LONG BCH CITY OF CONTD STRET PERMITS 4TH FL	Cole Information Services
	LONG BCH CITY OF CONTD TRFC ENGINEERING BUR 10TH FL	Cole Information Services
	LONG BCH CITY OF CONTD TRANSIENT TAX LEVEL	Cole Information Services
	LONG BEACH CITY OF SENIOR CITIZENS CENTER	Cole Information Services

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1999	LONG BCH CITY OF CONTD PRCHNG DIVISION LEVEL	Cole Information Services
	LONG BCH CITY OF CONTD SPEC EVENTS 13TH FL	Cole Information Services
1994	LONG BEACH STORN DRAINS	Cole Information Services
	LONG BEACH STREET MAINTENANCE	Cole Information Services
	LONG BEACH TREES	Cole Information Services
	LONG BEACH PUBLIC SVC BUR	Cole Information Services

San Francisco Avenue

1444 San Francisco Avenue

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	THE FOOD BANK	Haines Company, Inc.
2000	THE FOOD BANK	Haines
	X COWLES W	Haines
1991	Second Harvest Food Bank Of Greater South Bay	Pacific Bell
1985	Long Beach Food Bank	Pacific Bell
	LONG BEACH FOOD BANK	Pacific Bell
1981	MEDI DIAMOND LONG BEACH	Pacific Telephone
1980	BELLFLOWER CITY OF DOLLAR RIDE	Pacific Telephone
	DIAMOND CAB CO	Pacific Telephone
	DOLLAR RIDE	Pacific Telephone
	LONG BEACH AIRPORT TRANSPORTATION	Pacific Telephone
	LONG BEACH SPECIAL SERVICES	Pacific Telephone
	MEDI DIAMOND	Pacific Telephone
	DIAMOND CAB CO	Pacific Telephone
	Dollar Ride	Pacific Telephone
	Diamond Cab	Pacific Telephone
	Long Beach Special Services	Pacific Telephone
	Medi Diamond	Pacific Telephone
	YELLOW CAB CO	Pacific Telephone
1975	DIAMOND CAB CO	Pacific Telephone
	YELLOW CAB CO	Pacific Telephone
	DIAMOND CAB CO	Pacific Telephone
1969	DIAMOND CAB CO OF LONG BEACH	Pacific Telephone
	YELLOW CAB COMPANY OF LONG BEACH	Pacific Telephone
	SAN FRANCISCO AVENUE INC AUTO	Pacific Telephone

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1964	YELLOW CAB GARDENA	Pacific Telephone
	MARKET BENCH CO	Pacific Telephone
1963	Diamond Cab Co HE	Pacific Telephone
	Yellow Cab Co of LB HE	Pacific Telephone
1960	DIAMOND CAB CO	Pacific Telephone
	YELLOW CAB CO	Pacific Telephone

1475 San Francisco Avenue

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2000	LB CTY CHEM & TST LAB	Haines
	X 15TH W	Haines
	X 16TH W	Haines
1980	CHEMICAL & TESTING LAB	Pacific Telephone
	LONG BEACH CITY OF	Pacific Telephone
1975	CHEMICAL & TESTING LAB	Pacific Telephone
	LONG BEACH CITY OF	Pacific Telephone
1969	CITY CHEMICAL & TESTING LABY	Pacific Telephone
1963	City Chem & Testing Laby HE	Pacific Telephone
1960	LONG BEACH CITY OF CHEMICAL & TESTING LAB	Pacific Telephone
1957	City Chem & Testing Laby he	Pacific Telephone
	LONG BEACH CITY OF CHEMICAL & TESTING LABLONG BEACH	Pacific Telephone
1954	LONG BEACH CITY OF CHEMICAL & TESTING LAB	R. L. Polk & Co.
1952	City Cheml & Testing Labty	Los Angeles Directory Co.
1950	LONG BCH CITY OF AIR POLLUTION CONTROL	Pacific Telephone
	LONG BCH CITY OF CHEMICAL & TESTING LAB	Pacific Telephone
1948	City Cheml & Testing Labty	Los Angeles Directory Co.
1944	City Chemical and Test ing Laboratory	R. L. Polk & Co.
1939	ACity Chemist and Testing Engineer	Los Angeles Directory Co.

1601 San Francisco Avenue

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	LONGBCH CTY PUB	Haines Company, Inc.
	SV BUR GAS	Haines Company, Inc.
	LONG BCH CTY PUB	Haines Company, Inc.
	SVTDOD	Haines Company, Inc.
	LONG BCH CTY	Haines Company, Inc.

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	TREES	Haines Company, Inc.
2000	LB CTY PUBLIC SERV	Haines
	LB CTY PUBLIC SERV	Haines
	LB CTY PUBLIC SERVICE BUR TDD	Haines
	LB CTY TREES	Haines
1995	Long Beach City Of PUBLIC SERVICE BUREAU	Pacific Bell
1980	LONG BEACH CITY OF PUBLIC WORKS DEPT PUBLIC SERVICE BUREAU	Pacific Telephone
	LONG BEACH CITY OF PUBLIC WORKS DEPT PUBLIC SERVICE BUREAU	Pacific Telephone
	LONG BEACH CITY OF PUBLIC WORKS DEPT PUBLIC SERVICE BUREAU	Pacific Telephone
	LONG BEACH CITY OF PUBLIC WORKS DEPT PUBLIC SERVICE BUREAU	Pacific Telephone
	Public Service Bureau	Pacific Telephone
	Electrical & Mechanical Services Div	Pacific Telephone
	Sewer Maintenance Div	Pacific Telephone
	Street Maintenance Div	Pacific Telephone
1975	PUBLIC SERVICE DEPARTMENT	Pacific Telephone
	LONG BEACH CITY OF PUBLIC SERVICE DEPARTMENT	Pacific Telephone
1969	CITY PUBLIC SERV DEPT	Pacific Telephone
1964	LONG BEACH CITY OF PUBLIC SERVICE DEPARTMENT	Pacific Telephone
1963	City Public Serv Dept HE	Pacific Telephone
1960	LONG BEACH CITY OF PUBLIC SERVICE DEPARTMENT	Pacific Telephone
1957	LONG BEACH CITY OF HEALTH DEPARTMENT	Pacific Telephone
	City Public Serv Dept	Pacific Telephone
1952	City Public Serv Dept	Los Angeles Directory Co.

W 14TH ST

700 W 14TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2004	OCCUPANT UNKNOWN	Cole Information Services
1975	Nalco Chemical Co	Pacific Telephone
	NALCO CHEMICAL CO	Pacific Telephone

FINDINGS

702 W 14TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Paige E H Mrs	Los Angeles Directory Co.

703 W 14TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1963	Fire Equip & Sup Co BE	Pacific Telephone
1957	Fire Equip & Sups	Pacific Telephone
1954	PETTIFER CHAS W CONTR	R. L. Polk & Co.
1952	Pettifer C W gen contr	Los Angeles Directory Co.
1950	PETTIFER CHAS W CONTN	Pacific Telephone
	PETTIFER CHAS W CONTN	Pacific Telephone
1948	Apettifer C W geni contr	Los Angeles Directory Co.

704 W 14TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2009	KENS PLUMBING INC	Cole Information Services
	AMERICAN PLUMBING HEATING & AC	Cole Information Services
2006	KENS PLUMBING	Haines Company, Inc.
2004	OCCUPANT UNKNOWN	Cole Information Services
1999	KENS PLUMBING INCORPORATED	Cole Information Services
1975	Donahues Body Shop	Pacific Telephone

707 W 14TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1957	Vacant	Pacific Telephone
1952	Vacant	Los Angeles Directory Co.
1948	Sawyer H E	Los Angeles Directory Co.

708 W 14TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	LOOK GRAPHICS	Cole Information Services
2006	WERTZ William	Haines Company, Inc.
1999	ALBERTSON TIRE COMPANY	Cole Information Services
	J & D HYTRONICS	Cole Information Services
1994	ALBERTSON TIRE CO	Cole Information Services
1991	Albertson Tire Co	Pacific Bell
1985	ALBERTSON TIRE CO	Pacific Bell
	Albertson Tire Co	Pacific Bell
1980	JERRY S AUTO REPAIR	Pacific Telephone
	Jerrys Auto Repair	Pacific Telephone

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1975	Jerrys Auto Repair	Pacific Telephone
	JERRY S AUTO REPAIR	Pacific Telephone

712 W 14TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2004	DON ALLAIRE	Cole Information Services
1994	KENS PLUMBING	Cole Information Services
1991	KENS PLUMBING	Pacific Bell
1985	Kens Plumbing	Pacific Bell
	KEN S PLUMBING	Pacific Bell
1975	BISHOP S LIGHTING MAINTENANCE CO	Pacific Telephone
	Bishops Lighting Maintenance Co	Pacific Telephone

715 W 14TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1963	Vacant	Pacific Telephone

716 W 14TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	MULDOON MARINE SERVICES	Cole Information Services
2009	MULDOON MARINE SERVICE INC	Cole Information Services
2006	MULDOON MARINE	Haines Company, Inc.
2004	OCCUPANT UNKNOWN	Cole Information Services
1980	ENVIRONMENTAL SERVICES DIVISION	Pacific Telephone
1975	ENVIRONMENTAL SERVICES DIVISION	Pacific Telephone
	ENVIRONMENTAL SERVICES DIVISION	Pacific Telephone

717 W 14TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2009	LOOK GRAPHICS	Cole Information Services
1999	CHEW W F ENTERPRISES	Cole Information Services
1994	W F CHEW ENTERPRISES	Cole Information Services
1991	Chew W F Enterprises elctrnc equip	Pacific Bell
1985	CHEW W F ENTERPRISES ELCTRNC EQUIP	Pacific Bell
	Chew W F Enterprises elctrnc equip	Pacific Bell
1980	Chew W F Enterprises elctrnc equip	Pacific Telephone
	CHEW W F ENTERPRISES ELCTRNC EQUIP	Pacific Telephone

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1975	CHEW W F ENTERPRISES ELCTRNC EQUIP	Pacific Telephone
	Chew W F Enterprises elctrnc equip	Pacific Telephone

720 W 14TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	TECHNICAL ARTISAN SERVICES	Cole Information Services
2009	JAMES KOVACICH	Cole Information Services
	TECHNICAL ARTISM SERVICES	Cole Information Services
2006	ARTISAN	Haines Company, Inc.
	TECHNICAL	Haines Company, Inc.
2004	TECHNICAL ARTISAN SERVICES	Cole Information Services
1999	TECHNICAL ARTISAN SERVICES	Cole Information Services
1994	TECHNICAL ARTISAN SVC	Cole Information Services
1991	Technical Artisan Svcs	Pacific Bell
1975	Orient Enterprises Co	Pacific Telephone
	ORIENT ENTERPRISES CO	Pacific Telephone

721 W 14TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	JJ IRON WORK	Cole Information Services
2006	GROUP	Haines Company, Inc.
	CONSTRUCTION	Haines Company, Inc.
	FOSTER	Haines Company, Inc.
2004	OCCUPANT UNKNOWN	Cole Information Services
1999	RESTORATION SERVICES	Cole Information Services
1991	WALTS MOVING & STORAGE	Pacific Bell
1985	WALTS MOVING & STORAGE	Pacific Bell
	WALT S MOVING & STORAGE	Pacific Bell
1980	WALTS MOVING & STORAGE	Pacific Telephone
	WALTS MOVING & STORAGE	Pacific Telephone
1975	WALTS MOVING & STORAGE	Pacific Telephone
	WALTS MOVING & STORAGE	Pacific Telephone

723 W 14TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	STARS DANCEWEAR	Cole Information Services
2009	PARTS HAUS	Cole Information Services
2006	PARTS HAUS THE	Haines Company, Inc.
2004	JOSHUA BUCK	Cole Information Services

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2004	PARTS HAUS	Cole Information Services
1999	CONTROLS UNLIMITED	Cole Information Services
1994	CONTROLS UNLIMITED	Cole Information Services
1991	Controls Unlimited	Pacific Bell

724 W 14TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1994	ARTHUR J PAUL CONSTRUCTION	Cole Information Services
1991	Paul Arthur J Construction Management Co	Pacific Bell
1985	PAUL ARTHUR J CONSTRUCTION MGT CO	Pacific Bell
	Paul Arthur J Construction Mgt Co	Pacific Bell
1980	ORIENT ENTERPRISES CO	Pacific Telephone
	Orient Enterprises Co	Pacific Telephone
1975	Silent Sentry Inc	Pacific Telephone

725 W 14TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1985	D & L Cabinets	Pacific Bell
	D & L CABINETS	Pacific Bell
1980	Wahls Welding	Pacific Telephone

727 W 14TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2009	STARLIGHT ROOM	Cole Information Services
1999	SPERRY MARINE INCORPORATED	Cole Information Services
1994	SPERRY MARINE INC	Cole Information Services
1991	Sperry Marine Inc	Pacific Bell
1985	SPERRY MARINE SYSTEMS Division Sperry Corp Marine Service	Pacific Bell
	SPERRY MARINE SYSTEMS DIVISION SPERRY CORP MARINE SERVICE	Pacific Bell
1980	SPERRY MARINE SYSTEMS Division Sperry Corp Marine Service	Pacific Telephone
1975	SPERRY MARINE SYSTEMS DIVISION SPERRY RAND CORP Marine Service	Pacific Telephone

728 W 14TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1999	KBR INVESTMENTS	Cole Information Services
1980	PETERSONS FURNITURE	Pacific Telephone

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1980	HOUCHS PROCESS STRIPPING CENTER	Pacific Telephone
	Houchs Process Stripping Center	Pacific Telephone
	PETERSONS FURNITURE	Pacific Telephone

732 W 14TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	PEYTCHS AUTOMOTIVE	Cole Information Services
1999	JIMMY MACK AUTO	Cole Information Services
1985	PIPE SHOPPE THE	Pacific Bell
	Pipe Shoppe The	Pacific Bell
1980	PIPE SHOPPE THE	Pacific Telephone
	Pipe Shoppe The	Pacific Telephone

733 W 14TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	METROPOLITAN CHEMICAL CO	Cole Information Services
2009	METROPOLITAN CHEMICAL CO	Cole Information Services
2006	METRO CHEMICAL	Haines Company, Inc.
2004	OCCUPANT UNKNOWN	Cole Information Services
1994	AAA MOBILE HOME CONTRACTORS	Cole Information Services
	METROPOLITAN CHEMICAL CO	Cole Information Services
1991	AAA Mobile Home Contractors	Pacific Bell
1985	AAA MOBILE HOME CONTRACTORS LONG BEACH	Pacific Bell
	AAA Mobile Home Contractors	Pacific Bell
1980	AAA MOBILE HOME CONTRACTORS	Pacific Telephone
	AAA Mobile Home Contractors	Pacific Telephone
1975	BOLTZ-KUZIO MARINE	Pacific Telephone
	GADCO-ISP INC	Pacific Telephone
	GILLESPIE DON INC	Pacific Telephone
	METROPOLITAN CHEMICAL CO	Pacific Telephone
	Metropolitan Chemical Co	Pacific Telephone
	Gillespie Don Inc	Pacific Telephone
	GADCO ISP INC	Pacific Telephone
	Boltz Kuzio Marine	Pacific Telephone
1964	ALL STATE ELECTRIC CO	Pacific Telephone
	VIETHER KLAUS GENERAL CONTRACTOR LONG BEACH	Pacific Telephone
1963	Duff Sam M Co geni contr TE	Pacific Telephone

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1960	DUFF SAM M CO CONTR	Pacific Telephone
1957	DUFF SAM M CONTR	Pacific Telephone
	DUFF SAM M CONTR	Pacific Telephone
	Duff Saml M genl contr j: he	Pacific Telephone
1954	FLAMER ERIK IMBR	R. L. Polk & Co.
	DUFF SAM M CONTR	R. L. Polk & Co.
1952	Duff S M contr	Los Angeles Directory Co.
1950	A DFLFFSAM M CONTR	Pacific Telephone
	STACY WINCHESTER CONTR	Pacific Telephone
	GREENBERG ELEC	Pacific Telephone
1948	Duff S N geni contr	Los Angeles Directory Co.

736 W 14TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1975	LEWIS ALFRED M INC	Pacific Telephone
	Lewis Alfred M Inc	Pacific Telephone
	Orange Empire Co Op	Pacific Telephone
	ORANGE EMPIRE CO OP	Pacific Telephone

740 W 14TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2009	PEYTECH	Cole Information Services
	TOMMYS AUTO SERVICE	Cole Information Services
2006	PEYTCHEVKOSTA	Haines Company, Inc.
	TOMMYSAUTO	Haines Company, Inc.
	SERVICE	Haines Company, Inc.
	SERVICE TOMMYSAUTO	Haines Company, Inc.
2004	PEYTCH	Cole Information Services
	TOMMYS AUTO SERVICE	Cole Information Services
	KOSTA PEYTCHEV	Cole Information Services
1999	TOMMYS AUTO SERVICE	Cole Information Services
	PEYTCHEV KOSTA	Cole Information Services
1994	TOMMYS AUTO SVC	Cole Information Services
1991	TOMMYS AUTO SERVICE	Pacific Bell
1985	TOMMY S AUTO SERVICE	Pacific Bell
	TOMMYS AUTO SERVICE	Pacific Bell
1980	DAVIS JOSEPH	Pacific Telephone
	Davis Joseph	Pacific Telephone

FINDINGS

744 W 14TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	METRO PLYWOOD & HARDWARE	Cole Information Services
2009	TNN FASHION	Cole Information Services
1999	GEMINI MARINE REPAIR	Cole Information Services
1985	Gemini Marine Repair	Pacific Bell
	GEMINI MARINE REPAIR	Pacific Bell
1980	K D Coleman	Pacific Telephone
	K D COLEMAN	Pacific Telephone
1975	Page Moving & Storage	Pacific Telephone
	PAGE MOVING & STORAGE	Pacific Telephone

745 W 14TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1964	WESSON C E SAN PEDRO	Pacific Telephone
1957	FORD S L PLASTRNG CO	Pacific Telephone
	tersects	Pacific Telephone
	Ford S L Plastering Co he	Pacific Telephone
1954	FORD S L PLASTRNG CO	R. L. Polk & Co.
1952	Ford Plastering Co	Los Angeles Directory Co.
	sects	Los Angeles Directory Co.
1950	FORD S L PLASTMRG CO	Pacific Telephone
1948	AMoxley M L geni contr	Los Angeles Directory Co.
	14TH WEST Contd	Los Angeles Directory Co.
	Ford Plastering Co	Los Angeles Directory Co.

800 W 14TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2009	W & O SUPPLY INC	Cole Information Services
2006	W& O SUPPLY INC	Haines Company, Inc.
1999	W & O SUPPLY INCORPORATED	Cole Information Services
1994	W & O SUPPLY INC	Cole Information Services
1991	W & O Supply Inc	Pacific Bell
1985	W & O Supply Inc	Pacific Bell
	W & O SUPPLY INC	Pacific Bell
1980	CLARKE MECHANICAL INC	Pacific Telephone
	CLARKE MECHANICAL INC	Pacific Telephone

FINDINGS

801 W 14TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2009	CLARIANT CORP	Cole Information Services
2006	TR OIL SERVICES	Haines Company, Inc.
2004	OCCUPANT UNKNOWN	Cole Information Services
1999	TECHNICAL SERVICE COMPANY	Cole Information Services
1994	TECHNICAL SERVICE CO	Cole Information Services
1991	Technical Service Co	Pacific Bell
1985	Technical Service Co	Pacific Bell
	TECHNICAL SERVICE CO	Pacific Bell
1980	Technical Service Co	Pacific Telephone
1975	Technical Service Co	Pacific Telephone
1963	Kuster Elce Co elc contrs HB	Pacific Telephone
1960	KUSTER ELECTRIC CO	Pacific Telephone
1957	Kuster Elec Co constrn yd	Pacific Telephone

804 W 14TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	LOCKSMITH IN LONG BEACH LTD	Cole Information Services
2009	INNOVATION WINDOW COVERINGS	Cole Information Services
2006	SUPPLIES	Haines Company, Inc.
	FAR EAST MARINE	Haines Company, Inc.
2004	OCCUPANT UNKNOWN	Cole Information Services
	FAR EAST MARINE SUPPLIES	Cole Information Services
1999	FAR EAST MARINE SUPPLIES	Cole Information Services
1994	HANBADA MARINE INC	Cole Information Services
	FAR EAST MARINE SUPPLIES	Cole Information Services
	LONG BEACH SHIP SUPPLY	Cole Information Services
1991	Far East Marine Supplies	Pacific Bell
1985	FAR EAST MARINE SUPPLIES	Pacific Bell
	Far East Marine Supplies	Pacific Bell
1980	FAR EAST MARINE SUPPLIES	Pacific Telephone
	FAR EAST MARINE SUPPLIES	Pacific Telephone

806 W 14TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	L W HYDRAULIC SERVICES LLC	Cole Information Services
2009	HYDRAULIC & AUTOMATION CONTROLS INC	Cole Information Services
2006	HYDRAULIC	Haines Company, Inc.

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	ATMTN CNTRL INC	Haines Company, Inc.
2004	HYDRALIC AUTOMATION CONTROLS INC	Cole Information Services
	JEROME EVERETT	Cole Information Services
1999	EVERETTS AUTOMOTIVE	Cole Information Services
1994	GOLD FOOD SERVICE	Cole Information Services
1985	MAGTROL ELEC SUPLS	Pacific Bell
	MAG-TROL LONG BEACH INC ELEC SUPIS	Pacific Bell
	Mag Trol Long Beach Inc elec supls	Pacific Bell
	Magtrol elec supls	Pacific Bell
	MAG-TROL LONG BEACH INC	Pacific Bell
1980	HALFHILL CO THE	Pacific Telephone
	South Pac Canning Co	Pacific Telephone
	South Coast Fisheries Co	Pacific Telephone
	Halfhill Co The	Pacific Telephone
1975	South Pac Canning Co	Pacific Telephone
	South Coast Fisheries Co	Pacific Telephone
	Halfhill Co The	Pacific Telephone
	HALFHILL CO THE	Pacific Telephone

837 W 14TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1964	NELSON OLGA A	Pacific Telephone

840 W 14TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1964	ANTICH MARIO SAN PEDRO	Pacific Telephone

845 W 14TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1964	HARRYS REPAIR IMPS-REPRNG	Pacific Telephone

964 W 14TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1975	FRENCH DAVID A REV	Pacific Telephone

7751/2 W 14TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1957	DEVENPORT EUGENE	Pacific Telephone

FINDINGS

7791/2 W 14TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1957	HIGBY LENA M	Pacific Telephone
1954	HIGBY LENA M R	R. L. Polk & Co.

W 15TH

847 W 15TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	AUSTRAL AUTO PARTS INTERNATIONAL INC LONG BEACH	Pacific Bell

W 15TH ST

756 W 15TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1970	BURSON MILES A	Pacific Telephone

780 W 15TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1980	NUNO JOHN SAN PEDRO	Pacific Telephone
1964	CHAVEZ EMILIO V SAN PEDRO	Pacific Telephone

800 W 15TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	READY STORAGE	Cole Information Services
2009	ROGER DEYOUNG LLC	Cole Information Services
	READY STORAGE	Cole Information Services
2006	READYSTORAGE	Haines Company, Inc.
2004	OCCUPANT UNKNOWN	Cole Information Services
	READY STORAGE	Cole Information Services
1999	READY STORAGE	Cole Information Services
1994	READY, E	Cole Information Services
	READY STORAGE	Cole Information Services
1991	READY STORAGE	Pacific Bell
1985	CHANCELLOR & OGDEN INC	Pacific Bell
	Chancellor & Ogden Inc	Pacific Bell
1980	Mayes Kyle O Co Inc trkng	Pacific Telephone
	ROUTH TRANSPORTATION	Pacific Telephone
1975	Mayes Kyle O Co Inc trkng	Pacific Telephone
	ROUTH TRANSPORTATION	Pacific Telephone

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1975	MAYES KYLE O CO INC TRKNG	Pacific Telephone
1964	RAY S VACUUM TRUCK SERV	Pacific Telephone
	ROUTH TRANSPORTATION	Pacific Telephone
1963	Rays Vacuum Truck Serv trucking HE	Pacific Telephone
	Routh Trans trucking HE	Pacific Telephone
	Laird Elmer	Pacific Telephone
1960	RAYS VACUUM TRUCK SERV	Pacific Telephone
	ROUTH TRANSPORTATION	Pacific Telephone
1957	RAY S VACUUM TRUCK SERV	Pacific Telephone
	ROUTH TRANSPORTAT HOIO	Pacific Telephone
	Rays Vacuum Truck Serv trucking he	Pacific Telephone
	Roth Trans trucking	Pacific Telephone
	AHA 5 B	Pacific Telephone
1954	RAY S VACUUM TRUCK SERV	R. L. Polk & Co.
	ROUTH TRANSPTN	R. L. Polk & Co.

809 W 15TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	BCIA	Cole Information Services
	KEN MASON TILE INC	Cole Information Services
2009	KEN MASON TILE INC	Cole Information Services
2006	KEN MASONTILE	Haines Company, Inc.
	BC	Haines Company, Inc.
2004	BCIA	Cole Information Services
	GLENN PAUL	Cole Information Services
1999	KEN MASON TILE INCORPORATED	Cole Information Services
	BCIA	Cole Information Services
1994	KEN MASON TILE INC	Cole Information Services
1991	Ken Mason Tile Inc	Pacific Bell
1980	FIRST CHRISTIAN CHURCH	Pacific Telephone
	FIRST CHRISTIAN CHURCH	Pacific Telephone
1975	EL BEKAL TEMPLE AAONMS	Pacific Telephone
	Utility Building	Pacific Telephone
1964	EL BEKAL TEMPLE UTILITY BUILDING	Pacific Telephone
1963	El Bekal Temple Shrine	Pacific Telephone
1960	EL BEKAL TEMPLE UTILITY BUILDING	Pacific Telephone
1957	EL BEKAL TEMPLE UTILITY BUILDING	Pacific Telephone

FINDINGS

816 W 15TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1967	Georgeson John J CPA	Pacific Telephone

847 W 15TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	BCIA	Cole Information Services
2009	OVERSEAS PRECISION CASTINGS INC	Cole Information Services
2006	BCIA	Haines Company, Inc.
	PRECISION CASTING	Haines Company, Inc.
	OVERSEAS	Haines Company, Inc.
2004	OCCUPANT UNKNOWN	Cole Information Services
	OVERSEAS PRECISION CASTING	Cole Information Services
1999	H & H WORKSHOP	Cole Information Services
	OVERSEAS PRECISION CASTING	Cole Information Services
	H & H WORKSHOP	Cole Information Services
1994	H&H WORKSHOP	Cole Information Services
1991	AA Place Motorsport	Pacific Bell
	From Agoura Telephones Call	Pacific Bell
1985	LAURA SCUDDER S ANAHEIM	Pacific Bell
	Long Beach	Pacific Bell
1980	Long Beach	Pacific Telephone
	LAURA SCUDDER S ANAHEIM ANAHEIM	Pacific Telephone
1975	LAURA SCUDDERS	Pacific Telephone
	Laura Scudders	Pacific Telephone
1964	GOOD FOODS DIV OF LAURA SCUDDER S	Pacific Telephone
1963	Good Foods Div of Scudder Food HE	Pacific Telephone
1960	GOOD FOODS DIV SCUDDER FOOD PROD INC	Pacific Telephone
1957	GOLDEN STATE POTATO CHIP CO	Pacific Telephone
	Golden State Potato Chip Co he	Pacific Telephone

904 W 15TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1970	GREEN WM F	Pacific Telephone
	NEVANS PAUL	Pacific Telephone
	FABER FRED	Pacific Telephone
	BETZ WM G	Pacific Telephone
	MACCALLUM SPENCER H	Pacific Telephone

FINDINGS

926 W 15TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1970	LEYVA ALBERT P	Pacific Telephone
1964	HODGSON WILBERT H	Pacific Telephone
1960	HODGSON WILBERT H	Pacific Telephone
1957	MORRIS W P	Pacific Telephone
1954	MORRISW P R	R. L. Polk & Co.
1950	MORRIS W PR	Pacific Telephone

934 W 15TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1970	FAUST LAURA	Pacific Telephone
1964	IVANOV VICE	Pacific Telephone
1960	DI IORIO GIUSEPPE	Pacific Telephone
1957	DI LARIO GIUSEPPE	Pacific Telephone
1954	DI IORIO GIUSEPPE R	R. L. Polk & Co.
1950	CARTMEL WILLARD C R	Pacific Telephone
1935	Christopher M C r	Los Angeles Directory Co.

940 W 15TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1964	SCHNELL JACOB	Pacific Telephone

942 W 15TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1964	KRAMER RAYMOND	Pacific Telephone
1960	KRAMER RAYMOND	Pacific Telephone
1957	KRAMER RAYMOND	Pacific Telephone
1954	KRAMER RAYMOND R	R. L. Polk & Co.
1950	KRAMER RAYMOND R	Pacific Telephone
1935	Iverson H B Mrs r	Los Angeles Directory Co.

946 W 15TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Brockman HH	Los Angeles Directory Co.

948 W 15TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1970	BUTLER LILLIAN	Pacific Telephone
1957	WICKS ROHT A	Pacific Telephone
1954	WICKS ROBT A	R. L. Polk & Co.

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1950	BROWN LEWIS E R	Pacific Telephone

956 W 15TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1964	BRYANT HUBERT O	Pacific Telephone
1960	BRYANT HUBERT O	Pacific Telephone
1957	*BRYANT HUBERT	Pacific Telephone
1954	BRYANT HUBERT O	R. L. Polk & Co.
1950	PAVKOVIOH ROBT N R	Pacific Telephone
1935	Dwyer T A r	Los Angeles Directory Co.

964 W 15TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1964	WADSWORTH PATSY	Pacific Telephone
	WADSWORTH RICHARD	Pacific Telephone
1960	LUDVIGSEN PREBEN MRS	Pacific Telephone
1957	LUDVIGSEN PREBEN	Pacific Telephone
1954	CRACCHIOLO JOE P	R. L. Polk & Co.
1935	Campbell Helen r	Los Angeles Directory Co.

972 W 15TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1964	AHTONEN K O	Pacific Telephone
1960	AHTONEN K O	Pacific Telephone
1957	JUSITALO HILDA	Pacific Telephone
1954	UUSITALO HILDA R	R. L. Polk & Co.
1950	UUSITALO HILDA R	Pacific Telephone

974 W 15TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1960	SHELLENBERGER BELLE I	Pacific Telephone
1954	WORNAC ANILE IVI	R. L. Polk & Co.
1950	GREEN I MR	Pacific Telephone

978 W 15TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1964	WOND FRANCIS	Pacific Telephone
1960	WAND FRANCIS	Pacific Telephone
1957	WAND FRANCIS	Pacific Telephone
1954	WOND FRAIJELS R	R. L. Polk & Co.

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1950	WOND FRANCIS R	Pacific Telephone

7891/2 W 15TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1957	LDAFQNULST W V	Pacific Telephone

974 1/2 W 15TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1960	NELSON ALBERT	Pacific Telephone

W ANAHEIM ST

729 W ANAHEIM ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	OXBOW CARBON & MINERALS LLC	Cole Information Services
	MB SPOOLING	Cole Information Services
	TEAM AMVETS WELCOME HOME	Cole Information Services
2004	RACK FACTORY INC	Cole Information Services
	STRIKE TECHNOLOGY INC	Cole Information Services
1999	WILORCO INCORPORATED	Cole Information Services
	RACK FACTORY	Cole Information Services
	RETHREADS	Cole Information Services
	M D DESIGNS MANUFACTURING	Cole Information Services
	MICROTECH SOLUTIONS	Cole Information Services
1994	WILORCO INC	Cole Information Services
	SOUTH PACIFIC HOUSE	Cole Information Services
	RACK FACTORY	Cole Information Services

731 W ANAHEIM ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	PARTS HAUS THE	Cole Information Services
2009	LONG BEACH GARAGE DOOR	Cole Information Services
2006	DOOR SERVICES	Haines Company, Inc.
	LONG BCH GARAGE	Haines Company, Inc.
2004	HILL AMMUNITION CORP	Cole Information Services
1999	LONG BEACH GARAGE DOOR SERVICES	Cole Information Services

733 W ANAHEIM ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	HARBOR CUSTOM CANVAS	Cole Information Services

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2009	HARBOR CUSTOM CANVAS	Cole Information Services
	JUSTICE AMMUNITION INC	Cole Information Services
2006	CANVAS	Haines Company, Inc.
	HARBOR CSTM	Haines Company, Inc.
1999	HILL AMMUNITION CORPORATION	Cole Information Services
	PAMECO AIRE	Cole Information Services
1994	PAMECO AIRE	Cole Information Services
1991	Pameco Aire	Pacific Bell
1985	Pameco Aire	Pacific Bell
	PAMECO-AIRE	Pacific Bell
1980	PAMECO AIRE	Pacific Telephone
	PAMECO AIRE	Pacific Telephone
1975	PAMECO AIRE	Pacific Telephone
	PAMECO AIRE	Pacific Telephone
1970	PAMECO AIRE REFRIGTN EQUIP	Pacific Telephone
1964	PAMECO-AIRE DIV OF PACIFIC METALS REFRIGTN EQUIP	Pacific Telephone

739 W ANAHEIM ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2004	JESUS ESTRADA	Cole Information Services

740 W ANAHEIM ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	VACUUM	Haines Company, Inc.
	I & M SEWING	Haines Company, Inc.
	MACHINE	Haines Company, Inc.

750 W ANAHEIM ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1952	Aldrich Sup Co plmbg sups	Los Angeles Directory Co.
1948	ABlack S W Co bldrs suppe	Los Angeles Directory Co.
	AAldrich F B plmbg sup	Los Angeles Directory Co.

805 W ANAHEIM ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Ellis Paint Co	Los Angeles Directory Co.

FINDINGS

808 W ANAHEIM ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2009	CECILIA SOLORZANO	Cole Information Services
1999	CECILIA SOLORZANO	Cole Information Services

824 W ANAHEIM ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1957	sects	Pacific Telephone
	Inc of Calif be	Pacific Telephone
	Smyth Van & Storage Co	Pacific Telephone
1952	Crane Co plmbg supps	Los Angeles Directory Co.
1948	ACrane Co plmbg supps	Los Angeles Directory Co.

828 W ANAHEIM ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1964	SWENSON T R GENERAL AUTO FINANCE WILMINGTON	Pacific Telephone
1952	Blake Moffitt & Towne paper	Los Angeles Directory Co.

831 W ANAHEIM ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1954	WISTER PLUMBNG CO	R. L. Polk & Co.

838 W ANAHEIM ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1952	Gough Industries Inc radios	Los Angeles Directory Co.

841 W ANAHEIM ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1994	ASP IMPORTS	Cole Information Services
1960	HAMPTON IMPORTED CARS INC	Pacific Telephone

844 W ANAHEIM ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1952	sects	Los Angeles Directory Co.
	Vacant	Los Angeles Directory Co.
1948	AFranetovich N D restr	Los Angeles Directory Co.

881 W ANAHEIM ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2009	PHO 79 INC	Cole Information Services
	PHOHANH	Cole Information Services

FINDINGS

900 W ANAHEIM ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1980	BILL STECH BULCK GMC OPEL WILMINGTON	Pacific Telephone
1970	AVALON MOTORS-BUICK-OPEL WILMINGTON	Pacific Telephone

1010 W ANAHEIM ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1954	WILMINGTON RANCH MKT	R. L. Polk & Co.

W COWLES

812 W COWLES

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1981	WESTERN MARINE EXPRESS LONG BEACH	Pacific Telephone

W COWLES ST

701 W COWLES ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	A D S PAPER PACKAGING	Cole Information Services
2009	ADS PAPERS PACKAGING INC	Cole Information Services
2006	PCKGNG	Haines Company, Inc.
	ADS PAPER	Haines Company, Inc.
2004	ADS PAPER PACKAGING	Cole Information Services
	OCCUPANT UNKNOWN	Cole Information Services
1999	A D S PAPER PACKAGING	Cole Information Services
1994	A D S PAPER PCKGNG	Cole Information Services
	ADS PAPER PACKAGING	Cole Information Services
1991	Taylor Decorating Rental	Pacific Bell
1985	Henderson & Company South	Pacific Bell
	HENDERSON & COMPANY SOUTH	Pacific Bell

703 W COWLES ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	SUMMITGAS	Haines Company, Inc.
	GEAR INC	Haines Company, Inc.
2004	SUMMIT GAS & GEAR INC	Cole Information Services
1999	PAULSEN WIRE ROPE INCORPORATED	Cole Information Services

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1999	HENDERSON & COMPANY SOUTH	Cole Information Services
1994	HENDERSON & CO SOUTH	Cole Information Services
1991	Henderson & Company South	Pacific Bell

720 W COWLES ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1957	Zavastsky Barrel Co AHE	Pacific Telephone

722 W COWLES ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1957	THORNTON RESTAURANT SUPPLY CO	Pacific Telephone
1954	THORNTON RESTAURANT SUPPLY CO	R. L. Polk & Co.
1950	THORNTON RESTAURANT SUPPLY CO	Pacific Telephone

724 W COWLES ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2009	GRAINGER INDUSTRIAL SUPPLY	Cole Information Services
2006	MASTER	Haines Company, Inc.
	FASTENERS	Haines Company, Inc.
1999	GRAINGER DIVISON OF W W GRAINGER INCORPORATED	Cole Information Services
	ATLANTIS LINE	Cole Information Services
1995	GRAINGER DIV OF W W GRAINGER INC	Pacific Bell
1994	GRAINGER INC	Cole Information Services
1976	BLUE RIBBON VAN & STORAGE	Pacific Telephone
1975	BLUE RIBBON VAN STORAGE COMPANY	Pacific Telephone
	BLUE RIBBON VAN & STORAGE CO	Pacific Telephone
1957	Green John P float mfrs he	Pacific Telephone
1952	Vacant	Los Angeles Directory Co.
1948	ABentley Ken gro	Los Angeles Directory Co.
1944	AGuptill J W poultry	R. L. Polk & Co.
1939	Vacant	Los Angeles Directory Co.
1931	Vacant	Los Angeles Directory Co.
1924	Boyles Transfer	Los Angeles Directory Co.

726 W COWLES ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1985	U S C FREIGHT FORWARDERS	Pacific Bell
	ALTA FREIGHT SYSTEMS	Pacific Bell

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1985	U S C Freight Forwarders	Pacific Bell
	Alta Freight Systems	Pacific Bell
1980	Kerner Trucking Service Inc	Pacific Telephone
	Alta Freight Systems	Pacific Telephone
	KERNER TRUCKING SERVICE INC	Pacific Telephone
	ALTA FREIGHT SYSTEMS	Pacific Telephone
1975	BLUE RIBBON VAN & STORAGE CO	Pacific Telephone
	BLUE RIBBON VAN STORAGE COMPANY	Pacific Telephone
1950	WALLACE CARL W PLSTRER	Pacific Telephone

812 W COWLES ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	NUMBER ONE AUTO TOWING INC	Cole Information Services
	CHECKERED TOWING	Cole Information Services
2004	OCCUPANT UNKNOWN	Cole Information Services
1994	NUMBER ONE AUTO TOWING INC	Cole Information Services
1991	Moinee Mike	Pacific Bell
1980	Western Marine Express	Pacific Telephone
1975	COMSTOCK L K & CO INC	Pacific Telephone
	COMSTOCK L K & CO INC	Pacific Telephone
1963	Jacobs J S Co Inc elec contr HE	Pacific Telephone
1957	Jacobs J S C Inc elec contr he	Pacific Telephone

828 W COWLES ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1957	Adohr Milk Farms AHE	Pacific Telephone
1952	Adohr Milk Farms	Los Angeles Directory Co.
	sects	Los Angeles Directory Co.
1948	Vacant	Los Angeles Directory Co.
1944	Lamb C J exp	R. L. Polk & Co.
1939	ALamb Transportation Co	Los Angeles Directory Co.
1931	Lambs Transfer Co	Los Angeles Directory Co.

899 W COWLES ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	G & J FORKLIFT INC	Cole Information Services
	HAWAII FREIGHT CONSOLIDATION	Cole Information Services
2009	POSEIDONIA SHIP SUPPLY INC	Cole Information Services

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2009	GULF MARINE & INDUSTRIAL SUPPLIES	Cole Information Services
2006	BGULFMARINEAND INDUSTRIAL SPL POSEIDONIASHIP SUPPLY	Haines Company, Inc. Haines Company, Inc. Haines Company, Inc.
2004	GULF MARINE & INDTRIL SUPLIES INC SEVENSTRAND TACKLE CORP POSEIDONIA SHIP SUPPLY JASON GAINES	Cole Information Services Cole Information Services Cole Information Services Cole Information Services
1999	SEVEN STRAND TACKLE CORPORATION ATLANTIC STEAMERS SUPPLY COMPANY	Cole Information Services Cole Information Services
1994	SEVEN STRAND TACKLE CORP	Cole Information Services
1991	Harty Built Inc Seven Strand Tackie Corp	Pacific Bell Pacific Bell
1985	Lawee Inc LAWEE INC	Pacific Bell Pacific Bell
1980	Lawee Inc	Pacific Telephone
1975	LAWEE INC Lawee Inc	Pacific Telephone Pacific Telephone
1963	Youngs Mkt Co whol liquors HE	Pacific Telephone
1957	Youngs Mkt Co whol liquors he sects	Pacific Telephone Pacific Telephone

West Anaheim Street

729 West Anaheim Street

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	RACK FACTORY RIO WINDOW FASHIONS WILORCDODIV	Haines Company, Inc. Haines Company, Inc. Haines Company, Inc.
1991	Rack Factory motrcyls Rattan Arts South Pacific House California Wilorco Inc	Pacific Bell Pacific Bell Pacific Bell Pacific Bell
1985	Rack Factory motrcyls South Pacific House California Wilorco Inc RACK FACTORY MOTRCYLS	Pacific Bell Pacific Bell Pacific Bell Pacific Bell

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1985	SOUTH PACIFIC HOUSE CALIFORNIA	Pacific Bell
	WILORCO INC	Pacific Bell
1980	Rack Factory motrcyls	Pacific Telephone
	South Pacific House California	Pacific Telephone
	Wilorco Inc	Pacific Telephone
1976	Wilorco Inc	Pacific Telephone
1975	Rack Factory motrcyls	Pacific Telephone
	South Pacific House California Inc	Pacific Telephone
	Wilorco Inc	Pacific Telephone
1969	WILORCO INC ELECTRONICS EQUIP	Pacific Telephone
1964	WILORCO INC	Pacific Telephone

750 West Anaheim Street

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1952	Aldrich Sup Co plmbg sups	Los Angeles Directory Co.
1948	AAldrich F B plmbg sup	Los Angeles Directory Co.
	ABlack S W Co bldrs suppe	Los Angeles Directory Co.

824 West Anaheim Street

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1957	Smyth Van & Storage Co	Pacific Telephone
	Inc of Calif be	Pacific Telephone
	sects	Pacific Telephone
1952	Crane Co plmbg supps	Los Angeles Directory Co.
1948	ACrane Co plmbg supps	Los Angeles Directory Co.

FINDINGS

ADJOINING PROPERTY: ADDRESSES NOT IDENTIFIED IN RESEARCH SOURCE

The following Adjoining Property addresses were researched for this report, and the addresses were not identified in research source.

<u>Address Researched</u>	<u>Address Not Identified in Research Source</u>
1010 W ANAHEIM ST	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1317 SAN FRANCISCO AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1938, 1936, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1320 SAN FRANCISCO AVE	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1320 SAN FRANCISCO AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1400 SAN FRANCISCO AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1923, 1921, 1920
1407 SAN FRANCISCO AVE	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1410 OREGON AVE	2014, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1411 OREGON AVE	2014, 2009, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched

964 W 15TH ST

972 W 15TH ST

974 1/2 W 15TH ST

974 W 15TH ST

978 W 15TH ST

Address Not Identified in Research Source

2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

TARGET PROPERTY: ADDRESS NOT IDENTIFIED IN RESEARCH SOURCE

The following Target Property addresses were researched for this report, and the addresses were not identified in the research source.

Address Researched

1401 San Francisco Avenue

Address Not Identified in Research Source

2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1967, 1966, 1965, 1962, 1961, 1958, 1956, 1955, 1951, 1949, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920



929 West Anaheim Street &
1401 San Francisco Avenue
Long Beach, CA 90813

Inquiry Number: 6052641.4

April 29, 2020

EDR Historical Topo Map Report

with QuadMatch™



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Historical Topo Map Report

04/29/20

Site Name:

929 West Anaheim Street &
1401 San Francisco Avenue
Long Beach, CA 90813
EDR Inquiry # 6052641.4

Client Name:

SCS Engineers
3900 Kilroy Airport Way
Long Beach, CA 90806
Contact: Kim Braun



EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by SCS Engineers were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDR's Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:**Coordinates:**

P.O.#	NA	Latitude:	33.783998 33° 47' 2" North
Project:	01210161.12 Task 3	Longitude:	-118.203777 -118° 12' 14" West
		UTM Zone:	Zone 11 North
		UTM X Meters:	388550.06
		UTM Y Meters:	3738857.61
		Elevation:	12.96' above sea level

Maps Provided:

2012	1925
1981	1923
1972	1902
1964	1899
1949	1896
1947	
1943	
1942	

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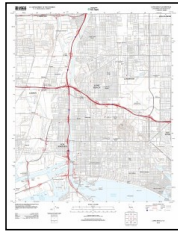
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Topo Sheet Key

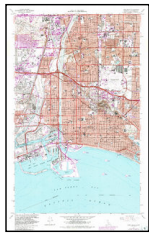
This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2012 Source Sheets



Long Beach
2012
7.5-minute, 24000

1981 Source Sheets



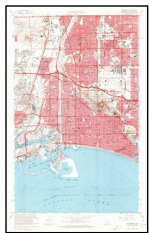
Long Beach
1981
7.5-minute, 24000
Aerial Photo Revised 1978

1972 Source Sheets



Long Beach
1972
7.5-minute, 24000
Aerial Photo Revised 1972

1964 Source Sheets



Long Beach
1964
7.5-minute, 24000
Aerial Photo Revised 1963

Topo Sheet Key

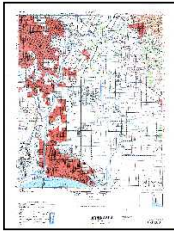
This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1949 Source Sheets



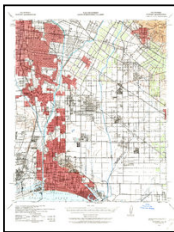
Long Beach
1949
7.5-minute, 24000

1947 Source Sheets



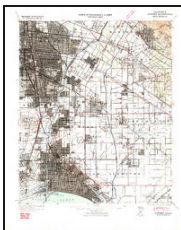
DOWNEY
1947
15-minute, 50000

1943 Source Sheets



Downey
1943
15-minute, 62500
Aerial Photo Revised 1939

1942 Source Sheets



Downey
1942
15-minute, 62500

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1925 Source Sheets



Long Beach
1925
7.5-minute, 24000



Wilmington
1925
7.5-minute, 24000



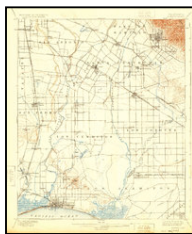
Clearwater
1925
7.5-minute, 24000

1923 Source Sheets



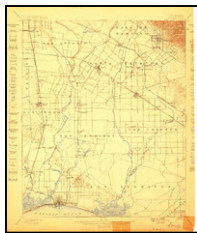
Wilmington
1923
7.5-minute, 24000

1902 Source Sheets



Downey
1902
15-minute, 62500

1899 Source Sheets

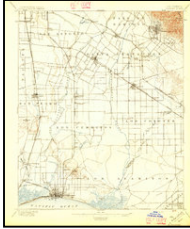


Downey
1899
15-minute, 62500

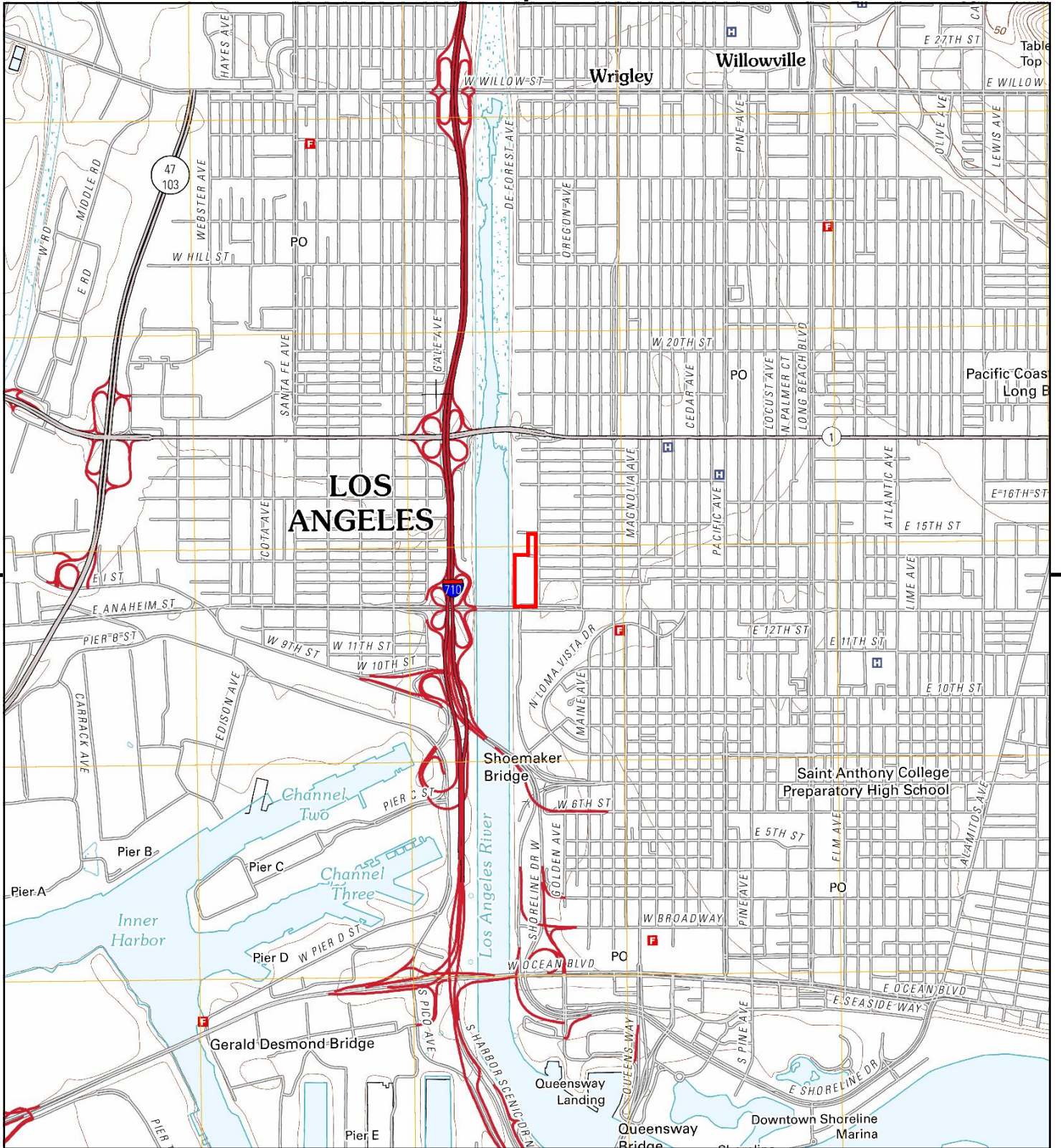
Topo Sheet Key

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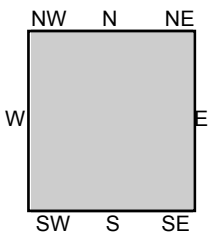
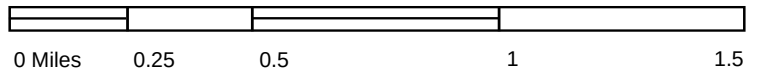
1896 Source Sheets



Downey
1896
15-minute, 62500



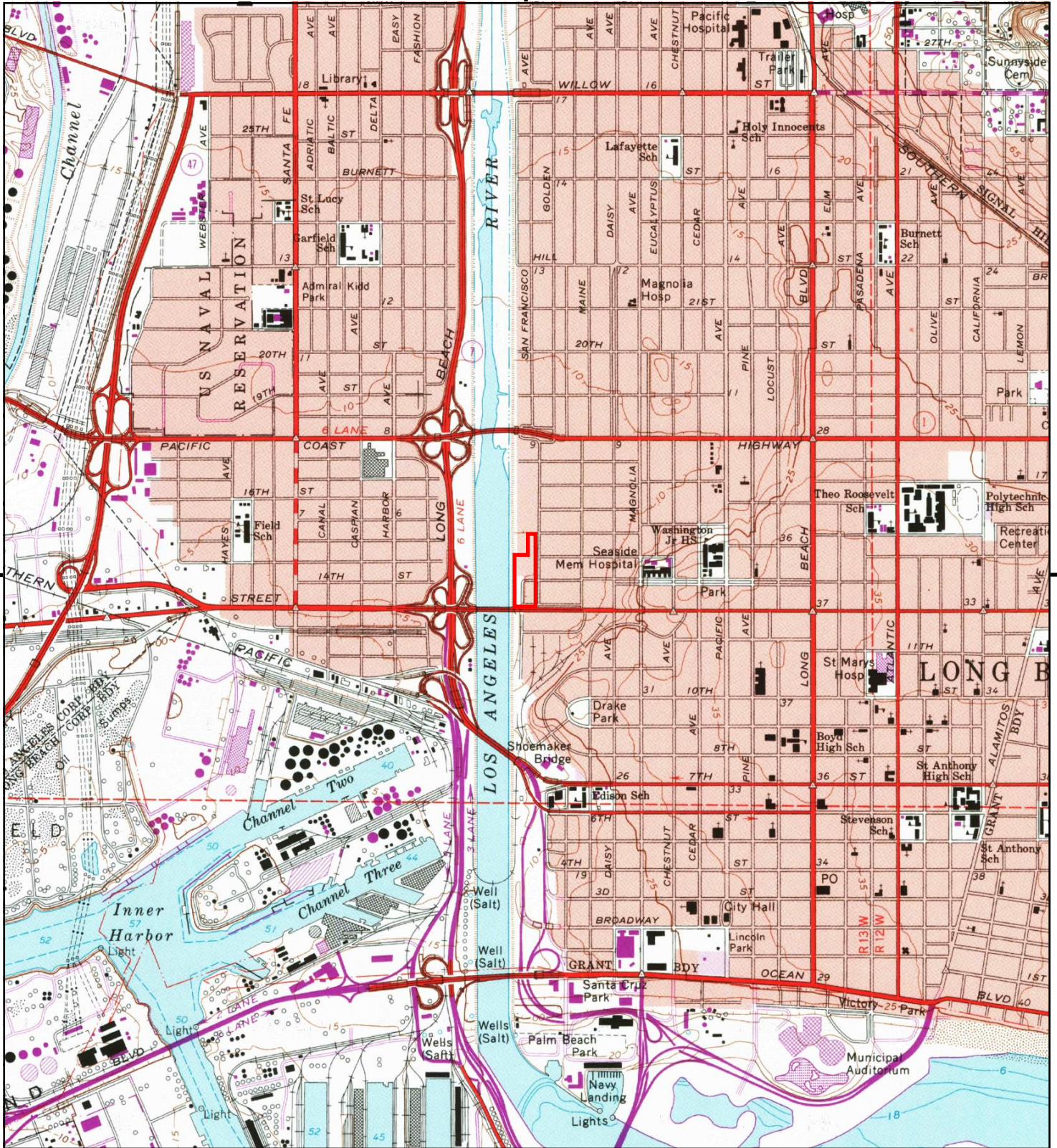
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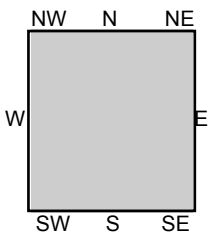
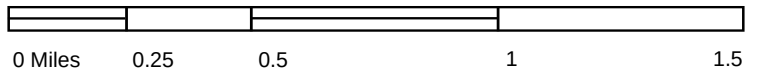
TP, Long Beach, 2012, 7.5-minute

SITE NAME: 929 West Anaheim Street &
ADDRESS: 1401 San Francisco Avenue
Long Beach, CA 90813
CLIENT: SCS Engineers





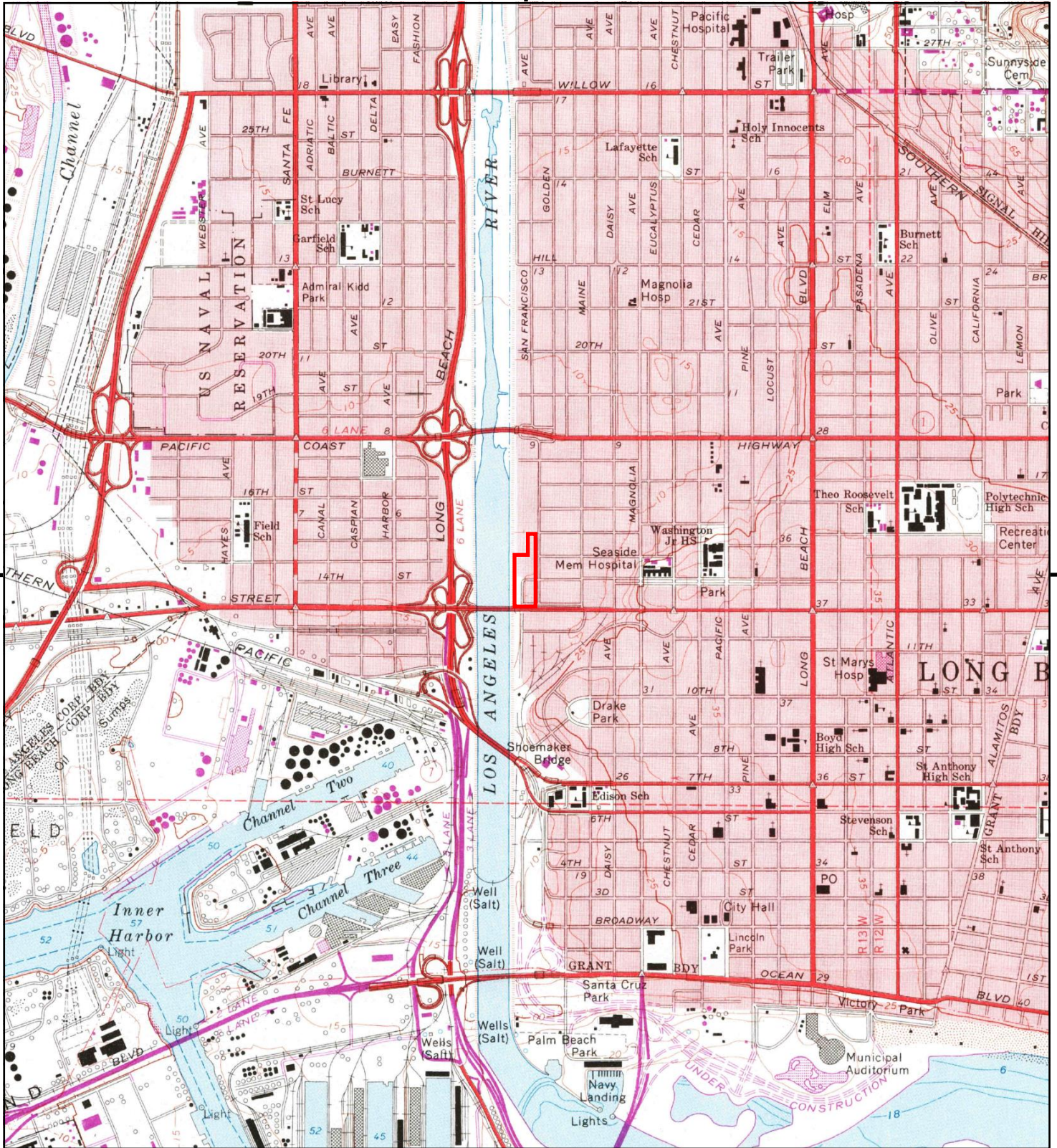
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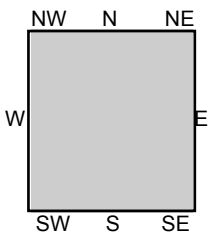
TP, Long Beach, 1981, 7.5-minute

SITE NAME: 929 West Anaheim Street &
ADDRESS: 1401 San Francisco Avenue
Long Beach, CA 90813
CLIENT: SCS Engineers





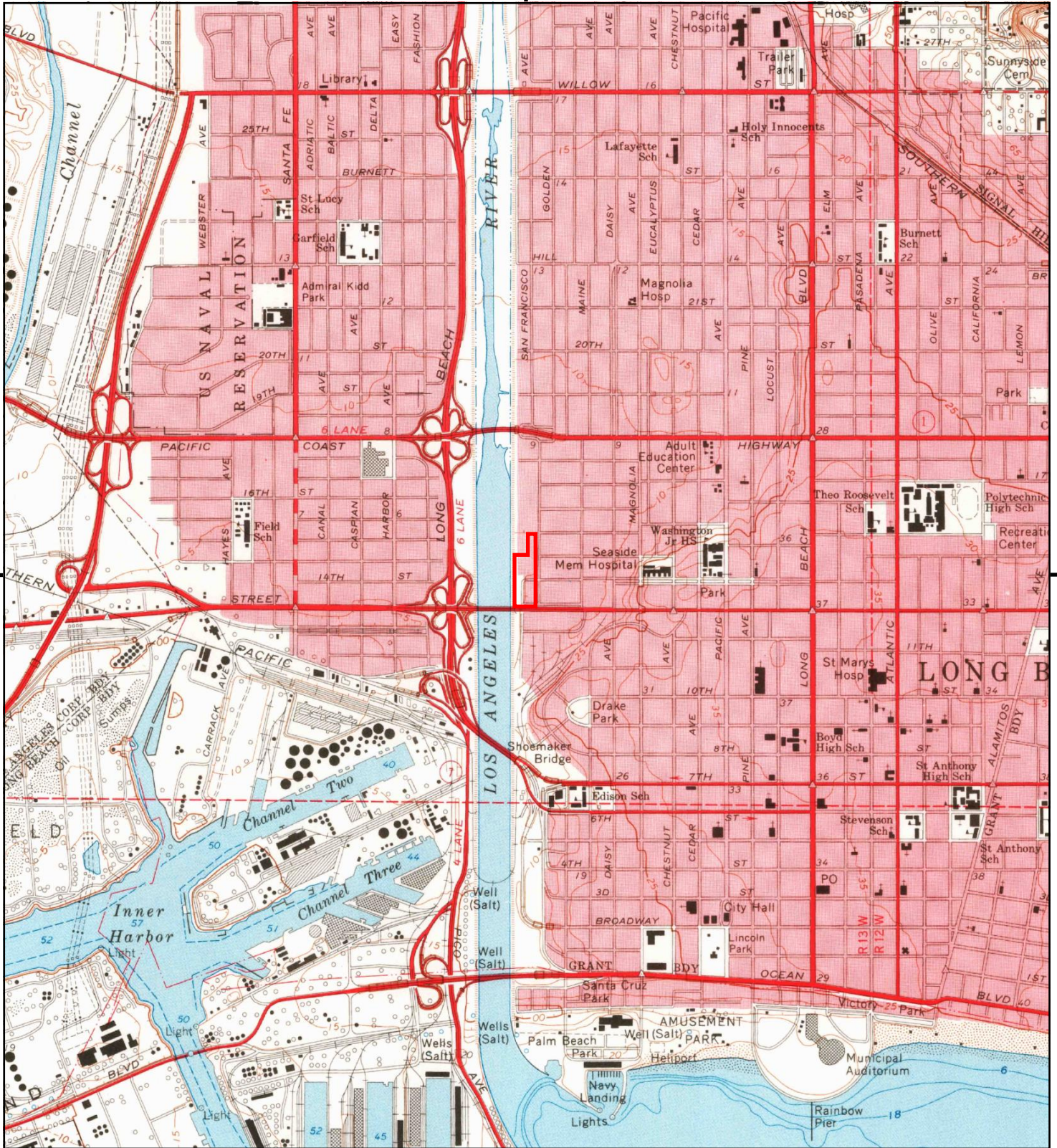
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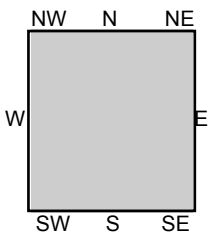
TP, Long Beach, 1972, 7.5-minute

SITE NAME: 929 West Anaheim Street &
ADDRESS: 1401 San Francisco Avenue
Long Beach, CA 90813
CLIENT: SCS Engineers





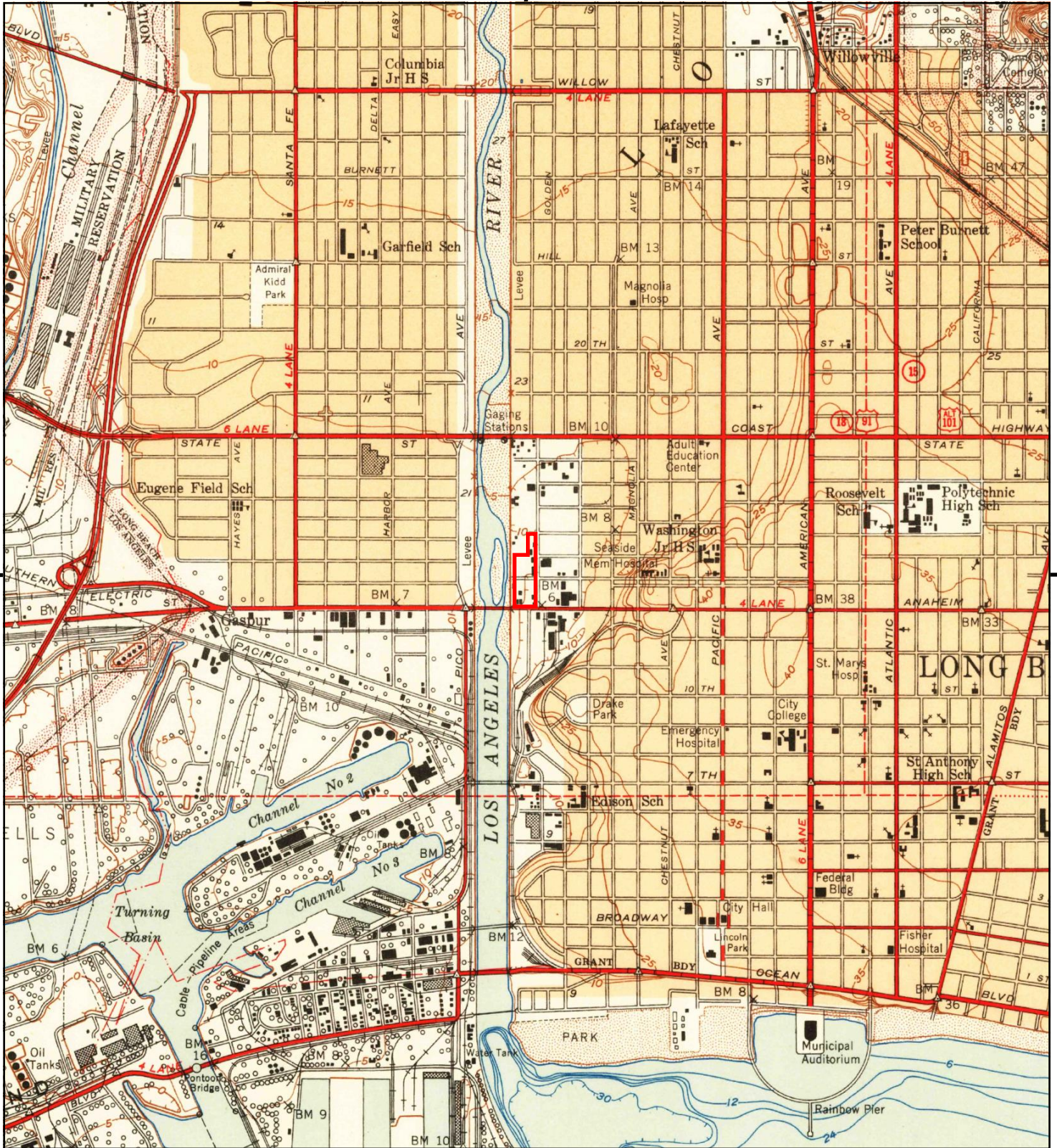
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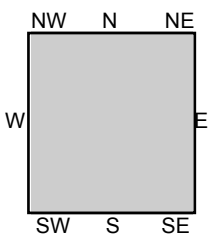
TP, Long Beach, 1964, 7.5-minute

SITE NAME: 929 West Anaheim Street &
ADDRESS: 1401 San Francisco Avenue
Long Beach, CA 90813
CLIENT: SCS Engineers





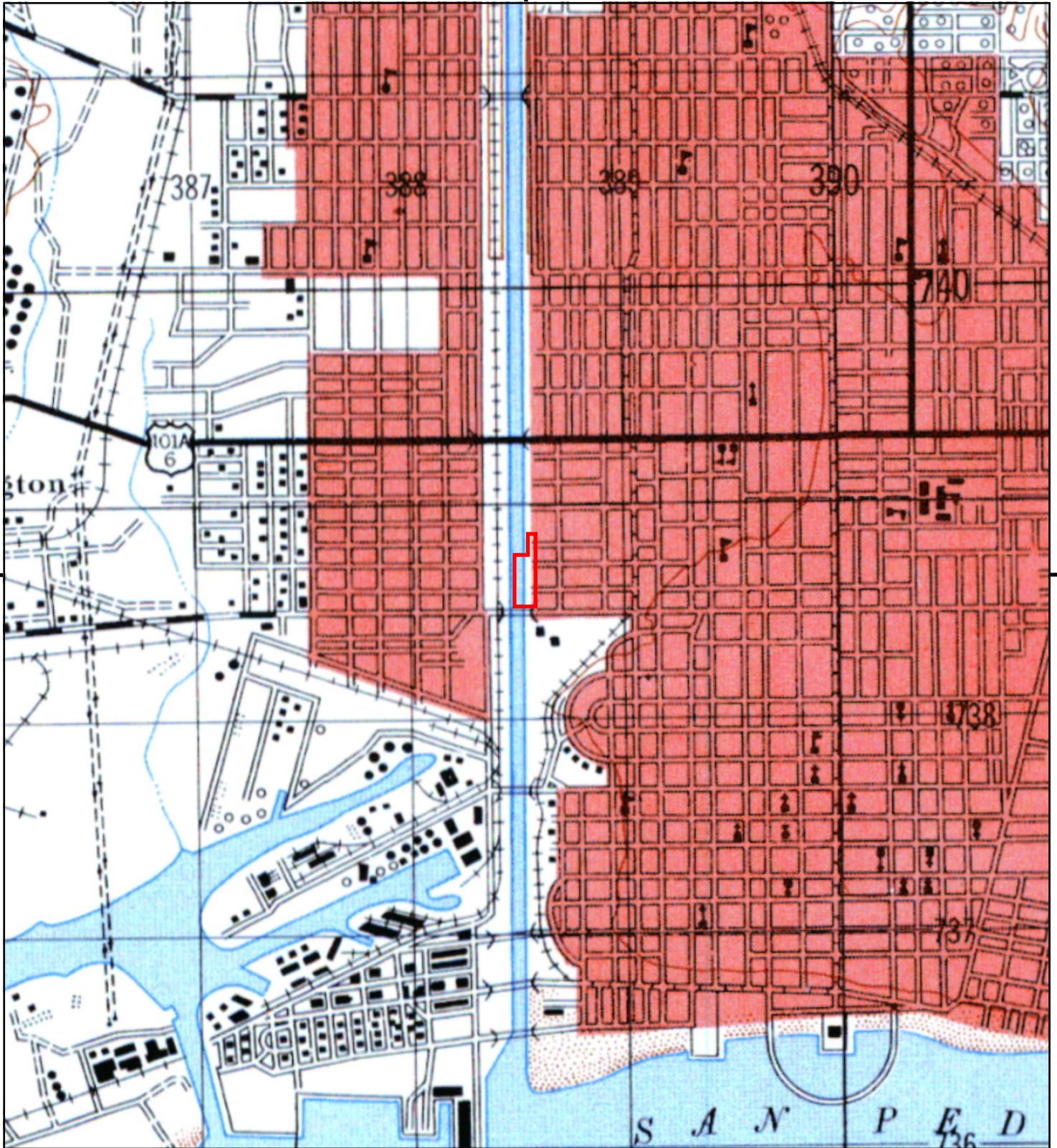
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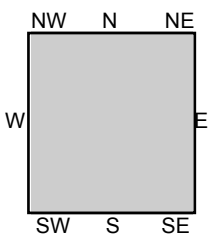
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CLIENT: SCS Engineers





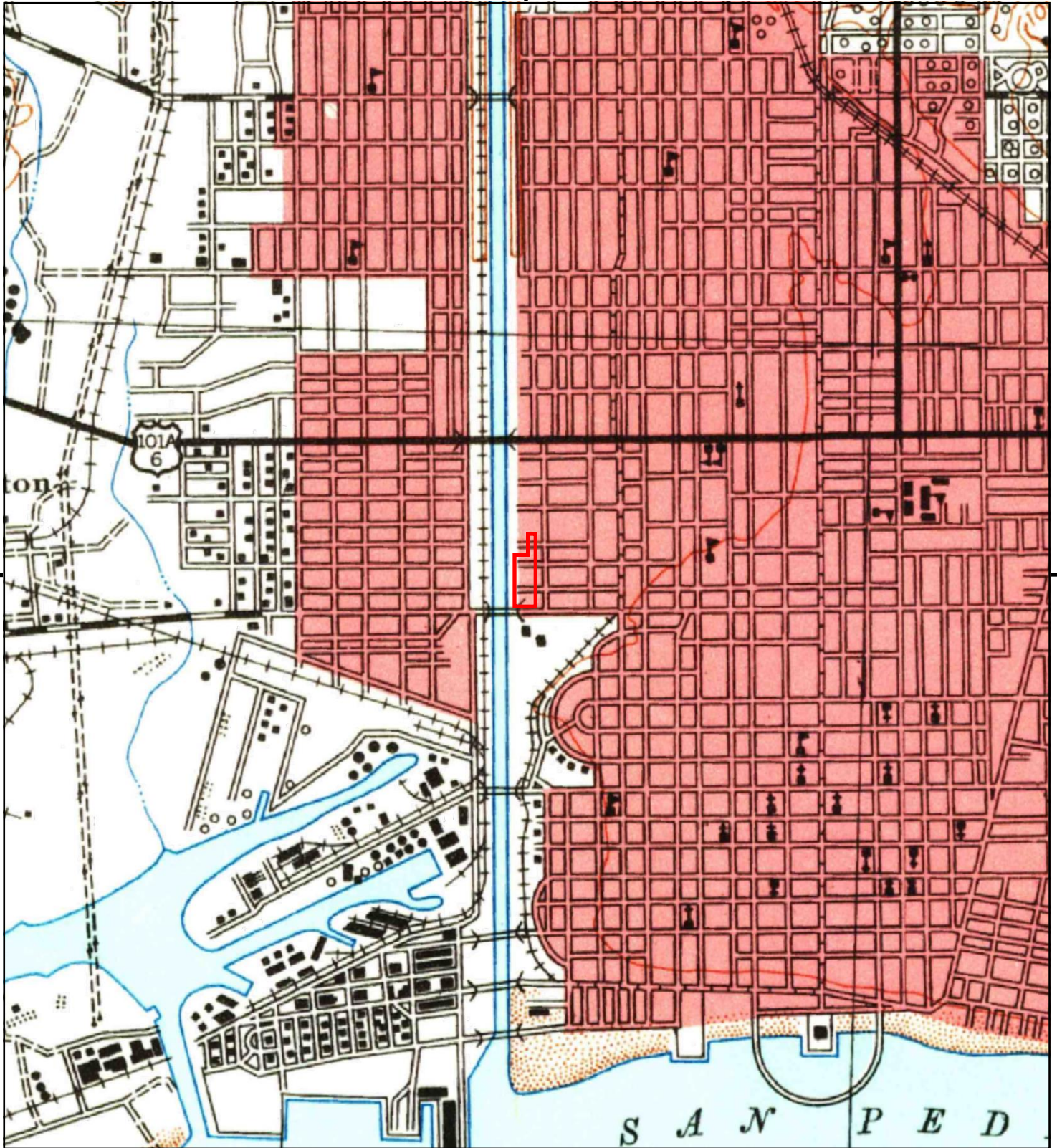
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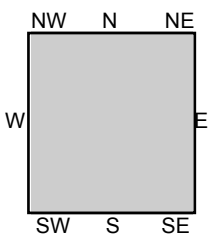
TP, DOWNEY, 1947, 15-minute

SITE NAME: 929 West Anaheim Street &
ADDRESS: 1401 San Francisco Avenue
Long Beach, CA 90813
CLIENT: SCS Engineers





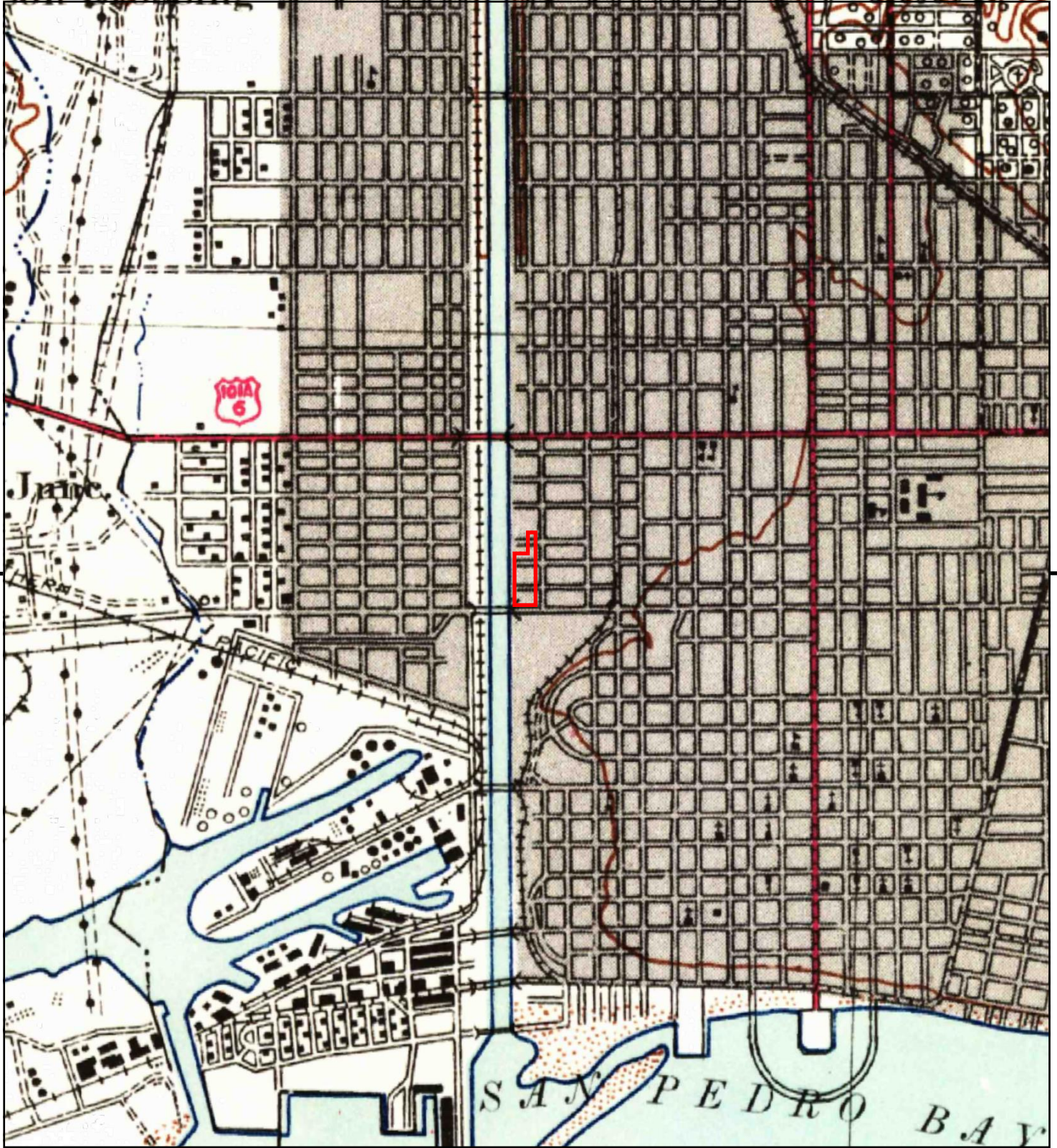
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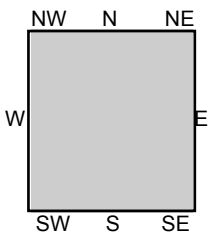
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ADDRESS: 1401 San Francisco Avenue
Long Beach, CA 90813
CLIENT: SCS Engineers





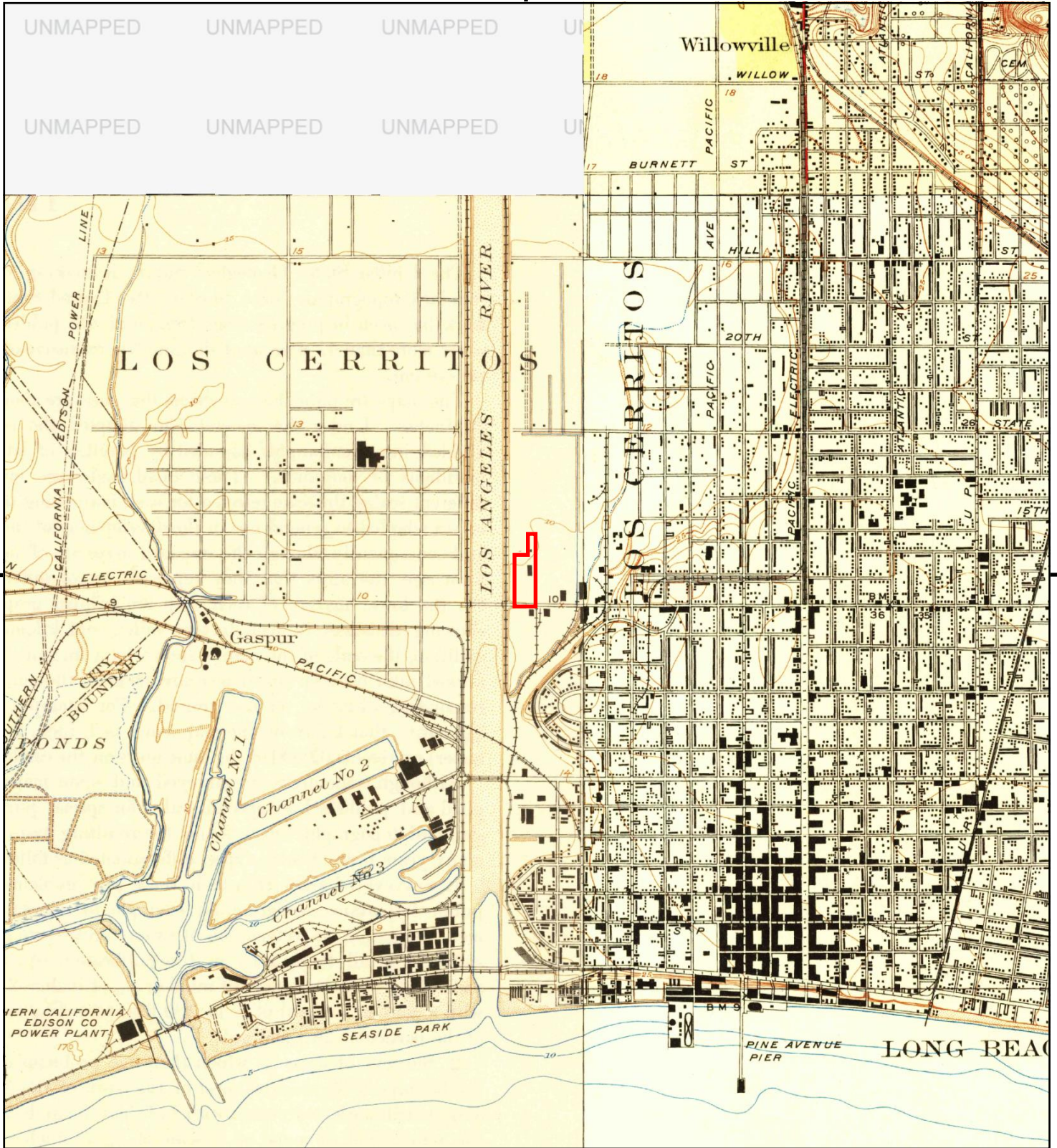
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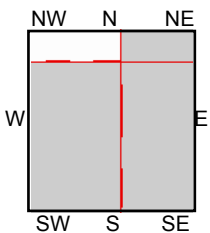
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ADDRESS: 1401 San Francisco Avenue
Long Beach, CA 90813
CLIENT: SCS Engineers





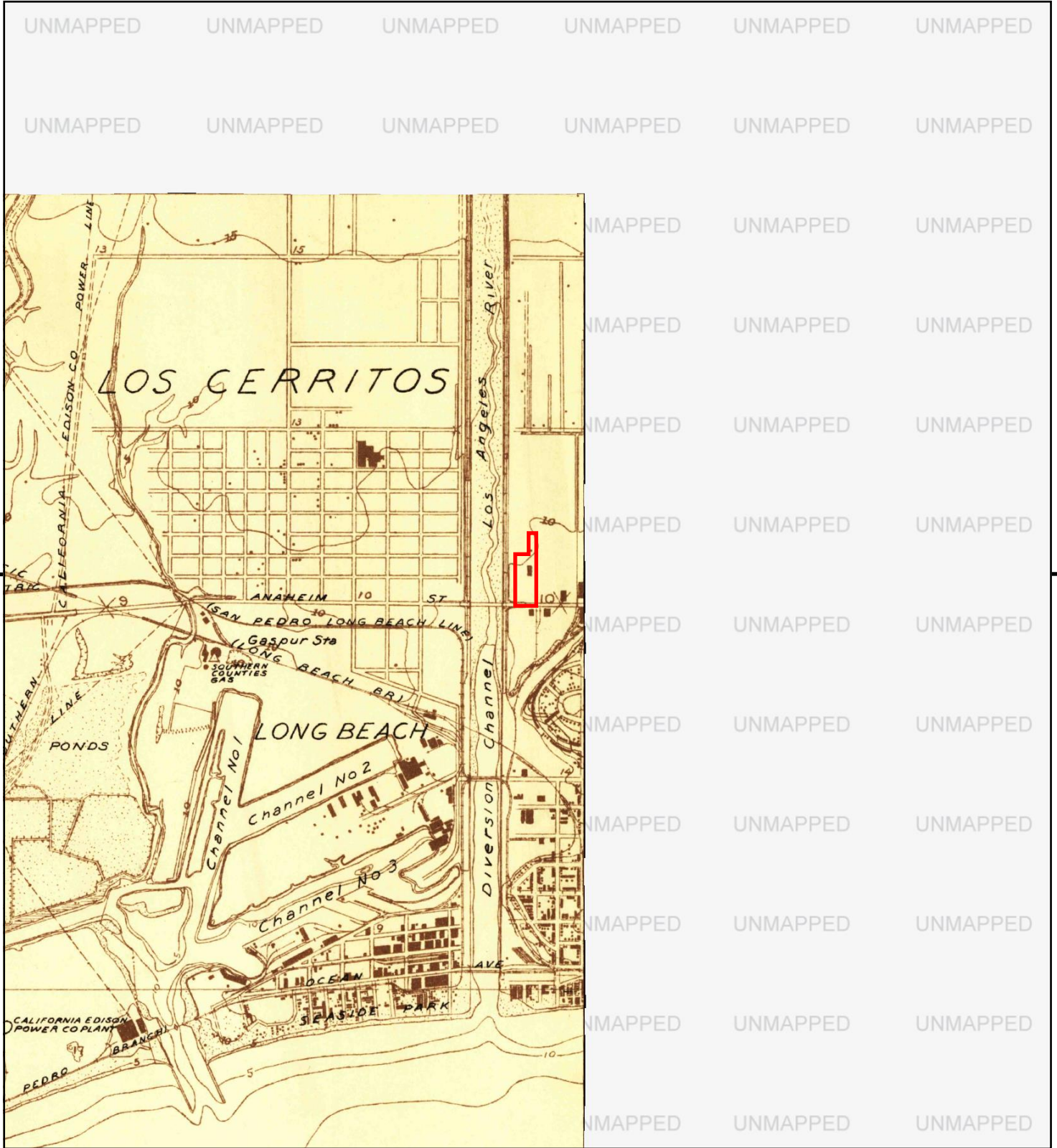
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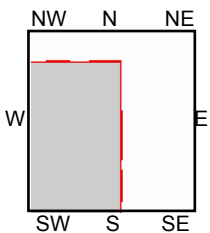
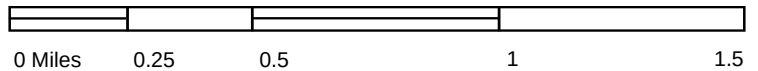
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NE, Clearwater, 1925, 7.5-minute
E, Long Beach, 1925, 7.5-minute

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ADDRESS: 1401 San Francisco Avenue
Long Beach, CA 90813
CLIENT: SCS Engineers





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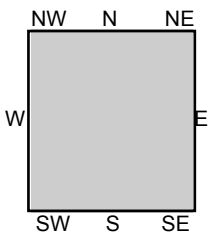
TP, Wilmington, 1923, 7.5-minute

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 ADDRESS: 1401 San Francisco Avenue
 Long Beach, CA 90813
 CLIENT: SCS Engineers





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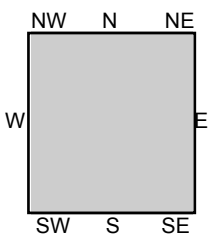
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ADDRESS: 1401 San Francisco Avenue
Long Beach, CA 90813
CLIENT: SCS Engineers





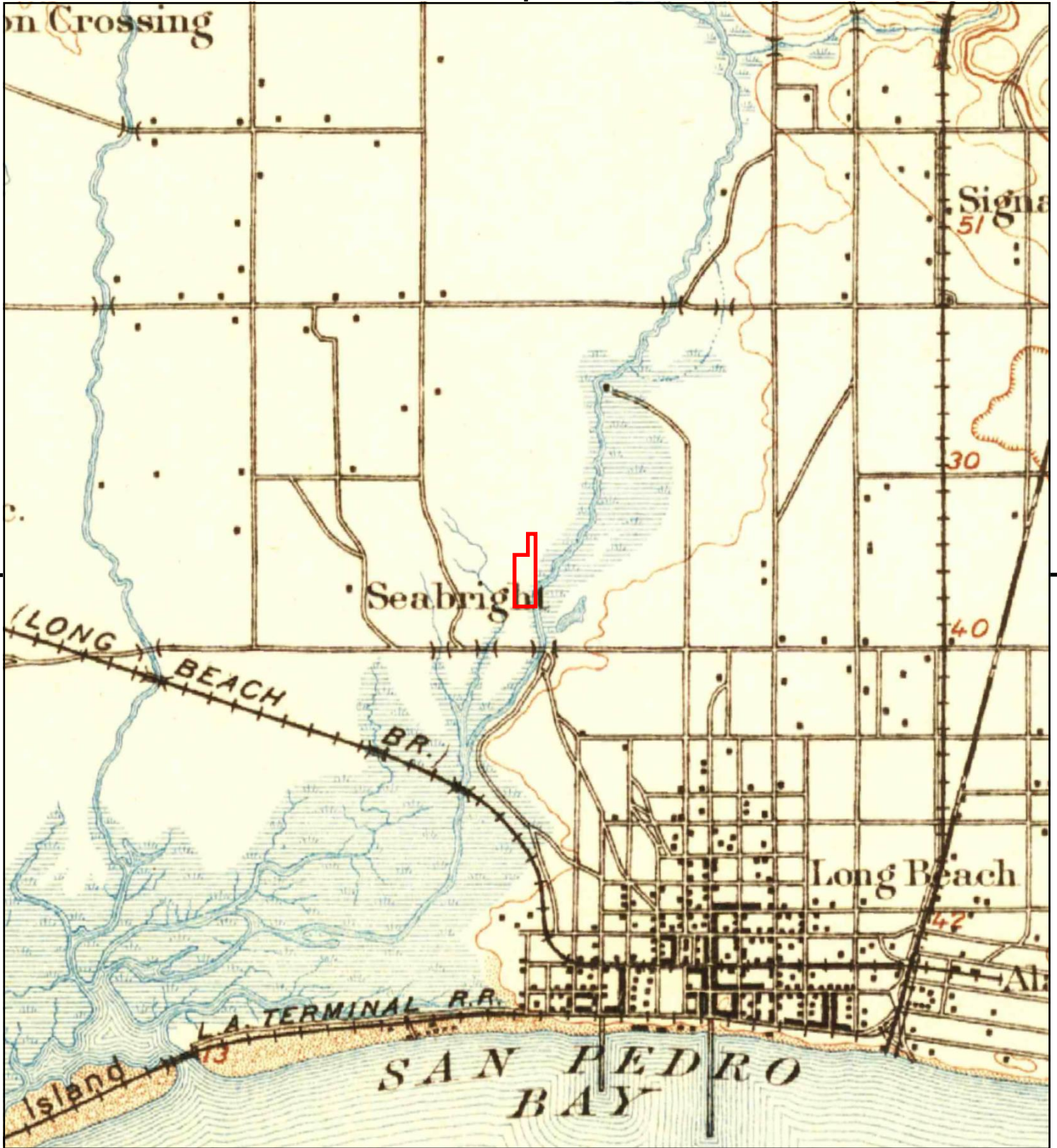
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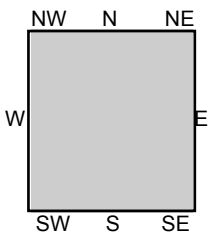
TP, Downey, 1899, 15-minute

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ADDRESS: 1401 San Francisco Avenue
Long Beach, CA 90813
CLIENT: SCS Engineers





This report includes information from the following map sheet(s).



TP, Downey, 1896, 15-minute

SITE NAME: 929 West Anaheim Street &
ADDRESS: 1401 San Francisco Avenue
Long Beach, CA 90813
CLIENT: SCS Engineers





929 West Anaheim Street &
1401 San Francisco Avenue
Long Beach, CA 90813

Inquiry Number: 6052641.3

April 30, 2020

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04/30/20

Site Name:

929 West Anaheim Street &
1401 San Francisco Avenue
Long Beach, CA 90813
EDR Inquiry # 6052641.3

Client Name:

SCS Engineers
3900 Kilroy Airport Way
Long Beach, CA 90806
Contact: Kim Braun



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Project 01210161.12 Task 3

Maps Provided:

1963

1950



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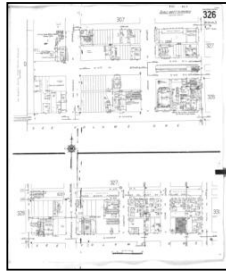
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1950 Source Sheets



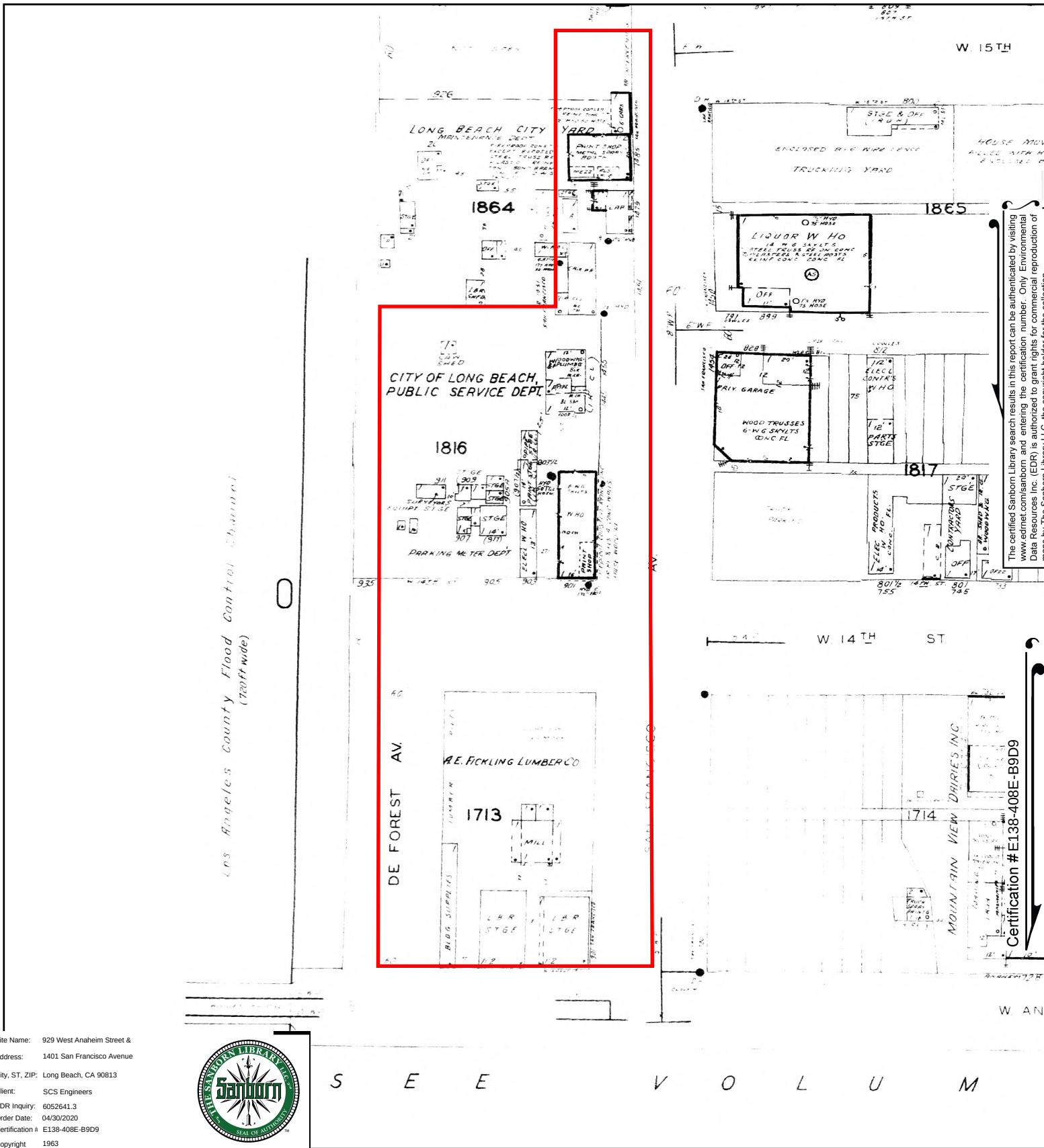
Volume 1, Sheet 16
1950



Volume 3, Sheet 326
1950



Volume 3, Sheet 307
1950



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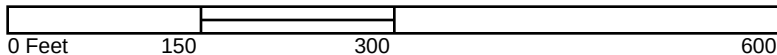
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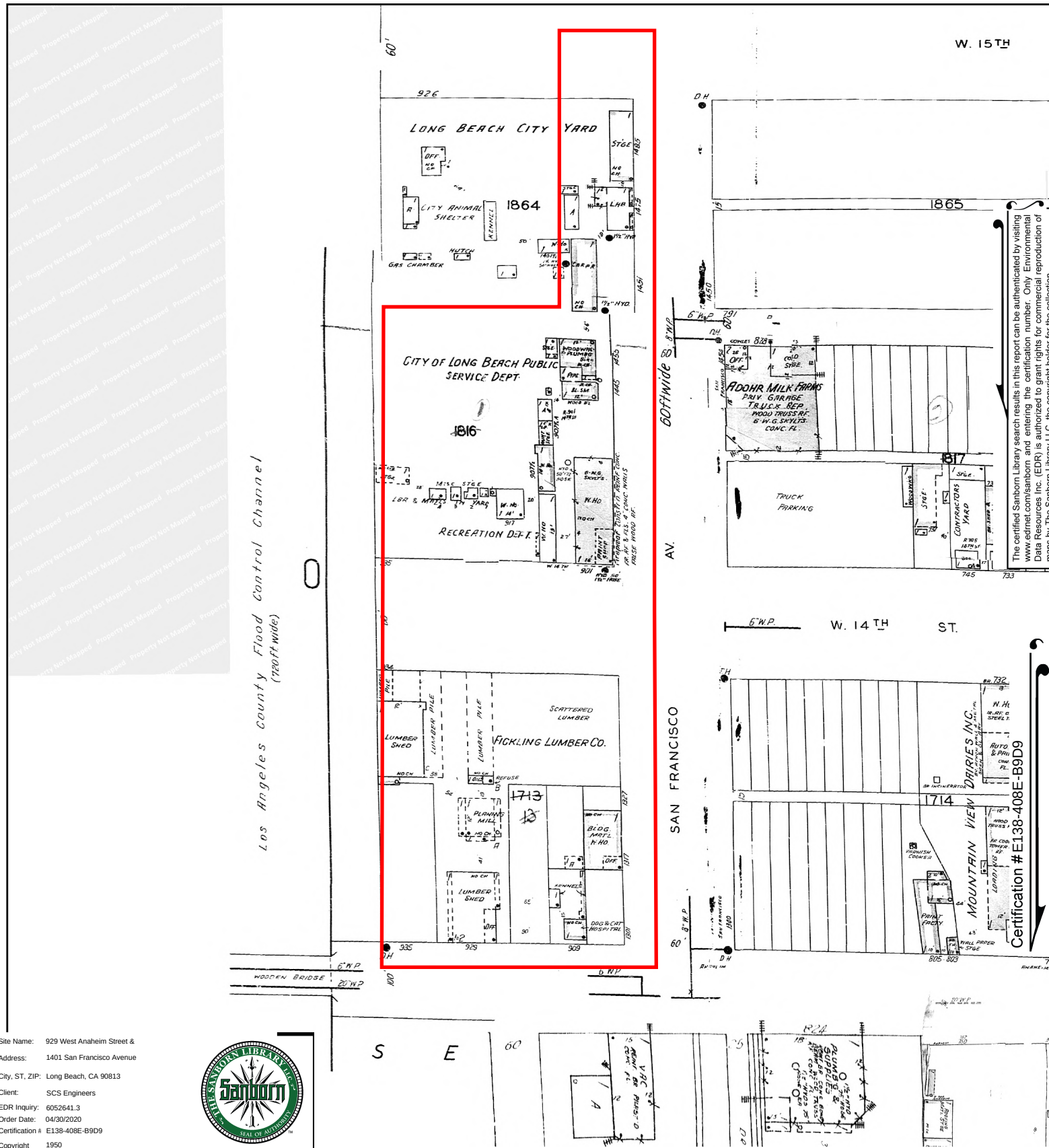
Site Name: 929 West Anaheim Street &
Address: 1401 San Francisco Avenue
City, ST, ZIP: Long Beach, CA 90813
Client: SCS Engineers
EDR Inquiry: 6052641.3
Order Date: 04/30/2020
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S E E V O L U M

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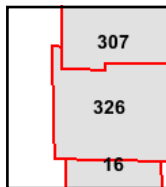




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 Address: 1401 San Francisco Avenue
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 Outlined areas indicate map sheets within the collection.



Volume 3, Sheet 307
 Volume 3, Sheet 326
 Volume 1, Sheet 16

0 Feet 150 300 600





Appendix D

Previous Environmental Reports

LIMITED PHASE II ENVIRONMENTAL SITE ASSESSMENT
Potential O'Reilly Site – Fresno (F12)
2580 S. Elm Avenue
Fresno, California 93706

EXECUTIVE SUMMARY

ATC performed a Limited Phase II ESA of a Property referred to as the Potential O'Reilly Site – Fresno (F12) located at 2580 S. Elm Avenue, Fresno, California 95351 (the "Property"). The Limited Phase II ESA included subsurface investigation activities conducted on January 3 and February 8, 2018 by ATC (and ATC's sub-contractors). The purpose of the Limited Phase II ESA activities was to assess potential subsurface impact to the Property from *recognized environmental conditions* discussed below.

Background

ATC completed a Phase I ESA of the Property, dated November 28, 2017. The review of historical sources identified the historical presence of a gasoline station on the Property and was considered a *recognized environmental condition*. Based on findings in the Phase I ESA, ATC recommended a geophysical survey and a subsurface investigation to evaluate potential impact from USTs or other former activities reported for the Property.

Limited Phase II Environmental Site Assessment

A Limited Phase II ESA was performed on the Property on February 8, 2018 to collect soil samples to document if potential impact exists to the Property.

The obtained soil analytical results, for an applicable comparison criterion, were compared to the California Environmental Screening Levels for the Commercial/Industrial Scenario.

Soil

The soil analytical results indicated did not identify any detectable concentrations of Volatile Organic Compounds (VOCs), Gasoline Range Organics (GRO), or Total Extractable Petroleum Hydrocarbons (TEPH) as diesel. TEPH as motor oil was detected in the soil sample collected from ATC-2 at a depth of 10 feet bgs.

Nine of the CAM 17 metals were detected in the soil samples collected, but only arsenic concentrations exceeded California Environmental Screening Levels for the Commercial/Industrial scenario. The metals that were reported in the soil samples were generally uniform in detection and concentration. It appears that the arsenic did not come from activity occurring at the surface but is naturally occurring.

Recommendations

Historical hydrocarbon impact on the Property cannot be ruled out based on the data gathered for this Limited Phase II ESA. Hydrocarbon impacted soil was reported beneath the Property on in the suspected former excavation area (ATC-2). Impact was not reported in soils from the other locations across the Property. Since impacted soil was not encountered elsewhere on the Property, it is likely that any impact from the former gasoline service station activities were limited.

ATC recommends no further investigation at this time.

**PHASE I ENVIRONMENTAL ASSESSMENT
LONG BEACH PUBLIC SERVICE YARD
SAN FRANCISCO AVENUE – 7 APNS
LONG BEACH, CALIFORNIA**

Prepared for:

City Attorney of the City of Long Beach
c/o Overland, Pacific & Cutler, Inc.
100 West Broadway, Suite 500
Long Beach, CA 90802
(562) 431-6789

Prepared by:

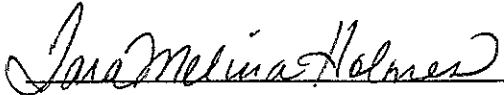
SCS Engineers
3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806
(562) 426-9544

February 22, 2005

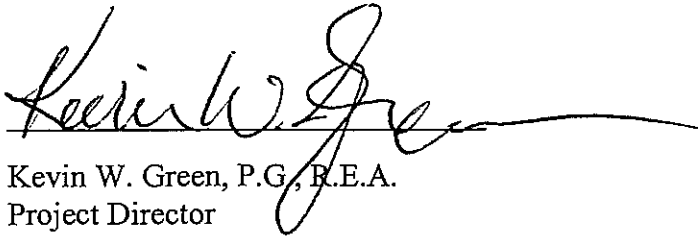
File No. 01204007.01



This Phase I Environmental Assessment Report for the Long Beach Public Service Yard located at various addresses along San Francisco Avenue (APNs 7271-017-900, 7271-016-900, 7271-012-901, 7271-012-900, 7271-011-900, 7271-008-900, and 7271-007-902), in Long Beach, California, dated February 22, 2005, was prepared by Tara Holmes and reviewed by Kevin Green.



Tara M. Holmes
Staff Scientist



Kevin W. Green, P.G., R.E.A.
Project Director
SCS ENGINEERS

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- 3 – Aerial Photograph 1994
- 4 – Map of Areas of Environmental Concern Southern Portion of Property
- 5 – Map of Areas of Environmental Concern Northern Portion of Property

B Sketch Map and Photographs

C Historical Site Use Information (Building Permits, Aerial Photographs, and Sanborn Maps, Waste Manifests, Etc.)

D Oil & Gas [DOGGER] and Landfill Maps

E Regulatory Agency File Review Information (LB Fire Department, DHHS and RWQCB Records)

F EDR Database Summary Report (See CD insert for Complete Report)

G Resumes of Project Personnel

EXECUTIVE SUMMARY

SCS Engineers (SCS) was retained by Overland, Pacific & Cutler, Inc. on behalf of the City Attorney of the City of Long Beach to prepare a Phase I Environmental Assessment of the Long Beach Service Yard (APNs 7271-017-900, 7271-016-900, 7271-012-901, 7271-012-900, 7271-011-900, 7271-008-900, and 7271-007-902) in Long Beach, California (the "Property"). This assessment was performed in general conformance with ASTM requirements for Phase I Assessments (ASTM E1527-00).

Based on the scope of work performed, SCS finds the following:

- The Long Beach Service Yard consists of seven rectangular Los Angeles County Tax Assessor's Parcels that total approximately 689,913 square feet in area. The Property is located west of San Francisco Avenue and east of the Los Angeles River between Pacific Coast Highway and Anaheim Street in Long Beach, California. The six southern-most parcels of the Property are contiguous and include the intervening street rights-of-way, which have been incorporated into the Public Service Yard. The northern-most parcel (940 Pacific Coast Highway, APN 7271-017-900) is located on the north side of the adjacent city block, approximately 200 feet north of the other parcels.
- The Property is presently utilized for various operations performed by Long Beach Public Services (e.g. traffic management, street maintenance, and landscaping). The Property is occupied by 24 buildings, eight storage sheds, a carwash, two clarifiers, a fueling station with underground storage tanks of diesel and gasoline, four gravel bays, two aboveground tar emulsion tanks, an aboveground propane tank and several hazardous materials storage areas. The area surrounding the structures is paved, and the large open areas of the Property are utilized for storage and parking. The two clarifiers, which are utilized at a vehicle washing station and a paint equipment cleaning station, the paint spray booth and the hazardous materials storage areas are considered Recognized Environmental Concerns.
- Historical information indicates that portions of the Property were initially developed for commercial use as early as 1926, and have been used for commercial or industrial purposes since that time. Superior Laundry was identified in city directories on the Property in 1926. A veterinarian and kennels occupied a portion of the Property from at least 1929 through 1948. Lumber and building material companies (Fickling and Blue Diamond) occupied part of the Property from at least 1932 until the early 1980s, when records indicate that a portion of the Property was redeveloped with the City of Long Beach Tow Yard. The city tow yard was in operation until 1999; and that portion of the Property has been used for equipment and vehicle storage since that time. At least a portion of the Property appears to have been utilized by the City of Long Beach, as a "municipal garage," since as early as 1926. Various other city operations, such as a chemical laboratory and a machine shop have existed on the Property from as early as 1940 to present. The southwestern portion of the Property was occupied by De Forest

Avenue in 1963 and possibly as early as 1953 or earlier. City Tow Yard personnel indicated that the western portion of the Property, somewhat elevated with respect to the rest of the Property, is likely fill material, which may contain debris from the 1933 earthquake.

- Superior Laundry was identified on the Property at 1317 San Francisco Avenue in 1926. It is possible that this laundry conducted dry cleaning operations. Any dry cleaning operation in the 1920s would very likely have used a petroleum-based solvent (gasoline or Stoddard), and dry cleaning operations using petroleum products were, in SCS's experience, unlikely to have resulted in any significant environmental impact to the parcels they occupy. In summary, the presence of a "laundry" or possible dry cleaning operation in 1926 does not represent an environmental concern for the Property.
- Observations during the site inspection indicate that adjacent properties are currently occupied by: Long Beach Garage Door Co., Hydraulic and Automation Controls Co., The Food Bank of Southern California (and associated parking lot), 7-Strand, Ready Storage, BCIA Precision Casting, Graybar Distributor of Electrical and Comm/Data Products, Long Beach Seafood Co. Wholesale Outlet, Mylo's Custom Auto Body, Tacoma Express Inc., Truck Parking, Riley Marine Products, Goodwill (and associated parking lots), and Ocean Blue Environmental Services. No obvious recognized environmental concerns for the Property were identified on these adjacent sites.
- Regulatory database information identified the Property on the HAZNET, Cortese, LUST, RCRIS-SQG, FINDS, SWF/LF, EMI, and UST databases. The Cortese, LUST and UST database listings appear to relate to the current and historic UST operations, removals and cleanups. Other EDR report information indicated that wastes such as organic solids, oil-containing wastes, aqueous solutions with organic residues, asbestos containing waste, unspecified solvent mixture waste, and waste oil and mixed oil, were used on the Property. Additionally, the database report indicated that a transfer station operation formerly existed on the Property.
- Long Beach Fire Department information indicated that there are two 12,000-gallon USTs are currently in use, one gasoline and one diesel. These tanks are located on parcel 7271-008-900, between Cowles and 14th Street. At this time, there is no evidence in LBFD records that leaks or spills have occurred from these USTs.
- Historic on-site USTs included the following:
 1. 10,000-gallon unleaded gasoline, reportedly installed in 1966 and removed in January 1999. Regulatory closure received from Long Beach/Signal Hill Joint Powers Agency (JPA) in the "No Further Action" Letter dated March 25, 1999.
 2. 10,000-gallon diesel, reportedly installed on November 5, 1959 and removed in January 1999. Regulatory closure received from the JPA in the "No Further Action" Letter dated March 25, 1999.

3. 1,000-gallon unused UST, originally meant for solvent/kerosene, installed on July 19, 1988 and removed in January 1999. Regulatory closure received from JPA in the “No Further Action” Letter dated March 25, 1999.
4. 500-gallon kerosene UST, removed in July 1988. The location of this UST was at the southwest corner of San Francisco Avenue and Esther Street. One undertank soil sample contained 16,000 parts per million of hydrocarbons. A note dated March 25, 1999 on the City of Long Beach Environmental Health Underground Tank Program Tracking System summary states:

“Based on present closure guidance for low risk fuel contamination site fact sheet issued by the California Regional WQCB, Los Angeles Region, this site is low risk therefore no further action is required.”

Based on this information, no remediation of impacted soils was conducted.

5. 550-gallon gasoline UST – An “UST Unauthorized Release (Leak)/Contamination Site Report” dated May 29, 1996 indicated that on August 30, 1995 it was discovered that an unknown quantity of gasoline leaked from a 30 plus year old UST at 901 West Anaheim Street. This UST was removed by Maness Environmental on August 30, 1995, from a located in the 14th Street right-of-way 146 feet west of San Francisco Avenue and immediately north of the Tow Yard at 901 Anaheim. Soil and groundwater impacts were confirmed in investigations of the area. In a letter dated April 2, 2001, DHHS referred this case to the RWQCB. The Reynolds Group (TRG) prepared a workplan dated November 15, 2001 which was submitted to the RWQCB. The TRG Workplan was approved by the RWQCB in a letter dated February 19, 2002. No other information regarding this site was available in regulatory files.

The following records may be related to one or more of the USTs discussed above, or may be related to other historic USTs on the Property:

- Motor Oil UST – An UST Unauthorized Release (Leak)/Contamination Site Report dated August 4, 1995 indicated that 110 gallons of new motor oil were spilled from piping at 1725 San Francisco. No additional information regarding the location, investigation or regulatory status of this “unauthorized release” was identified in LBFD records.
- 10,000-gallon diesel UST – A “Flammable Liquids Permit,” issued on January 10, 1969, for the Public Service Yard at 1725 San Francisco Street, indicated that a 10,000-gallon diesel UST was to be installed on the Property. The permit also indicated that including this tank; there were a total of two tanks (with 20,000-gallons of capacity) and one pump at this address. Another permit application for a 10,000-gallon diesel fuel UST, for the City Public Service Yard at 1725 San Francisco Avenue, was approved on March 29, 1976; this permit may be related to an existing UST. No further information was found regarding the location or disposition of these tanks. Either or both of these records may



be related to the diesel UST removed by McLaren Hart in 1999. However, there is a discrepancy with regard to the installation date; the 10,000-gallon UST removed by McLaren Hart was reportedly installed in November 1959.

- Gasoline UST – A sketch map dated September 20, 1979 was identified with the address of 1601 San Francisco Avenue. Notes on the map indicated that this was a City of Long Beach project related to the installation of vapor recovery line for an existing gasoline tank. No further information related to this tank was identified. No details were present on the map to indicate the size or location of the tank. This record may be related to the 550-gallon gasoline UST at 901 Anaheim, or the 10,000-gallon unleaded gasoline located at 1725 San Francisco, reportedly installed in 1966 and removed in January 1999.

The following additional recognized environmental conditions were identified from historical information:

- Fill Material – City personnel indicated that fill material was placed on the western portion of the Property; the source of this material is unknown, but may include debris from the 1933 earthquake. Building debris from 1933 may contain asbestos, lead-based paint, or other issues of potential environmental concern. An obvious elevated area was noted during the site inspection on the northwestern portion of parcel 7271-011-900 (between 15th and Cowles Streets).
- Possible releases of waste oils, chemicals, and solvents, may have resulted from historical operations on the Property (e.g., chemical storage and use areas, paint shop, chemical laboratory, machine shop, etc.).
- Regulatory database information also indicates that numerous sites within 0.25 miles of the Property have had releases of substances including hydrocarbons and volatile organic compounds, and groundwater in the area has been impacted. Based on this information, it is possible that impacted groundwater from these sites has migrated beneath the Property.

In summary, the only parcel with **no recognized environmental concerns** is the northern-most of the seven parcels of the Property (940 Pacific Coast Highway, APN 7271-017-900); this parcel is approximately 200 feet north of the other parcels on the north side of the adjacent city block.

The remaining parcels contain one or more areas of environmental concern as shown in Figures 4 and 5, including fill material containing debris from the 1933 earthquake and petroleum-related impacts to soil and/or groundwater from underground fuel storage tanks. Further, historic operations on these parcels have included vehicle and equipment maintenance, paint shop, chemical laboratory, landscaping departments, machine shop, etc. The locations and nature of these operations appears to be transitory, and it is possible that waste oils, various pesticides, oils, paint and solvents have spilled or leaked over the 70 plus years of operation.

In conclusion, SCS has performed a Phase I Environmental Site Assessment of the Long Beach Public Service Yard, located on seven city blocks bounded by West Anaheim to the south, San Francisco Avenue to the east, Pacific Coast Highway to the north, and the Los Angeles River Flood Control Channel to the west, in Long Beach, California, in general conformance with the scope and limitations of ASTM Practice E1527-00. Based on the recognized environmental conditions discussed above, SCS recommends further investigation.

**PHASE I ENVIRONMENTAL ASSESSMENT
LONG BEACH PUBLIC SERVICE YARD
SAN FRANCISCO AVENUE – 7 APNS
LONG BEACH, CALIFORNIA**

INTRODUCTION

SCS Engineers (SCS) was retained by Overland, Pacific & Cutler, Inc., on behalf of the City Attorney of the City of Long Beach, to prepare a Phase I Environmental Assessment of the Long Beach Service Yard which consists of seven Los Angeles County Tax Assessor's parcels (Assessor Parcel Numbers [APNs] 7271-017-900, 7271-016-900, 7271-012-901, 7271-012-900, 7271-011-900, 7271-008-900, and 7271-007-902) located west of San Francisco Avenue between Pacific Coast Highway and Anaheim Street in Long Beach, California (the "Property"). A location map for the Property is presented as Figure 1 (Appendix A). This assessment was performed in general conformance with ASTM E1527-00 guidelines for Environmental Assessment Reports.

PURPOSE

The purpose of this investigation was to identify any recognized environmental conditions as defined in ASTM Standard E1527-00:

“...the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, groundwater, or surface water of the property. The term includes hazardous substances or petroleum products even under conditions in compliance with laws. The term is not intended to include *de minimis* conditions that generally do not present a material risk of harm to public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.”

This assessment is intended to constitute an appropriate inquiry into the previous ownership and uses of the property consistent with good commercial or customary practice, as required by the innocent landowner defense under the Comprehensive Response, Compensation, and Liability Act of 1980 (CERCLA a.k.a. Superfund), the Superfund Amendments and Reauthorization Act of 1986 (SARA), and the Small Business Liability Relief and Brownfields Revitalization Act of 2002. This process satisfies one requirement to qualify for the innocent landowner defense to CERCLA liability.

SCOPE OF WORK

This Phase I Environmental Assessment is based on:



- Field observations were made during Property reconnaissance visits performed on May 24, 2004 and August 10, 2004.
- Review of federal, state, and local regulatory databases. The search distances are those specified by ASTM E1527-00.
- Review of historical Property use information (topographic maps, aerial photographs, Sanborn fire insurance maps, etc.).
- Review of regulatory records at the Los Angeles Regional Water Quality Control Board (RWQCB) and the Long Beach Department of Health and Human Services (DHHS).

SPECIAL TERMS AND CONDITIONS

Property Access

Access to the Property for the site inspection on May 24, 2004 (for APN 7271-007-902) was provided by John Hough, Special Projects Officer for the Environmental Services Bureau of the City of Long Beach.

Access to the Property for the site inspection on August 10, 2004 (for the remaining six parcels) was provided by Greg Keys, Supervisor of the Structural/Anti-Graffiti operations for the City of Long Beach Public Works Department.

Use by Third Parties

This Phase I Environmental Assessment of the Long Beach Public Service Yard located west of San Francisco Avenue and between Pacific Coast Highway and Anaheim Street (APNs 7271-017-900, 7271-016-900, 7271-012-901, 7271-012-900, 7271-011-900, 7271-008-900, and 7271-007-902) in Long Beach, California has been prepared specifically for the City Attorney for the City of Long Beach, in care of Overland, Pacific & Cutler, Inc. The report has been prepared in accordance with the care and skill generally exercised by reputable professionals, under similar circumstances, in this or similar localities. No other warranty, expressed or implied, is made as to the professional opinions presented herein. This report is not a legal opinion.

No other party, known or unknown to SCS, is intended as a beneficiary of this work product, its content or information embedded therein. Third parties use this report at their own risk. Third party reliance letters may be issued on request and upon approval of the City Attorney of the City of Long Beach, and payment of a fee for such letters. SCS assumes no responsibility for the accuracy of information obtained from, compiled or provided by third-party sources such as regulatory agency listings.

LIMITATIONS AND ASSUMPTIONS

The investigation focused on potential sources of hazardous substances or petroleum products that could be considered a recognized environmental condition and/or a liability due to their possible presence in significant concentrations (e.g., above acceptable limits set by the Federal or state government) or due to the potential for contamination migration through exposure pathways (e.g., groundwater). Materials that may contain substances that are not currently deemed hazardous by the federal or state of California EPA were not considered as part of this study.

Unless specifically included in our scope of services, formal surveys for asbestos-containing materials, lead-based paints, fire safety, indoor air quality, mold, and similar matters were not part of this assessment. The Property was not evaluated for compliance with land use, zoning, wetlands, or similar laws. This report is not intended to be an environmental compliance audit.

Hazardous substances naturally occurring in plants, soils, and rocks, (e.g., heavy metals, naturally occurring asbestos, or radon) are not typically considered in these investigations. Similarly, construction debris (e.g., discarded concrete, asphalt) is not considered to be of concern unless observations suggest that hazardous substances are likely to be present in significant concentrations.

Unless otherwise noted, sampling and laboratory analyses of soil, water, air, building materials, or other media, were not performed as part of this investigation. Positive identification of hazardous substances can only be accomplished through sampling and appropriate laboratory analysis.

SCS Engineers assumes no responsibility for the accuracy of information obtained from, compiled by, or provided by third-party sources, such as regulatory agency listings. Unless obviously inaccurate or if information exists to the contrary, SCS Engineers assumes that information collected during this environmental site assessment is accurate and correct. Unless warranted, information collected has not been independently validated as part of this assessment.

GENERAL SITE CHARACTERISTICS

Site Location

The Property is located on seven city blocks bounded by West Anaheim to the south, San Francisco Avenue to the east, Pacific Coast Highway to the north, and the Los Angeles River Flood Control Channel to the west, in Long Beach, California. The six southern-most parcels of the Property are contiguous and include the intervening street rights-of-way which have been incorporated into the Public Service Yard. The northern-most parcel (940 Pacific Coast Highway, APN 7271-017-900) is located on the north side of the adjacent city block, approximately 200 feet north of the other parcels. Assessor's parcel maps of the Property are provided as Figures 2 and 2B of Appendix A. A 1994 aerial photograph of the Property and surrounding area is provided as Figure 3.



General Site Description

The Property consists of seven rectangular Los Angeles County Tax Assessor's parcels that are occupied by 24 buildings, eight storage sheds, a carwash, two clarifiers, a fueling station with underground storage tanks of diesel and gasoline, four gravel bays, two aboveground tar emulsion tanks, and an aboveground propane tank. The area surrounding the structures is paved, and the large open areas are utilized for storage and parking. According to the Los Angeles County Tax Assessor's parcel maps, the Property consists of one northern parcel that is 133.03 feet by 102.48 feet, or approximately 13,633 square feet in area; and six contiguous southern parcels and intervening streets that combined are approximately 2,120 feet by 319 feet, or approximately 676,280 square feet in area. The total approximate area of the Property is 689,913 square feet. Although the intervening streets are not part of the parcels, they are used by the City of Long Beach as part of the Public Service Yard and are thus included in this report.

Description of Adjoining Properties

All of the land surrounding the Property (and across the adjacent streets and Los Angeles River) is a mixture of commercial and industrial uses. The closest residential properties are located approximately 200 feet to the east, across San Francisco Avenue. Sketch maps showing adjacent property use are provided in Appendix B.

ENVIRONMENTAL SETTING

Physiographic Setting

According to the U.S. Geological Survey (USGS), Long Beach (1964, photorevised 1981), California 7.5 minute topographic map, the Property is located immediately east of the Los Angeles River at an elevation of approximately five feet above mean sea level about 1.3 miles north of San Pedro Bay. Regional topography is relatively flat with a gentle slope to the west.

Geology and Soils

Geologic maps indicate that surface sediments in the area are Quaternary alluvium and coastal deposits of silt, sand, and gravel that are underlain by the late Pleistocene Lakewood Formation. The Lakewood Formation, which consists of gravel, sand, sandy silt, silt and clay with shale pebbles, extends to a depth of approximately 100 feet (California DWR, Bulletin No. 104). Sediments below the Lakewood Formation belong to the late Pleistocene San Pedro Formation.

Groundwater

The Property is located in the southern portion of the West Coast Groundwater Basin. The first groundwater aquifer in the region is within the Gage Aquifer within the Lakewood Formation. First groundwater in the vicinity of the Property is approximately 10 feet below grade (DWR,



June 1961). There are no known regional groundwater contamination problems in this area. However, shallow groundwater has locally been impacted by saltwater intrusion; therefore, it is not used as a drinking water source. Groundwater flow direction is anticipated to be generally westerly towards the Los Angeles River/Flood Control Channel adjacent to the Property. Groundwater beneath the Property is likely tidally influenced by the river in this area.

SITE INSPECTION

Inspections of the Property and the surrounding area were conducted by Kevin Green and Tara Holmes of SCS on May 24, 2004, and by Tara Holmes on August 10, 2004. Sketch maps and photographs of the Property taken during the inspections are provided in Appendix B.

A parcel-by-parcel description of the Property, from south to north, is presented in the following narrative.

Assessor's Parcel Number 7271-007-902

The southernmost parcel (APN 7271-007-902) consisted of the abandoned Long Beach City Tow Yard at 901 West Anaheim Street. The lot was largely vacant and was surfaced primarily with asphalt but included several concrete-paved areas. A long narrow single-story building was situated in the southeastern corner of the lot and extended northward along the eastern edge of this parcel. The building appeared to consist of former offices and five former garages/service bays; access to the entire building was not available.

A partial sidewalk, median, and curbs ran in a north-south direction through the western portion of the lot. Their presence, along with a storm-drain located within a curb in the southwest corner indicates that a street was formerly present on the western portion of this parcel.

At least a dozen apparently abandoned vehicles, a non-hydraulic aboveground vehicle lift, four underground storage tanks along the western edge of the parcel, and other debris, were noted during the inspection. Hydrocarbon-stained asphalt and concrete in the central and northeastern areas of this parcel were noted during the site inspection; no impact to the Property is anticipated from this surface staining.

Assessor's Parcel Number 7271-008-900

The parcel between 14th Street and Cowles Street (APN 7271-008-900) was largely paved with asphalt and occupied by two buildings, which function as storage sheds and offices, which were located on the southeastern portion of the parcel. An emergency generator trailer, a work shed, a storage shed, a car wash with a clarifier, a paint equipment cleaning area with a clarifier, a 1,000-gallon above-ground propane tank, a flammable products storage cabinet, and a gasoline/diesel fueling station with two underground storage tanks (USTs) also occupied various portions of the parcel. The undeveloped western portion of the parcel was utilized for storage of traffic posts, city artifacts, roof tiles, and various other construction-related items.

An address of 1409 San Francisco Avenue was observed on the office building farthest to the east.

Assessor's Parcel Number 7271-011-900

The parcel between Cowles Street and 15th Street (APN 7271-011-900) was occupied by eight buildings and a hazardous waste cage. The undeveloped portions of the parcel were occupied by paved parking lots. One of the buildings was an empty office building. Other buildings include one or more of the following uses: carpentry, a locksmith operation, a traffic management warehouse, electrical equipment waste storage, and a paint shop with a spray booth. Two abandoned buildings were formerly utilized for pesticide storage, and a chemical laboratory. No access was provided for the former pesticide storage building.

A fenced and locked hazardous waste storage area containing 55-gallon drums of mineral spirits was located north of the paint shop. The storage area was labeled and the drums were placed on secondary containment platforms.

Assessor's Parcel Number 7271-012-900

The parcel between 15th Street and 16th Street (APN 7271-012-900) was occupied by six buildings that were surrounded by pavement. An address of 1601 San Francisco Avenue was observed on the Administration building. One of the buildings was a vacant storage shed. Other buildings include one or more of the following uses: administration, traffic management operations, traffic management offices, electrical shop offices, computer operations, a telephone room, a plumbing office, an air conditioning office, a custodial office, a meter shop, and traffic paint operations. A storage area for traffic paints was located to the west of the traffic paint building.

Assessor's Parcel Number 7271-012-901

The parcel between 16th Street and 17th Street (APN 7271-012-901) was occupied by five buildings that were surrounded by pavement. Two of the buildings were vacant. Other building uses included a welding office, the Landscape Division offices, a training center, and a welding shop.

Assessor's Parcel Number 7271-016-900

The parcel between 17th Street and Esther Street (APN 7271-016-900) was occupied by four buildings, three storage areas, a hazardous waste storage area, four storage bays for building materials such as gravel and sand, and two aboveground tar emulsion tanks. All of the structures were surrounded by pavement. Building uses included an emergency response office, the 17th Street Pumping Station (for storm water), a Street Division office, and a chain-saw/landscape

equipment repair facility. The storage areas were utilized for Street Division supplies, such as traffic cones and barricades.

The hazardous waste storage area was occupied by five drums that contained clean oil and waste oil. The waste oil drums were stored on secondary containment platforms. Four building materials storage/loading bays were located in the northwestern corner of the lot. South of the building materials bays were two aboveground tar emulsion tanks which were enclosed by a low cinder block wall to provide secondary containment.

Another partial containment area comprised of brick was located south of the emulsion tanks. As indicated by signs for "paint thinner" and "used oil," it would appear that the area was formerly utilized for the storage of these items. No storage of hazardous materials was observed during the inspection.

A pad-mounted Southern California Edison (SCE) transformer surrounded by traffic posts was located north of the 17th Street Pumping Station.

Assessor's Parcel Number 7271-017-900

Assessor's parcel 7271-017-900 was bounded by Pacific Coast Highway to the north, a Goodwill Parking Lot to the east, Ocean Blue Environmental Services to the south, and the Los Angeles River Flood Control Channel to the west. The parcel consisted of an asphalt-paved lot that was occupied by several city work trucks and two piles of asphalt gravel. No structures were located on this parcel.

Hazardous Substances

Several hazardous substances storage areas were located on the Property. Hazardous substances identified during the site inspection included new oil, waste oil, tar emulsion, propane, paint, mineral spirits, unleaded gasoline, diesel gasoline, and various other chemicals stored in small quantities within cabinets designated for flammable materials.

Natural Drainage

Natural waterways are not currently located on the Property. The Los Angeles River Flood Control Channel is located immediately east of the Property. According to Greg Keys of the Public Works Department, the Property accumulates up to three feet of standing water during heavy rain events. Typically, runoff from the Property drains to the surrounding streets then into stormwater drains; however, a pump station was recently installed on the Property to reduce the accumulation of water during heavy rain events.

Disturbed Areas

No obvious signs of disturbed areas were noted on the Property.



Elevators and Other Hydraulic Equipment

No elevators or other hydraulic equipment were observed on the Property. A non-hydraulic lift was observed on the southern-most parcel (7271-007-902) to the north of the former garage bays.

Wells

No water supply or monitoring wells were observed on the Property.

Electrical Equipment

One Southern California Edison (SCE) pad-mounted transformer was present on the Property to the north of the 17th Street Pumping Station (APN 7271-016-900). Per Greg Keys of the Public Works Department, the transformer was installed at the same time as the pump station, which was reportedly built approximately four years ago. Sixteen pole-mounted SCE electrical transformers were also observed adjacent to the Property, in various locations along the east side of San Francisco Avenue.

SCE has stated that they have never specified the purchase of distribution transformers utilizing PCBs as the insulating/cooling fluid. SCE transformers utilize mineral oil exclusively. In a statistically valid test of over 20,000 SCE distribution transformers, SCE determined that the concentrations of PCBs in the mineral oils was less than 50 parts per million (ppm) in over 96 percent of the units. SCE is responsible for the operation of the transformers, and the investigation and cleanup of any spills or leaks. No signs of leaks from the transformers were observed. Based on available information, no significant environmental impact to the Property is anticipated from these transformers.

Wastewater

Domestic sanitary sewage generated on the Property, if any, would be discharged to the city sewer system. There appear to be industrial wastewater discharges from the two clarifiers associated with the vehicle wash and paint shop areas.

Drinking Water

Drinking water is supplied to the Property by the City of Long Beach. All large public water suppliers in California have been required to test their water and comply with federal and state drinking water standards since the mid-1980s. Consequently, lead and other contaminants of concern are not expected to be present in the drinking water supply above applicable primary and secondary drinking water standards.

Storage Tanks

Four underground storage tanks and associated dispensers were stored, aboveground, near the southwestern corner of the Property (APN 7271-012-902). During the site visit on May 24, 2004, Mr. Roberto Uranga, superintendent of towing and lien sale indicated that the aboveground tanks were likely from another city facility, and were not used on the Property.

One aboveground 1,000-gallon propane tank was present on the parcel (APN 7271-008-900) bounded by 14th Street to the south and Cowles Street to the north. Two underground storage tanks were also present on this parcel at the fleet fueling station. As discussed below, Long Beach Fire Department records indicated that these are each 12,000-gallon tanks – one gasoline and one diesel.

Two aboveground tar emulsion tanks are also located at 1725 San Francisco Avenue (APN 7271-016-900). These tanks are surrounded by a secondary containment structure of cinder block.

Asbestos-Containing Building Materials (ACBMs)

In general, buildings constructed before 1985 have a high potential for ACBMs. The manufacture of most ACBMs (except roofing tars/mastics) ended in the late 1970s. However, existing inventories of products could still be used. In addition, roofing tars and mastics can still contain asbestos. Thus, ACBMs can be present in building materials regardless of age or date of construction (for example, in roofing felt, vinyl flooring, dry wall mud, etc.). Without sampling and analysis, it is not possible to definitely identify ACBMs.

Based on known or likely construction dates for structures on the Property (discussed later in this report), it is likely that ACBMs are present in at least some of structures.

Lead-Based Paint

Lead-based paint (LBP) has been used on structures since the late 1800s. LBP use peaked in the 1920s and gradually fell off until its ban. About 3 of 4 houses built before 1980 contain LBP. In 1973, the Consumer Product Safety Commission (CPSC) established a maximum lead content in paint of 0.5 percent by weight (or 1.0 mg/cm²) in a dry film of newly applied paint. In 1978, the CPSC lowered the allowable lead level in paint to 0.06 percent. The use of LBP was not prohibited until 1980. The presence of LBP cannot be determined without testing.

According to historical information, at least some city-utilized structures existed on the Property as early as 1926. Although the construction dates of all of the current structures on the Property are not known, it is possible and perhaps likely that lead-based paint is present on some structures.



Adjoining Site Observations

Businesses observed on adjoining sites during the site inspection included: Long Beach Garage Door Co., Hydraulic and Automation Controls Co., The Food Bank of Southern California (and associated parking lot), 7-Strand, Ready Storage, BCIA Precision Casting, Graybar Distributor of Electrical and Comm/Data Products, Long Beach Seafood Co. Wholesale Outlet, Mylo's Custom Auto Body, Tacoma Express Inc., Truck Parking, Riley Marine Products, Goodwill (and associated parking lots), and Ocean Blue Environmental Services.

No recognized environmental conditions (e.g., USTs, monitoring wells, remediation systems, etc.) were identified on any of the adjoining sites during the site inspection.

SITE HISTORY

Site history was evaluated from the following sources:

- U.S. Geological Survey (USGS), Long Beach, California 7.5 minute topographic series map (1964, photorevised 1981).
- Historical aerial photographs dating from 1953, 1958, 1963, 1972, 1989, and 1997, from the Rupp Aerial Photography Collection.
- City of Long Beach Department of Building and Safety building permit information.
- City of Long Beach Fire Department.
- Los Angeles County Tax Assessor.
- Sanborn Fire Insurance maps from the years 1949 and 1963 obtained from the EDR-Sanborn collection.
- City directories from in-house resources were reviewed for the years 1926, 1929, 1932, 1940, 1943-44, 1945, 1948, 1953, 1958, 1963, 1964, 1965, and 1968.

Topographic Maps

The Property and surrounding area are depicted as an area of urban development. No structures are shown on the Property. The closest landmark building is Seaside Memorial Hospital approximately 0.03 miles east of the Property.

Aerial Photographs

In all of the aerial photographs (1953 through 1997) the Property appeared to be occupied by 20 to 30 buildings used for commercial or industrial purposes. The remainder of the Property



appeared to be either vacant or paved. The areas to the east and south appeared to be occupied by a mixture of commercial/industrial buildings and vacant lots. The area to the north (across Pacific Coast Highway) appeared to be primarily residential, and the area to the west was occupied by the Los Angeles River Flood Control Channel.

Copies of aerial photographs are included in Appendix C.

County Tax Assessor

The Los Angeles County tax assessor's website did not provide useful information regarding addresses, year of construction of any improvements, or the use of parcels on the Property.

Sanborn Fire-Insurance Maps

A summary of the uses of the Property and surrounding area as depicted on the 1949 map is as follows:

APN	Depicted Address(es)	No. of Buildings	Year of Map	Use/Comments
7271-007-902	909-935 West Anaheim 1301-1327 San Francisco	6-10	1949	Most buildings appeared to be associated with Fickling Lumber Company. A dog and cat hospital and kennel occupied the southeastern corner of the Property.
7271-008-900	901-935 14 th Street 1401-1445 San Francisco	13	1949	Buildings included warehouses and other small structures that were identified as part of the Long Beach Public Service and Recreation Departments.
7271-011-900	926 15 th Street 1451-1485 San Francisco	11	1949	Buildings were identified as a lab, storage facility, a repair shop, a kennel, gas chambers, a hutch, and an office. All buildings were associated with the Long Beach City Yard.
7271-012-900	925 15 th Street 916 16 th Street	None	1949	Vacant
7271-012-901	921-925 16 th Street 1607-1649	8	1949	Buildings were depicted as: offices, cement and car storage, and general storage. A large structure identified as a

APN	Depicted Address(es)	No. of Buildings	Year of Map	Use/Comments
	San Francisco			sump/storm drain was located on the southern portion of the parcel. All buildings were associated with the Long Beach City Yard.
7271-016-900	926 West Esther 1781 San Francisco	7	1949	Buildings were depicted as: an office, a lantern shop, and garages. All buildings were associated with the Long Beach City Yard.
7271-017-900	940 West Pacific Coast Highway	1	1949	A single apparently residential structure with 34 rooms was depicted.

The adjacent properties to the east, across San Francisco Avenue, included: truck parking, vacant lots, Adhor Milk Farms, truck services, an office, plumbing supplies, a machine shop, and tourist court units. The area to the south, across West Anaheim, appeared to be occupied by a plumbing supply company and a vacant building. An auto court and dwellings occupied the area to the north across Pacific Coast Highway. The Los Angeles River Flood Control Channel occupied the area to the west.

The address ranges for the Property were depicted as 909 through 935 West Anaheim (odd numbers), 1301 through 1781 San Francisco Avenue (odd numbers), and 901-935 14th Street, Cowles Street, 15th Street, 16th Street, 17th Street, and Esther Street (all numbers), and 940 West Pacific Coast Highway.

A summary of the uses of the Property and surrounding area as depicted on the 1963 map is as follows:

APN	Depicted Address(es)	No. of Buildings	Year of Map	Use/Comments
7271-007-902	1301 San Francisco	4	1963	Buildings were associated with A.E. Fickling Lumber Company. Buildings were depicted as: lumber storage, a mill, and building supplies. De Forest Avenue ran north-south through the western portion of the lot.
7271-008-900	901-935 14 th Street	12	1963	Buildings were depicted as: a paint shop, storage, a parking meter department, electrical,

APN	Depicted Address(es)	No. of Buildings	Year of Map	Use/Comments
	1445-1455 San Francisco			woodworking & plumbing, a saw shed, paint storage, and surveyors' equipment. All structures were part of the Long Beach Public Service Department.
7271-011-900	926 15 th Street 1451-1485 San Francisco	12	1963	Buildings were depicted as: a lab, storage facilities, a repair shop, a paint shop with a metal spray booth, and offices. All buildings were associated with the Long Beach City Yard.
7271-012-900	925 15 th Street	3	1963	Buildings were depicted as: offices, a sign shop, a paint shop, and car storage. All buildings were associated with the Long Beach City Yard.
7271-012-901	925 16 th Street 1607 San Francisco	10	1963	Buildings were depicted as: "autos and storage," general storage, and a sump/storm drain. All buildings were associated with the Long Beach City Yard.
7271-016-900	926 West Esther	6	1963	Buildings were depicted as: an office, tool and cement storage, a lantern shop, and a rock bunker. All buildings were associated with the Long Beach City Yard. A notation indicated "Gas and Oil in Yard".
7271-017-900	940 West Pacific Coast Highway	1	1963	Building depicted as the Southern Motel Inn

The adjacent properties to the east, across San Francisco Avenue, included: truck parking, vacant lots, a liquor market, a trucking company, a food facility, a meat refrigeration site, offices, truck services, plumbing supplies, a machine shop, and tourist court units. The area to the south, across West Anaheim, appeared to be occupied by an electric appliance warehouse. The area to the north, across West Pacific Coast Highway was occupied by dwellings. The area to the west was occupied by the Los Angeles River Flood Control Channel.



The address ranges for the Property were depicted as 901 through 935 West Anaheim (odd numbers), 1301 through 1607 San Francisco Avenue (odd numbers), and 901-935 14th Street, Cowles Street, 15th Street, 16th Street, 17th Street, and Esther Street (all numbers), and 940 West Pacific Coast Highway.

Copies of the Sanborn Maps are included in Appendix C.

City Directories

In-house copies of Long Beach City Directories for the Property address range of 1301 through 1799 San Francisco Avenue [odd]; 901 through 935 West Anaheim [odd]; 900 through 1000 Pacific Coast Highway [even]; and 900 through 1000 West 14th Street, West Cowles Street, West 15th Street, West 16th Street, West 17th Street, and West Esther [all], were reviewed for the years 1926 through 1968. Directories for the Property were primarily comprised of residential and commercial listings (e.g. a refrigerator shop, a motel, a building materials corporation etc.). The following entries for the Property were the only listings of environmental concern:

Year	Address	Listing
1926	1317 San Francisco	Superior Laundry
1926	1401 San Francisco	Municipal Garage
1929	1401 San Francisco	Municipal Garage
1932	1401 San Francisco	City Garage
1940	1475 San Francisco	City Chemist and Testing Engineer
1943-44	929 West Anaheim	Fickling A.E. Lbr Co.
1943-44	1475 San Francisco	City Chemist and Testing Engineer
1945	1475 San Francisco	City Chemical and Test Lab
1945	1751 San Francisco	B & A Machine Shop
1948	1317 San Francisco Avenue	LB Janitor Shop
1948	1475 San Francisco	City Chemical and Test Lab
1948	1751 San Francisco	B & A Machine Shop
1948	815 17 th Street	Lieberman WH printer (btwn SF and Pico)
1953	929 West Anaheim	Fickling A.E. Lbr Co.
1953	1475 San Francisco	City Chemical and Test Lab
1943	1751 San Francisco	B & A Machine Shop
1958	1475 San Francisco	City Chemical and Test Lab
1958	1751 San Francisco	B & A Machine Shop
1958	929 West Anaheim	Fickling Lbr Co. Inc.
1963	929 West Anaheim	Fickling Lbr Co. Inc.; Amundsen Delman
1963	1475 San Francisco	City Chemical and Test Lab
1964	1475 San Francisco	City Chemical and Test Lab
1965	1475 San Francisco	City Chemical and Test Lab
1968	1475 San Francisco	City Chemical and Test Lab
1968	929 West Anaheim	Fickling Lbr Co. Inc. Ret

An item of potential environmental concern is the presence of a “laundry” or possible clothes cleaning operation in 1926 at 1317 San Francisco Avenue; this business is not shown on the Property in 1929. It is not possible to determine if the “laundry” was conducting typical laundry or dry cleaning operations. In the early Twentieth Century, gasoline was the main dry cleaning fluid in the U.S. By 1928, the U.S. Department of Commerce had issued a standard for the use of Stoddard solvent (a petroleum distillate) for dry cleaning. As late as 1955, Stoddard solvent (a petroleum distillate) use still dominated the industry. The use of PCE as a dry cleaning fluid began in the U.S. in about 1934, primarily to replace the carbon tetrachloride that had been the principal competitor to Stoddard solvent. Therefore, any dry cleaning operation in the 1920s would very likely have used a petroleum-based solvent (gasoline or Stoddard), and dry cleaning operations using petroleum products were, in SCS’s experience, unlikely to have resulted in any significant environmental impact to the parcels they occupied. In summary, the presence of a “laundry” or possible dry cleaning operation in 1926 does not represent an environmental concern for the Property.

Possible mismanagement of waste oils, solvents, and various chemicals from other former Property uses listed above, including a municipal/city garage, a chemical/testing laboratory, and a machine shop, may pose an environmental concern for the Property.

Additionally, it should be noted that a listing for “City Tow Service and Garage Inc.” was observed in the 1968 city directories for 1630 San Francisco Avenue, which is not part of the Property. Another listing in the 1968 city directory for the “City Public Service Department” was observed for the address of 1601 San Francisco, which is part of the Property. Since the city directory coverage (if any) past 1968 was not reviewed by SCS, the number of years that the City Tow facility operated at the off-site address of 1630 San Francisco is unknown. These listings indicate that both of these addresses were concurrently used by the city.

Long Beach Department of Building and Safety

Building permits for the known and estimated Property address ranges of 1301 through 1799 San Francisco Avenue [odd]; 901 through 935 West Anaheim [odd]; 900 through 1000 Pacific Coast Highway [even]; and 900 through 1000 West 14th Street, West Cowles Street, West 15th Street, West 16th Street, West 17th Street, and West Esther [all], were reviewed with the City of Long Beach Department of Building and Safety. The following permits for the Property were identified:

Permit Date	Address	Owner	Comments
10/17/29	901 West 14 th Street	City of Long Beach	Use: Storage Shed
7/31/29	901 West 14 th Street	City of Long Beach	Use: Municipal Garage
11/18/32	901 West 14 th Street	City of Long Beach	Use: Carpenter Shop and Store Room
5/25/39	1449 San Francisco	City of Long Beach	Use: Bunkers and Truck shed

Permit Date	Address	Owner	Comments
11/16/36	960 West 14 th Street	A.E. Fickling.	Lumber Storage
4/28/39	940 West Pacific Coast Highway	A.L. Eaton	Use: Hotel and Cafe
7/29/41	1643 San Francisco	City of Long Beach	Proposed use: Warehouse
11/23/43	940 West Pacific Coast Highway	Happy Cooper	Present use: Vacant
8/28/45	940 West Pacific Coast Highway	Happy Cooper	Use: Motel
10/5/48	940 West Pacific Coast Highway	M.C. Hall	Use: Motor court rooms
6/16/50	1601 San Francisco	City of Long Beach	Proposed use: Administration Building
6/16/50	1601 San Francisco	City of Long Beach	Proposed use: Vehicle storage and repair
10/2/51	929 West Anaheim	A.E. Fickling	Adding room to office
11/14/51	929 West Anaheim	A.E. Fickling	Add sanding to mill bldg
1/3/52	929 West Anaheim	A.E. Fickling	Lumber storage
5/23/52	1601 San Francisco	City of Long Beach	Use: Paint shop and vehicle shed
8/4/52	929 West Anaheim	Fickling Lumber Co.	Use: Mill building
9/2/53	929 West Anaheim	A. Fickling	Use: Lumber Storage
9/2/53	929 West Anaheim	A. Fickling	Use: Lumber office
5/28/68	1645 San Fernando	City of Long Beach	New storm drain pump station
2/10/69	1601 San Francisco	City of Long Beach	Proposed use: Sign shop
12/28/81	929 West Anaheim	City of Long Beach	Demolish wood shed
7/27/82	901 West Anaheim	City of Long Beach	Constr new office & 10 garages - Permit stamped VOID
2/9/83	1317 San Francisco	City of Long Beach	Change address to 901 West Anaheim
3/8/84	901 West Anaheim	City of Long Beach	Demo existing bldg - Permit stamped VOID
7/6/88	7125 San Francisco	City of Long Beach	Removal of one 500-gallon capacity kerosene UST and soil sample collection.
9/10/90	940 West Pacific Coast Highway	Patel, Balubhai	Demo hotel building to ground level.
5/28/84	940 West Pacific Coast Highway	Cuandulal & Babuhai, Patel	Use: Motel

Permit Date	Address	Owner	Comments
2/10/95	1601 San Francisco	L.B. Pub Serv	Conv storage bldg into traffic signal office

Uses of the Property including a municipal garage, vehicle repair, a paint shop, and the former presence of an underground kerosene tank, may pose an environmental concern for the Property.

City of Long Beach Fire Department

The 2003 City of Long Beach Fire Department (LBFD) Underground Storage Tank (UST) database was reviewed for the address ranges of the Property 1301 through 1799 San Francisco Avenue [odd]; 901 through 935 West Anaheim [odd]; 900 through 1000 Pacific Coast Highway [even]; and 900 through 1000 West 14th Street, West Cowles Street, West 15th Street, West 16th Street, West 17th Street, and West Esther [all], as part of this assessment. The database contains addresses where USTs were located and has notes regarding their status. The following listings were identified:

- 929 West Anaheim** - A listing for the address of 929 West Anaheim indicated that on September 7, 1945 Fickling Lumber removed a 280-gallon capacity UST and installed a 550-gallon capacity UST. Another listing for the same address indicated that a 550-gallon capacity diesel UST was removed in August of 1995. This latter listing indicated that the permit was pulled under the address of 901 West Anaheim and stated "see 1630 San Francisco," which indicates that information for that UST was filed under the San Francisco address.
- 1630 San Francisco Avenue** - Although this address is across the street from the present Public Service Yard and not a part of the Property, based on SCS's review of city directories and building permits, it appears the city tow yard operated at and used the mailing address of 1630 San Francisco Avenue from at least 1965 through 1984. LBFD records also indicate that USTs were located on this site. To evaluate whether "city tow" UST records associated with this site were commingled with those of the "city tow" yard on the Property, SCS conducted a review of information for this address. The database listing for 1630 San Francisco indicates that two USTs were removed in 1975 and two more were removed in 1984; there is no information regarding the removal of a 550-gallon tank from 929 West Anaheim in 1995 as discussed above.
- 1725 San Francisco Avenue** - A listing for the address of 1725 San Francisco Avenue indicated that three tanks were removed in January of 1999. Two of the tanks reportedly had a 10,000-gallon capacity, and were used for gas and diesel, and the third tank reportedly had a 1,000-gallon capacity and had never been used. A database note from March of 1999 indicated that the site was deemed "clean" by the Long Beach Health Department.



A document search was conducted at the City of Long Beach Fire Department for the address ranges of 1301 through 1799 San Francisco Avenue [odd]; 901 through 935 West Anaheim [odd]; 900 through 1000 Pacific Coast Highway [even]; and 900 through 1000 West 14th Street, West Cowles Street, West 15th Street, West 16th Street, West 17th Street, and West Esther [all].

It should be noted that SCS also reviewed records related to USTs for the historic city tow yard at 1630 San Francisco Avenue for any information relevant to this assessment. Although numerous UST-related records were reviewed, all of the information appears to be related to the use and replacement of USTs at this location (across the San Francisco Avenue from the Property); none of the information appears to be related to the Property.

Copies of relevant documents are provided in Appendix E. A summary of the findings for the Property from these documents is as follows:

Current USTs --

Permits from 1998 indicate that Foss Environmental installed two 12,000-gallon underground fuel storage tanks, one gasoline and one diesel. These USTs are located on the 1400 block of San Francisco Avenue, between 14th Street and Cowles Street. These tanks were observed during the site inspection at the fleet fueling station on the Property.

Historic USTs --

Long Beach Fire Department files contained abundant information regarding the storage of hazardous materials including current and historic USTs, aboveground storage tanks (ASTs) and miscellaneous flammable and combustible materials. Specific records related to these USTs are discussed below. A summary of this information is provided in the Historical Use Summary section of this report.

Two 10,000-gallon Gasoline and Diesel USTs at 1725 San Francisco Avenue --

Information on these USTs is provided in the following documents:

McLaren Hart, UST Removal Report dated January 26, 1999 – This report relates to the removal of two 10,000-gallon fuel tanks (one unleaded and one diesel) and one 1,000-gallon unused tank. Since the 1,000-gallon tank was reportedly never used, no soil sampling was conducted. This 1,000-gallon unused tank was shown as being located 682 feet south of Esther Street and 10 feet east of the western property line; this is in the area of 16th Street on the Property.

A map indicates the two 10,000-gallon USTs were located 135 feet south of Esther Street (APN 7271-016-900). Soil samples were collected and analyzed from beneath the two 10,000-gallon USTs, along the diesel product line and beneath the gas and diesel dispensers; and two samples were taken from the spoils piles. One of the samples from beneath the diesel UST and both of



the samples from beneath the dispensers contained elevated concentrations of gasoline and diesel fuel constituents (e.g., up to 11,400 mg/kg [milligrams per kilogram, equivalent to parts per million or ppm]) of diesel-range hydrocarbons).

McLaren Hart, Additional Sampling Results Report dated February 1, 1999 – This report indicates that excavation and confirmation sampling was conducted in the three areas where elevated concentrations of petroleum hydrocarbons were detected during the removal of the 10,000-gallon USTs (discussed above). Approximately 31 cubic yards (cy) of impacted soil was removed from the west end of the diesel UST excavation to a depth of 18 feet below grade, and 21 cy of impacted soil was removed from beneath the dispensers to a depth of 6 feet below grade. Confirmation samples collected from the excavations did not contain detectable concentrations of gasoline- or diesel-range hydrocarbons; MTBE was the only fuel-related volatile organic compound detected (at 32 ug/kg [micrograms per kilogram], equivalent to parts per billion or ppb).

Long Beach/Signal Hill Joint Powers Agency "No Further Action" Letter dated March 25, 1999 – This letter indicates that "no further action" was required for four tanks: two 10,000-gallon, one 1,000-gallon, and one 500-gallon storage tank. The two 10,000- and one 1,000-gallon USTs appear to be related to those identified in the McLaren Hart reports discussed above. The 500-gallon UST was not included in the McLaren Hart reports; further information regarding a 500-gallon UST is provided below.

UST Testing And Certification Document dated September 6, 1995 – This document indicates that two 10,000-gallon tanks, located at 1725 San Francisco Avenue, were tested for releases and "passed" with respect to leak detection.

UST Permit Application (Forms A and B) dated January 5, 1999 – These permits indicated that five tanks were present on the Property. Two of the "USTs" were not identified; the other three USTs were identified on the Form B permits as:

- 10,000-gallon regular unleaded UST installed in 1966
- 10,000-gallon diesel UST installed on November 5, 1959
- 1,000-gallon never used UST installed on July 19, 1988; with a note indicating that this UST was "originally meant for solvent."

According to the permits, the tanks are associated with the City of Long Beach Public Service Maintenance Yard and were located at 1725 San Francisco Avenue. An address of 1601 San Francisco is listed on the Form A permit under "facility/site information and address." This indicates that a separate mailing address of 1601 San Francisco Avenue was being used for the Maintenance Yard at that time.

Fire Prevention Plan Worksheet dated January 6, 1999 – This document indicated that Foss Environmental removed three tanks from 1725 San Francisco Avenue. The sizes of the tanks

were not indicated; however, based on available information, it would appear that these three tanks are those discussed in the above-mentioned reports from McLaren Hart.

1,000-gallon Unused Kerosene/Solvent UST --

As discussed above, one of the USTs removed by Foss Environmental and McLaren Hart in 1999 was a 1,000-gallon "unused" tank. A "New Tank Installation" form dating from 1988 for 1725 San Francisco indicates that a 1,000-gallon kerosene tank was to be installed. A Plot Plan (not accompanied by any permit) showed a 1,000-gallon "solvent" UST at 1725 San Francisco Avenue; however, no date was indicated on the plan and buildings depicted on the map did not correspond to current building configurations, so the location of the tank could not be determined.

However, as previously discussed, this UST was apparently removed by Foss Environmental and McLaren Hart. Since the UST was reportedly never used, no soil sampling was conducted. This UST was located 682 feet south of Esther Street and 10 feet east of the western property line, in the area of 16th Street. As discussed above, the Long Beach/Signal Hill Joint Powers Agency's "No Further Action" letter, dated March 25, 1999, included a 1,000-gallon capacity UST. Based on available information, it would appear that these documents all apply to the same UST.

500-gallon Kerosene UST --

A Bureau of Fire Prevention inspection notice, dated July 6, 1988, indicated the removal of one 500-gallon kerosene UST at 1725 San Francisco Avenue, for the "San Francisco Yard (City of Long Beach)." The notice indicated that one soil sample should be collected at a depth of three to five feet beneath the tank.

Additional information regarding this tank was identified in the records of the Long Beach Department of Health and Human Services (DHHS) and Los Angeles Regional Water Quality Control Board (RWQCB) files, as discussed later in this report.

550-gallon Gasoline UST --

An "UST Unauthorized Release (Leak)/Contamination Site Report" dated May 29, 1996 indicated that on August 30, 1995 it was discovered that an unknown quantity of gasoline leaked from a 30-plus year old 550-gallon UST at 901 West Anaheim Street. This address corresponds with the southern portion of the Property, formerly occupied by the City Tow Yard. The report indicated that the City of Long Beach purchased the land, found and removed the tank, and subsequently discovered the tank leak.

Additional information regarding this tank was identified in DHHS and RWQCB files, as discussed later in this report.

Motor Oil UST --

An UST Unauthorized Release (Leak)/Contamination Site Report dated August 4, 1995 indicated that 110 gallons of new motor oil was released due to a piping leak that occurred at 1725 San Francisco Avenue. The report indicated that preliminary assessment was underway; no further documentation regarding this release was identified by SCS. Since 1725 San Francisco was used as a mailing address for the City Service Yard, the actual location of this "unauthorized release" is unknown.

10,000-gallon Diesel UST --

A "Flammable Liquids Permit," issued on January 10, 1969, for the Public Service Yard at 1725 San Francisco Street, indicated that a 10,000-gallon diesel UST was to be installed on the Property. The permit also indicated that including this tank; there were a total of two tanks (with 20,000-gallons of capacity) and one pump at this address. Another permit application for a 10,000-gallon diesel fuel UST, for the City Public Service Yard at 1725 San Francisco Avenue, was approved on March 29, 1976; this permit may have been related to an existing UST. No further information was found regarding the location or disposition of these tanks. Either or both of these records may be related to the diesel UST removed by McLaren Hart in 1999.

However, there is a discrepancy with regarding to installation date. The 10,000-gallon UST removed by McLaren Hart in 1999 was reportedly installed in November 1959.

Gasoline UST --

A sketch map dated September 20, 1979 was identified with the address of 1601 San Francisco Avenue. Notes on the map indicated that this was a City of Long Beach project related to the installation of vapor recovery line for an existing gasoline tank. No further information related to this tank was identified. No details were present on the map to indicate the size or location of the tank. This record may be related to the 550-gallon gasoline UST at 901 Anaheim, or the 10,000-gallon unleaded gasoline located at 1725 San Francisco, reportedly installed in 1966 and removed in January 1999.

Miscellaneous UST Records --

A letter from the Department of Health and Human Services, dated October 18, 1995, indicated that they had received tank closure information that indicated a discharge of hazardous material at 901 West Anaheim Street, with a request for a "Site California Permit and an Initial Site Characterization Report." A subsequent letter from the Long Beach/Signal Hill Joint Powers Agency, dated April 2001, indicated that groundwater contamination was present with respect to the address of 901 West Anaheim Street. Additional information regarding the "901 Anaheim" tank was identified in DHHS and RWQCB files, as discussed later in this report.



Aboveground Hazardous Materials Storage --

Aboveground Tar Emulsion Tanks --

An application to remove or abandon storage tanks, dated January 1990, indicated that two aboveground tanks were removed from 1601 San Francisco Avenue by Atlas Allied Inc. According to an attached Plot Plan, the tanks that were removed were similar to the tar emulsion tanks that are currently present on the Property. Furthermore, the tanks appeared to be located in the same area, between Esther Street and 17th Street, along the western border of the Property. Based on available information, it would appear that two tar emulsion tanks were removed in 1990 and replaced by two new tar emulsion tanks. No significant environmental impact to the Property is anticipated from these tanks.

Flammable and Combustible Liquids --

City of Long Beach Fire Department documents indicated that various other flammable and combustible materials, including "solvent," xylenes, lacquer thinner, and propane were "stored, handled, used, or sold" on the Property at 1610 San Francisco Avenue.

File Reviews at the Los Angeles RWQCB and Long Beach DHHS

Reviews of files at the Long Beach Department of Health and Human Services (DHHS) and Los Angeles Regional Water Quality Control Board (RWQCB) were conducted on November 23 and December 2, 2004, respectively. Copies of relevant information obtained from the file reviews are provided in Appendix E. A summary of relevant environmental information obtained from these file reviews is presented below:

- A DHHS "Haz Waste Worksheet" dated November 11, 1987, indicates that 1,1,1-TCA contaminated with asphalt was stored in 55-gallon drums in the area of the Engineering Laboratory at 1475 San Francisco Avenue. Other documents from November and December 1987 for the Physical and Chemical Testing Lab (1475 San Francisco Avenue) indicate that four 55-gallon drums of 1,1,1-TCA are disposed of annually.
- On July 6, 1988 a 500-gallon kerosene UST was removed by Marine Contractors from a location shown as the southwest corner of San Francisco Avenue and Esther Street (1725 San Francisco Avenue), within or beneath Street Division Storage Building. One undertank sample was analyzed for total recoverable petroleum hydrocarbons (TRPH) using EPA Method 418.1; the lab result for this sample was reported as 16,000 ug/g (micrograms per gram, equivalent to parts per million). Notes in the file indicated that the assessment of this area was to be completed at the same time as two existing USTs were removed on the same parcel (northernmost of the 6 contiguous lots). A note dated March 25, 1999 on the City of Long Beach Environmental Health Underground Tank Program Tracking System summary states:

“Based on present closure guidance for low risk fuel contamination site fact sheet issued by the California Regional WQCB, Los Angeles Region, this site is low risk therefore no further action is required.”

Based on this information, no remediation of impacted soils was conducted.

- DHHS records indicate that crushing of mercury and sodium street lights in a dumpster was conducted at the Street Lighting Division (1601 San Francisco Avenue); a water spray used to control dust caused water runoff from the dumpster. It is possible that mercury and other metals incorporated into the runoff have impacted the area.
- Regulatory records indicate that a 550-gallon gasoline UST at “901 Anaheim” was actually located in the 14th Street right-of-way 146 feet west of San Francisco Avenue and immediately north of the Tow Yard at 901 Anaheim. This UST was removed by Maness Environmental on August 30, 1995. Two soil samples were collected and analyzed during the UST removal. Sample 1C-8 (presumably 8 ft bgs) contained 7,500 mg/kg of total petroleum hydrocarbons (TPH using EPA Method 8015M) and benzene, toluene, ethylbenzene and xylene (BTEX) concentrations of 22, 17, 98 and 470 mg/kg, respectively. Sample SP-1 (stockpile) did not contain detectable concentrations of TPH, but did contain 0.013 mg/kg of xylenes.

Subsequently, EPICS International conducted an investigation that resulted in a report dated January 31, 1996. Six borings were drilled to groundwater at about 8 to 8.5 feet below grade. Soil and/or groundwater samples from each boring indicated that soils and groundwater were impacted at least 20 to 30 feet from the UST location to the north, south and east. Soils were impacted with TPH as gasoline (TPHg) at concentrations as high as 5,500 mg/kg, benzene to 27 mg/kg, toluene to 48 mg/kg, ethylbenzene to 110 mg/kg, and xylenes to 540 mg/kg. Grab samples of groundwater were impacted with TPHg up to 3,400 mg/L, TPHd up to 600 mg/L, benzene up to 18.8 mg/L, toluene to 42.4 mg/L, ethylbenzene to 108 mg/L, and xylenes to 703 mg/L. From this data, it is likely that free product is present floating on the groundwater. None of the samples were analyzed for fuel oxygenates such as MTBE.

In a letter dated April 2, 2001, DHHS referred this case to the RWQCB. The Reynolds Group (TRG) prepared a workplan dated November 15, 2001 which was submitted to the RWQCB. The TRG Workplan was approved by the RWQCB in a letter dated February 19, 2002. No other information regarding this site was available in regulatory files.

- DHHS records included documents and references related to the use and storage of hazardous wastes such as paints, solvents, 55-gallon drums, etc. Where these areas could be identified, they have been included on Figures 4 and 5 of Appendix A.

- Permits for two groundwater monitoring wells for Los Angeles County and one well for Long Beach Public Works were identified for the Property or immediately surrounding area in 1994 and 1995. The status of these wells is unknown.

Interviews with Knowledgeable Personnel

SCS contacted Larry McNerny, a Supervisor with the City of Long Beach Towing Yard, regarding historical Property use. Mr. McNerny indicated that he first worked at the tow yard in 1982, soon after the city acquired the southern portion of the Property from a lumber mill and developed the tow yard. The city tow yard was in operation until 1999, and has been used for equipment and vehicle storage since then. Tow yard operations included vehicle maintenance and an impound yard. The only UST that Mr. McNerny was aware of is reportedly located immediately north of the Tow Yard (APN 7271-007-902). This appears to be the "901 Anaheim" UST discussed above. Mr. McNerny stated that the tow yard never used this UST, and that he was unaware of the size or contents of the UST.

During the site inspection on May 24, 2004, Mr. Hough commented that the western portion of the city's Public Service Yard (along the Los Angeles River) is higher in elevation and that this is due to the burial of 1933 earthquake debris.

During the site inspection on August 10, 2004, Mr. Greg Keys, Supervisor for the Structural/Anti-Graffiti operations at the Public Service Yard, indicated that the only underground tanks he had knowledge of during his approximately 20 years of working on the Property were the two fuel tanks currently located on the Property at the fleet fueling station (APN 7271-008-900) and two fueling tanks that were removed from the northern portion of the Property (APN 7271-016-900) by McLaren Hart in 1999.

During the site visit Mr. Keys also provided information pertaining to the clarifiers on the Property. According to Mr. Keys, the clarifiers are three-stage clarifiers and are used to clarify run-off water from vehicle cleaning and paint equipment cleaning. Uniform hazardous waste manifests (dated July 6, 2004) from the service company, Patriot Environmental, which were produced by Mr. Keys, indicated the removal of "mixed paints and thinners – waste paint related materials" and "non-RCRA hazardous waste liquid – clarifier waste/sludge." Copies of the manifests are provided in Appendix C.

Historical Use Summary

Historical information indicates that portions of the Property were initially developed for commercial use as early as 1926, and have been used for commercial or industrial purposes since that time. Superior Laundry was identified in city directories on the Property in 1926. A veterinarian and kennels occupied a portion of the Property from at least 1929 through 1948. Lumber and building material companies (Fickling and Blue Diamond) occupied part of the Property from at least 1932 until the early 1980s, when records indicate that a portion of the Property was redeveloped with the City of Long Beach Tow Yard. The city tow yard was in

operation until 1999; and that portion of the Property has been used for equipment and vehicle storage since that time. At least a portion of the Property appears to have been utilized by the City of Long Beach, as a "municipal garage," since as early as 1926. Various other city operations, such as a chemical laboratory and a machine shop have existed on the Property from as early as 1940 to present. The southwestern portion of the Property was occupied by De Forest Avenue in 1963 and possibly as early as 1953 or earlier. City Tow Yard personnel indicated that the western portion of the Property, somewhat elevated with respect to the rest of the Property, is likely fill material, which may contain debris from the 1933 earthquake.

Superior Laundry was identified on the Property at 1317 San Francisco Avenue in 1926. It is possible that this laundry conducted dry cleaning operations. Any dry cleaning operation in the 1920s would very likely have used a petroleum-based solvent (gasoline or Stoddard), and dry cleaning operations using petroleum products were, in SCS's experience, unlikely to have resulted in any significant environmental impact to the parcels they occupy. In summary, the presence of a "laundry" or possible dry cleaning operation in 1926 does not represent an environmental concern for the Property.

Long Beach Fire Department files contained abundant information regarding the storage of hazardous materials including current and historic USTs, aboveground storage tanks (ASTs) and miscellaneous flammable and combustible materials. A summary of this information indicates the following:

- There are two 12,000-gallon USTs are currently in use, one gasoline and one diesel. At this time, there is no evidence in LBFD records that leaks or spills have occurred from these USTs.
- Historic USTs included the following:
 1. 10,000-gallon unleaded gasoline, reportedly installed in 1966 and removed in January 1999. Regulatory closure received from Long Beach/Signal Hill Joint Powers Agency (JPA) in the "No Further Action" Letter dated March 25, 1999.
 2. 10,000-gallon diesel, reportedly installed on November 5, 1959 and removed in January 1999. Regulatory closure received from the JPA in the "No Further Action" Letter dated March 25, 1999.
 3. 1,000-gallon unused UST, originally meant for solvent/kerosene, installed on July 19, 1988 and removed in January 1999. Regulatory closure received from JPA in the "No Further Action" Letter dated March 25, 1999.
 4. 500-gallon kerosene UST, removed in July 1988. The location of this UST was at the southwest corner of San Francisco Avenue and Esther Street. One undertank soil sample contained 16,000 parts per million of hydrocarbons. A note dated March 25,

1999 on the City of Long Beach Environmental Health Underground Tank Program Tracking System summary states:

“Based on present closure guidance for low risk fuel contamination site fact sheet issued by the California Regional WQCB, Los Angeles Region, this site is low risk therefore no further action is required.”

Based on this information, no remediation of impacted soils was conducted.

5. 550-gallon gasoline UST – An “UST Unauthorized Release (Leak)/Contamination Site Report” dated May 29, 1996 indicated that on August 30, 1995 it was discovered that an unknown quantity of gasoline leaked from a 30 plus year old UST at 901 West Anaheim Street. This UST was removed by Maness Environmental on August 30, 1995, from a located in the 14th Street right-of-way 146 feet west of San Francisco Avenue and immediately north of the Tow Yard at 901 Anaheim. Soil and groundwater impacts were confirmed in investigations of the area. In a letter dated April 2, 2001, DHHS referred this case to the RWQCB. The Reynolds Group (TRG) prepared a workplan dated November 15, 2001 which was submitted to the RWQCB. The TRG Workplan was approved by the RWQCB in a letter dated February 19, 2002. No other information regarding this site was available in regulatory files.

The following records may be related to one or more of the USTs discussed above, or may be related to other historic USTs on the Property:

- Motor Oil UST – An UST Unauthorized Release (Leak)/Contamination Site Report dated August 4, 1995 indicated that 110 gallons of new motor oil were spilled from piping at 1725 San Francisco. No additional information regarding the location, investigation or regulatory status of this “unauthorized release” was identified in LBFD records.
- 10,000-gallon diesel UST – A “Flammable Liquids Permit,” issued on January 10, 1969, for the Public Service Yard at 1725 San Francisco Street, indicated that a 10,000-gallon diesel UST was to be installed on the Property. The permit also indicated that including this tank; there were a total of two tanks (with 20,000-gallons of capacity) and one pump at this address. Another permit application for a 10,000-gallon diesel fuel UST, for the City Public Service Yard at 1725 San Francisco Avenue, was approved on March 29, 1976; this permit may be related to an existing UST. No further information was found regarding the location or disposition of these tanks. Either or both of these records may be related to the diesel UST removed by McLaren Hart in 1999. However, there is a discrepancy with regard to the installation date; the 10,000-gallon UST removed by McLaren Hart was reportedly installed in November 1959.
- Gasoline UST – A sketch map dated September 20, 1979 was identified with the address of 1601 San Francisco Avenue. Notes on the map indicated that this was a City of Long Beach project related to the installation of vapor recovery line for an existing gasoline

tank. No further information related to this tank was identified. No details were present on the map to indicate the size or location of the tank. This record may be related to the 550-gallon gasoline UST at 901 Anaheim, or the 10,000-gallon unleaded gasoline located at 1725 San Francisco, reportedly installed in 1966 and removed in January 1999.

The following additional recognized environmental conditions were identified from historical information:

- **Fill Material** – City personnel indicated that fill material appears to have been placed on the western portion of the Property; the source of this material is unknown, but may include debris from the 1933 earthquake. Building debris from 1933 may contain asbestos, lead-based paint, or other issues of potential environmental concern.
- **Possible releases of waste oils, chemicals, and solvents**, may have resulted from historical operations on the Property (e.g., chemical storage and use areas, paint shop, chemical laboratory, machine shop, etc.).

Adjacent sites, historically including: truck parking, vacant lots, a liquor market, a trucking company, a food facility, a meat refrigeration site, offices, truck services, plumbing supplies, a machine shop, tourist court units, an electric appliance warehouse, Adhor Milk Farms, a vacant building, an auto court, dwellings, and the Los Angeles River Flood Control Channel, are not anticipated to pose an environmental concern for the Property.

REGULATORY RECORDS REVIEW

Local regulatory agencies and other sources were contacted in an effort to identify any known or suspected contamination sites or incidents of hazardous waste storage or disposal which might have resulted in soil or groundwater contamination within a one-mile radius of the Property. Within the City of Long Beach, the Long Beach Fire Department generally acts as the lead enforcement agency for underground storage tank compliance and removals. If soil or groundwater contamination is suspected, the Long Beach Department of Health and Human Services generally acts as the lead enforcement agency for subsequent investigations. However, if groundwater has been affected, the Los Angeles Regional Water Quality Control Board (RWQCB) generally becomes the lead agency for contamination characterization and cleanup.

Regulatory Database Sites

In addition, a database search for sites listed on various federal and state databases within one mile of the Property was obtained from EDR Environmental Information. A description of each of the databases searched is included in the report, which is attached as Appendix E. The EDR databases include NPL, US EPA CERCLIS, State CERCLIS, CORRACTS, LUST, CA SLIC, Calsites, SWLF, Cortese, Border Zone Properties, ERNS, and Toxic Pits. Any sites included on these lists within 0.25 miles of the Property are discussed in the following text. As a general rule, sites beyond 0.25 miles are not anticipated to impact a site significantly. Any sites beyond



0.25 miles with a high potential to impact the Property are also discussed. (Please note: the distances and directions listed in this report have been field verified and might not always match those in the EDR report.)

The EDR databases also include TSD facilities, hazardous waste generators, HAZNET, FINDS, SQGs, LQGs, USTs, HIST UST, RCRA violations, and TRIS facilities with toxic chemical releases (generally in accordance with permitting requirements - into the air, water, or land as reported under SARA Title III). These sites use or store hazardous materials and thus may pose a potential problem in the event of a spill or leak. However, unless these sites also appear in an agency list of contaminated sites, there is no evidence of any problems at this time. Therefore, sites on these lists will not be discussed unless on or in close proximity to the Property.

Please refer to Appendix F for further information on these sites.

Property Listings--

The Property is variously identified in the EDR database report as the Vehicle Tow Yard, Long Beach City Tow Yard, City of Long Beach Towing Operations, Public Service Yard, City of Long Beach Public Works, City of Long Beach Public Service Yard, Long Beach City Public Service Yard, City of Long Beach Testing Lab, Public Service Transfer Station #2, and City of Long Beach; with addresses of 901 and 929 West Anaheim (EDR locations A1-A4, pgs 6-9) and 1475, 1601 and 1725 San Francisco Avenue (EDR locations O58-O63, pgs 55-61).

The Property is identified on the HAZNET, Cortese, LUST, RCRIS-SQG, FINDS, SWF/LF, EMI, and UST databases:

Listing	Address	Owner	Comments
A1 Cortese	901 Anaheim	Vehicle Tow Yard	No information on the nature of the listing, however, the Cortese list consists predominantly leaking UST sites. See below.
A2 LUST	901 W. Anaheim St.	Long Beach City Tow Yard	An UST was found after the City of Long Beach purchased the land. A gasoline release was discovered during tank removal in August 1995. The information provided in the database corresponds to the 550-gallon UST previously discussed.

Listing	Address	Owner	Comments
A4 HAZNET	901 West Anaheim	City of Long Beach Towing Operations	This listing is related to the removal of the following wastes: organic solids, oil-containing waste, and aqueous solution with organic residues.
A3 UST	929 West Anaheim	City of Long Beach	<u>UST</u> This address corresponds to the same parcel as 901 Anaheim and is likely related.
O62 RCRIS-SQG, FINDS	1475 San Francisco	City of Long Beach Testing Lab	<u>RCRIS</u> Operations on the Property generated small quantities of hazardous waste (e.g., solvents, etc.). <u>FINDS</u> Resource Conservation and Recovery Act Information System
O59 HAZNET	1601 San Francisco	City of Long Beach Public Works	<u>HAZNET</u> Listing related to the manifesting of asbestos-containing waste, unspecified solvent mixture waste, waste oil and mixed oil, and unspecified oil-containing waste.
O61 RCRIS-SQG, FINDS	1601 San Francisco	City of Long Beach Public Service Department	<u>RCRIS</u> Operations on the Property generated small quantities of hazardous waste (e.g., solvents, etc.). <u>FINDS</u> Resource Conservation and Recovery Act Information System

Listing	Address	Owner	Comments
O63 SWF/LF, EMI	1601 San Francisco	Public Service Transfer Station #2	The SWF/LF listing is related to the limited-volume transfer station operations; green materials, mixed municipal – 1,000 tons per year. <u>EMI</u> National Emissions Inventory.
O58 Cortese, LUST	1725 San Francisco	Public Service Yard	<u>LUST</u> Release Date: 8/4/95 Piping failure Affected soil only Substance type not identified. No closure reported <u>Cortese</u> No information on the nature of the listing.
O60 UST	1725 San Francisco	City of Long Beach Public Service Yard	<u>UST</u> Two tanks on Property.

All of the Cortese, UST and LUST database listings appear to relate to underground storage tanks that have been previously discussed in this report.

The HAZNET database indicated that organic solids, oil-containing wastes, and aqueous solutions with organic residues were removed from 901 West Anaheim under manifest, and that asbestos containing waste, unspecified solvent mixture waste, waste oil and mixed oil, and unspecified oil-containing wastes were removed from 1601 San Francisco Avenue under manifest. These wastes were likely the result of vehicle maintenance operations, construction activities, and painting operations on the Property.

The RCRIS-SQG database, which is a list of sites that generate, transport, store, treat and/or dispose of small quantities of hazardous waste, did not provide any information pertaining to the nature of the materials generated on the Property; however, the entries indicated that no violations were found.

The FINDS database, which lists other databases that a site is included in, indicated that the Property is listed on the National Emissions Inventory and the Resource Conservation and Recovery Act Information System databases. This listing is likely due to historic or on-going operations such as the paint booth, fuel station, etc.



The solid waste information system database (SWF/LF) typically contains an inventory of active, closed, and inactive landfills or disposal facilities. The listing for the Property indicated that a limited volume (up to 1,000 tons per year) transfer operation, which included green materials and mixed municipal waste, existed at 1601 San Francisco Avenue. Since no waste material was permanently stored at this facility, no significant environmental impact is anticipated with respect to this listing.

The Emissions Inventory Database (EMI) indicates facilities whose emissions data have been collected by various air pollution agencies. No information was given regarding the nature of the data that was collected for the Property. It is likely this listing was related to the paint booth and/or fueling station.

Other Database Sites--

The EDR database lists the following sites within a one-mile radius of the Property. Some sites may be listed on more than one database. (Please note: LUST sites that are within 1/2-1 mile of the Property may not be reported unless present on at least one additional database).

Database	Number of Sites		
	0 – 1/4 miles	1/4 – 1/2 miles	1/2 - 1 mile
US EPA National Priority List (NPL)	0	0	0
US EPA RCRA Corrective Actions (CORRACTS)	0	0	1
California Superfund (SPL)	0	0	0
US EPA CERCLIS (sites under review for inclusion of the NPL)	1	0	0
California equivalent CERCLIS (SCL)	0	0	0
California Leaking Underground Storage Tanks (LUST)	7	17	--
California Solid Waste & Landfill Facilities (SWLF)	1	0	--
California Properties with Deed Restrictions	0	--	--
California Properties with Hazardous Waste (Cortese)	8	16	--

Database	Number of Sites		
	0 – 1/4 miles	1/4 – 1/2 miles	1/2 - 1 mile
California Registered Underground Storage Tanks (UST)	20	--	--
California State Spills List	4	2	--
US EPA Hazardous Waste Generators	11	--	--

According to the EDR database, numerous sites within 0.25 miles of the Property have had releases of substances including hydrocarbons and volatile organic compounds, and groundwater in the area has been impacted. Based on this information, it is possible that impacted groundwater from these sites has migrated beneath the Property.

Unmappable or Orphan Sites--

A total of 154 unmappable sites were identified in the EDR Report according to their zip code. Unmappable sites cannot be plotted due to inaccurate or incomplete addresses. Based on review of the provided data, including the likely location of the unmappable sites in relation to the Property, it appears unlikely that the unmappable sites have adversely affected the environmental condition of the Property.

Landfills

A review of the Major Waste Systems Map (June 1972, revised August 1976) was conducted to locate any landfills or transfer stations within a one-mile radius of the Property. No landfills or transfer stations were observed to be within one mile of the Property according to the Major Waste Systems Map.

A copy of the Major Waste System Map that includes the Property is included in Appendix D.

Oil and Gas Wells

SCS reviewed relevant information from the California Department of Conservation, Division of Oil, Gas and Geothermal Resources (DOGGR) regarding oil and gas exploration activities in this portion of Long Beach. DOGGR maps (Nos.131 and 127) indicated that numerous oil wells are present approximately 300 feet west and southwest of the Property across the Los Angeles River Flood Control Channel. Since these wells are on the opposite side of the river, no significant environmental impact to the Property is anticipated from oil and gas exploration or production.

FINDINGS AND OPINIONS

Based on the scope of work performed, SCS finds the following:

- The Long Beach Service Yard consists of seven rectangular Los Angeles County Tax Assessor's Parcels that total approximately 689,913 square feet in area. The Property is located west of San Francisco Avenue and east of the Los Angeles River between Pacific Coast Highway and Anaheim Street in Long Beach, California. The six southern-most parcels of the Property are contiguous and include the intervening street rights-of-way, which have been incorporated into the Public Service Yard. The northern-most parcel (940 Pacific Coast Highway, APN 7271-017-900) is located on the north side of the adjacent city block, approximately 200 feet north of the other parcels.
- The Property is presently utilized for various operations performed by Long Beach Public Services (e.g. traffic management, street maintenance, and landscaping). The Property is occupied by 24 buildings, eight storage sheds, a carwash, two clarifiers, a fueling station with underground storage tanks of diesel and gasoline, four gravel bays, two aboveground tar emulsion tanks, an aboveground propane tank and several hazardous materials storage areas. The area surrounding the structures is paved, and the large open areas of the Property are utilized for storage and parking. The two clarifiers, which are utilized at a vehicle washing station and a paint equipment cleaning station, the paint spray booth and the hazardous materials storage areas are considered Recognized Environmental Concerns.
- Historical information indicates that portions of the Property were initially developed for commercial use as early as 1926, and have been used for commercial or industrial purposes since that time. Superior Laundry was identified in city directories on the Property in 1926. A veterinarian and kennels occupied a portion of the Property from at least 1929 through 1948. Lumber and building material companies (Fickling and Blue Diamond) occupied part of the Property from at least 1932 until the early 1980s, when records indicate that a portion of the Property was redeveloped with the City of Long Beach Tow Yard. The city tow yard was in operation until 1999; and that portion of the Property has been used for equipment and vehicle storage since that time. At least a portion of the Property appears to have been utilized by the City of Long Beach, as a "municipal garage," since as early as 1926. Various other city operations, such as a chemical laboratory and a machine shop have existed on the Property from as early as 1940 to present. The southwestern portion of the Property was occupied by De Forest Avenue in 1963 and possibly as early as 1953 or earlier. City Tow Yard personnel indicated that the western portion of the Property, somewhat elevated with respect to the rest of the Property, is likely fill material, which may contain debris from the 1933 earthquake.
- Superior Laundry was identified on the Property at 1317 San Francisco Avenue in 1926. It is possible that this laundry conducted dry cleaning operations. Any dry cleaning

operation in the 1920s would very likely have used a petroleum-based solvent (gasoline or Stoddard), and dry cleaning operations using petroleum products were, in SCS's experience, unlikely to have resulted in any significant environmental impact to the parcels they occupy. In summary, the presence of a "laundry" or possible dry cleaning operation in 1926 does not represent an environmental concern for the Property.

- Observations during the site inspection indicate that adjacent properties are currently occupied by: Long Beach Garage Door Co., Hydraulic and Automation Controls Co., The Food Bank of Southern California (and associated parking lot), 7-Strand, Ready Storage, BCIA Precision Casting, Graybar Distributor of Electrical and Comm/Data Products, Long Beach Seafood Co. Wholesale Outlet, Mylo's Custom Auto Body, Tacoma Express Inc., Truck Parking, Riley Marine Products, Goodwill (and associated parking lots), and Ocean Blue Environmental Services. No obvious recognized environmental concerns for the Property were identified on these adjacent sites.
- Regulatory database information identified the Property on the HAZNET, Cortese, LUST, RCRIS-SQG, FINDS, SWF/LF, EMI, and UST databases. The Cortese, LUST and UST database listings appear to relate to the current and historic UST operations, removals and cleanups. Other EDR report information indicated that wastes such as organic solids, oil-containing wastes, aqueous solutions with organic residues, asbestos containing waste, unspecified solvent mixture waste, and waste oil and mixed oil, were used on the Property. Additionally, the database report indicated that a transfer station operation formerly existed on the Property.
- Long Beach Fire Department information indicated that there are two 12,000-gallon USTs are currently in use, one gasoline and one diesel. These tanks are located on parcel 7271-008-900, between Cowles and 14th Street. At this time, there is no evidence in LBFD records that leaks or spills have occurred from these USTs.
- Historic on-site USTs included the following:
 1. 10,000-gallon unleaded gasoline, reportedly installed in 1966 and removed in January 1999. Regulatory closure received from Long Beach/Signal Hill Joint Powers Agency (JPA) in the "No Further Action" Letter dated March 25, 1999.
 2. 10,000-gallon diesel, reportedly installed on November 5, 1959 and removed in January 1999. Regulatory closure received from the JPA in the "No Further Action" Letter dated March 25, 1999.
 3. 1,000-gallon unused UST, originally meant for solvent/kerosene, installed on July 19, 1988 and removed in January 1999. Regulatory closure received from JPA in the "No Further Action" Letter dated March 25, 1999.

4. 500-gallon kerosene UST, removed in July 1988. The location of this UST was at the southwest corner of San Francisco Avenue and Esther Street. One undertank soil sample contained 16,000 parts per million of hydrocarbons. A note dated March 25, 1999 on the City of Long Beach Environmental Health Underground Tank Program Tracking System summary states:

“Based on present closure guidance for low risk fuel contamination site fact sheet issued by the California Regional WQCB, Los Angeles Region, this site is low risk therefore no further action is required.”

Based on this information, no remediation of impacted soils was conducted.

5. 550-gallon gasoline UST – An “UST Unauthorized Release (Leak)/Contamination Site Report” dated May 29, 1996 indicated that on August 30, 1995 it was discovered that an unknown quantity of gasoline leaked from a 30 plus year old UST at 901 West Anaheim Street. This UST was removed by Maness Environmental on August 30, 1995, from a located in the 14th Street right-of-way 146 feet west of San Francisco Avenue and immediately north of the Tow Yard at 901 Anaheim. Soil and groundwater impacts were confirmed in investigations of the area. In a letter dated April 2, 2001, DHHS referred this case to the RWQCB. The Reynolds Group (TRG) prepared a workplan dated November 15, 2001 which was submitted to the RWQCB. The TRG Workplan was approved by the RWQCB in a letter dated February 19, 2002. No other information regarding this site was available in regulatory files.

The following records may be related to one or more of the USTs discussed above, or may be related to other historic USTs on the Property:

- Motor Oil UST – An UST Unauthorized Release (Leak)/Contamination Site Report dated August 4, 1995 indicated that 110 gallons of new motor oil were spilled from piping at 1725 San Francisco. No additional information regarding the location, investigation or regulatory status of this “unauthorized release” was identified in LBFD records.
- 10,000-gallon diesel UST – A “Flammable Liquids Permit,” issued on January 10, 1969, for the Public Service Yard at 1725 San Francisco Street, indicated that a 10,000-gallon diesel UST was to be installed on the Property. The permit also indicated that including this tank; there were a total of two tanks (with 20,000-gallons of capacity) and one pump at this address. Another permit application for a 10,000-gallon diesel fuel UST, for the City Public Service Yard at 1725 San Francisco Avenue, was approved on March 29, 1976; this permit may be related to an existing UST. No further information was found regarding the location or disposition of these tanks. Either or both of these records may be related to the diesel UST removed by McLaren Hart in 1999. However, there is a discrepancy with regard to the installation date; the 10,000-gallon UST removed by McLaren Hart was reportedly installed in November 1959.

- Gasoline UST – A sketch map dated September 20, 1979 was identified with the address of 1601 San Francisco Avenue. Notes on the map indicated that this was a City of Long Beach project related to the installation of vapor recovery line for an existing gasoline tank. No further information related to this tank was identified. No details were present on the map to indicate the size or location of the tank. This record may be related to the 550-gallon gasoline UST at 901 Anaheim, or the 10,000-gallon unleaded gasoline located at 1725 San Francisco, reportedly installed in 1966 and removed in January 1999.

The following additional recognized environmental conditions were identified from historical information:

- Fill Material – City personnel indicated that fill material was placed on the western portion of the Property; the source of this material is unknown, but may include debris from the 1933 earthquake. Building debris from 1933 may contain asbestos, lead-based paint, or other issues of potential environmental concern. An obvious elevated area was noted during the site inspection on the northwestern portion of parcel 7271-011-900 (between 15th and Cowles Streets).
- Possible releases of waste oils, chemicals, and solvents, may have resulted from historical operations on the Property (e.g., chemical storage and use areas, paint shop, chemical laboratory, machine shop, etc.).
- Regulatory database information also indicates that numerous sites within 0.25 miles of the Property have had releases of substances including hydrocarbons and volatile organic compounds, and groundwater in the area has been impacted. Based on this information, it is possible that impacted groundwater from these sites has migrated beneath the Property.

In summary, the only parcel with **no recognized environmental concerns** is the northern-most of the seven parcels of the Property (940 Pacific Coast Highway, APN 7271-017-900); this parcel is approximately 200 feet north of the other parcels on the north side of the adjacent city block.

The remaining parcels contain one or more areas of environmental concern as shown in Figures 4 and 5 (Appendix A), including fill material containing debris from the 1933 earthquake and petroleum-related impacts to soil and/or groundwater from underground fuel storage tanks. Further, historic operations on these parcels have included vehicle and equipment maintenance, paint shop, chemical laboratory, landscaping departments, machine shop, etc. The locations and nature of these operations appears to be transitory, and it is possible that waste oils, various pesticides, oils, paint and solvents have spilled or leaked over the 70 plus years of operation.

In conclusion, SCS has performed a Phase I Environmental Site Assessment of the Long Beach Public Service Yard, located on seven city blocks bounded by West Anaheim to the south, San Francisco Avenue to the east, Pacific Coast Highway to the north, and the Los Angeles River Flood Control Channel to the west, in Long Beach, California, in general conformance with the

scope and limitations of ASTM Practice E1527-00. Based on the recognized environmental conditions discussed above, SCS recommends further investigation.



REFERENCES

California Department of Water Resources. *Planned Utilization of the Ground Water Basins of the Coastal Plain of Los Angeles County*. Bulletin No. 104. 1961; reprinted April 1988

California Department of Conservation, Division of Oil, Gas, and Geothermal Resources, (Maps 131 and 127) 5816 Corporate Avenue, Suite 200, Cypress, CA 90630-4731, (714) 816-6847

City of Long Beach, Department of Building and Safety, 333 West Ocean Boulevard, 4th Floor, Long Beach, CA 90802-4604

City of Long Beach Fire Department, 925 Harbor Plaza, Suite 100, Long Beach, California

Environmental Data Resources Inc., (The EDR Radius Map Report, 901 West Anaheim, Long Beach, CA 90813, May 28, 2004). 3535 Post Road, Southport, Connecticut 06890

United States Geological Survey, Long Beach, CA 7.5 Minute Topographic Series Map (1964, Photorevised 1981)

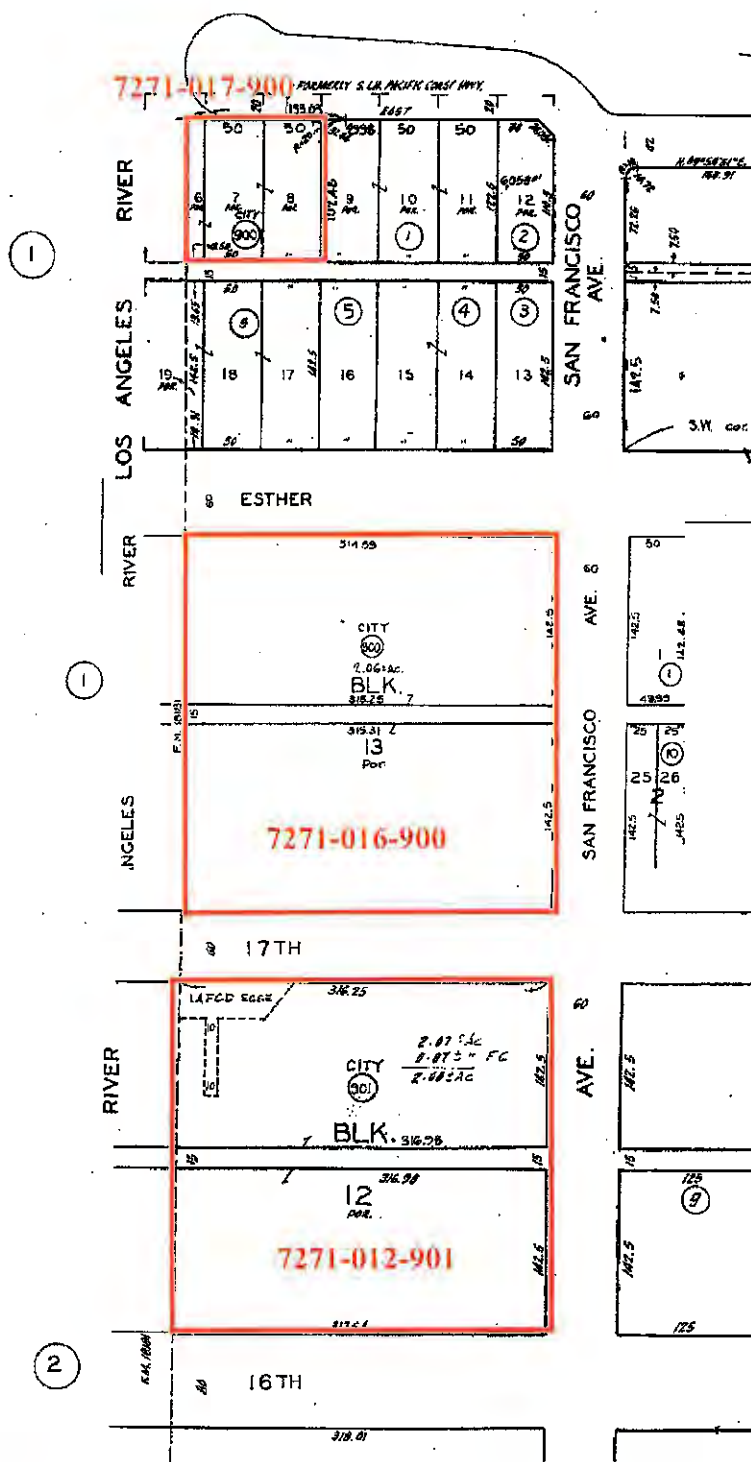
Personal communication (May 27, 2004), Larry McNerny (562) 570-2841, Supervisor with the City of Long Beach Towing Yard

Personal communication (August 10, 2004), Greg Keys, office - (562) 570-2791, cell - (562) 619-1133, Supervisor II, Structural/Anti Graffiti Operations, Public Service Department

APPENDIX A

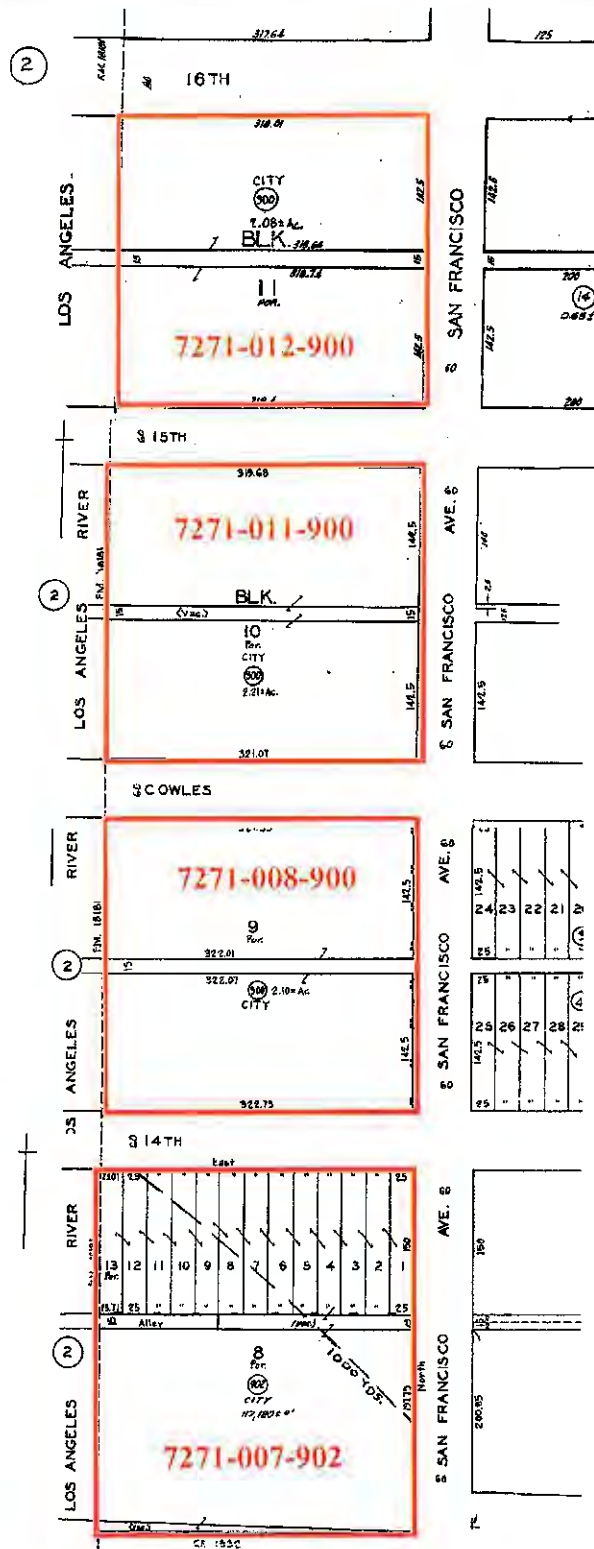
FIGURES

- 1 – Project Site Location
- 2 – Assessor's Parcel Maps
- 3 – Aerial Photograph 1994
- 4 – Map of Areas of Environmental Concern Southern Portion of Property
- 5 – Map of Areas of Environmental Concern Northern Portion of Property



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Figure 2. Assessor's Parcel Map – Part 1



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Figure 2B. Assessor's Parcel Map - Part 2

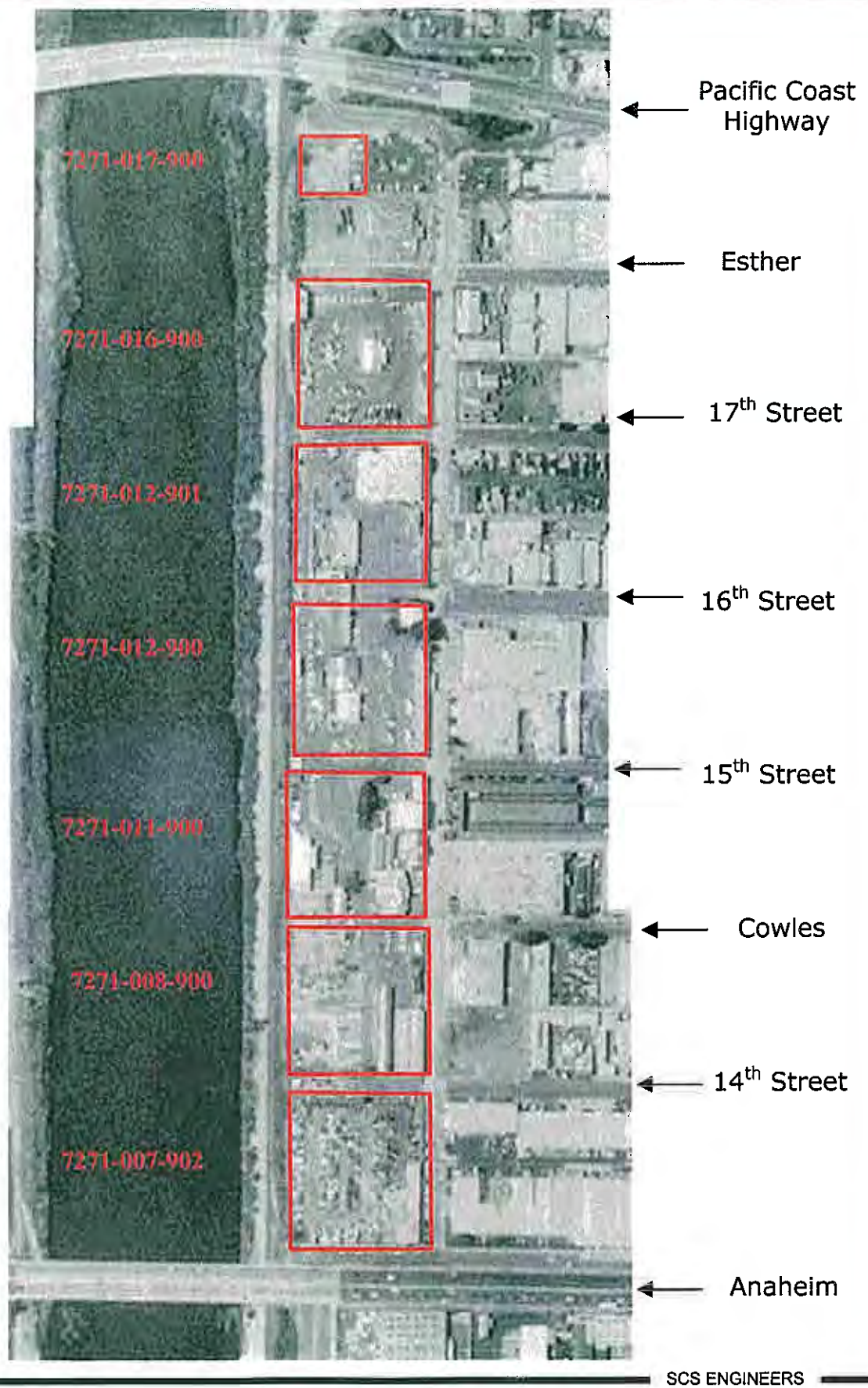


Figure 3. Aerial Photograph 1994

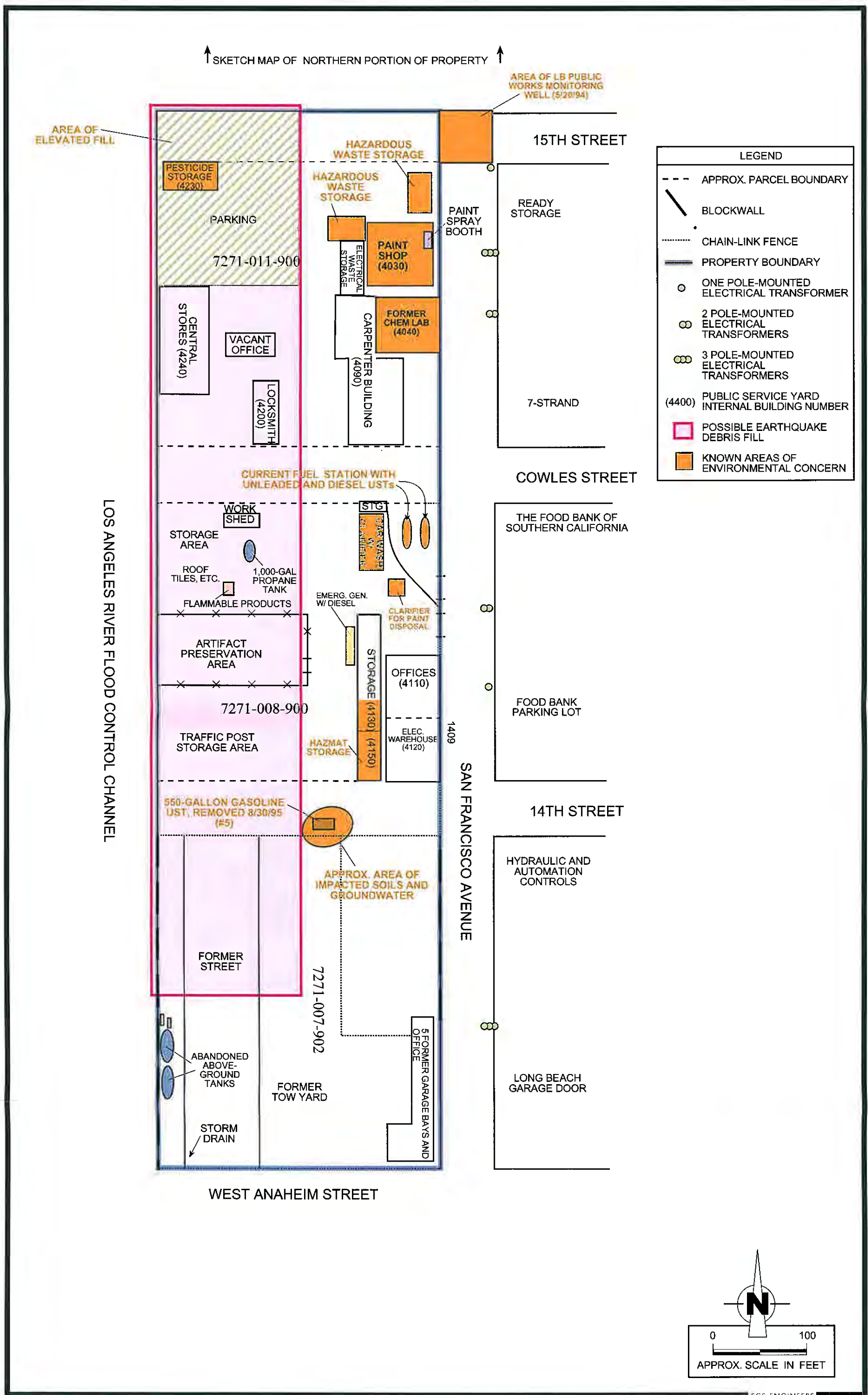
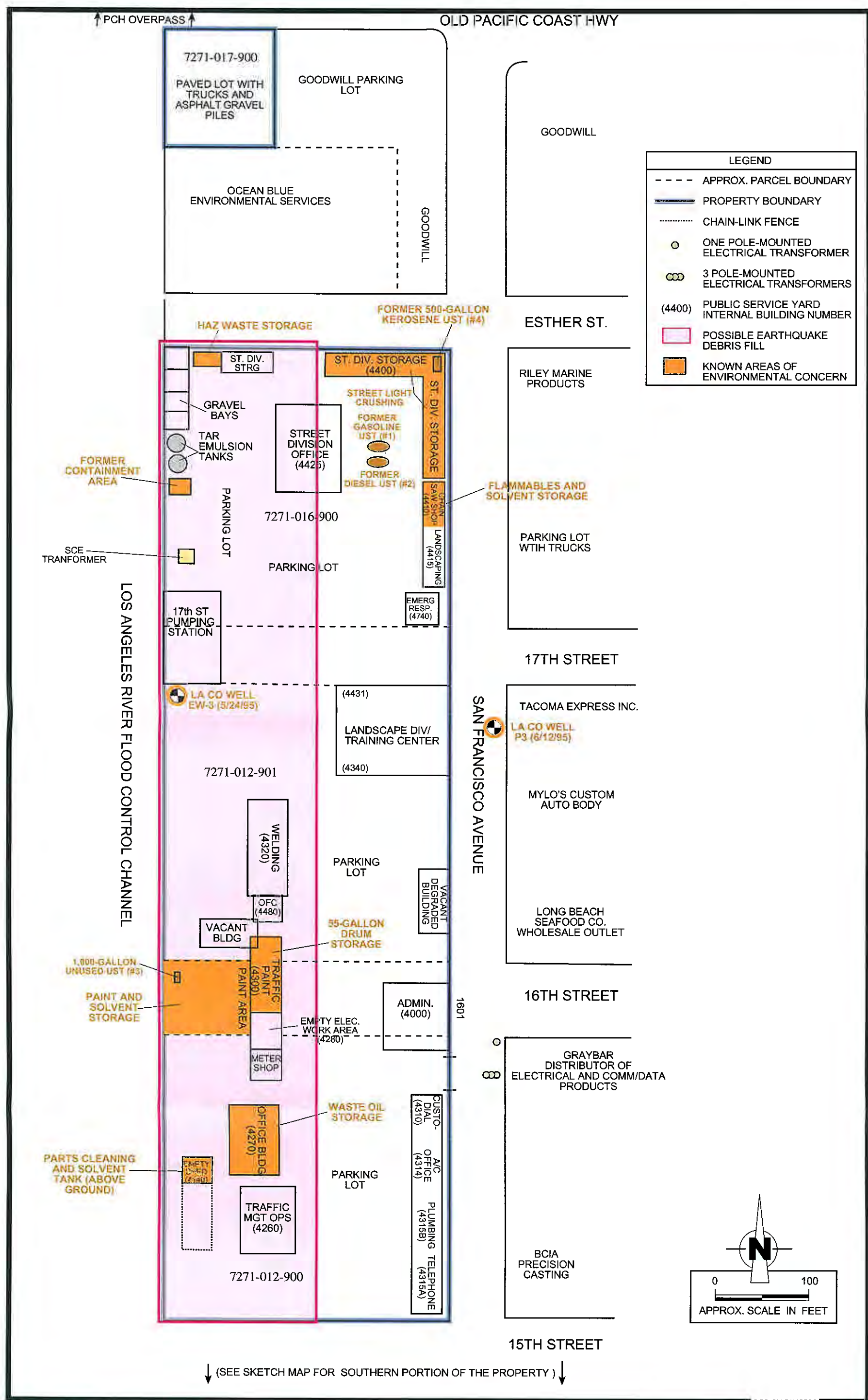


Figure 4. Map of Areas of Environmental Concern, Southern Portion of Property.

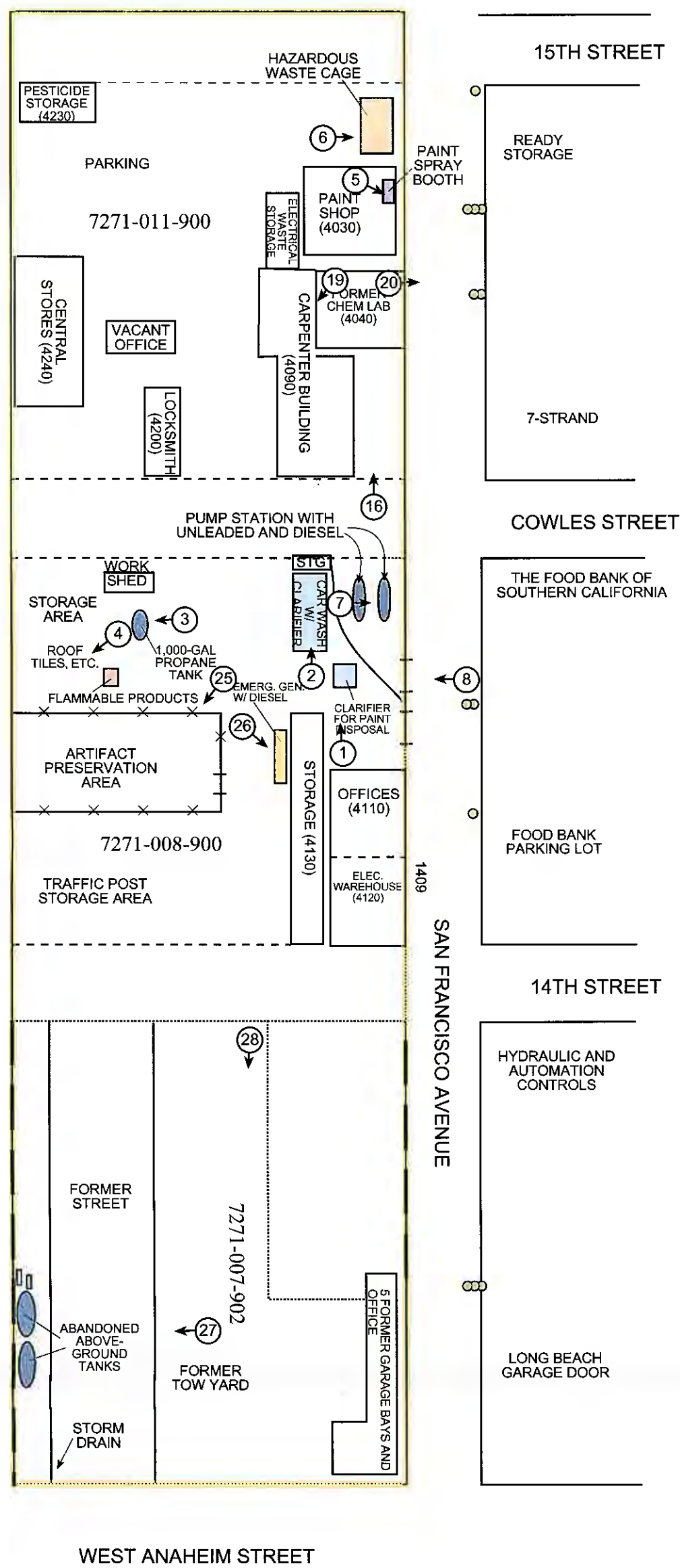


APPENDIX B
SKETCH MAP AND PHOTOGRAPHS

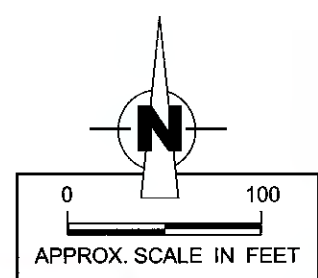


↑ SKETCH MAP OF NORTHERN PORTION OF PROPERTY ↑

LOS ANGELES RIVER FLOOD CONTROL CHANNEL

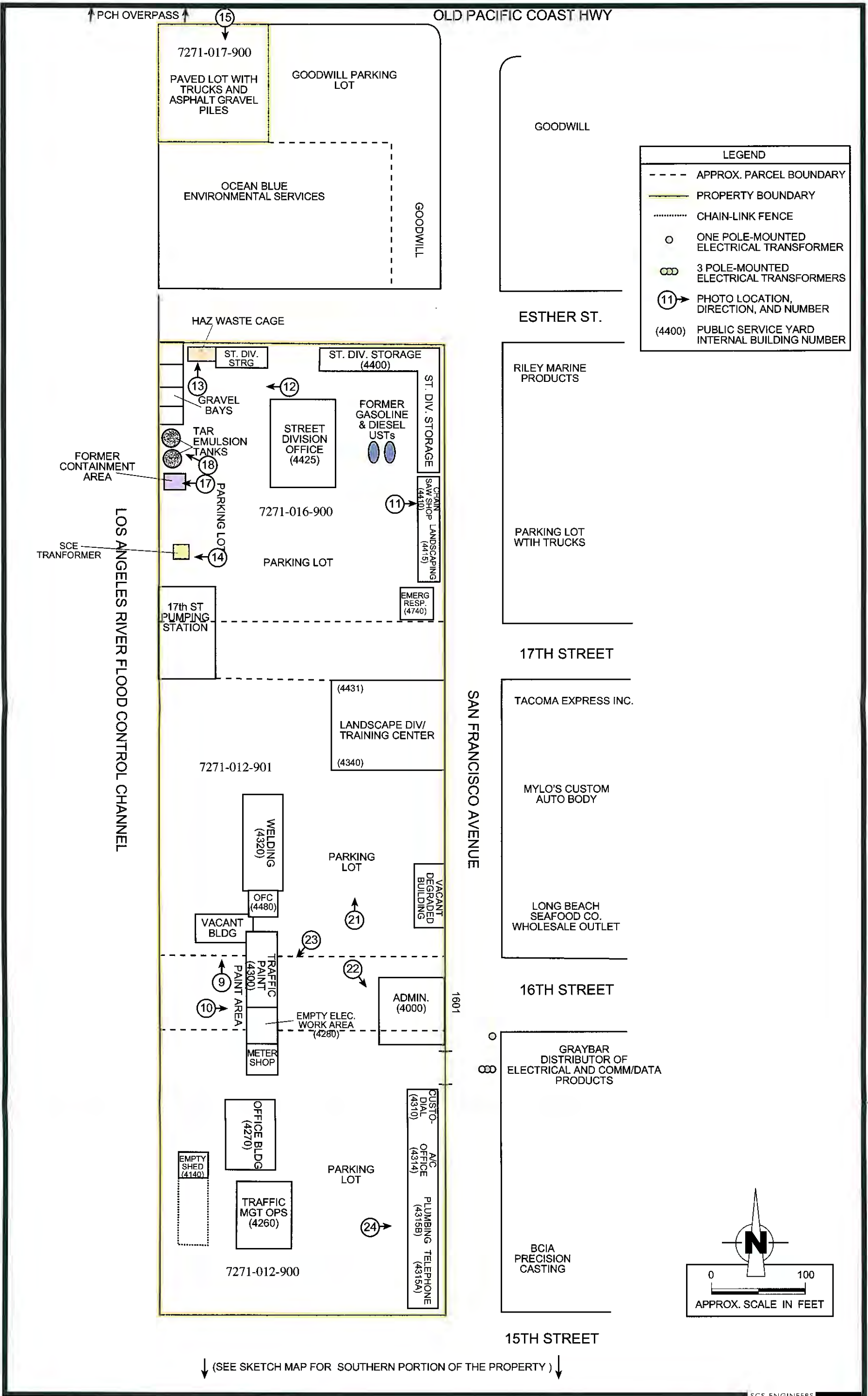


LEGEND	
---	APPROX. PARCEL BOUNDARY
—	BLOCKWALL
.....	CHAIN-LINK FENCE
—	PROPERTY BOUNDARY
○	ONE POLE-MOUNTED ELECTRICAL TRANSFORMER
○○	2 POLE-MOUNTED ELECTRICAL TRANSFORMERS
○○○	3 POLE-MOUNTED ELECTRICAL TRANSFORMERS
⑪→	PHOTO LOCATION, DIRECTION, AND NUMBER
(4400)	PUBLIC SERVICE YARD INTERNAL BUILDING NUMBER



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Sketch Map of Site Showing Locations of Photographs, Southern Portion of Property.



Sketch Map of Site Showing Locations of Photographs, Northern Portion of the Property.



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Photo 1. Clarifier for Paint Equipment Rinse Water



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Photo 2. Clarifier for Vehicle Wash Area



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Photo 3. Aboveground Propane Tank



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Photo 4. Roofing Tiles and Construction Materials Stored on the Property



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Photo 5. Paint Spray Booth Inside the Paint Shop



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Photo 6. Hazardous Materials Cage North of the Paint Shop



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Photo 7. Fueling Station



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Photo 8. View Northwest at Fueling Station



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Photo 9. Northern Paint Storage Area West of the Traffic Paint Building



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Photo 10. Southern Paint Storage Area West of the Traffic Paint Building



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Photo 11. Chain Saw and Landscaping Maintenance Shop



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Photo 12. Gravel Bays and Tar Emulsion Tanks



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Photo 13. Hazardous Waste Cage Containing Waste Oils



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Photo 14. SCE Pad-mounted Transformer North of the Pump Station



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Photo 15. Asphalt Gravel Piles



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Photo 16. View North of Carpentry Building (left) and Former Chemistry Lab (Right)



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Photo 17. Former Containment Area for Used Oil and Paint Thinner



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Photo 18. Close-up of Tar Emulsion Tanks and Containment Area



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Photo 19. Equipment in Former Chemistry Laboratory



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Photo 20. Former Chemistry Laboratory Concrete Strength Testing Equipment



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Photo 21. View North at Parking Area (APN 7271-012-901)



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Photo 22. View Southeast at Administration Building



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Photo 23. View Southwest at Traffic Paint Shop



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Photo 24. Chemicals Stored in Plumbing Building



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Photo 25. Southwest View at Artifact Storage Area



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Photo 26. Southeast View of Emergency Generator and Traffic Post Storage Area



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Photo 27. Aboveground Tanks Stored on the Southern End of the Property.



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Photo 28. View from North to South at the Central Portion of the Former City Tow Yard

APPENDIX C

HISTORICAL SITE USE INFORMATION

(BUILDING PERMITS, AERIAL PHOTOGRAPHS, and SANBORN MAPS)

CITY OF LONG BEACH

INSPECTION REQUEST LINE (213) 590-6105

PLANNING & BUILDING
DEPARTMENT

333 W. OCEAN BLVD.
(213) 590-6651

LICENSED CONTRACTORS DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (Commencing with Section 7000) of Division 3 of the Business and Professional Code, and my license is in full force and effect.

License Class _____ License No. _____
Date 9/10/90 Contractor Kevin P. Merrill

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractors License Law for the following reason (Sec. 7031 California Business and Professional Code: Any City which requires a permit to construct, alter, improve, demolish or repair any structure prior to its issuance also requires the applicant for such permit to file a signed statement that he is a licensed contractor pursuant to the provisions of the Contractors License Law (Ch. 9 (Commencing with Sec. 7000 of Div. 3 of the B. & P. C.)) by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars (\$500.00).)

a. I as owner of the property, or my employees with wages as their sole compensation, will do the work and the structure is not intended or offered for sale (Sec. 7034, B. & P. C.). The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If however, the building or improvements is sold within one year of completion, the owner-builder will have burden of proving that he did not build or improve for the purpose of sale.)

b. I as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, B. & P. C.). The Contractors License Law does not apply to an owner of contracts for such projects with a Contractors License pursuant to the Contractors License Law.)

c. I am exempt under Sec. _____, B. & P. C. for this reason _____

Date _____ Owner _____

IMPORTANT

Application is hereby made to the Superintendent of Building and Safety for a permit subject to the conditions and restrictions set forth on the front face of this application.
1. Each person upon whose behalf this application is made and each person at whose benefit work is performed under or pursuant to any permit issued as a result of this application agrees to and shall indemnify and hold harmless the City of Long Beach its officers, agents and employees from any liability arising out of the issuance of any permit from this application.
2. Any permit issued as a result of this application becomes null and void if work is not commenced within ONE HUNDRED EIGHTY (180) DAYS from date of issuance of such permit.

WORKER'S COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure or a certificate of worker's compensation insurance or a certified copy thereof.

Policy No. _____ Company _____
Certified copy is on file with the Department of Planning and Building.
Date 9/10/90 Applicant Kevin P. Merrill

CERTIFICATE OF EXEMPTION FROM WORKER'S COMPENSATION INSURANCE
I certify that in the performance of the work for which this permit is issued I shall not employ any person in any manner so as to become subject to the Worker's Compensation Laws of California.

Date _____ Applicant _____

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to worker's Comp. provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

I hereby state that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3807, Civ. C.).

Lender's Name _____
Lender's Address _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all City and State laws relating to the building construction, and hereby authorize representatives of this City to enter upon the above mentioned property for inspection purposes.

Signature of Owner or Contractor _____

Date _____

JOB ADDRESS 940 W PACIFIC COAST		HWY		RECEIPT NO. 0088000	DATE 09/10/90	PROJECT NO. C0085695
JOB DESCRIPTION DEM HOTEL BLDG. TO GROUND LEVEL				AREA 12		
OWNER PATEL, BALUBHAI N				OCCUPANCY PLANNING		
ADDRESS 940 W PACIFIC COAST				ASSESSOR NO. 7271017001		
CITY LONG BEACH				ZONE		
CA 90813				FSB \$ ASB CENSUS TR. 5754.00		
APPLICANT PATEL, BALUBHAI N				TRANSACTIONS		
CONTRACTOR MERRILL KEVIN P CONSTRUCTION				DEMOLITION Per \$72.50		
ADDRESS 6505 SEASIDE				PLUMBING Per \$18.50		
CITY LONG BEACH				SURCHARGE \$4.26		
STATE CA 90803				WK H		
ZIP CODE				PHONE 213-439-0660		
STATE LICENSE NO. 487250				CITY LICENSE NO.		
ARCHITECT/ENGINEER				LICENSE NO.		

CITY OF

2

LONG BEACH

DEPARTMENT OF ENGINEERING
BUILDING INSPECTOR

Application To Alter, Repair or Demolish

Order's Number	14-308
No.	20
Permit Number	1-3071
Date Received	11-23-43
Date Issued	12-27-43

To the Department of Engineering of the City of Long Beach:

Application is hereby made to the Department of Engineering of the City of Long Beach, through the office of the Building Inspector, for a building permit in accordance with the description and for the purpose hereinafter set forth. This application is subject to the following conditions which are hereby agreed to by the undersigned applicant and which shall be deemed conditions entering into the granting of the permit:

First: That the permit does not grant any right or privilege to erect any building or other structure therein described, or any portion thereof, upon any street, alley, or other public place or portion thereof.

Second: That the permit does not grant any right or privilege to use any building or other structure therein described, or any portion thereof, for any purpose that is, or may hereafter be prohibited by ordinance of the City of Long Beach.

Third: That the granting of the permit does not affect or prohibit any claim of title to, or right of possession to, the property described in such permit.

(Use Ink or Indelible Pencil)
DESCRIPTION OF PROPERTY

Lot No. 7-8-9-10-11

Block Tract Sunset Villa Tr. #1

Owner's Name Happy Cooper Owner's Address 940 W. Pacific Coast Highway

Contractor's Firm Name owner State License No.

Contractor's Address City License No.

Proposed Use of Building or Structure REPAIR WORK No. of Families 2 No. of Rooms 4

Type of Construction of Existing Building 1" Sideline Outside. Plaster inside

No. 940 W. Pacific Coast Highway LOCATION OF JOB Street

VALUATION OF PROPOSED WORK { "Value of a Building which the Estimated Cost to Replace the Building in Kind } \$ 25

Engineer: State Certificate No.

Architect:

Present Use of Building Vacant

Number of stories in height 1 Size of present building 30 x 32

State number of buildings on lot 1-2 How used Hotel Guest

State on following lines what alterations, additions, etc. will be made to this building:

Buildings on lot 2. Part of lot 2. Part of lot 2. Part of lot 2. Part of lot 2.

Size of new addition 29' x 29' No. of stories in height 1 Kind of Roofing Shingles

Material of foundation Concrete Width of footings 12" Depth below ground 2'

Size of Reinforced Mudsills 2 x 6 Size of interior bearing studs 2 x 6

Size of exterior studs 2 x 4 Size of interior non-bearing studs 2 x 4

Size of first floor joists 2 x 6 Second floor joists 2 x 6

I have carefully examined and read the above application and know the same is true and correct, and that, in doing this work, all provisions of Long Beach Ordinances and local laws will be complied with, whether herein specified or not. Also, in accordance with the Building Code, I hereby apply for a Certificate of Occupancy to be issued after all final inspections have been called for by me and have been made by the Department of Engineering.

All Applications must be filled out by the Applicant.

PLANS AND SPECIFICATIONS and other data must also be filed.

(Sign Here) Happy Cooper

NOTE—Turn over and fill out back on other side

FOR DEPARTMENTAL USE ONLY

RECEIVED BY

DATE

RECEIVED BY

DATE

RECEIVED BY

DATE

RECEIVED BY

DATE

			FILE NO.
ST. NO. 940 West State Street			DATE
LOT NO. Part of Lot 6 and Lots 7 and 8, 9 and 10			12/1/39
BLOCK			PERMIT NO.
TRACT Sunset Villa No. 1			H-4106
OWNER <i>Paula Estee</i>			
ADDRESS 940 West State St.			
CONTRACTOR			
ADDRESS			
USE OF BUILDING <i>Dwlg.</i>			
TYPE OF CONSTRUCTION 5			
DESCRIPTION OF BUILDING			
WIDTH 20	LENGTH 55	HEIGHT 10	
STORIES 2	ROOMS	FAMILIES 4	
TOTAL COST \$2,500		FEE \$6	
INSPECTION RECORD			
(This side of card is for final inspection only—see back for detailed inspection reports)			
DATE	INSPECTOR	FINAL INSPECTIONS	
12-7-39	<i>R. G. ...</i>	EXCAV. INSP.	
2-16-40	<i>R. G. ...</i>	FRAMING INSP.	
		PLASTERING INSP.	
		ROOFING INSP.	
		TILE INSP.	
7-6-40	<i>R. G. ...</i>	BUILDING COMPLETION	
8-6-40	<i>Smith</i>	PLUMBING INSP.	
2-5-40	<i>Thompson</i>	ELECTRICAL INSP.	
TEMP. C. OF O. NO.		Date	
FINAL C. OF O. NO.		Date	

ST. NO. 940 N. State St.		DATE
LOT NO. 6 and 7		4-28-37
BLOCK		PERMIT NO.
TRACT Sunset Villa Tr. #1		G-586
OWNER A. L. Eaton		
ADDRESS 1930 Cherry		
CONTRACTOR		
ADDRESS		
USE OF BUILDING Hotel & Cafe		
TYPE OF CONSTRUCTION		
DESCRIPTION OF BUILDING		
WIDTH 58	LENGTH 115	HEIGHT 18
STORIES 2	ROOMS 16	FAMILIES
TOTAL COST \$1,000.		FEE 10.00
INSPECTION RECORD		
(This side of card is for final inspection only—see back for detailed inspection reports)		
DATE	INSPECTOR	FINAL INSPECTIONS
1-12-37	R. G. [Signature]	EXCAV. INSP.
1-12-37	R. G. [Signature]	FOUND. INSP.
12-3-37	[Signature]	PLASTERING INSP.
4-12-37	[Signature]	ROOFING INSP.
12-16-37	[Signature]	BUILDING COMPLETION
12-16-37	[Signature]	PLUMBING INSP.
12-21-37	[Signature]	ELECTRICAL INSP.
TEMP. C. OF C. NO. 5346 Date 12-16-37		
FINAL C. OF C. NO. 5696 Date 4-21-38		

*Water Heats
13 units
separations*

CITY OF **2** LONG BEACH

DEPARTMENT OF ENGINEERING
BUILDING INSPECTOR

Application to Alter, Repair or Demolish

Citizen's Number	799
Fee	\$ 2.00
Permit Number	16791
Date Received	10-5-48
Date Issued	10-5-48

To the Department of Engineering of the City of Long Beach:
Application is hereby made to the Department of Engineering of the City of Long Beach, through the office of the Building Inspector, for a building permit to be rendered with the description and for its purpose hereinafter set forth. This application is made subject to the following conditions which are hereby agreed to by the undersigned applicant and which shall be deemed conditions entering into the issuance of the permit:
That the permit does not give any right or privilege to erect any building or other structure therein described, or any portion thereof, upon any street, alley, or other public place or public thoroughfare.
That the permit does not give any right or privilege to use any building or other structure therein described, or any portion thereof, for any purpose that is, or may become, in violation of any ordinance of the City of Long Beach.
That the parties of the permit does not intend or produce any claim of title to, or right of possession to, the property described in such permit.

(Use Ball or Indelible Pen)
DESCRIPTION OF PROPERTY

Lot No. 6-7-8-9-10-11

Block Tract Sunset Villa Tract No. 1
Owner's Name M. C. Hall Owner's Address 940 W. Pacific Coast Highway
Contractor's Firm Name Owner State License No. _____
Contractor's Address _____ City License No. _____
Proposed Use of Building Motel Rental No. of Families _____ No. of Rooms 50
Type of Construction of Existing Building Stucco

LOCATION OF JOB

940 W. Pacific Coast Highway, Long Beach Street

VALUATION OF PROPOSED WORK

Value of a Building Shall Be the Estimated Cost to Replace the Building in Kind. \$250.00

Engineer _____ State Certificate No. _____
Architect _____
Present Use of Building Motel Rental
Number of stories in height 2 Size of present building 11x12x6
State number of buildings on lot 1 How used Motel Rental
State on following lines exactly what alterations, additions, etc. will be made to this building:
Make Kitchen out of store room

Size of new addition _____ No. of Stories in height _____ Kind of Roof _____
Material of foundation _____ Width of footings _____ Depth below ground _____
Size of Railroad Mobile _____ Size of interior base _____
Size of exterior walls _____ Size of interior mounting _____
Size of first floor joists _____ Second floor joists _____

I have carefully examined and read the above application and know the same to be true and correct, and that, in doing this work, all provisions of Long Beach Ordinances and State Laws will be complied with, whether herein specified or not. Also in accordance with the Building Code, I hereby apply for a Certificate of Check given to be issued after all final inspections have been called for by me and have been made by the Department of Engineering.

All Applications must be filled out by the Applicant. (Sign Here) M. C. Hall
PLANS AND SPECIFICATIONS _____ (Owner or Authorized Agent)
and other data must also be filed. (ENTER HERE: year and day and blank on other side)

FOR DEPARTMENTAL USE ONLY

ROOM	P. D. No.	GROUP	STAIRS	CHURCH	ISSUED BY
<u>023</u>	<u>3</u>	<u>H</u>		<u>2M</u>	<u>4m clear head 50' in kitchen</u>

Keep combustible material 18" from furnace

CITY OF

2

LONG BEACH

DEPARTMENT OF ENGINEERING BUILDING INSPECTOR

Application to Alter, Repair or Demolish

Cashier's Number
\$3.00
Receipt Number
48811
Date Received
2-25-47
Date Issued
2-25-47

In the Department of Engineering of the City of Long Beach.
 Application is hereby made to the Department of Engineering of the City of Long Beach, through the office of the Building Inspector, for a building permit in accordance with the description and for the purpose hereinbefore set forth. This application is made subject to the following conditions, which are hereby agreed to by the undersigned applicant and which shall be deemed conditions attaching to the granting of the permit:
 First: That the permit does not grant any right or privilege to erect any building or other structure therein described, or any portion thereof, upon any street, alley, or other public place or portion thereof.
 Second: That the permit does not grant any right or privilege to use any building or other structure therein described, or any portion thereof, for any purpose not hereinbefore specified.
 Third: That the permit shall be prohibited by ordinance of the City of Long Beach, and that the granting of the permit does not affect or prejudice any claim of title to, or right of possession in, the property described in such permit.

(Use Ink or Indelible Pencil)
 DESCRIPTION OF PROPERTY

Lot No. 6 & 7
 Block Tract Sunset Villa Tract #1
 Owner's Name M. C. Hall Owner's Address 940 W. Pacific Coast Highway
 Contractor's Firm Name owner State License None
 Contractor's Address None City License None
 Proposed Use of Building Motor car room No. of Families 1 No. of Rooms 1
 Type of Construction of Existing Building None

LOCATION OF JOB

No. 940 W. Pacific Coast Highway Street 940
 VALUATION OF PROPOSED WORK { "Value" of a Building shall be the Estimated Cost to Replace the Building in Kind. } \$1000

Engineer } State Certificate No. None
 Architect }
 Present Use of Building Motor car room
 Number of stories in height 2 Size of present building 12' x 30'
 State number of buildings on lot one How used Motor car room
 State on following lines exactly what alterations, additions, etc., will be made to the building:
Change to 2 double rooms with bathroom and kitchen
 Size of new addition None No. of Stories in height 2
 Material of foundation None Width of foundation None Depth of foundation None
 Size of Redwood Mouldings None Size of interior None
 Size of exterior work None Size of interior None
 Size of first floor joists None Second floor joists None

I have carefully examined and read the above application and know the same is true and correct, and I am doing this work in accordance with the provisions of Long Beach Ordinance and State Laws will be complied with, whether hereafter specified or not. Also in accordance with the Building Code, I hereby apply for a Certificate of Occupancy to be issued after all final inspections have been called for by me and have been passed by the Department of Engineering.

All Applications must be filed out by the Applicant.
 PLANS AND SPECIFICATIONS
 and other data must also be filed.

(Sign Here)

M. C. Hall
 (Owner or Authorized Agent)

(NOTE: Turn over and fill out page 2 of other side.)

FOR DEPARTMENTAL USE ONLY

ZONE	F. D. No.	GROUP	SET-BACKS	CHECKED BY	FILED BY
<u>C-2</u>	<u>3</u>	<u>H</u>	<u>None</u>	<u>Carey</u> 2-25-47	<u>CRB</u>

6/0 4-30-48

CITY OF

2

LONG BEACH

DEPARTMENT OF ENGINEERING
BUILDING INSPECTOR

APPLICATION TO ALTER, REPAIR OR DEMOLISH

Cashier's Number 868
2.00 ⁰⁰
Permit Number 8-231
Date Rec'd 8-27-45
Date Paid 8-29-45

To the Department of Engineering of the City of Long Beach:

Application is hereby made to the Department of Engineering of the City of Long Beach, through the office of the Building Inspector, for a building permit in accordance with the description and for the purpose hereinafter stated. This application is made subject to the following conditions which are hereby agreed to by the undersigned applicant and which shall be deemed conditions binding on the owner of the property:

First: That the permit does not grant any right or privilege to tear down building or other structure therein located, or any portion thereof, upon any street, alley, or other public place or portion thereof.

Second: That the permit does not grant any right or privilege to use any building or other structure therein located, or any portion thereof, for any purpose that is, or may hereafter be prohibited by ordinance of the City of Long Beach.

Third: That the granting of the permit does not effect or prejudice any claim of title to, or right of possession in, the property described in each permit.

(Use Ink or Indelible Pen-
DESCRIPTION OF PROPERTY

Permit No. 6-7-89-

Block _____ Tract Sunset Villa Tract
Owner's Name Happy Cooper Owner's Address 940 W. Coast Highway
Contractor's Firm Name _____ State License No. _____
Contractor's Address _____ City License No. _____
Proposed Use of Building or Structure Motel No. of Families _____ No. of Rooms _____

Type of Construction of Existing Building 2 story frame

LOCATION OF JOB

No. 940 W. Pacific Coast Highway StreetVALUATION OF PROPOSED WORK { "Value" of a Building Shall Be the Estimated Cost to Replace the Building in Kind. } \$600.00

Architect _____ State Certificate No. _____

Engineer _____

Present Use of Building _____

Number of stories in height _____ Size of present building _____

State number of buildings on lot _____ How used _____

State on following lines, exactly what alterations, additions, etc., will be made to this building:

Change 1st floor + windows in motel -Start in planning in apt # 3 for 2nd floor - 4 roomswith 2nd floor - 4 rooms - 2nd floor - 4 rooms

Size of new addition _____ No. of Stories in Height _____

Material of foundation _____ Width of footings _____ Depth below ground _____

Size of new wood studs _____ Size of interior bearing studs _____

Size of exterior studs _____ Size of interior non-bearing studs _____

Size of first floor joists _____ Second floor joists _____

I have carefully read and read the above application and know the same is true and correct, and that, in doing this work, all provisions of Long Beach Ordinances and State Laws will be complied with, whether herein specified or not. Also, in accordance with the Building Code, I hereby apply for a Certificate of Occupancy to be issued after all final inspections have been made, for by me and have been made by the Department of Engineering.

All Applications must be filed out by the Applicant.

PLANS AND SPECIFICATIONS

and other data must also be filed

(Sign Here)

Happy Cooper

(NOTE—Turn over and fill out blank on other side.)

FOR DEPARTMENTAL USE ONLY

EDUC	P. D. No.	GROUP	EXT-SALTS	INSPECTED BY	ISSUED BY
62	3	N.		<u>[Signature]</u>	<u>[Signature]</u>

C/O 3-20-47

APPLICATION FOR BUILDING PERMIT
DEPARTMENT OF PLANNING AND BUILDING
CITY OF LONG BEACH, CALIFORNIA 90801
CALL 568-5100 TO REQUEST A 1 INSPECTION

APPLICANT FILL IN ALL INFORMATION WITHIN HEAVY LINE

JOB ADDRESS
940 W. PACIFIC COAST HWY.

LOT NO. BLOCK NO. TRACT

OWNER'S NAME
CHANDULAL P. BABURGHAI

MAIL ADDRESS
2170 CARLY COURT (714)

CITY
ROWLAND HTS. 91748

CONTRACTOR
OWNER

ADDRESS
SAME

CITY
-

ARCHITECT/ENGINEER
-

ADDRESS
-

CITY
-

PRESENT BLDG. USE
MOTEL

PROPOSED BLDG. USE
SAME

DESCRIPTION OF WORK
REPAIR AS PER S/S LETTER DATED JUNE 13, 1984

BLDG. HEIGHT FT.
10'

NO. STORIES
1

NO. DWELLING UNITS
7

TOTAL AREA SQ. FT.
-

EXTERNAL EXTERIOR WALL MATERIAL ROOF
-

CONDITIONS OF WORK COVERED BY THIS PERMIT
4,000.00

UNIT NO.
1

NO. OF UNITS
1

NO. OF UNITS
1

APPLICATION FOR BUILDING PERMIT

JOB ADDRESS
940 W. PACIFIC COAST HWY.

JOB DESCRIPTION
REPAIR AS PER S/S LETTER DATED JUNE 13, 1984

CONTRACTOR
OWNER

PRESENT BLDG. USE
MOTEL

PROPOSED BLDG. USE
SAME

DATE RECEIVED
8-13-84

VALUATION
4,000.00

ENVIRONMENTAL
-

PLANNING
-

TYPE CONSTRUCTION
ALTER

PLAN CHECK NUMBER
102

SECT. CHECKS
5730

THIS FORM IS A PERMIT WHEN PROPERLY VALIDATED IN THIS SPACE

VALIDATION SPACE
1769

THIS PERMIT VOID IF NO INSPECTION WITHIN ANY 120 DAY PERIOD

EXPIRY DATE
8-13-84

PERM. FEE
37.00

NO. OF UNITS
1

NO. OF UNITS
1

NO. OF UNITS
1

NO. OF UNITS
1

NO. OF UNITS
1

NO. OF UNITS
1

NO. OF UNITS
1

NO. OF UNITS
1

NO. OF UNITS
1

Certificate of Occupancy

As Authorized By The Building Official
City Of Long Beach

This document certifies that at the time of issuance this structure, or portion thereof, was in compliance with the various ordinances of the City of Long Beach regulating building construction or use.

Address 940 WEST PACIFIC COAST HWY.

Occupancy Type COMMERCIAL/MOTEL Permit No. 961

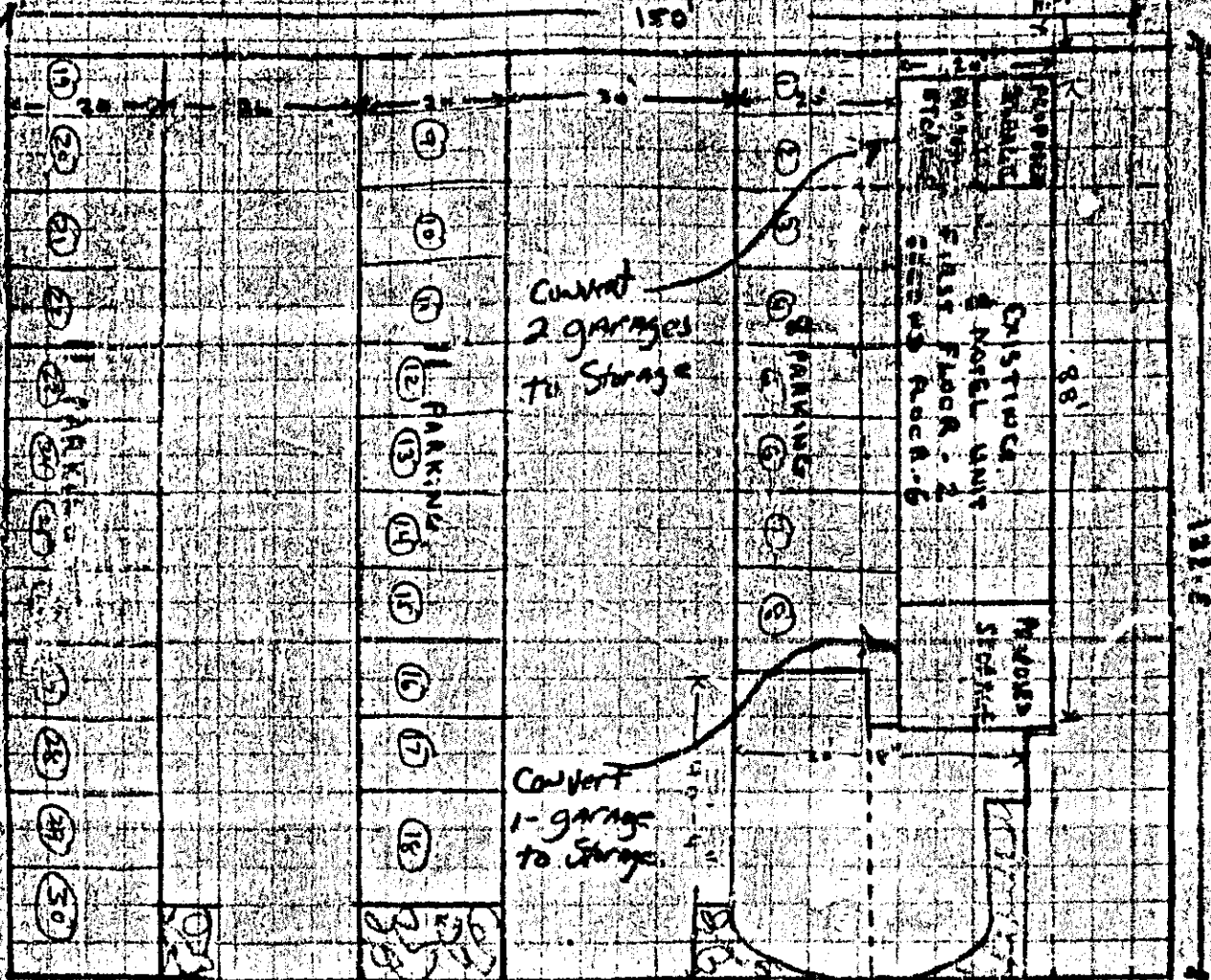
Portion of Building CONVERTING GARAGES TO STORAGE.

Max. Occupant Load _____

1/19/84
DATE

Post in a conspicuous place at or close to building entrance.

ALTER



SERIALIZED ON _____ **FILED IN** _____ **FILE NUMBER** _____

[illegible]

ST. NO. 960 W. 14th St.		FILE NO.
LOT NO. 12 & 13		DATE 11-16-36
BLOCK		PERMIT NO. F - 7461
TRACT Delta		
OWNER A. E. Fickling Lumber Co.		
ADDRESS 929 W. Anaheim St.		
CONTRACTOR "		
ADDRESS "		
USE OF BUILDING Lumber Storage		
TYPE OF CONSTRUCTION V		
DESCRIPTION OF BUILDING		
WIDTH 60	LENGTH 100	HEIGHT 20
STORIES 1	ROOMS	FAMILIES
TOTAL COST 2,000.00	FEE 4.00	

INSPECTION RECORD
(This side of card is for final inspection only—see back for detailed inspection reports)

DATE	INSPECTOR	FINAL INSPECTIONS
		EXCAV. INSP.
		FRAMING INSP.
		PLASTERING INSP.
3-25-37	Kesley	ROOFING INSP. Kesley
7-9-37	Kesley	BUILDING COMPLETION
		PLUMBING INSP.
		ELECTRICAL INSP.

TEMP. C. OF O. NO.

Date

FINAL C. OF O. NO.

Date

ST. NO. 1401 San Francisco St.		DATE
LOT NO.		7-31-29
BLOCK		PERMIT NO.
TRACY		C 24118
OWNER City of Long Beach		
ADDRESS 205 City Hall		
CONTRACTOR		
ADDRESS		
USE OF BUILDING Municipal Garage Alter.		
CLASS OF BUILDING		
DESCRIPTION OF BUILDING		
WIDTH	LENGTH	HEIGHT
STORIES	ROOMS	FAMILIES
TOTAL COST \$5,000.		FEE \$10.00
* STEEL, CONCRETE, MAJOR REPAIRS, REMOVAL.		

INSPECTION RECORD		
DATE	INSPECTOR	REPORT
		RECEIVED INS.
		PLASTERING INS.
		PLASTERING INS.
		FINAL INS.

ST. NO 1401 San Francisco St.		DATE
LOT NO. 36 to 48 incl.		11-18-82
BLOCK 9	SECURITY NO.	
TAXIT Town of Seabright	D 7324	
OWNER City of Long Beach		
ADDRESS City Hall		
CONTRACTOR		
ADDRESS		
USE OF BUILDING Carpenter Shop and Store Room		
TYPE OF CONSTRUCTION		
DESCRIPTION OF BUILDING		
WIDTH 40	LENGTH 40	MSID
STORIES	POORS	FAMIL. IFS
TOTAL COST \$1,000.		PER No fee
INSPECTION CARD		
DATE	INSPECTOR	REMARKS
		EXCAV. INS.
		FRAMING INS.
		PLASTERING INCL.
		ROOFING INS.
		FINAL INS.

B.C.T. Rev. (5-57)				APPLICATION FOR BUILDING PERMIT				Job Address		Type	
DEPARTMENT OF BUILDING AND SAFETY				CITY OF LONG BEACH, CALIFORNIA				1630 San Francisco Ave		Class. 4	
MEMPHIS 2-1941				722 PACIFIC AVENUE				Owner		Phone No.	
APPLICANT FILL IN AREA BELOW				Owner Address				Dorothy Bros.			
Job Address				1630 SAN FRANCISCO AVE				Bldg. Permit No.			
Lot No.				9 to 24							
Block No.				5				Town of		SEABRIGHT	
Owner's Name				DOROTHY BROTHERS							
Owner's Address											
Contractor				OWNER-BUILDER (LESSOR)				City Lic. No.			
Contractor's Address				1630 SAN FRANCISCO AVE.							
Architect/Engineer				CHARLES STOWART				State Lic. No.		CH762	
Description of Job				PIPE COLUMNS WITH CORRUGATED STEEL ROOF New Storage Bldg. (existing slab)							
Other Bldgs. on Lot?				YES				Minimum Distance from New Bldg.		150 FT.	
Bldg.				1				Height		12 FT.	
No. Stories				1				Area Sq. Ft.		2530	
Material Exterior Walls								Material Roof		CORR. STEEL	
Valuation				\$ 7500.00				Total Valuation		\$ 7500.00	
I have carefully examined and read the above application and know the same is true and correct, and that, in doing this work, all provisions of Long Beach Ordinances and State Law, will be complied with, whether herein mentioned or not. Also in accordance with the Municipal Code, I hereby apply for a Certificate of Occupancy to be issued after all final inspections have been called for by me and have been made by the Dept. of Building & Safety.											
Signature of Applicant				Charles Stewart				Date		7-25-58	
I certify that in the performance of the work for which this permit is issued I will not employ any person in any manner so as to become subject to the Workmen's Compensation Laws of the State of California.											
Signature of Inspector				Richard James B. Stewart				Date		7-25-58	
THIS FORM WHEN PROPERLY VALIDATED IS A PERMIT TO DO THE WORK DESCRIBED											
Job Address				1630 San Francisco Ave				Type		Class. 4	
Owner				Dorothy Bros.				Phone No.			
Owner Address											
Contractor				Owner				Phone No.			
Job Description				New metal storage bldg. (existing slab)							
Zone				M2A				Date Rec.		7-25-58	
F.D.								W.C. Lic.		4099 CF	
Group				F				Taken by		J.M.	
Set Back				None				Issued by		J.M.	
Validation Spec.								Permit Fee		.48	
☐ C.C.								AL 25-58		1 4100 BP...48.00	
☐ M.O.											
Reg. Inspect. Required				☐ Yes ☒ No							
Trench By								Date			
Steel By								Date			
Framing By								Date			
Heating Rough By								Date			
Heating Final By								Date			
Masonry By (Steel)								(Final)		Date	
Fence By (Trench)								(Steel)		Date	
Off Street Parking By								Date			
Bldg. Final By				Hally				Date		9-27-58	
Certificate of Occupancy No.								Date			
Field Cl. By								Plan Cl. Required		☐ Yes ☒ No	
Remarks				Double steel erected prior to into bldg. permit being received							

Types of Construction
 Type 1—Fire Resistive
 Type 2—Heavy Timber
 Type 3—Ordinary Masonry
 Type 4—Metal Frame
 Type 5—Wood Frame

CITY OF **1** LONG BEACH

DEPARTMENT OF ENGINEERING
BUILDING INSPECTOR
 Application for Building Permit

FOR TYPE NO. **5** BUILDING

Card No. 14200
Permit Number I-7055
Date Received 8-12-41
Date Issued 8-29-41

To the Department of Engineering of the City of Long Beach:

Applicant is hereby made to the Department of Engineering of the City of Long Beach, through the office of the Building Inspector, for a building permit in accordance with the description and for the purpose hereinafter set forth. This application is made subject to the following conditions which are hereby agreed to by the undersigned applicant and which shall be deemed conditions entering into the records of the permit:

First: That the permit does not grant any right or privilege to erect any building or other structure therein described, or any portion thereof, upon any street, alley, or other public place or portion thereof.

Second: That the permit does not grant any right or privilege to use any building or other structure therein described, or any portion thereof, for any purpose that is, or may hereafter be prohibited by ordinance of the City of Long Beach.

Third: That the granting of the permit does not affect or prejudice any claim of title to, or right of possession in, the property described in such permit.

(Use Ink or Indelible Pencil)

DESCRIPTION OF PROPERTY

Lot No. **15-16-17-18-19-20-21-22-23-24**

Block **3** Tract **Seabright**
 Owner's Name **Wigan Truck A. Way Co.** Owner's Address **2756 Santa Fe Ave**
 Contractor's Firm Name **Atkins & Wiggins** State License No. **35613**
 Contractor's Address **1221 Penn St** City License No. **38866**
 Proposed Use of Building or Structure **Shop** No. of Families No. of Rooms

LOCATION OF JOB

No. **1630** **San Francisco Ave** Street

VALUATION OF PROPOSED WORK { "Value" of a Building Shall Be the Estimated Cost to Replace the Building in Kind. } **Shop 2000**

Architect Engineer **J. H. Davis** State Certificate No.

Any other buildings on lot **1630** How used Minimum distance from proposed new building

Size of proposed building **4.9** x **6.1** feet **2940**
 Width Length Area of Foot Print

Height to highest point **25** feet. Number of stories in height **2**

Material of exterior walls **Frame & Stucco** Material of Roof **Composite**

I have carefully examined and read the above application and know the same is true and correct, and that, in doing this work, all provisions of Long Beach Ordinances and State Laws will be complied with, whether herein specified or not. Also, in accordance with the Building Code, I hereby apply for a Certificate of Occupancy to be issued after all final inspections have been called for by me and have been made by the Department of Engineering.

All Applications must be filled out by the Applicant.

PLANS AND SPECIFICATIONS
 and other data must also be filed

(Sign Here)

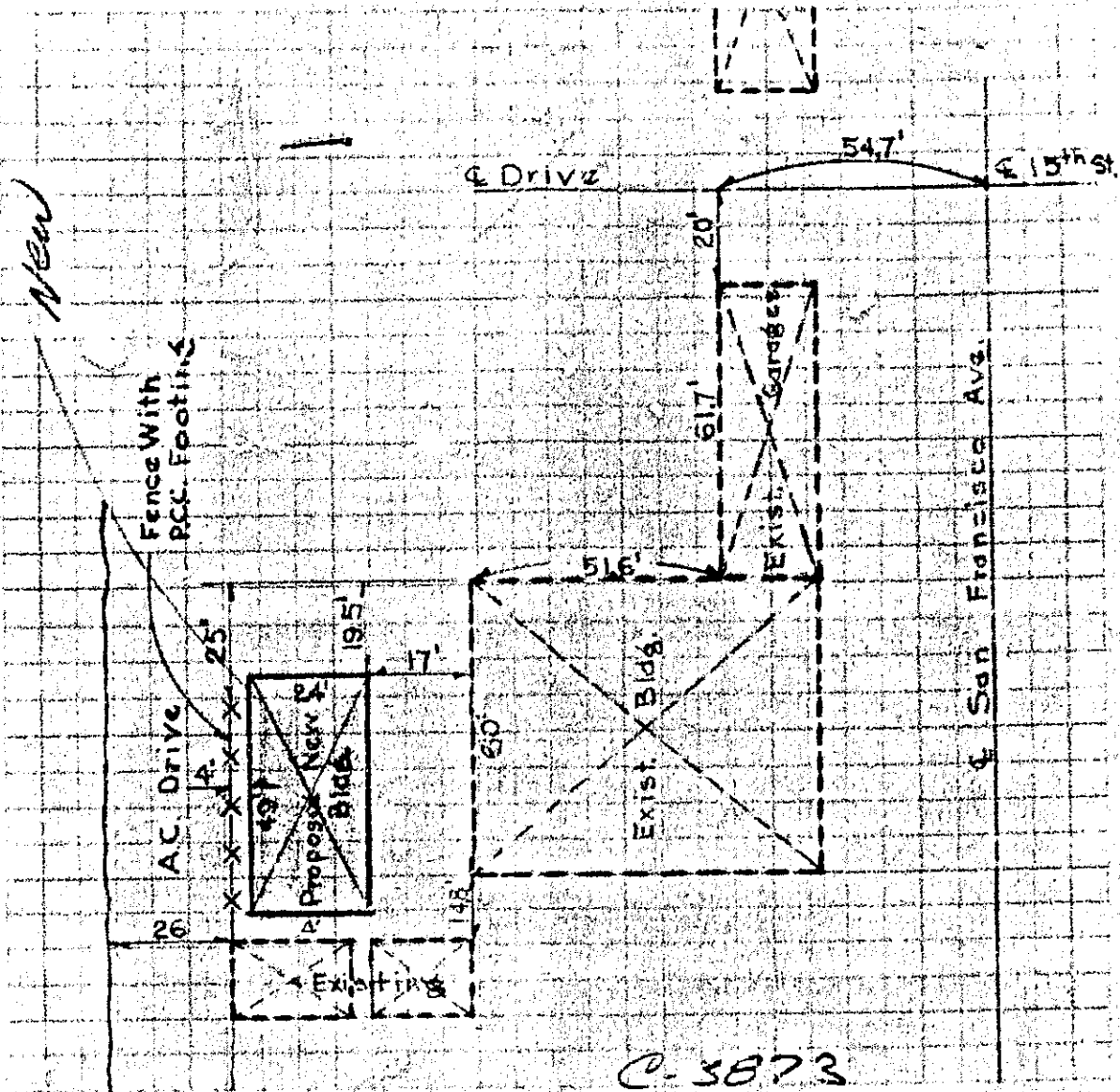
(Official or Authorized Agent)

(NOTE—Turn over and fill out blank on other side.)

FOR DEPARTMENTAL USE ONLY

ZONE	P. O. No.	GROUP	SET BACKS	CHECKED BY	ISSUED BY
M2	4	F		Agg	RF

CORO 11-18-41 **CORO 11-18-41**



USE SOFT PENCIL AND DRAW HEAVY LINES.
North arrow should be correctly placed.
Draw completely dimensioned lot plan.

Have correct legal description and address of property.
Note adjoining streets (w/ Alleys and width of Curb Cuts.
Note Location of Each Auto Parking Space.

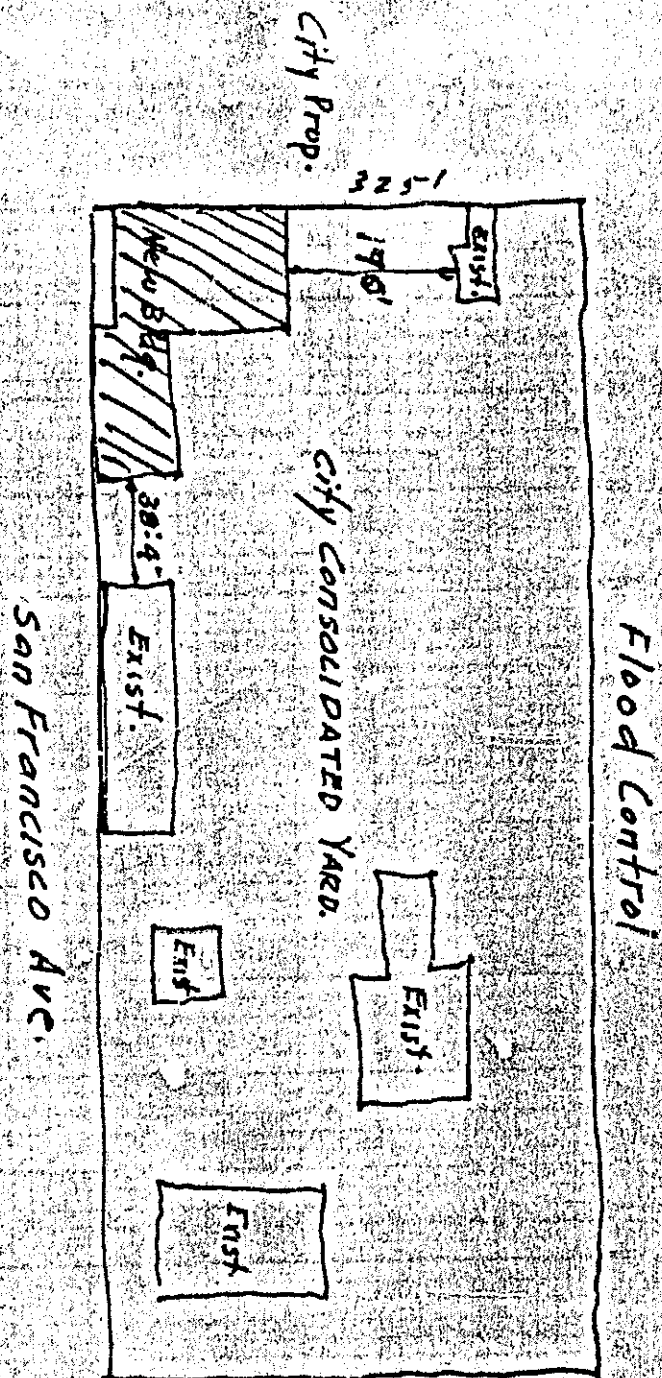
Date Rec'd. 2-13-61 Check One: New Alteration Addition Repair Demolition
Location of Job G.L.R. Public Service Yard Zone M 2 A
Owner's Name City of Long Beach Address ---
Lot City Property
Block --- Tract ---
Contractor's Name Carl Brooks Inc. Address 1366 Colorado Ave.
Valuation Of Proposed Work: \$ 4882.50 Applicant --- Phone 332-6656
CHECKED BY: Counterman --- Field Inspector --- Plat Checker ---

APPLICATION FOR BUILDING PERMIT
 DEPARTMENT OF BUILDING AND SAFETY
 CITY OF LOS ANGELES, CALIFORNIA
 FORM NO. 1 (REV. 1-65)

1001 SAN FRANCISCO	
CITY PROPERTY	
CITY OF L.B.	
205 W. Broadway	
CARL BRONKS, Inc.	57130
1316 CORONADO AVE., L.B.	5136656
FORNEY PACIFIC	CEB416
	SHAW SHOP
24249211 METAL BLDG.	
11	1176
METAL	METAL
1,883.00	
233286	AI
2-10-69	

1001 SAN FRANCISCO		
CITY OF L.B.		
205 W. Broadway		
C. Bronks		
SHAW SHOP		
M2A	2-10-69	2387
F	21m	72
Hand	21	72
5-10-70		
PC		

11 5 10 01



Paint Shop & Vehicle Shed.

26'

5870"

325,000.

276

John McFarrell

NOTICE

Separate permits required for the following work: Plastering, Roofing, Tile, Masonry, Plumbing, Electrical, Fences and Signs.
An owner, on his own single family dwelling, doing the work with his own hands, may take out a sub permit for Plastering, Roofing, Tile, Masonry and Fences only. All other type permits are required to be taken out by Long Beach licensed contractors.

DEPARTMENT OF BUILDING & SAFETY CITY OF LONG BEACH, CALIF.

Types of Construction

- Type 1—Fire Resisive
- Type 2—Heavy Timber
- Type 3—Ordinary Masonry
- Type 4—Metal Frame
- Type 5—Wood Frame

Application for Building Permit

FOR TYPE NO. 1 BUILDING

CHECK ONE

New Bldg. or Structure ☒
Addition ☐
Demolition ☐

Alteration ☐
Repair ☐

PLAN CHECK NO.

Cashier's Number
Checking Fee
Permit Fee
Permit Number
N-6530
Date Received
1-18-52
Date Issued
5-23-52

To the Department of Building and Safety of the City of Long Beach:

Application is hereby made to the Department of Building and Safety of the City of Long Beach, through the office of the Superintendent of Building, for a building permit in accordance with the description and for the purpose hereinafter set forth. This application is made subject to the following conditions which are hereby agreed to by the undersigned applicant and which shall be deemed conditions entering into the exercise of the permit:

First: That the permit does not grant any right or privilege to erect any building or other structure thereon described, or any portion thereof, upon any street, alley, or other public place or portion thereof.

Second: That the permit does not grant any right or privilege to use any building or other structure therein described, or any portion thereof, for any purpose that is, or may hereafter be prohibited by ordinance of the City of Long Beach.

Third: That the granting of the permit does not effect or prejudice any claim of title to, or right of possession in, the property described in such permit.

(Use Ink or Indelible Pencil)
DESCRIPTION OF PROPERTY

Lot No. _____

Block Portion of Block 10, B. 11212 Tract Town of Seabright

Owner's Name City of Long Beach Owner's Mailing Address City Hall

Contractor's Firm Name _____

Contractor's Address _____

City License No. _____

Present or Proposed Use of Building

or Structure Paint Shop & Vehicle Shed No. of Families _____ No. of Rooms 6

LOCATION OF JOB

No. 1601 San Francisco Ave.

Street

VALUATION OF PROPOSED WORK

"Value" of a Building Shall Be the
Estimated Cost to Replace the
Building in Kind.

\$ 67,000.00

Architect J.H. Davies
Engineer

State Certificate No. C.E. #1380

State on following lines exactly what alterations, additions, etc., will be made to this building:

Any other buildings on lot? Yes Minimum distance
How used Sheds & Warehouse on proposed new building 38'-4"

Size of proposed building or addition 121'-6" x 72'-0" feet, Area 5870'

Height to highest point 26' feet. Number of stories in height 1

Material of exterior walls Masonry Material of roof Composition

I have carefully examined and read the above application and know the same is true and correct, and that, in doing this work, all provisions of Long Beach Ordinances and State Laws will be complied with, whether herein specified or not. Also in accordance with the Building Code, I hereby apply for a Certificate of Occupancy to be issued after all final inspections have been called for by me and have been made by the Department of Building and Safety.

All applications must be filled out by the Applicant.

(Sign here) Jess B. Galtman by [Signature]
(Owner or Authorized Agent)

PLANS AND SPECIFICATIONS
and other data must also be filed.

(NOTE—Turn over and fill out blank on other side.)

FOR DEPARTMENTAL USE ONLY

ZONE	P. D. No.	GROUP	SET-BACKS	TAKEN BY	CHECKED BY	ISSUED BY
<u>M-A</u>	<u>---</u>	<u>E</u>	<u>---</u>	<u>CRB</u>	<u>[Signature]</u>	<u>[Signature]</u>

Types of Construction
 Type 1—Fire Resistive
 Type 2—Heavy Timber
 Type 3—Ordinary Masonry
 Type 4—Metal Frame
 Type 5—Wood Frame

CITY OF

1

LONG BEACH

DEPARTMENT OF BUILDING AND SAFETY
SUPERINTENDENT OF BUILDING

Application for Building Permit
 FOR TYPE NO. III BUILDING

Cashier's Number
Fee \$ <u>22.00</u>
Permit Number <u>M 6639</u>
Date Received <u>6-12-50</u>
Date Issued <u>6-16-50</u>

To the Department of Building and Safety of the City of Long Beach
 Application is hereby made to the Department of Building and Safety of the City of Long Beach, through the office of the Superintendent of Building for a building permit in accordance with the description and for the purpose hereinafter set forth. This application is made subject to the following conditions which are hereby agreed to by the undersigned applicant and which shall be deemed conditions entering into the exercise of the permit:

- First That the permit does not grant any right or privilege to erect any building or other structure therein described, or any portion thereof, upon any street, alley, or other public place or portion thereof.
 Second That the permit does not grant any right or privilege to use any building or other structure therein described, or any portion thereof, for any purpose not so or may hereafter be prohibited by ordinance of the City of Long Beach.
 Third That the granting of the permit does not affect or prejudice any claim of title to, or right of possession in, the property described in such permit.

(Use Ink or Indelible Pencil)
DESCRIPTION OF PROPERTY

Lot No. 10-11-12
 Block _____ Tract Town of Seaport Tract
 Owner's Name City of Long Beach Owner's Address City Hall
 Contractor's Firm Name _____ State License No. _____
 Contractor's Address _____ City License No. _____
 Proposed Use of Building Administration Building No. of Families _____ No. of Rooms _____
 or Structure _____

LOCATION OF JOB

No. 1601 San Francisco Ave. Street

VALUATION OF PROPOSED WORK

"Value" of a Building Shall Be the
 Estimated Cost to Replace the
 Building in Kind. \$45,250.00

Architect } J. H. Dwyer State Certificate No. _____
 Engineer }

Any other buildings on lot? Yes How used City Yard Minimum distance
 from proposed new building _____

Size of proposed building 50 x 50 feet 2500
 Width Length Area of First Floor

Height to highest point 14 feet. Number of stories in height 1

Material of exterior walls Concrete Material of roof Concrete - Camp

I have carefully examined and read the above application and know the same is true and correct, and that, in doing this work, all provisions of Long Beach Ordinances and State Laws will be complied with, whether herein specified or not. Also in accordance with the Building Code, I hereby apply for a Certificate of Occupancy to be issued after all final inspections have been called for by me and have been made by the Department of Building and Safety.

All applications must be filled out by the Applicant.
 PLANS AND SPECIFICATIONS
 and other data must also be filed.

(Sign Here)

(Owner or Authorized Agent)

(NOTE—Turn over and fill out blank on other side.)

FOR DEPARTMENTAL USE ONLY

ZONE	P. D. No.	GROUP	SET BACKS	TAKEN BY	CHECKED BY	ISSUED BY
<u>P</u>	<u>4</u>	<u>F</u>			<u>[Signature]</u>	

Types of Construction
 Type 1—Fire Resistive
 Type 2—Heavy Timber
 Type 3—Ordinary Masonry
 Type 4—Metal Frame
 Type 5—Wood Frame

CITY OF

1

LONG BEACH

DEPARTMENT OF BUILDING AND SAFETY
 SUPERINTENDENT OF BUILDING

Application for Building Permit

FOR TYPE NO. I BUILDING

Cashier's Number
Fee \$ <u>7.00</u>
Permit Number <u>M 638</u>
Date Received <u>6-12-50</u>
Date Issued <u>6-16-50</u>

To the Department of Building and Safety of the City of Long Beach:

Application is hereby made to the Department of Building and Safety of the City of Long Beach, through the office of the Superintendent of Building for a building permit in accordance with its description and to the purpose hereinafter set forth. This application is made subject to the following conditions which are hereby agreed to by the undersigned applicant and which shall be deemed conditions entering into the exercise of the permit:

- First: That the permit does not grant any right or privilege to erect any building or other structure therein described, or any portion thereof, upon any street, alley or other public place or portion thereof.
 Second: That the permit does not grant any right or privilege to use any building or other structure therein described, or any portion thereof, for any purpose that is or may hereafter be prohibited by ordinance of the City of Long Beach.
 Third: That the granting of the permit does not affect or prejudice any claim of title to, or right of possession in, the property described in such permit.

(Use Ink or Indelible Pencil)
DESCRIPTION OF PROPERTY

Lot No. 10-11-12

Block _____ Tract Town of Southright Tr.

Owner's Name City of Long Beach Owner's Address City Hall

Contractor's Firm Name _____ State License No. _____

Contractor's Address _____ City License No. _____

Proposed Use of Building or Structure Vehicle Storage & Repair No. of Families None No. of Rooms _____

No. 1601 South Pacific Ave. LOCATION OF JOB Unit #1 25'x10' = \$ 9,500
 Unit #15 20'x14' = \$ 18,850
 Unit #16 25'x24' = \$ 36,400 Street

VALUATION OF PROPOSED WORK { "Value" of a Building Shall Be the Estimated Cost to Replace the Building in Kind. } \$ 64,750

Architect/Engineer W. H. Thompson State Certificate No. _____

Any other buildings on lot? _____ How used Auto Repair Minimum distance from proposed new building _____

Size of proposed building _____ feet _____ feet _____ feet
 Width Length Area of First Floor

Height to highest point _____ feet. Number of stories in height _____

Material of exterior walls _____ Material of roof _____

I have carefully examined and read the above application and know the same is true and correct, and that in doing this work, all provisions of Long Beach Ordinances and State Laws will be complied with, whether herein specified or not. And in accordance with the Building Code, I hereby apply for a Certificate of Occupancy to be issued after all final inspections have been called for by me and have been made by the Department of Building and Safety.

All applications must be filled out by the Applicant. (Sign Here) _____
 PLANS AND SPECIFICATIONS (Owner or Authorized Agent)
 and other data must also be filed. (NOTE—Turn over and fill out blank on other side.)

FOR DEPARTMENTAL USE ONLY

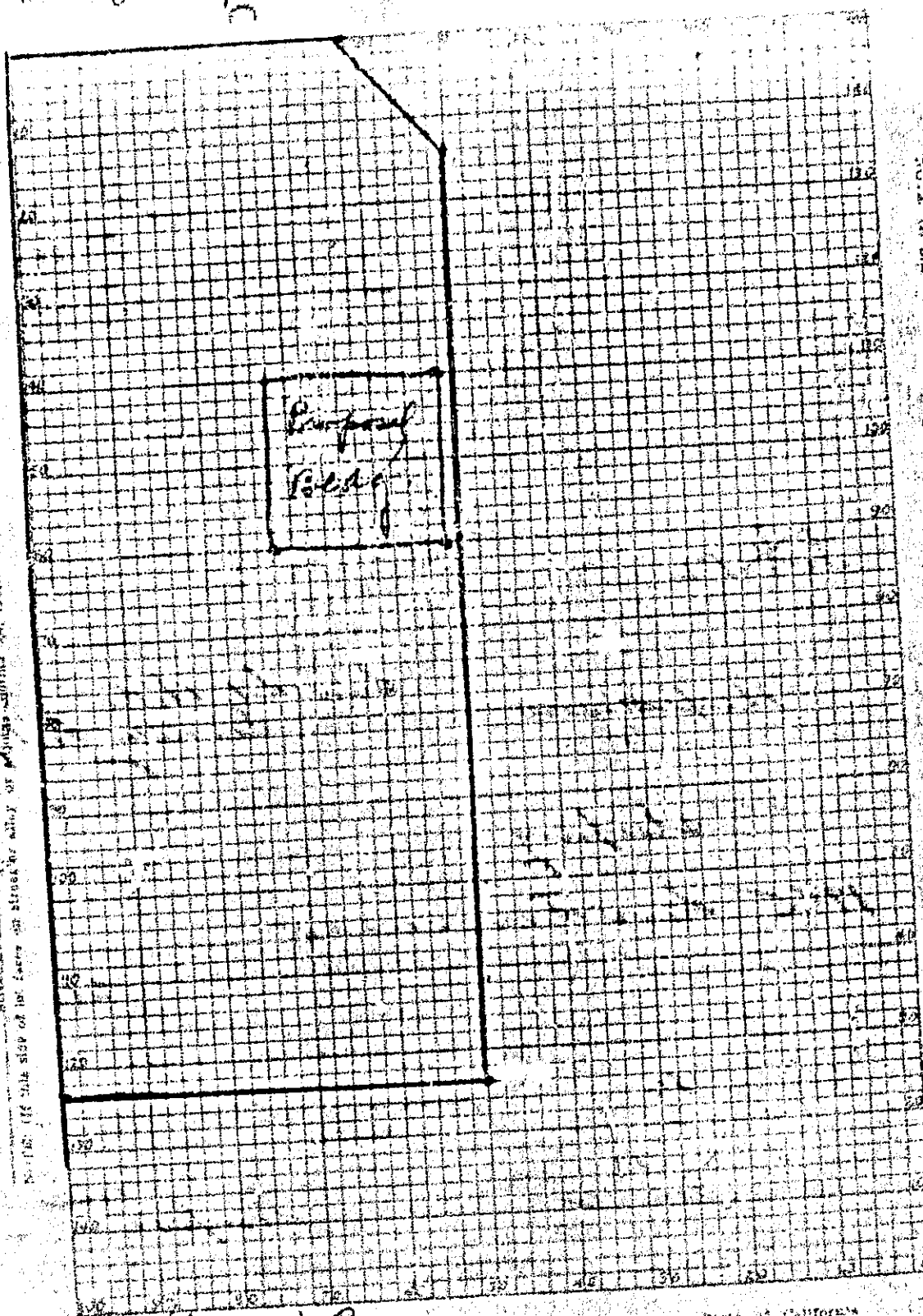
ZONE	P. D. No.	GROUP	SET-BACKS	TAKEN BY	CHIEFED BY	ISSUED BY
<u>P</u>	<u>4</u>	<u>E</u>			<u>[Signature]</u>	<u>[Signature]</u>

ST. NO. 1449 San Francisco 2			FILE NO.
LOT NO.			DATE
			5-26-39
BLOCK			PERMIT NO.
TRACT			F-384
OWNER City of Long Beach			
ADDRESS			
CONTRACTOR			
ADDRESS			
USE OF BUILDING Bunkers & Truck Shed			
TYPE OF CONSTRUCTION			
DESCRIPTION OF BUILDING			
WIDTH	LENGTH	HEIGHT	
STORIES	ROOMS	FAMILIES	
TOTAL COST \$10,000		FEE None	
INSPECTION RECORD			
(This side of card is for final inspection only—see back for detailed inspection reports)			
DATE	INSPECTOR	FINAL INSPECTIONS	
		EXCAV. INSP.	
		FRAMING INSP.	
		PLASTERING INSP.	
		ROOFING INSP.	
		BUILDING COMPLETION	
		PLUMBING INSP.	
		ELECTRICAL INSP.	
TEMP. C. OF O. NO.		Date	
FINAL C. OF O. NO.		Date	

NOTE: (If the side of lot faces an alley or adjacent lot, cross out the other two words.)

Vertical

Horizontal



1785 San Francisco Sleeping Room
 (1785 San Francisco Sleeping Room)
 122
 6100

Area of Building **Sleeping Room**
 Height of Building **10'**
 Area of Building **400 sq ft**
 Area of Lot **6000 sq ft**
 Area of Occupancy **400 sq ft**
near street

State of California
 County of Los Angeles
 AFFIDAVIT OF
 True Height and Area

I, the undersigned, being a duly qualified surveyor of land and a member of the Surveyors' Association of the State of California, do hereby certify that the foregoing is a true and correct statement of the height and area of the building and lot described in the foregoing, and that the same are in accordance with the records of the Surveyors' Association of the State of California.

Types of Construction
 Type 1—Fire Resistive
 Type 2—Heavy Timber
 Type 3—Ordinary Masonry
 Type 4—Metal Frame
 Type 5—Wood Frame

CITY OF **1** LONG BEACH
 DEPARTMENT OF ENGINEERING
BUILDING INSPECTOR
Application for Building Permit
 FOR TYPE NO. **5** BUILDING

Cashier's Number
2.20 Fee
Permit Number 2.4259
Date Received 5-24-44
Date Issued 5-24-44

To the Department of Engineering of the City of Long Beach:

Application is hereby made to the Department of Engineering of the City of Long Beach, through the office of the Building Inspector, for a building permit in accordance with the description and for the purpose hereinafter set forth. This application is made subject to the following conditions which are hereby agreed to by the undersigned applicant and which shall be deemed conditions entering into the issuance of the permit:

First: That the permit does not grant any right or privilege to erect any building or other structure therein described, or any portion thereof, upon any street, alley, or other public place or portion thereof.
 Second: That the permit does not grant any right or privilege to use any building or other structure therein described, or any portion thereof, for any purpose that is or may hereafter be prohibited by ordinance of the City of Long Beach.
 Third: That the granting of the permit does not affect or prejudice any claim of title to, or right of possession to, the property described in such permit.

(Use Ink or Indelible Pencil)
DESCRIPTION OF PROPERTY

Lot No. **2X12**
 Block _____ Tract **St. Nella & Tract**
 Owner's Name **Neap Stivers** Owner's Address **Lindsay Calif.**
 Contractor's Firm Name **same** State License No. _____
 Contractor's Address _____ City License No. _____
 Propose Use of Building **sluicing** No. of Families _____ No. of Rooms **one**
 or Str. **0**

LOCATION OF JOB

No. **1785 San Francisco** Street

VALUATION OF PROPOSED WORK

{ "Value" of a Building Shall Be the
 Estimated Cost to Replace the } **\$ 200.**
 Building in Kind.

Architect }
 Engineer }

State Certificate No. _____

Any other buildings on lot? **No.** How used _____ Minimum distance
 from proposed new building _____

Size of proposed building **20 x 20** feet **400**
 Width Length Area of First Floor

Height to highest point **11** feet. Number of stories in height **one**

Material of exterior walls **Frame** Material of Roof **asph.**

I have carefully examined and read the above application and know the same is true and correct, and that, in doing this work, all provisions of Long Beach Ordinances and State Laws will be complied with, whether herein specified or not. Also, in accordance with the Building Code, I hereby apply for a Certificate of Occupancy to be issued after all final inspections have been called for by me and have been made by the Department of Engineering.

All Applications must be filled out by the Applicant.

PLANS AND SPECIFICATIONS
 and other data must also be filed

(Sign Here) **Neap Stivers**
 (Owner or Authorized Agent)

(NOTE—Turn over and fill out blank on other side.)

FOR DEPARTMENTAL USE ONLY

BONE	F. D. No.	GROUP	SET-BACKS	CHECKED BY	ISSUED BY
62	3	2			Kennedy

31-51 Carey

B-1 Rev. (1-59) APPLICATION FOR BUILDING PERMIT DEPARTMENT OF BUILDING AND SAFETY CITY OF LONG BEACH, CALIFORNIA 90802 433-3433 APPLICANT FILL IN AREA BELOW				Job Address 1645 San Francisco		Issue Cont. 3	
Job Address 1645 San Francisco				Owner City of Long Beach		Bldg.	
Lot No. 47448				Owner Address 205 W. 1st		Valuation	
Block No. 12				Contractor Margate Const. Co.		Height	
Tract 1st Town of Delight				Job Description Pump Station		Area	
Owner's Name CITY OF LONG BEACH				Phone No.		Subj.	
Owner's Address City Hall, Long Beach				Proposed Bldg. Use		Heat	
Contractor Margate Const. Co., Inc.				Zone M-4		Date Rec. 5-28-68	
Contractor's Address P.O. Box 307, Wilmington				F.D.		W.C. Fee	
City Lic. No. 40898				Group F		Checking Fee Rec. No. 6323CF	
Phone No. 775-2731				Taken By J.M.		Checking Fee 1/24.25	
State Lic. No.				Set Backs None		Issued By J.M.	
Architect/Engineer CITY OF LONG BEACH				Validation Space		Permit Fee 248.50	
Present Bldg. Use				Proposed Bldg. Use PUMP STATION		CIRCULAR TRACK NO. 1 6324 BP *** 248.50	
Description Of Work							
REINF CONCRETE SUBSTRUCTURE & MASONRY SUPERSTRUCTURES							
Bldg. Height Ft. 12'-8"		No. Stories 1		Total Area Sq. Ft. 1500		City	
Material Exterior Walls MASONRY		Material Roof REINF CONCRETE		Reg. Inspection Required		Yes ☒ No ☐	
Volume 133,000.00		No. Families		Trench		Tile Final	
Will this be a condominium?		Yes ☐ No ☒		Steel		Plaster Final	
State Contractors License No. 24887		Class A		Roof Shig.		Heating Final	
Expires June 30, 1969		I hereby certify the information in this application is true and correct and that all Long Beach Ordinances and State Laws will be complied with in doing this work. Also, I hereby apply for a Certificate of Occupancy in accordance with the requirements of the Long Beach Municipal Code.		Roof Final		Refrig. Final	
Signature of Applicant		Date 5-28-68		Heating Rough		Masonry Final	
I certify that in the performance of the work for which this permit is issued I shall not employ any person in any manner as to be become subject to the Workmen's Compensation Laws of the State of California.		Signature		Refrig. Rough		Bldg. Final	
Date 5-28-68		Signature		Framing		Cert. of Occupancy	
Date 5-28-68		Signature		Lath		Field Cl. By	
Date		Signature		Brown Coat		Plan Cl. Req. Yes ☐ No ☐	
Date		Signature		Tie Rough		Plan Cl. By	
Remarks							
No plot shown. Job completed or inspected by engineering division							

- Types of Construction**
 Type 1—Fire Resistive
 Type 2—Heavy Timber
 Type 3—Ordinary Masonry
 Type 4—Metal Frame
 Type 5—Wood Frame

CITY OF **1** LONG BEACH

DEPARTMENT OF ENGINEERING
BUILDING INSPECTOR
 Application for Building Permit

FOR TYPE NO. 1 BUILDING

Cashier's Number
Fee
Permit Number <u>Sh 6580</u>
Date Received
Date Issued <u>7-29-41</u>

To the Department of Engineering of the City of Long Beach:

Application is hereby made to the Department of Engineering of the City of Long Beach, through the office of the Building Inspector, for a building permit in accordance with the description and for the purpose hereinafter set forth. This application is made subject to the following conditions which are hereby agreed to by the undersigned applicant and which shall be deemed conditions entering into the exercise of the permit:

First: That the permit does not grant any right or privilege to erect any building or other structure therein described, or any portion thereof, upon any street, alley, or other public place or between thereof.

Second: That the permit does not grant any right or privilege to use any building or other structure therein described, or any portion thereof, for any purpose that is, or may hereafter be prohibited by ordinance of the City of Long Beach.

Third: That the granting of the permit does not affect or prejudice any claim of title or right of possession in the property described in such permit.

(Use Ink or Indelible Pencil)

DESCRIPTION OF PROPERTY

Lot No. 1 to 12 incl
 Block 12 Tract Don J. Seabright
 Owner's Name City of Long Beach Owner's Address City Hall
 Contractor's Firm Name Frederic E. Tucker State License No. 6619
 Contractor's Address 913 Olive St. City License No. _____
 Proposed Use of Building Warehouse No. of Families _____ No. of Rooms _____
 or Structure _____

LOCATION OF JOB

No. 1643 San Francisco Ave. Street

VALUATION OF PROPOSED WORK { "Value" of a Building Shall Be the
 Estimated Cost to Replace the
 Building in Kind. } \$ 14,500

Architect _____ State Certificate No. _____
 Engineer _____

Any other buildings on lot? _____ How used _____ Minimum distance
 from proposed new building _____

Size of proposed building 60 x 114 feet
 Width Length Area of First Floor

Height to highest point 14 feet. Number of stories in height _____

Material of exterior walls concrete Material of Roof Gum

I have carefully examined and read the above application and know the same is true and correct, and that, in doing this work, all provisions of Long Beach Ordinances and State Laws will be complied with, whether herein specified or not. Also, in accordance with the Building Code, I hereby apply for a Certificate of Occupancy to be issued after all final inspections have been called for by me and have been made by the Department of Engineering.

All Applications must be filled out by the Applicant.

PLANS AND SPECIFICATIONS
 and other data must also be filed

(Sign Here) Frederic E. Tucker
 (Owner or Authorized Agent)

(NOTE—Turn over, and fill out blank on other side.)

FOR DEPARTMENTAL USE ONLY

ZONE	P. D. No.	GROUP	SETBACKS	CHECKED BY	ISSUED BY
<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>

no inspection

APPLICATION FOR BUILDING PERMIT
 DEPARTMENT OF PLANNING AND BUILDING
 CITY OF LONG BEACH, CALIFORNIA 90801
 CALL NUMBER TO REQUEST AN INSPECTION

APPLICANT FILL IN ALL INFORMATION WITHIN HEAVY LINE

1601 San Francisco Ave. LA CA.

CITY OF LONG BEACH

433 W. OCEAN BL. 2ND

LONG BEACH CA. 90802 570-4313

UNIVERSAL COMMUNICATIONS 066030

SYSTEMS INC. 703

1401 Municipal Rd N.W. 362-3701

ROCKWELL VLS 34012

Public Service HQ Same

Telephone System Improvement

INCLUDING SITE WORK, MECHANICAL

(HVC) ACCESS DOOR SECURITY

SYSTEM, HALL FIRE PROTECTION

SYSTEM FOR CITY OF LONG BEACH

PLANS SPECIFICATION R-5437

1601 San Francisco Ave

Long Beach CA 90802

UNIVERSAL COMMUNICATIONS

SYSTEMS INC.

1401 Municipal Rd N.W.

Rockwell VLS

Public Service HQ

Telephone System Improvement

INCLUDING SITE WORK, MECHANICAL

(HVC) ACCESS DOOR SECURITY

SYSTEM, HALL FIRE PROTECTION

SYSTEM FOR CITY OF LONG BEACH

PLANS SPECIFICATION R-5437

APPLICATION FOR BUILDING PERMIT

1601 San Francisco Ave

Telephone System Improvement

INCLUDING SITE WORK, MECHANICAL

(HVC) ACCESS DOOR SECURITY

SYSTEM, HALL FIRE PROTECTION

SYSTEM

UNIVERSAL COMMUNICATIONS

SYSTEMS INC.

1401 Municipal Rd N.W.

Rockwell VLS

Public Service HQ

Telephone System Improvement

INCLUDING SITE WORK, MECHANICAL

(HVC) ACCESS DOOR SECURITY

SYSTEM, HALL FIRE PROTECTION

SYSTEM FOR CITY OF LONG BEACH

PLANS SPECIFICATION R-5437

1601 San Francisco Ave

Long Beach CA 90802

UNIVERSAL COMMUNICATIONS

SYSTEMS INC.

1401 Municipal Rd N.W.

Rockwell VLS

Public Service HQ

Telephone System Improvement

INCLUDING SITE WORK, MECHANICAL

(HVC) ACCESS DOOR SECURITY

SYSTEM, HALL FIRE PROTECTION

SYSTEM FOR CITY OF LONG BEACH

PLANS SPECIFICATION R-5437

1601 San Francisco Ave

BL-123 REV. 6/11/66

CITY OF LONG BEACH
DEPARTMENT OF BUILDING AND SAFETY
ROOM 105 - CITY HALL
LONG BEACH 2, CALIFORNIA

CHANGE OF ADDRESS

Lot 1 - 8 & L & S 41 - 48
↓ ↓
Block _____
Tract DELTA TRACT - TOWN OF SEABRIGHT
Dept. PLANNING AND BUILDING Date: 02-09-83
FROM 1317 SAN FRANCISCO
TO 901 WEST ANAHEIM
CHANGE ADDRESS FOR
CONVENIENCE IN LOCAL
TOW SERVICE.
Bldg. Permit No. 8800 Proposed Use of Bldg. OFFICE
LOCATION: ONLY BLDG. ON LOT _____ REAR OF EXIST. BLDG. _____ FRONT OF BLDG. X
UPSTAIRS _____ DOWNSTAIRS _____

Clark Scan
BUILDING INSPECTOR

CITY OF LONG BEACH

INSPECTION REQUEST LINE (310) 578-6105

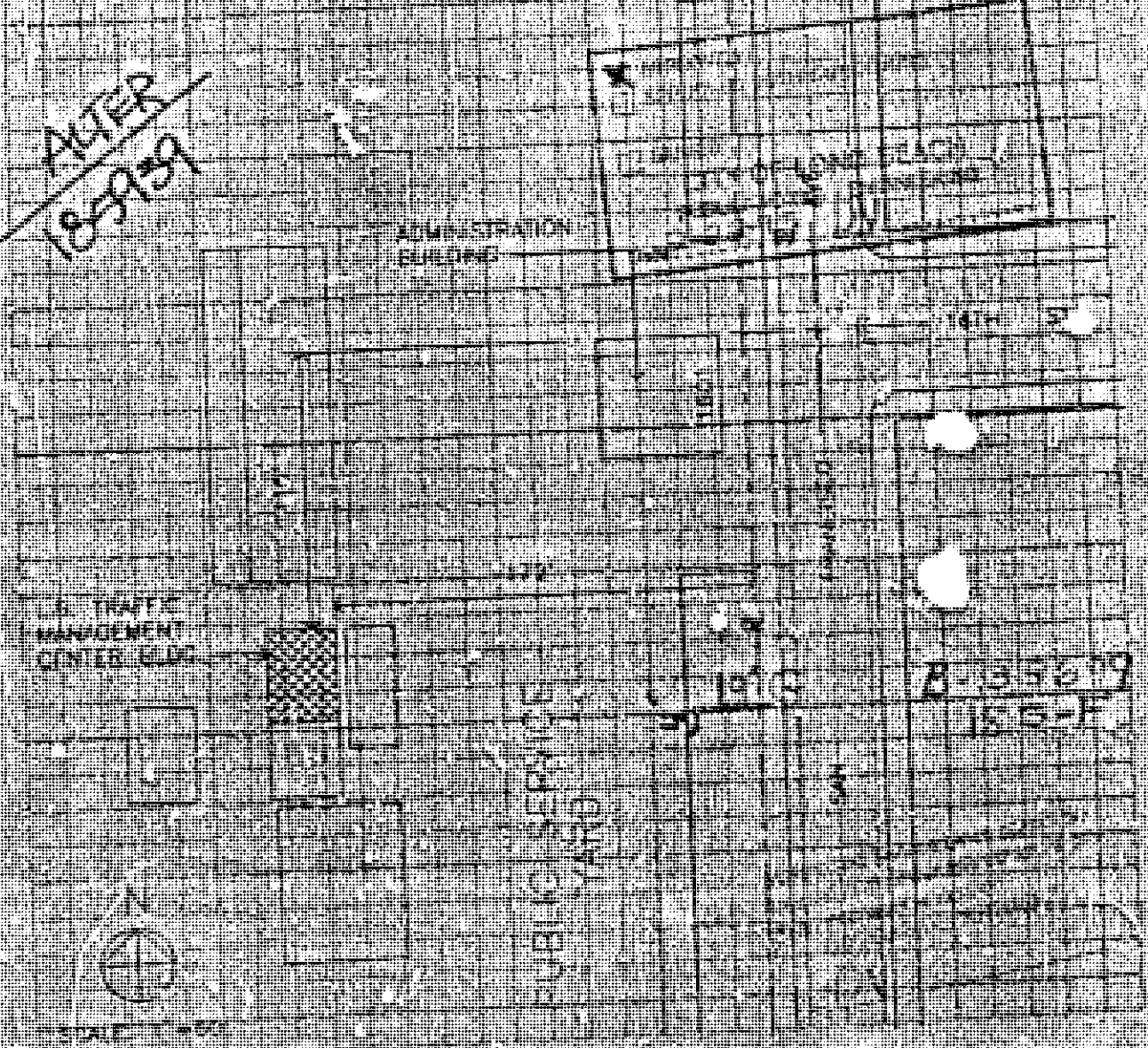
PLANNING & BUILDING
DEPARTMENT

333 W. OCEAN BLVD.
(310) 570-6551

LICENSED CONTRACTORS DECLARATION		WORKER'S COMPENSATION DECLARATION	
I hereby affirm that I am licensed under provisions of Chapter 8 of the California Business and Professions Code, and my license is in full force and effect. Licensee Class: _____ License No: _____ Date: _____ Contractor: _____ OWNER-BUILDER DECLARATION I hereby affirm that I am exempt from the Contractors License Law for the following reason (Sec 7031 California Business and Professions Code: Any City which requires a permit to construct, alter, improve, demolish or repair any structure prior to its issuance also requires the applicant for such permit to file a signed statement that he is a licensed contractor pursuant to the provisions of the Contractors License Law (C.B.P.C.) Chapter 8 of Div 3 of the B. & P. C.) Any violation of Sec 7031 & any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars (\$500.00). I am owner of the property, or my pre-employees with wages as their sole compensation will do the work and the structure is not intended or offered for sale (Sec 7044, B. & P. C.). The Contractors License Law does not apply to an owner of property who builds or improves thereon, provided that work improvements are not intended or offered for sale. However, the building or improvements is sold within one year of completion, the owner-builder will have burden of proving that he did not build or improve for the purpose of sale. I am owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec 7044, B. & P. C.). The Contractors License Law does not apply to a person who contracts for such projects with a Contractor's License pursuant to the Contractors License Law. I am exempt under Sec. _____ B. & P. C. of this section. Signature: _____ Date: _____ WARNING: Application is hereby made to the Superintendent of Building and Safety for a permit subject to the conditions and restrictions set forth in the first pages of this application. 1. Each person upon whose behalf this application is made and each person at whose behalf work is performed under or pursuant to any permit issued as a result of this application agrees to and shall indemnify and hold harmless the City of Long Beach its officers, agents and employees from any liability arising out of the issuance of any permit from this application. 2. Any permit issued as a result of this application becomes null and void if work is not commenced within ONE HUNDRED EIGHTY (180) DAYS from date of issuance of such permit.		I have and will maintain workers' compensation insurance as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance policy no: Carrier: <u>ANY POLICY</u> Number: _____ (This Section need not be completed if the permit is for one known person.) I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall furnish benefits with date provisions. Warning: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS, IN ADDITION TO THE COST OF COMPENSATION DAMAGES AS PROVIDED FOR IN SECTION 3700 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES. I hereby certify that there is a construction; leading agency for the performance of the work for which this permit is issued (Sec. 2607, P.C.). Owner's Address: _____ I certify that I have read this application and state that the above information is correct and agree to comply with all City and State laws relating to the building construction and hereby authorize representatives of this city to enter upon the above mentioned property for inspection purposes. Signature of Owner or Contractor: _____ Date: _____	
JOB ADDRESS 1601 SAN FRANCISCO AVE JOB DESCRIPTION CONV. POP. OF STORAGE B LG. INTO TRAFFIC SIGNAL OFFICE (725045) OWNER L. B. PUBLIC SERV ADDRESS 1601 SAN FRANCISCO AVE CITY LONG BEACH CA 90813 APPLICANT ORDONEZ, ALEX F CONTRACTOR PUBLIC WORKS (TRAFFIC SIGNAL) ADDRESS 333 W OCEAN BLVD CITY LONG BEACH CA 90802 STATE LICENSE NO. 541504 ARCHITECT/ENGINEER _____		RECEIPT NO. 0181861 DATE 01/12/96 PROJECT NO. C0185939 DEFICIENCY 02/10/95 GR ASSESSMENT NO. 7271007902 PERMITS PSB TRANSICTIONS BUILDING Per \$405.75 ELECTRICAL DCr \$175.00 PLUMBING Per \$61.50 MECHANICAL Per \$77.53 MECH PLAN CK Per \$23.40 PLBG PLAN CHE Per \$18.00	

1601 SAN FRANCISCO

ALTER
1859-39



DEPARTMENT USE ONLY				PLANNING DIVISION	RECORDS DIVISION	ENGINEERING DIVISION	STREET DIVISION
Date Rec'd	13/95	Class One Two	Alteration	3	Address	1601 SAN FRANCISCO AVE	Zone
Location of job	1601 SAN FRANCISCO AVE						
Owner's Name	[Blank]						
Lot	[Blank]						
Block	[Blank]						

Types of Construction
 Type 1—Fire Resistive
 Type 2—Heavy Timber
 Type 3—Ordinary Masonry
 Type 4—Metal Frame
 Type 5—Wood Frame

CITY OF **1** LONG BEACH

DEPARTMENT OF ENGINEERING
BUILDING INSPECTOR

Application for Building Permit

FOR TYPE NO. **5** BUILDING

Cashier's Number
No. 1172
Permit Number
I-7055
Date Received
8-12-41
Date Issued
8-29-41

In the Department of Engineering of the City of Long Beach:
 Applicant is hereby made to the Department of Engineering of the City of Long Beach, through the office of the Building Inspector, for a building permit in accordance with the Ordinance and for the purpose hereinafter set forth. This application is made subject to the following conditions which are hereby agreed to by the undersigned applicant and which shall be deemed conditions running into the essence of the permit:
 First: That the permit does not grant any right or privilege to erect any building or other structure therein described, or any portion thereof, upon any street, alley, or other public place or portion thereof.
 Second: That the permit does not grant any right or privilege to use any building or other structure therein described, or any portion thereof, for any purpose that is, or may hereafter be prohibited by ordinance of the City of Long Beach.
 Third: That the granting of the permit does not affect or prejudice any claim of title to, or right of possession in, the property described in such permit.

(Use Ink or Indelible Pencil)
 DESCRIPTION OF PROPERTY

Lot No. **15-14-17-18-19-20-21-22-23-24**

Block **3** Tract **Seabright**
 Owner's Name **Arizona Trust A. Way Co.** Owner's Address **1756 Santa Fe Ave**
 Contractor's Firm Name **Alphie J. Wiggins** State License No. **35613**
 Contractor's Address **1221 Penn St** City License No. **38866**
 Proposed Use of Building or Structure **Shop** No. of Families..... No. of Rooms.....

LOCATION OF JOB
 No. **1630** **San Francisco Ave** Street

VALUATION OF PROPOSED WORK "Value" of a Building Shall Be the Estimated Cost to Replace the Building in Kind. **Shop 3000**

Architect **J. H. Davis** State Certificate No.
 Engineer **J. H. Davis**

Any other buildings on lot? **No** How used..... Minimum distance from proposed new building.....

Size of proposed building **49** x **61** feet. **2440**
 Width Length Area of First Floor

Height to highest point **25** feet. Number of stories in height **6**

Material of exterior walls **Frame & Stucco** Material of Roof **Asph**

I have carefully examined and read the above application and know the same is true and correct, and that, in doing this work, all provisions of Long Beach Ordinances and State Laws will be complied with, whether herein specified or not. Also, in accordance with the Building Code, I hereby apply for a Certificate of Occupancy to be issued after all final inspections have been called for by me and have been made by the Department of Engineering.

All Applications must be filled out by the Applicant.

PLANS AND SPECIFICATIONS
 and other data must also be filed

(Sign Here) .. **J. D. Atkins**

(Owner or Authorized Agent)

(NOTE—Turn over and fill out blank on other side.)

FOR DEPARTMENTAL USE ONLY

DATE	P. D. N.	GROUP	SET BACKS	CHECKED BY	ISSUED BY
8/2	4	F		[Signature]	[Signature]

COLO 11-18-41

APPLICATION FOR BUILDING PERMIT DEPARTMENT OF BUILDING AND SAFETY CITY OF LONG BEACH, CALIFORNIA 222 PACIFIC AVENUE LONG BEACH 4, CALIF. APPLICANT FILL IN AREA BELOW				Job Address <u>1630 San Francisco Ave</u>		Type Const. <u>4</u>
Job No. <u>9-6-24</u>				Owner <u>John Bros.</u> Phone No. _____		
Date Rec'd <u>7-25-58</u>				Designer <u>[Signature]</u> Phone No. _____		
Contractor <u>Owner</u>				Job Description <u>New Mail Storage Bldg (existing slab)</u>		
Zone <u>M2A</u>				Date Rec'd <u>7-25-58</u>		
T.D. _____ W.C. In _____				Plan Ct. No. _____		
Group <u>F</u>				Checking Fee Rec. No. <u>4099 CF</u>		
Sub Ect. <u>No. 1</u>				Checking Fee <u>24</u>		
Valuation Space				Permit fee <u>48</u>		
☐ C.A. JUL 25-58 ± 4100 BP.....48.00				☐ M.O.		
Reg. Inspect. Required ☐ Yes ☒ No						
Franch By _____ Date _____						
Steel By _____ Date _____						
Framing By _____ Date _____						
Hoisting Rough By _____ Date _____						
Hoisting Final By _____ Date _____						
Masonry By (Feet) _____ (Final) _____ Date _____						
Fence By (Fence) _____ (Steel) _____ Date _____						
Civil Street Paving By _____ Date _____						
Bldg. Final By <u>Halley</u> <u>9-21-58</u>						
Certificate of Ordinance No. _____						
Field Ct. By _____ Plan Ct. Required ☐ Yes ☒ No						
Remarks <u>Double check erected prior to permit being issued</u>						
I have carefully examined and read the above application and know the same is true and correct and am doing this work as provided by Long Beach Ordinance and State Law will be completed with whatever force is specified or not, and in accordance with the International Code. I hereby apply for a Certificate of Occupancy to be issued after all other matters have been called for by me and have been made by the Dept. of Building & Safety.						
Signature of Applicant <u>John Stewart</u> Date <u>7-25-58</u>						
I hereby make a statement under oath that the work for which this permit is issued shall conform to the provisions of the City of Long Beach Ordinance and State Law.						
This permit is valid for a period of 180 days from date of issuance.						
THIS FORM WHEN PROPERLY VALIDATED IS A PERMIT TO DO THE WORK DESCRIBED						

APPLICATION FOR BUILDING PERMIT DEPARTMENT OF BUILDING AND SAFETY CITY OF LONG BEACH 2, CALIFORNIA Revised 6-6-61 APPLICANT FILL IN AREA BELOW				1630 SAN FRANCISCO CITY TOW SERVICE 1630 SAN FRANCISCO DONALD BIVENS PLUMBING & HEATING INSTALL 1-50,000 BTU HOLLY FLAT FLOOR FURN WITH THERMOSTAT	
Job Address 1630 SAN FRANCISCO		Job Description INSTALL 1-50,000 BTU		Job No. 1630	
Owner's Name CITY TOW SERVICE		Owner's Address 1630 SAN FRANCISCO		Contractor's Name DONALD BIVENS PLUMBING & HEATING	
Contractor's Address 3393 ORANGE AVE		Contractor's Phone 47727		Contractor's License No. 173338	
Proposed Building Use COMMERCIAL		Proposed Building Use COMMERCIAL		Proposed Building Use COMMERCIAL	
Foundation 1-50,000 BTU HOLLY		Foundation 1-50,000 BTU HOLLY		Foundation 1-50,000 BTU HOLLY	
Flat Floor Furnace		Flat Floor Furnace		Flat Floor Furnace	
With Thermostat		With Thermostat		With Thermostat	
Building Height 165'00"		Building Height 165'00"		Building Height 165'00"	
Volume 1265'00"		Volume 1265'00"		Volume 1265'00"	
Weight 1265'00"		Weight 1265'00"		Weight 1265'00"	
Remarks 165'00"		Remarks 165'00"		Remarks 165'00"	
Signature of Applicant DONALD BIVENS (MARK)		Signature of Applicant DONALD BIVENS (MARK)		Signature of Applicant DONALD BIVENS (MARK)	
Date 11-4-65		Date 11-4-65		Date 11-4-65	

1630 SAN FRANCISCO CITY TOW SERVICE 1630 SAN FRANCISCO DONALD BIVENS PLUMBING & HEATING INSTALL 1-50,000 BTU HOLLY FLAT FLOOR FURN WITH THERMOSTAT	
Job Address 1630 SAN FRANCISCO	Job Description INSTALL 1-50,000 BTU
Owner's Name CITY TOW SERVICE	Owner's Address 1630 SAN FRANCISCO
Contractor's Name DONALD BIVENS PLUMBING & HEATING	Contractor's Address 3393 ORANGE AVE
Contractor's Phone 47727	Contractor's License No. 173338
Proposed Building Use COMMERCIAL	Proposed Building Use COMMERCIAL
Foundation 1-50,000 BTU HOLLY	Foundation 1-50,000 BTU HOLLY
Flat Floor Furnace	Flat Floor Furnace
With Thermostat	With Thermostat
Building Height 165'00"	Building Height 165'00"
Volume 1265'00"	Volume 1265'00"
Weight 1265'00"	Weight 1265'00"
Remarks 165'00"	Remarks 165'00"
Signature of Applicant DONALD BIVENS (MARK)	Signature of Applicant DONALD BIVENS (MARK)
Date 11-4-65	Date 11-4-65

1630 SAN FRANCISCO CITY TOW SERVICE 1630 SAN FRANCISCO DONALD BIVENS PLUMBING & HEATING INSTALL 1-50,000 BTU HOLLY FLAT FLOOR FURN WITH THERMOSTAT	
Job Address 1630 SAN FRANCISCO	Job Description INSTALL 1-50,000 BTU
Owner's Name CITY TOW SERVICE	Owner's Address 1630 SAN FRANCISCO
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Contractor's Phone 47727	Contractor's License No. 173338
Proposed Building Use COMMERCIAL	Proposed Building Use COMMERCIAL
Foundation 1-50,000 BTU HOLLY	Foundation 1-50,000 BTU HOLLY
Flat Floor Furnace	Flat Floor Furnace
With Thermostat	With Thermostat
Building Height 165'00"	Building Height 165'00"
Volume 1265'00"	Volume 1265'00"
Weight 1265'00"	Weight 1265'00"
Remarks 165'00"	Remarks 165'00"
Signature of Applicant DONALD BIVENS (MARK)	Signature of Applicant DONALD BIVENS (MARK)
Date 11-4-65	Date 11-4-65

1630 SAN FRANCISCO CITY TOW SERVICE 1630 SAN FRANCISCO DONALD BIVENS PLUMBING & HEATING INSTALL 1-50,000 BTU HOLLY FLAT FLOOR FURN WITH THERMOSTAT	
Job Address 1630 SAN FRANCISCO	Job Description INSTALL 1-50,000 BTU
Owner's Name CITY TOW SERVICE	Owner's Address 1630 SAN FRANCISCO
Contractor's Name DONALD BIVENS PLUMBING & HEATING	Contractor's Address 3393 ORANGE AVE

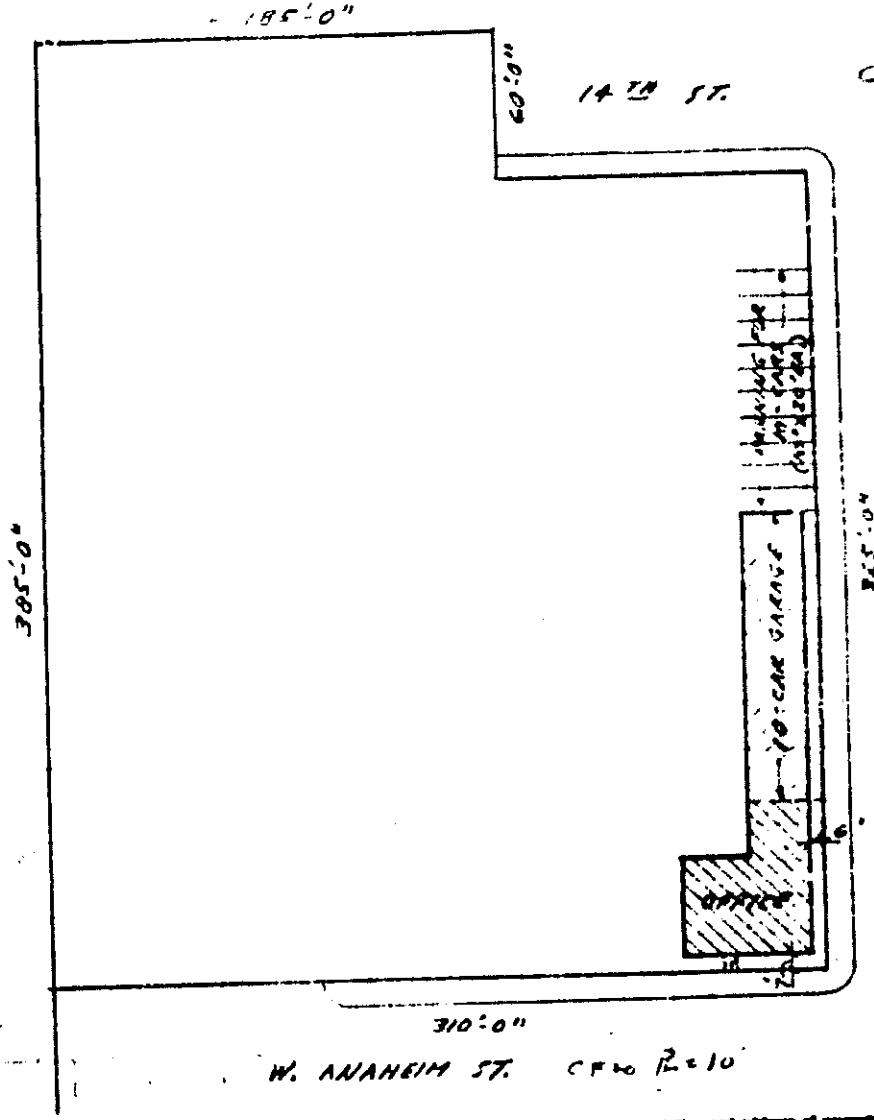
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MAY 27 66 1 8626 BP.....6.00

[illegible]

101 W. Anaheim

L.A. RIVER FLOOD CONTROL CHANNEL



1/21
C-599

BL-66 (4/66) USE SOFT PENCIL AND DRAW HEAVY LINES.
North arrow should be correctly placed.
Draw completely dimensioned Lot Plot.

Have correct legal description and address of property.
Note adjoining Streets or Avenues and width of Eave Dots.
Note Location of Each Auto Parking Space.

Date Rec'd. 2-28-82 Check One: New ☒ Alteration ☐ Addition ☐ Repair ☐ Demolition ☐

Location of Job 901 W. Anaheim, LONG BEACH, CALIF. Zone ML

Owner's Name CITY OF LONG BEACH Address 333 W. OCEAN BLVD., L.B., CA.

City Long Beach Lot 1-17-88 & 41-17-88

Block 8 Tract Delta Tract 4 - The Town of Seabright

Contractor's Name _____ Address _____

Valuation Of Proposed Work \$ 175,000 Applicant R.S. ROSS Phone _____

Checked by PLANNING - SPATIAL REQ'D Field Inspector _____ Plan Checker _____

NOTICE

Separate permits required for the following work: Plastering, Roofing, Lins, Masonry, Plumbing, Electrical, Fences and Signs.
An owner, on his own single family dwelling, doing the work with his own team, may take out a sub permit for Plastering, Roofing,
Tile, Masonry and Fences only. All other type permits are required to be taken out by Long Beach licensed contractors.

DEPARTMENT OF BUILDING & SAFETY CITY OF LONG BEACH, CALIF.

Types of Construction

- Type 1—Fire Resistive
- Type 2—Heavy Timber
- Type 3—Ordinary Masonry
- Type 4—Metal Frame
- Type 5—Wood Frame

Application for Building Permit

FOR TYPE NO. 1 BUILDING

CHECK ONE ☒ New Bldg or Structure ☐ Alteration
☐ Addition ☐ Repair
☐ Demolition

Complete Application
Checklist
Fee
State License
City License
City Seal
City Seal

To the Department of Building and Safety of the City of Long Beach, through the office of the Superintendent of Building, the undersigned hereby certifies that the above described building is to be erected on the premises hereinafter described, and that the same is to be erected in accordance with the provisions of the Building Code of the City of Long Beach, California, and that the same is to be erected in accordance with the provisions of the Building Code of the City of Long Beach, California, and that the same is to be erected in accordance with the provisions of the Building Code of the City of Long Beach, California.

(Use Ink or Indelible Pencil) DESCRIPTION OF PROPERTY

Lot No. 41042 Block 8 Ocean Boulevard
and Lots 41043 & 41044
East Beach 42nd Street

Block 8 Tract 8

Owner's Name A E Tackling Inc Owner's Mailing Address 720 W. Anaheim

Contractor's Firm Name _____ City License No. _____

Contractor's Address _____

Present or Proposed Use of Building _____ No. of Families _____ No. of Rooms _____

or Structure Frame Storage

No. 929 LOCATION OF JOB Anaheim Street 8

VALUATION OF PROPOSED WORK

Architect Arthur W. Marshall State Certificate No. C-681

Engineer _____

State on following lines exactly what alterations, additions, etc., will be made to this building:

Any other buildings on lot? yes How used dwelling Minimum distance from proposed new building 7.6

Size of proposed building or addition 20 x 160 feet Area 3200

Height to highest point 20 feet Number of stories in height Two

Material of exterior walls Brick Material of roof Asphaltum

I have carefully examined and read the above application and know the same is true and correct, and that I am doing this work on premises of Long Beach Ordinances and State Laws will be complied with, whether herein specified or not. Also in accordance with the Building Code of the City of Long Beach, California, and that the same is to be erected in accordance with the provisions of the Building Code of the City of Long Beach, California.

All applications must be filled out by the Applicant: (Sign here) A E Tackling Inc

PLANS AND SPECIFICATIONS and other data must also be filed. (NOTE—Turn over and fill out blank on other side)

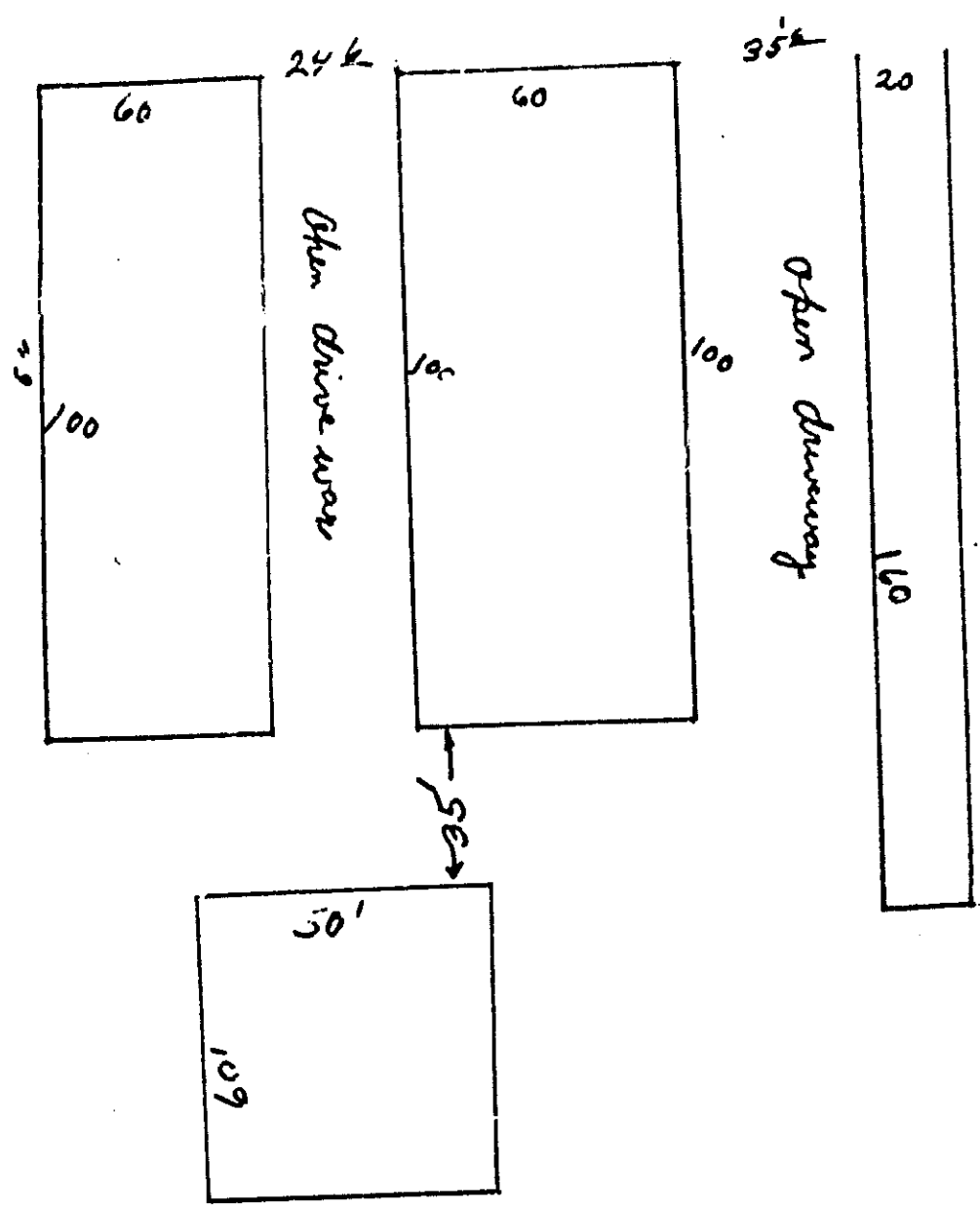
FOR DEPARTMENTAL USE ONLY

ZONE	F. D. No.	GROUP	SET-BACKS	TAKEN BY	CHECKED BY	ISSUED BY
<u>M2A</u>	<u>4</u>	<u>F</u>			<u>1021</u>	

Copy: 1-3-52

11 E 22

Ampl. NY 2



L.L. / 50' /
20
3200
631.00
15.200 /



SCS ENGINEERS

1953 Aerial Photograph



**EDR™ Environmental
Data Resources Inc**

"Linking Technology with Tradition"

Sanborn® Map Report

Ship To: Loran Bures
SCS Engineers
3711 Long Beach
Long Beach, CA 90807

Order Date: 4/9/2004 **Completion Date:** 4/12/2004

Inquiry #: 1168662.2s

P.O. #: 01-13912

Site Name: Long Beach Public Service Yard

Address: W 15th St/San Francisco Ave

City/State: Long Beach, CA 90813

Cross Streets:

Customer Project: 01204007.00
1051389MOR 562-426-9544

Based on client-supplied information, fire insurance maps for the following years were identified

1949 - 3 Maps
1950 - 1 Map
1963 - 3 Maps
1969 - 1 Map

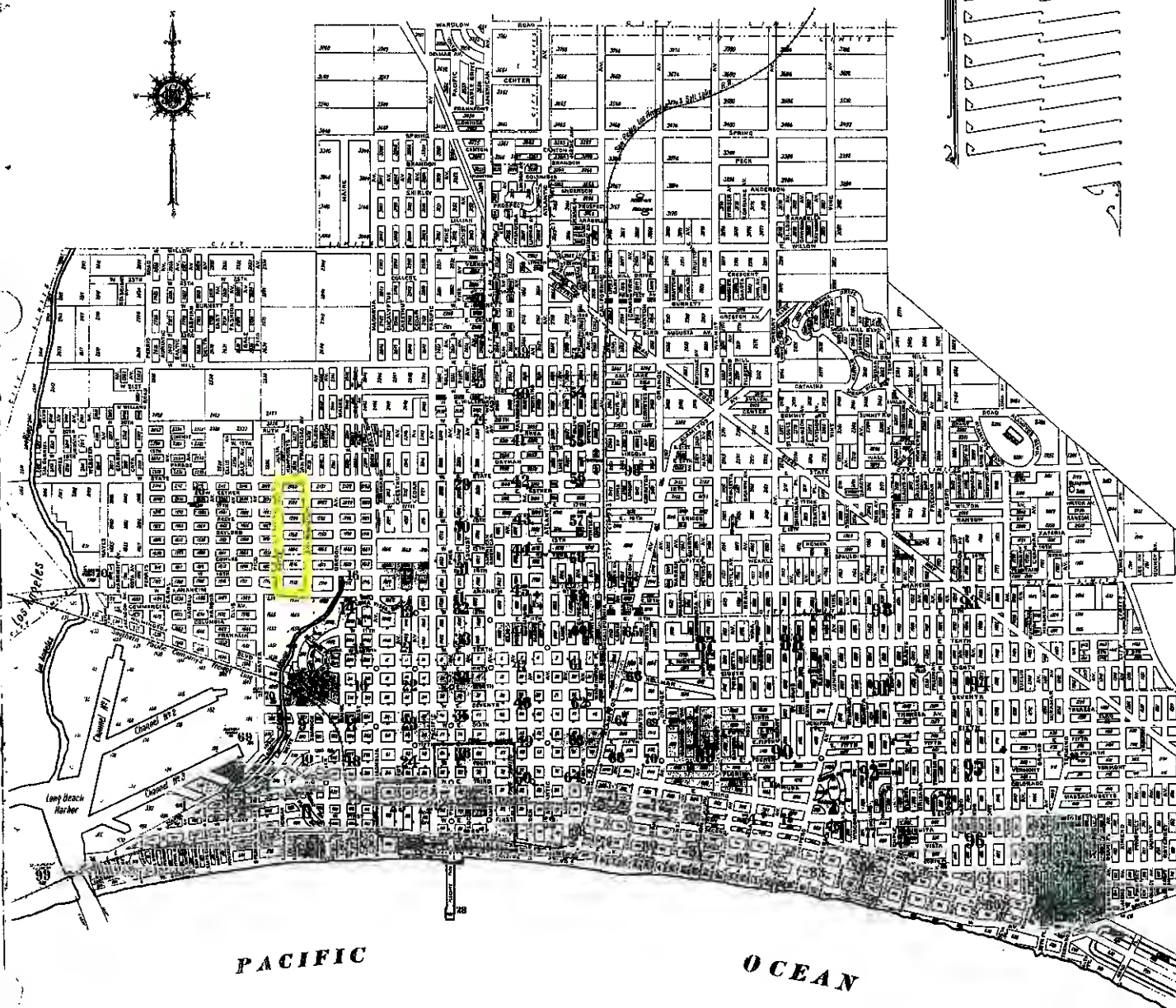
Limited Permission to Photocopy

Total Maps: 8

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1000000
LONG BEACH, CAL. VOL. 3, OAL... 918

307

OCT. 1942

SCALE 10" = 1" TO AN INCH

306

W. PACIFIC COAST HWY

W. ESTHER 60 ft wide

W. 17TH ST 60 ft wide

W. 16TH ST 60 ft wide

W. 15TH ST 60 ft wide

W. COWLES

326

327

LOS ANGELES COUNTY FLOOD CONTROL CHANNEL
IMPAIRED DRAIN



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Year: 1949
ESRI Research Associate

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JW
EOR Research Associates

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CAL 018

Lowie Street Cal. Vol. 3

SCALE 100 FT. TO AN INCH

306
A
OCT. 1942

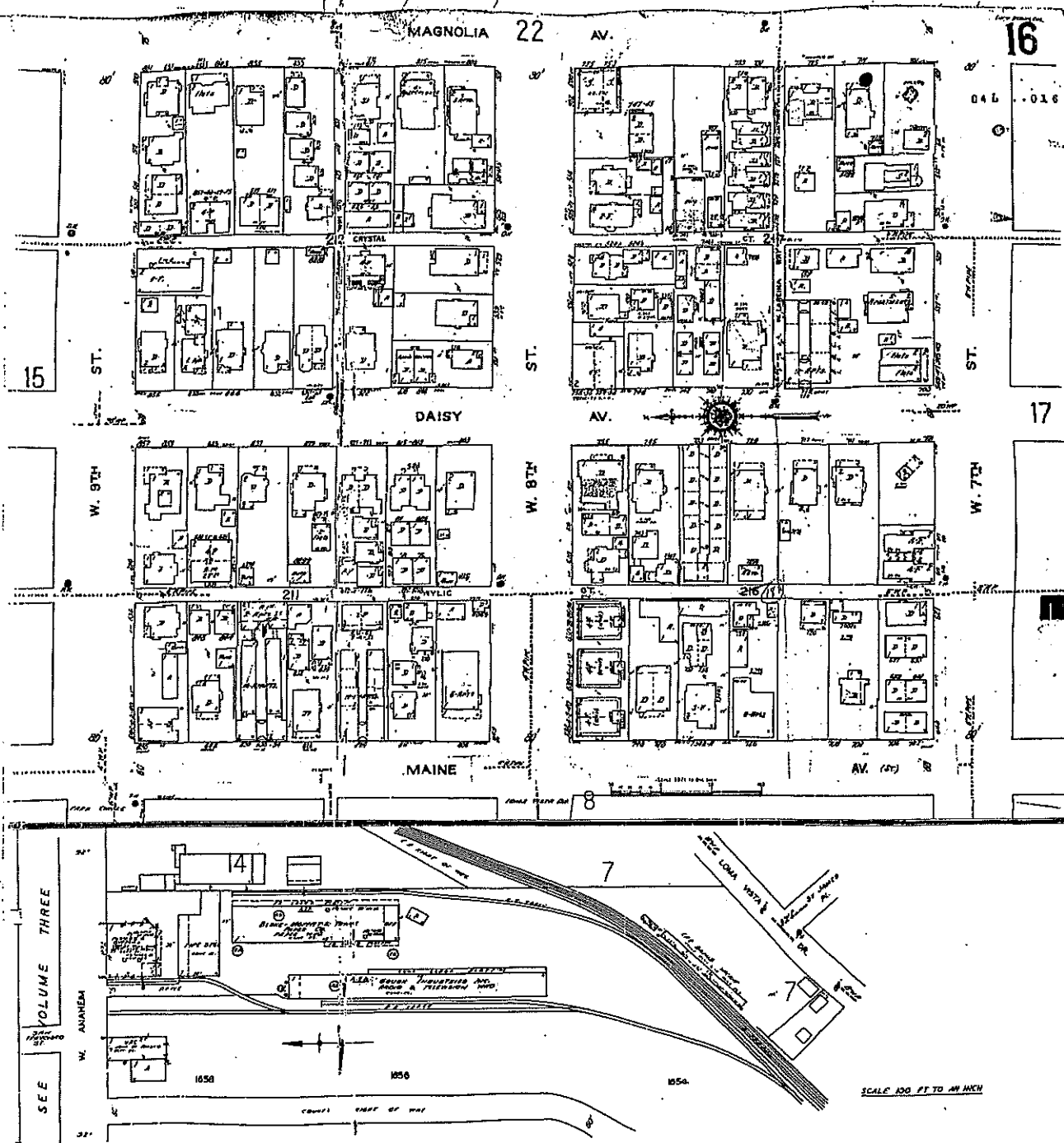


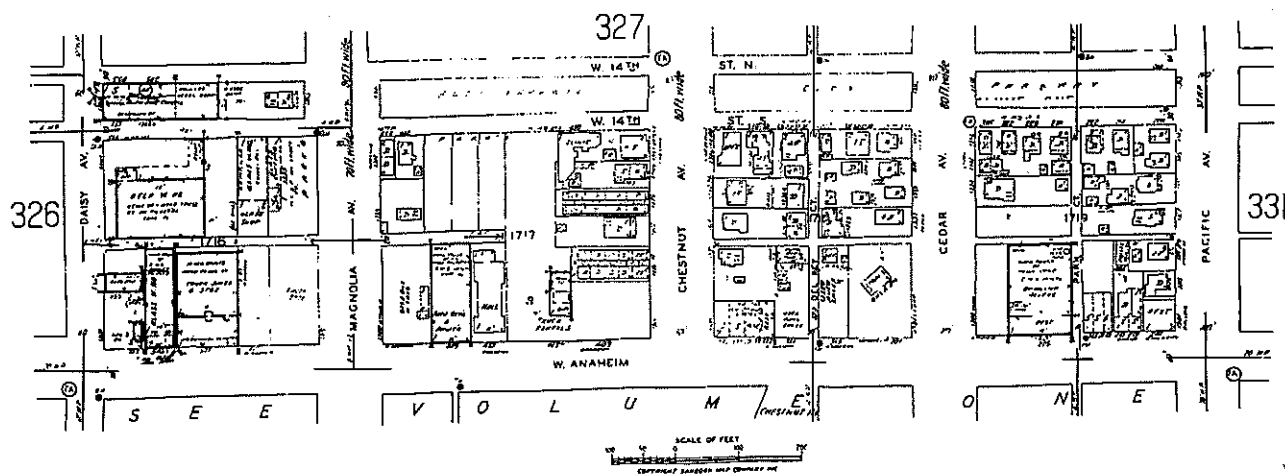
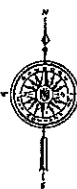
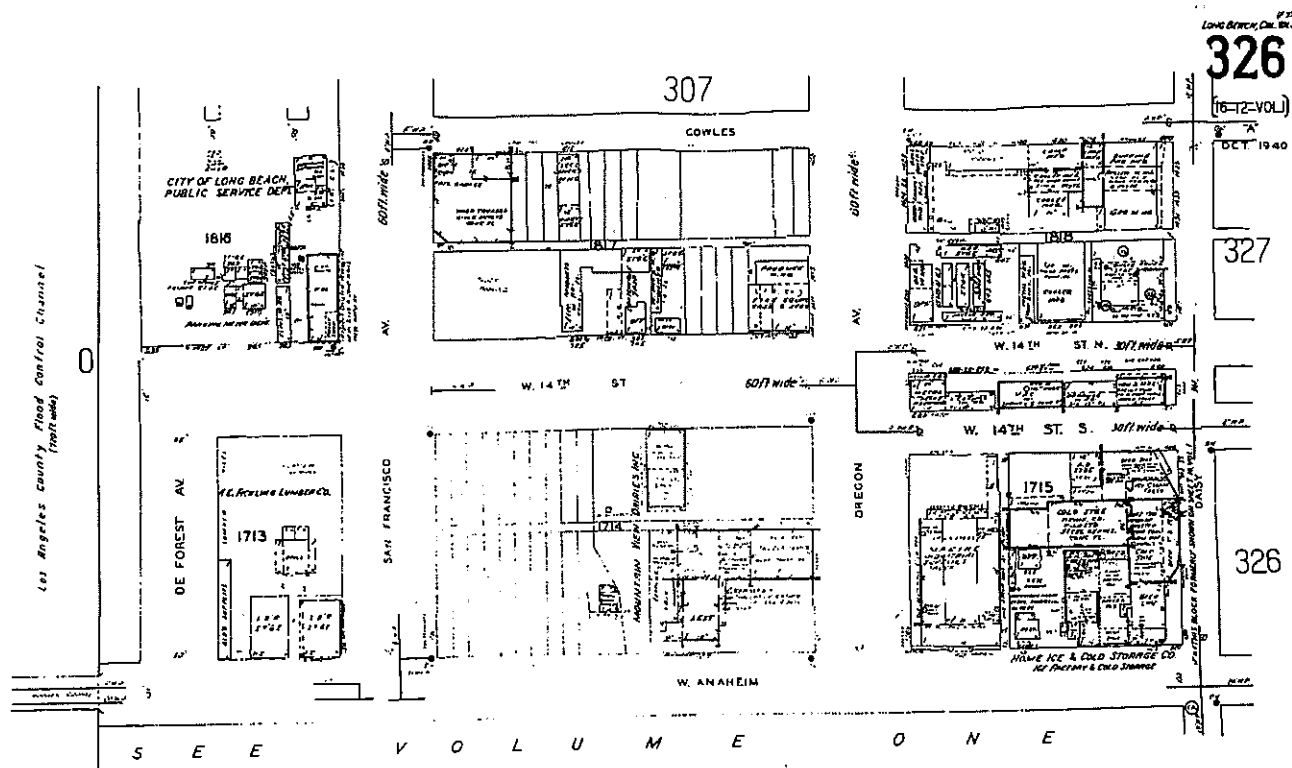
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LOS ANGELES TIMES EDITORIAL CHAMBER

(UNITS 200)







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Year: 1940
EOR Research Associates

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The Sanborn Library, LLC

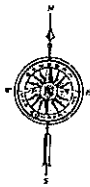
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Sanborn Fire Insurance Co. Vol. 3

306

"A"
OCT 1942

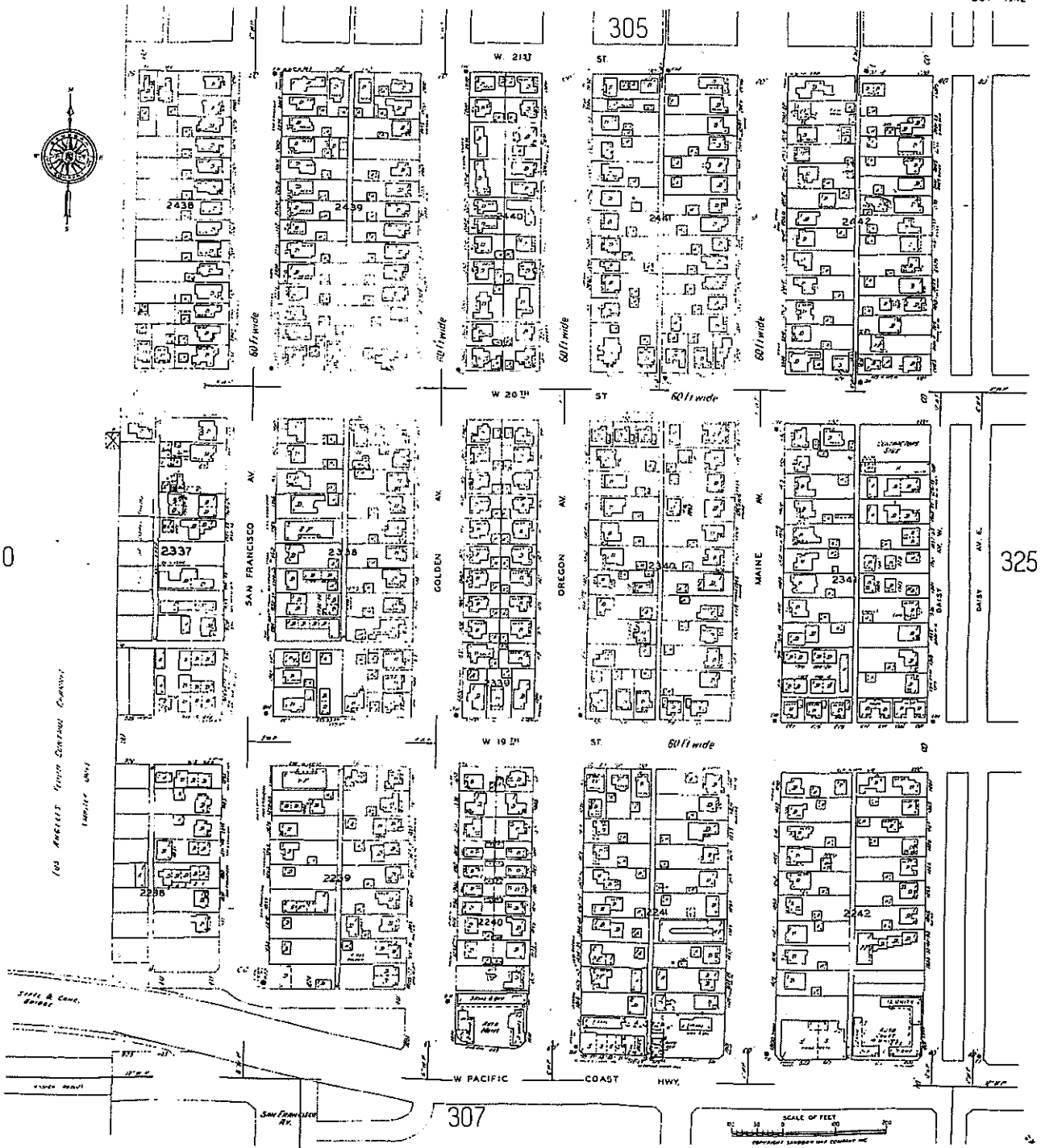


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LOS ANGELES COUNTY CENTRAL COUNCIL

1942-1943

STREET & CONC. BRIDGE



325

307

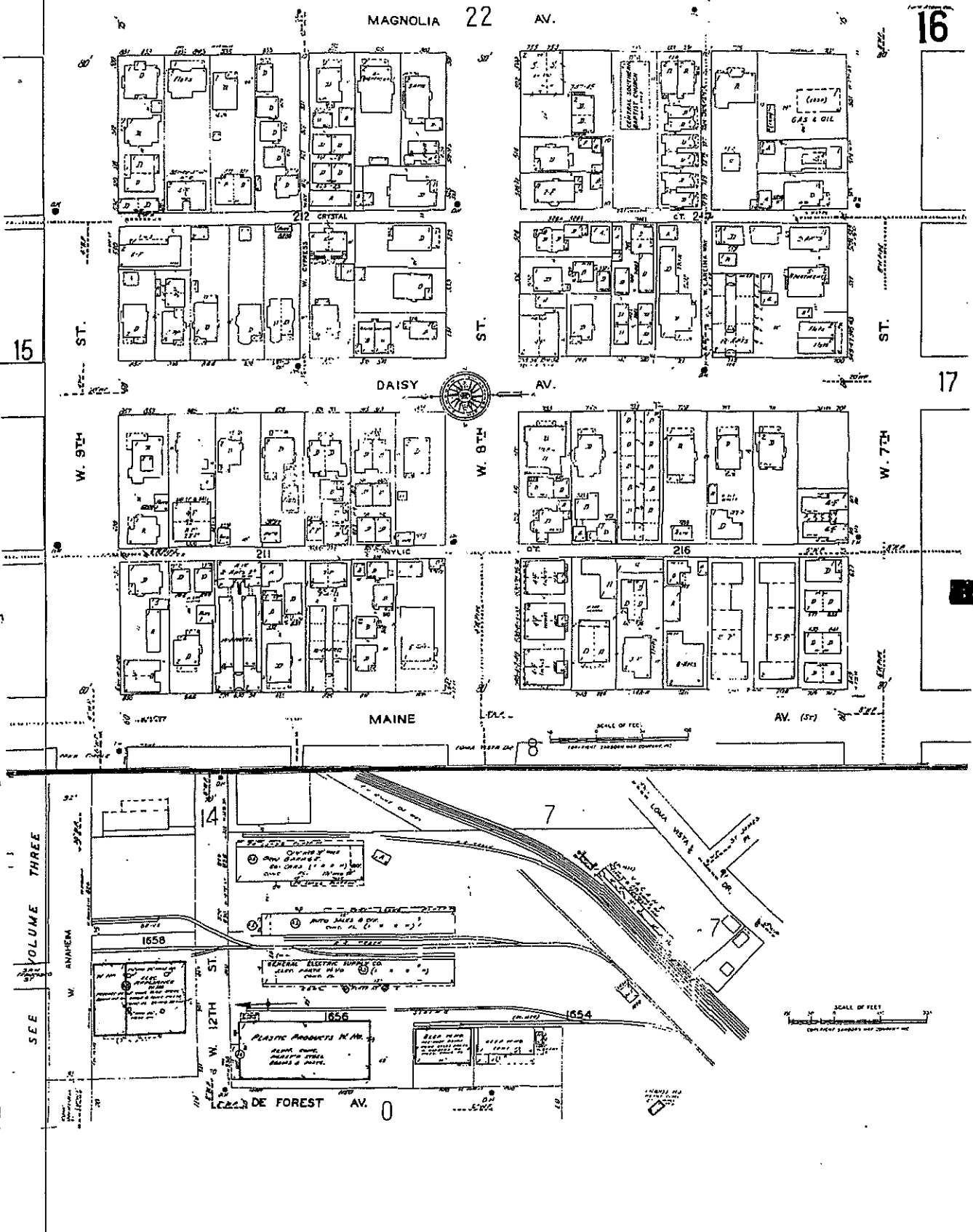
SCALE OF FEET
0 10 20 30 40 50 60 70 80 90 100
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Year: 1917 EDR Research Associates

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DATE: 11/11/85

CHIT 8093 36 51 56 7

CITY OF LOS ANGELES
1981
1984
1985

33408157

RENTAL CHIT 8093 36 51 56 7

RENTAL CHIT 8093 36 51 56 7

RENTAL CHIT 8093 36 51 56 7

RENTAL CHIT 8093 36 51 56 7

RENTAL CHIT 8093 36 51 56 7

RENTAL CHIT 8093 36 51 56 7

RENTAL CHIT 8093 36 51 56 7

DO NOT WRITE BELOW THIS LINE

UNITED STATES
WASTE MANIFEST

CA03871 632435 06 06 6

23406062

City of Los Angeles Public Works Department
San Francisco, CA 94103
City of Los Angeles
742 514 2133

Waste Management CA03871 632435 06 06 6

Waste Management CA03871 632435 06 06 6
City of Los Angeles
742 514 2133

Waste Management CA03871 632435 06 06 6
Waste Management CA03871 632435 06 06 6
Waste Management CA03871 632435 06 06 6

Waste Management CA03871 632435 06 06 6
Waste Management CA03871 632435 06 06 6

7004 40624

Green H. Kent
Waste Management

[Signature]

07 06 33
03 06 03

DO NOT WRITE BELOW THIS LINE

APPENDIX D
OIL & GAS [DOGGER] AND LANDFILL MAPS



-33° 47' 00"

SCS ENGINEERING
LIBRARY

5.0.0.07

STATE OF CALIFORNIA DEPARTMENT OF CONSERVATION DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES



JULY 15, 2000

LEGEND

- DRILLING
- DRILLING-IDLE
- BURIED-IDLE
- PLUGGED AND ABANDONED-DRY HOLE
(Showing year drilled and total depth)
- COMPLETED-OIL
- IDLE-OIL
- BURIED IDLE-OIL
- PLUGGED AND ABANDONED-OIL
- * COMPLETED-GAS
- * GAS-OPEN TO OIL ZONE
- * IDLE-GAS
- * BURIED IDLE-GAS
- * PLUGGED AND ABANDONED-GAS

- COMPLETED WATERFLOOD
- OIL WELL CONVERTED TO WATERFLOOD
- DUAL COMPLETION-PRODUCING OIL AND WATERFLOOD
- COMPLETED WATER DISPOSAL
- IDLE-WATER DISPOSAL
- OIL WELL CONVERTED TO WATER DISPOSAL
- DUAL COMPLETION-PRODUCING OIL AND DISPOSAL WELL
- COMPLETED STEAMFLOOD / HOT WATERFLOOD
- COMPLETED FIREFLOOD
- COMPLETED GAS INJECTION
- OIL PRODUCING AND GAS INJECTION
- OBSERVATION
- COMPLETED WATER SOURCE
- IDLE-WATER SOURCE

////// FIELD BOUNDARY

||||| FIELD MAP AND OFFSHORE MAP BOUNDARY

(USL) FEDERAL LEASE

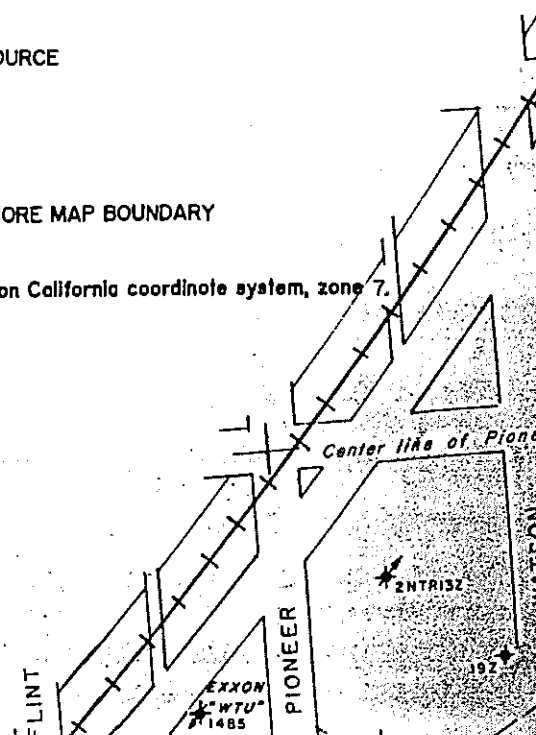
10,000 foot grid based on California coordinate system, zone 7.

NOTE:

WELLS WITH DIRECTIONAL SURVEYS ON FILE WITH THE
DIVISION OF OIL AND GAS ARE INDICATED WITH A SHORT
LINE UNDER THE WELL SYMBOL.

CURRENT WELL STATUS SHOULD BE CONFIRMED AT THE
APPROPRIATE DIVISION OF OIL AND GAS DISTRICT OFFICE.

DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES
801 K STREET, MS 20, SACRAMENTO, CALIFORNIA 95814

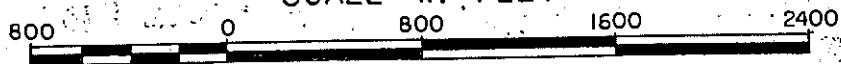


27 | 26
34 | 35

4,255,000

STATE OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS,
AND GEOTHERMAL RESOURCES

SCALE IN FEET



JULY 29, 2000

ENGINEERS
LIBRARY

LEGEND

- DRILLING
- ◊ DRILLING - IDLE
- ⊕ PLUGGED AND ABANDONED-DRY HOLE
- COMPLETED-OIL (showing year drilled & total depth)
- ◐ IDLE - OIL
- ◆ PLUGGED AND ABANDONED-OIL
- ⊙ COMPLETED WATER FLOOD
- ⊖ COMPLETED WATER DISPOSAL
- ▽ COMPLETED WATER SOURCE
- ★ COMPLETED-GAS
- ⊙ PLUGGED AND ABANDONED-GAS
- ⊙ IDLE - GAS
- ⊙ COMPLETED OBSERVATION
- ⊙ COMPLETED FIRE FLOOD
- //// FIELD BOUNDARY
- ⊕ 1000 FOOT GRIDS BASED ON CALIFORNIA LAMBERT COORDINATE SYSTEM, ZONE 7
- ★ GAS - OPEN TO OIL ZONE
- ||||| ADJOINING MAP BOUNDARY

⊙ STEAM FLOOD
⊙ BURIED IDLE



NOTE: WELLS WITH DIRECTIONAL SURVEYS ON FILE WITH THE DIVISION OF OIL AND GAS ARE INDICATED WITH A SHORT LINE UNDER THE WELL SYMBOL. ALMOST ALL OFFSHORE WELLS DRILLED DIRECTIONALLY. CURRENT WELL STATUS SHOULD BE CONFIRMED AT THE APPROPRIATE DIVISION OF OIL AND GAS DISTRICT OFFICE

3 | 2

DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES
801 K STREET, MS 20, SACRAMENTO, CALIFORNIA 95814

4,030,000

118°12'30"

33°47'00"

ANAHEIM
INTERCHANGE

R.B.O.R.

T.R.

(FASHION)

ST.

HARBOR

John M. Stahl
"Van Trees"

Salvatore Notali, Jr.
"T and"

Pacific Energy Res.
"L.A.C.F.C.D."

Pacific Energy Res.
"N-3-C"

Pacific Energy Res.
"L.A.C.F.C.D."

Pacific Energy Res.
"N-3-C"

F.E. Fairfield
(Golden Circle)

Mobil Oil
M712E

Recknagel B. Mangold Oil
"W.A."

Harmon Pet. Co.
"Harbor"

Hammarson Oil Co.

SHOEMAKER
BRIDGE

8th
St.

DR.

35 36

NORTH
SOUTH

Mobil Oil Corp.
(M-)(-E)

Mobil Oil Corp.
(Channel 3 Comm.)

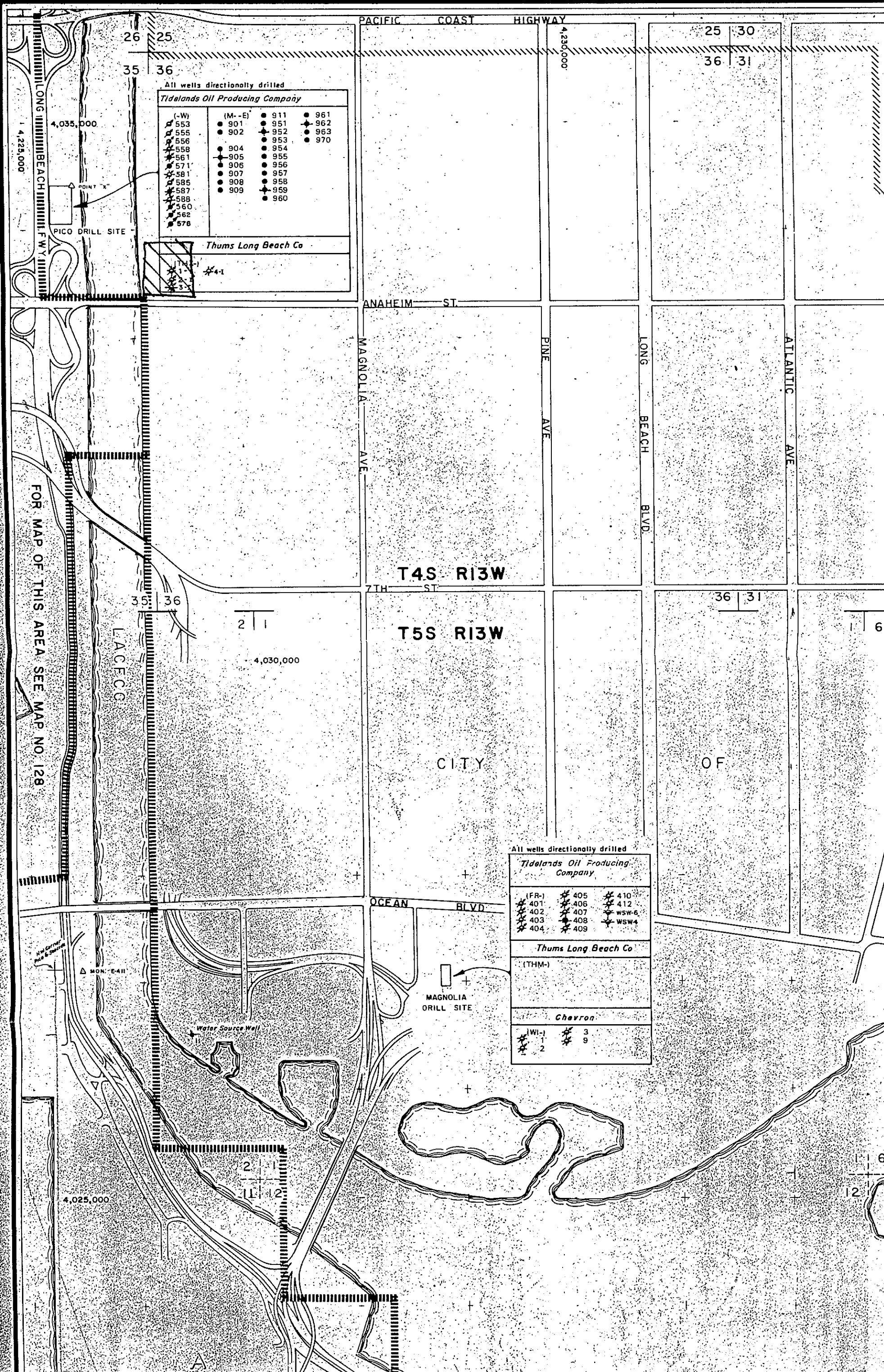
D.J. Pickett B.E.W. Meyer
"San Carlos"

F.E. Fairfield
"Channel 3 Comm."

HARBOR

CONTROL CHANNEL

4,030,000
FEET (7)



All wells directionally drilled
Tidelands Oil Producing Company

(-W)	(M--E)	
553	901	911
555	902	951
556		952
558		953
561	904	954
571	905	955
581	906	956
585	907	957
587	908	958
588	909	959
560		960
562		
578		

Thums Long Beach Co

(TH-)

1	4-1
2	
3	

All wells directionally drilled
Tidelands Oil Producing Company

(FR-)		
401	405	410
402	406	412
403	407	WSW-6
404	408	WSW-4
	409	

Thums Long Beach Co

(THM-)

Chevron

(WI-)	3
1	9
2	

MAGNOLIA
DRILL SITE

Water Source Well

APPENDIX E

REGULATORY AGENCY FILE REVIEW INFORMATION

(LB Fire Department, DHHS and RWQCB Records)

Page No. 291
3/28/03
7:56:06

LONG BEACH FIRE DEPARTMENT
FIRE PREVENTION BUREAU
-- Underground Storage Tanks --

Tanks	Tank Test	Leak	Strt Number	Street Name	Business Name		
				04/08/75	SWENSON-> W.W.IRWIN INST VAPOR RECOVERY FOR GORDON'S TEXACO		
				05/21/70	SWENSON-> MCALPINE INSTALLED 8M F908244 FOR SHELL (2 3M,4M,550 W/O) EXISTING		
0F	*****	*****	1203	SAN ANTONIO DR **		DF	-> 5929
				01/24/74	SWENSON-> A-1 LAND TRACT RMVD 4 (2 4M,2M,550) FOR BIXBY LAND. NO INFO ON ORIGINAL INSTALL		
2T	Dual Walled		1500	E SAN ANTONIO DR **	FOREST LAWN MEMORIAL PARK-2 D/W TOTAL CO	LB	-> 696
				09/04/97	PORTER-> ELECTRONIC MONITOR CERTIFIED (LEAK ALERT LA-04)		
				05/06/97	PORTER-> A & B FORMS, WRMP AND FINANCIAL RESPONSIBILITY OK		
				03/00/91	SWENSON-> DIRTY-RWQCB LEAD		
				12/18/90	SWENSON-> DIRTY-HEALTH LEAD		
				11/14/90	SWENSON-> RAETEC INST 2 (3M & 1M DSL) D/W TOTAL CONTAINMENT		
				11/13/90	SWENSON-> RAETEC REMOVED 2 (2M,3M) SUNNYSIDE CEMETERY		
0F	*****	*****	0620	SAN FRANCISCO AVE **		DF	-> 5930
				12/26/74	SWENSON-> MIKE DREWS CONST RMVD 2 3M FOR EAST INDIA IMPORTING. NO INFO ON ORIGINAL INSTALLATION		
0T	*****	*****	1444	SAN FRANCISCO AVE **	THE FOODBANK OF SOUTHERN CALIFORNIA	LB	-> 1636
				10/08/90	SWENSON-> DIRTY RWQCB LEAD		
				09/14/90	SWENSON-> MANESS REMOVED 4 (12M,2 4M,1M) 2ND HARVEST FOOD BANK		
0T	*****	*****	1630	SAN FRANCISCO AVE **		LB	-> 1924
				02/24/84	CARTER-> MOINE REMOVED 2 (10M UNREADABLE,3M A859748) FOR CITY TOW. WHAT ABOUT THE OTHER 10M? NO INFO ON ORIGINAL INSTALLATION		
				07/10/75	SWENSON-> W.W.IRWIN RMVD 1M A899083 CITY TOW (2 10M EXISTING)		
2T	Dual Walled		1725	SAN FRANCISCO AVE **	CITY OF L.B.PUBLIC SVC YD. (2 D/W JOOR)	LB	-> 2025
				03/25/99	SWENSON-> HEALTH SAYS CLEAN CONTACT J.BENEDICT 570-4128		
				01/21/99	SWENSON-> FOSS ENV REMOVED 3 (10M GAS & DIESEL,1M D/W JOOR NEVER USED) PROJECT #268704. J.HANEY (MCLAREN-HART) SAMPLING TO ASL (213)254-7700. THE 1M JOOR REMOVED FOR RE-CERT/RE-USE		
				12/21/98	SWENSON-> FINAL OK. ISSUED 1998 COMPLIANCE STICKER #05838		
				11/18/98	SWENSON-> FOSS ENV INSTALLED 2 12M JOOR PROJECT #265705		

Page No. 64
/28/03
:55:51

LONG BEACH FIRE DEPARTMENT
FIRE PREVENTION BUREAU
-- Underground Storage Tanks --

Units	Tank Test	Leak	Strt Number	Street Name	Business Name		
					"TANK TO BE FILLED WITH ROTARY MUD") INSTALL INFO?		
2F			0750	W ANAHEIM ST **		LB	-> 6284
				09/11/35	SWENSON-> J.W.BLACK CO INSTALLED 1M GAS (SEE 730.W.ANAHEIM)		
				07/28/31	SWENSON-> CARD ROOFING CO INSTALLED 550 GAS		
0F	*****	*****	0801	E ANAHEIM ST **		DF	-> 5565
				08/10/36	SWENSON-> THAYER AUTO LOT INSTALLED 280 REMOVED FROM 121 AMERICAN AVE (L.B.BLVD). TANK REQ'D "TO BE SCRAPED AND PAINTED". NOTE ON PERMIT SAYS TANK NOT FOUND 7/8/86. NO ORIGINAL INSTALL FROM 121 AMERICAN		
1F			0824	W ANAHEIM ST **		LB	-> 2904
				10/15/02	SWENSON-> UNDATED NOTE (HAYS) ATTACHED TO COPY OF BELOW PERMIT SHOWS FRED REITMAN (310)436-5203 (OWNER)		
				03/29/41	SWENSON-> COAST EQUIP INSTALLED 1M GAS		
				03/28/41	SWENSON-> COAST EQUIP REMOVED 1M CRANE CO		
0F	*****	*****	0841	E ANAHEIM ST **		DF	-> 5566
				08/21/72	SWENSON-> AFTER FACT PERMIT TO SLURRY TANKS (1M,2.5M,550,280) REMARKS ON PERMIT "TANKS FILLED WITH 80# ROTARY MUD, FILL CAPS WELDED ON. NO PERMIT TAKEN OUT". APPLICANT BUZZ MCCALLEN		
0T	*****	*****	0929	W ANAHEIM ST ** CITY OF LONG BEACH		LB	-> 2906
				04/02/01	SWENSON-> DIRTY-RWQCB LEAD CONTACT C.PIRO		
				10/18/95	SWENSON-> DIRTY-HEALTH LEAD CONTACT CARMEN PIRO 570-4137		
				08/30/95	HAYS-> MANESS REMOVED 550 DIESEL PROJECT #194914 (PERMIT PULLED UNDER 901 W.ANAHEIM ST) SEE 1630 SAN FRANCISCO AVE		
				09/07/45	SWENSON-> FICKLING LUMBER REMOVED 280 AND INSTALLED 550. NO INFO ON ORIGINAL INSTALLATION OF 280		
3T	Dual Walled		0998	E ANAHEIM ST ** ARCO #9505 (3 D/W JOOR)		LB	-> 2907
				12/08/98	SWENSON-> ELECTRONIC MONITORING CERTIFIED (TLS-350). ISSUED 1998 COMPLIANCE STICKER #05814 TO T.JONES		
				07/08/98	SWENSON-> NOT READY FOR COMPLIANCE INSPECTION (BILLED \$100)		
				10/03/97	PORTER-> NO B FORMS; OLD A, WRMP & FINANCIAL RESPONSIBILITY OK		

Page No. 254
04/28/03
07:56:03

LONG BEACH FIRE DEPARTMENT
FIRE PREVENTION BUREAU
-- Underground Storage Tanks --

Tanks	Tank Test	Leak Test	Strt Number	Street Name	Business Name		
OT	*****	*****	0701	W PACIFIC COAST HWY	**	LB	-> 3211
				05/06/94	HAYS-> FINANCIAL RESPONSIBILITY OK		
				06/07/88	SWENSON-> G/WATER &/OR SURFACE WATER CONTAMINATION-RWQCB LEAD		
				03/03/88	SWENSON-> DIRTY-HEALTH LEAD		
				02/02/88	SWENSON-> REMOVED 4 (4 WERE FOUND & 1 HAD BEEN SLURRIED). AT SOME POINT IN TIME THERE WERE PROBABLY A TOTAL OF 6 TANKS		
OT	*****	*****	0800	W PACIFIC COAST HWY	** GOODWILL INDUSTRIES	LB	-> 1747
				07/01/97	SWENSON-> RWQCB WORKPLAN APPROVAL (WELL INSTALLATION)		
				04/18/97	SWENSON-> REQUEST FOR ADDITIONAL GROUNDWATER MONITORING		
				03/14/91	SWENSON-> DIRTY-RWQCB LEAD ID #908061070		
				12/12/90	SWENSON-> DIRTY-HEALTH LEAD		
				09/00/89	SWENSON-> DIRTY-HEALTH LEAD		
				08/10/89	MCINTYRE-> GOODWILL REMOVED 1M DIESEL		
OT	*****	*****	0998	E PACIFIC COAST HWY	** TUNEUP MASTERS #16	LB	-> 958
				07/16/90	SWENSON-> HEALTH SAYS CLEAN		
				01/30/90	GALINDO-> POLYCLENS REMOVED 750 W/O FOR TUNE-UP MASTERS		
OT	*****	*****	1050	E PACIFIC COAST HWY	** PACIFIC COAST HARDWARE	LB	-> 2659
				02/06/95	SWENSON-> HEALTH SAYS CLEAN CONTACT CHERYL SANDEL 570-4127		
				12/22/94	PORTER-> HVN REMOVED 2M KEROSENE PROJECT #184125 G.DE VIRES, CEG (213)771-3046 SAMPLING TO CURTIS/TOMPKINS (800)522-1878		
				06/05/89	SWENSON-> PACIFIC COAST HARDWARE 30 DAY NOTICE		
				07/10/81	WELLER-> INDUSTRIAL ENTERPRISES INSTALLED 2M KEROSENE		
				11/19/71	SWENSON-> JOHN DODD DEMO REMOVED 4 (5M,3M,2M,280 W/O) PARKS TEXACO. NO INFO ON ORIGINAL INSTALLATION (NOT ON PREVIOUS LISTS)		
OF	*****	*****	1159	E PACIFIC COAST HWY	**	DF	-> 5902
OT	*****	*****	1181	E PACIFIC COAST HWY	** SUPER SHOPS	LB	-> 3212
				02/23/90	SWENSON-> HEALTH SAYS CLEAN		
				11/30/89	SWENSON-> ENSR REMOVED A CLARIFIER FOR SUPER SHOPS		
OF	*****	*****	1230	E PACIFIC COAST HWY	**	DF	-> 5903
				02/09/70	SWENSON-> VALLEY LOADER SERVICE REMOVED 4 (4M,3M,1M,550 W/O)		



FIRE PREVENTION BUREAU REQUEST FOR INFORMATION

CITY FILE SEARCH

REQUIRED INFORMATION (Please Print)

Name: TARA HOLMES

Title: ASSOCIATE STAFF PROFESSIONAL Phone: (562) 426-9544

Company (if site search): SCS ENGINEERS

Address: 3711 LONG BEACH BLVD., LB CA 90807

Reason for requesting information: PHASE I ASSESSMENT

Signature: Tara Melina Holmes Date: 8/11/04

Please list site address(es) (only) for a CITY FILE search:

1. 1300 - 1800 San Francisco Ave (odd numbers)
2. 901-935 W. 14th Street (all odd #'s)
3. 901-935 W. 15th St (all)
4. " " 16th St all
5. " " 17th St all
6. 901-935 W. Esther St (all odd #'s)
7. 900-1000 W. Pacific Coast Hwy (odd even numbers)
8. _____

COPY POLICY

Copy charges

.10c per copy

Total Pages: _____

Total Fees: \$ _____

BY: _____



FIRE PREVENTION BUREAU REQUEST FOR INFORMATION

CITY FILE SEARCH

REQUIRED INFORMATION (Please Print)

Name: TARA HOLMESTitle: ASSOCIATE STAFF PROFESSIONAL Phone: (562) 426-9544Company (if site search): SCS ENGINEERSAddress: 3711 LONG BEACH BLVD., LB CA 90807Reason for requesting information: PHASE I ASSESSMENTSignature: Tara Melina Holmes Date: 5/25/04

Please list site address(es) (only) for a CITY FILE search:

1. 901 W. Anaheim
2. 929 W. Anaheim
3. 935 W. Anaheim
4. 1301 San Francisco Ave
5. 1317 San Francisco Ave
6. 1327 San Francisco Ave
7. 1630 San Francisco Ave
8. _____

COPY POLICY

Copy charges

.10c per copy

Total Pages: _____

Total Fees: \$ _____

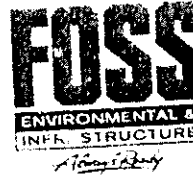
BY: _____

FIRE PREVENTION PLAN CHECK WORKSHEET

DATE: 1/93

PROJECT # 265705 (T)
(Dept. Use Only)

TYPE OF PLANS: (Put an X in front of ONE)

☐ Building/New Construction☐ Sprinkler/New Construction☐ Dry/Wet Chemical☐ Fire Alarm☐ Above Ground Tanks
(No. of Tanks)☐ Other**INSTALL**John R. White
Project Manager/Estimator
jwhite@fossen.comPier D, Berth D47
Long Beach, CA 90802Emergency Response
1 800-FF SPILL

Phone: 562-590-6706

Fax: 562-432-1826

Pager: 888-471-3490

Cell Phone: 310-629-1190

www.fossen.com

☒ Underground Tanks - Install
(2 No. of Tanks)☐ Spray BoothJob Recerts (12M)
UL # 27051
27127

PLEASE PRINT - MUST BE FILLED OUT COMPLETELY

PROJECT NAME: City of Long Beach Public Services Maintenance Yard

PROJECT ADDRESS: 1725 San Francisco Ave, Long Beach

DESCRIPTION OF WORK: UST Installation - (2) 12,000 Gallon USTs

APPLICANT/CONTRACTOR: Foss Environmental & Infrastructure PHONE: 562-590-6706 FAX#: 562-432-1826

ADDRESS/CITY/ST/ZIP: Pier D, Berth D47, Long Beach, Ca 90802

STATE LIC. #: 716581 CLASS: A-Haz EXPIRATION DATE: 12/31/99

CITY BUS. LIC. #: BU93032990 EXPIRATION DATE: 7/1/99

CURRENT BUILDING USE: N/A PROPOSED BUILDING USE: N/A

OCCUPANCY CLASSIFICATION: (per UBC) N/A SQ. FT. TYPE OF CONSTRUCTION:

BUILDING SPRINKLERED: YES N/A NO N/A

(Fire Prevention Office Use Only) * FORMS + PAPERWORK ARE INSIDE OF DRAW

Plans Submitted By: John White

Plan Review Fees: \$300

Plan Review Checked By: J. A. [Signature]

Approved Date: 11-13-98

WORKSHEET 1/1/98

(3) SETS

CONDITIONAL APPROVALPLANS ARE APPROVED UPON
THE FOLLOWING

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD
UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM B



COMPLETE A SEPARATE FORM FOR EACH TANK SYSTEM

MARK ONLY ONE ITEM	☒ 1 NEW PERMIT	☐ 3 RENEWAL PERMIT	☐ 5 CHANGE OF INFORMATION	☐ 7 PERMANENTLY CLOSED ON
	☐ 2 INTERIM PERMIT	☐ 4 AMENDED PERMIT	☐ 6 TEMPORARY TANK CLOSURE	☐ 8 TANK REMOVED

DBA OR FACILITY NAME WHERE TANK IS INSTALLED:

I. TANK DESCRIPTION COMPLETE ALL ITEMS - SPECIFY IF UNKNOWN

A. OWNER'S TANK I.D.# <u>Untraced #1</u>	B. MANUFACTURED BY: <u>Joer</u>
C. DATE INSTALLED (MO/DAY/YEAR) <u>12/98</u>	D. TANK CAPACITY IN GALLONS: <u>12,000</u>

II. TANK CONTENTS IF A-1 IS MARKED, COMPLETE ITEM C.

A. ☒ 1 MOTOR VEHICLE FUEL ☐ 2 PETROLEUM ☐ 3 CHEMICAL PRODUCT	☐ 4 OIL ☐ 50 EMPTY ☐ 55 UNKNOWN	B. ☒ 1 PRODUCT ☐ 2 WASTE	C. ☒ 1a REGULAR UNLEADED ☐ 1b PREMIUM UNLEADED ☐ 2 LEADED	☐ 3 DIESEL ☐ 4 GASAHOL ☐ 5 JET FUEL ☐ 99 OTHER (DESCRIBE IN ITEM D. BE)	☐ 6 AVIATION ☐ 7 METHANO
D. IF (A.1) IS NOT MARKED, ENTER NAME OF SUBSTANCE STORED				C.A.S.#:	

III. TANK CONSTRUCTION MARK ONE ITEM ONLY IN BOXES A, B, AND C, AND ALL THAT APPLIES IN BOX D AND E

A. TYPE OF SYSTEM ☒ 1 DOUBLE WALL ☐ 2 SINGLE WALL	☐ 3 SINGLE WALL WITH EXTERIOR LINER ☐ 4 SECONDARY CONTAINMENT (VAULTED TANK)	☐ 55 UNKNOWN ☐ 56 OTHER
B. TANK MATERIAL (Primary Tank) ☒ 1 BARE STEEL ☐ 5 CONCRETE ☐ 9 BRONZE	☐ 2 STAINLESS STEEL ☐ 6 POLYVINYL CHLORIDE ☐ 10 GALVANIZED STEEL	☐ 3 FIBERGLASS ☐ 7 ALUMINUM ☐ 55 UNKNOWN ☒ 99 OTHER <u>Secondary Steel with Fiberglass Coating</u>
C. INTERIOR LINING ☐ 1 RUBBER LINED ☐ 5 GLASS LINING	☐ 2 ALKYD LINING ☒ 6 UNLINED	☐ 3 EPOXY LINING ☐ 4 PHENOLIC LINING ☐ 55 UNKNOWN ☐ 99 OTHER
IS LINING MATERIAL COMPATIBLE WITH 100% METHANOL? YES ☐ NO ☐		
D. CORROSION PROTECTION ☐ 1 POLYETHYLENE WRAP ☐ 5 CATHODIC PROTECTION	☒ 2 COATING ☐ 91 NONE	☐ 3 VINYL WRAP ☐ 55 UNKNOWN ☒ 4 FIBERGLASS REINFORCED PLASTIC ☐ 99 OTHER
E. SPILL AND OVERFILL SPILL CONTAINMENT INSTALLED (YEAR) <u>12/98</u> OVERFILL PREVENTION EQUIPMENT INSTALLED (YEAR) <u>12/98</u>		

IV. PIPING INFORMATION CIRCLE A IF ABOVE GROUND OR U IF UNDERGROUND, BOTH IF APPLICABLE

A. SYSTEM TYPE A U 1 SUCTION ☒ 2 PRESSURE A U 3 GRAVITY A U 99 OTHER	B. CONSTRUCTION A U 1 SINGLE WALL ☒ 2 DOUBLE WALL A U 3 LINED TRENCH A U 55 UNKNOWN A U 99 OTHER	C. MATERIAL AND CORROSION PROTECTION A U 1 BARE STEEL A U 5 ALUMINUM A U 9 GALVANIZED STEEL A U 2 STAINLESS STEEL A U 6 CONCRETE A U 10 CATHODIC PROTECTION A U 3 POLYVINYL CHLORIDE (PVC) A U 7 STEEL W/ COATING A U 55 UNKNOWN A U 99 OTHER <u>Don't know</u>	A U 4 FIBERGLASS PIPE A U 8 100% METHANOL COMPATIBLE A U 99 OTHER
D. LEAK DETECTION ☒ 1 AUTOMATIC LEAK DETECTOR ☐ 2 LINE THICKNESS TESTING ☒ 3 BUBBLE MONITORING ☒ 99 OTHER <u>Brown Box</u>			

V. TANK LEAK DETECTION

☐ 1 VISUAL CHECK	☒ 2 INVENTORY RECONCILIATION	☐ 3 VADGE MONITORING	☒ 4 AUTOMATIC TANK GAUGING	☐ 5 GROUND WATER MONIT
☐ 6 TANK TESTING	☒ 7 INTERSTITIAL MONITORING	☐ 91 NONE	☐ 55 UNKNOWN	☐ 99 OTHER

VI. TANK CLOSURE INFORMATION

1. ESTIMATED DATE LAST USED (MO/DAY/YR)	2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING _____ GALLONS	3. WAS TANK FILLED WITH INERT MATERIAL? YES ☐ NO ☐
---	--	--

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

APPLICANT'S NAME (PRINTED & SIGNATURE) <u>John R. White - Foss Environmental</u>	DATE <u>11/6/98</u>
--	---------------------

LOCAL AGENCY USE ONLY THE STATE I.D. NUMBER IS COMPOSED OF THE FOUR NUMBERS BELOW

STATE I.D.#	COUNTY # <u>119</u>	JURISDICTION # <u>0160</u>	FACILITY #	TANK # <u>000000</u>
PERMIT NUMBER	PERMIT APPROVED BY/DATE	PERMIT EXPIRATION DATE		

THIS FORM MUST BE ACCOMPANIED BY A PERMIT APPLICATION - FORM A, UNLESS A CURRENT FORM A HAS BEEN FILED.
FILE THIS FORM WITH THE LOCAL AGENCY IMPLEMENTING THE UNDERGROUND STORAGE TANK REGULATIONS

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD
UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM B



COMPLETE A SEPARATE FORM FOR EACH TANK SYSTEM

MARK ONLY ONE ITEM	☒ 1 NEW PERMIT	☐ 3 RENEWAL PERMIT	☐ 5 CHANGE OF INFORMATION	☐ 7 PERMANENTLY CLOSED ON SITE
	☐ 2 INTERIM PERMIT	☐ 4 AMENDED PERMIT	☐ 6 TEMPORARY TANK CLOSURE	☐ 8 TANK REMOVED

DBA OR FACILITY NAME WHERE TANK IS INSTALLED:

I. TANK DESCRIPTION	COMPLETE ALL ITEMS - SPECIFY IF UNKNOWN
A. OWNER'S TANK I.D.# <u>Diesel #1</u>	B. MANUFACTURED BY: <u>Torr</u>
C. DATE INSTALLED (MO/DAY/YEAR) <u>12/98</u>	D. TANK CAPACITY IN GALLONS: <u>12,000</u>

II. TANK CONTENTS IF A-1 IS MARKED, COMPLETE ITEM C:

A. ☒ 1 MOTOR VEHICLE FUEL	☐ 4 OIL	B. ☒ 1 PRODUCT	C. ☐ 1a REGULAR UNLEADED	☒ 3 DIESEL	☐ 6 AVIATION GAS
☐ 2 PETROLEUM	☐ 50 EMPTY	☐ 2 WASTE	☐ 1b PREMIUM UNLEADED	☐ 4 GASOLINE	☐ 7 METHANOL
☐ 3 CHEMICAL PRODUCT	☐ 95 UNKNOWN		☐ 2 LEADED	☐ 5 JET FUEL	☐ 99 OTHER (DESCRIBE IN ITEM D. BELOW)
D. IF (A-1) IS NOT MARKED, ENTER NAME OF SUBSTANCE STORED					C.A.S.#:

III. TANK CONSTRUCTION MARK ONE ITEM ONLY IN BOXES A, B, AND C, AND ALL THAT APPLIES IN BOX D AND E

A. TYPE OF SYSTEM	☒ 1 DOUBLE WALL	☐ 2 SINGLE WALL WITH EXTERIOR LINER	☐ 95 UNKNOWN
	☐ 2 SINGLE WALL	☐ 4 SECONDARY CONTAINMENT (VAULTED TANK)	☐ 99 OTHER
B. TANK MATERIAL (Primary Tank)	☒ 1 BARE STEEL	☐ 2 STAINLESS STEEL	☐ 3 FIBERGLASS
	☐ 5 CONCRETE	☐ 6 POLYVINYL CHLORIDE	☐ 7 ALUMINUM
	☐ 9 BRONZE	☐ 10 GALVANIZED STEEL	☐ 95 UNKNOWN
C. INTERIOR LINING	☐ 1 RUBBER LINING	☐ 2 ALKYLID LING	☐ 3 EPOXY LINING
	☐ 5 GLASS LINING	☒ 6 UNLINED	☐ 95 UNKNOWN
	IS LINING MATERIAL COMPATIBLE WITH 100% METHANOL? YES ☐ NO ☐		
D. CORROSION PROTECTION	☐ 1 POLYETHYLENE WRAP	☒ 2 COATING	☐ 3 VINYL WRAP
	☐ 5 CATHODIC PROTECTION	☐ 91 NONE	☐ 95 UNKNOWN
E. SPILL AND OVERFILL	SPILL CONTAINMENT INSTALLED (YEAR) <u>12/98</u>		OVERFILL PREVENTION EQUIPMENT INSTALLED (YEAR) <u>12/98</u>

IV. PIPING INFORMATION CIRCLE A IF ABOVE GROUND OR U IF UNDERGROUND, BOTH IF APPLICABLE

A. SYSTEM TYPE	A U 1 SUCTION	A U 2 PRESSURE	A U 3 GRAVITY	A U 99 OTHER
B. CONSTRUCTION	A U 1 SINGLE WALL	A U 2 DOUBLE WALL	A U 3 LINED TRENCH	A U 95 UNKNOWN
C. MATERIAL AND CORROSION PROTECTION	A U 1 BARE STEEL	A U 2 STAINLESS STEEL	A U 3 POLYVINYL CHLORIDE (PVC)	A U 4 FIBERGLASS PIPE
	A U 5 ALUMINUM	A U 6 CONCRETE	A U 7 STEEL W/COATING	A U 8 100% METHANOL COMPATIBLE W/WRP
	A U 9 GALVANIZED STEEL	A U 10 CATHODIC PROTECTION	A U 95 UNKNOWN	A U 99 OTHER <u>Diesel Tank</u>
D. LEAK DETECTION	☒ 1 AUTOMATIC LEAK DETECTOR	☐ 2 LINE TIGHTNESS TESTING	☒ 3 INTERSTITIAL MONITORING	☒ 99 OTHER <u>Bravo Box Sensor</u>

V. TANK LEAK DETECTION

☐ 1 VISUAL CHECK	☒ 2 INVENTORY RECONCILIATION	☐ 3 WADGE MONITORING	☒ 4 AUTOMATIC TANK GAUGING	☐ 5 GROUND WATER MONITORING
☐ 6 TANK TESTING	☒ 7 INTERSTITIAL MONITORING	☐ 91 NONE	☐ 95 UNKNOWN	☐ 99 OTHER

VI. TANK CLOSURE INFORMATION

1. ESTIMATED DATE LAST USED (MO/DAY/YR)	2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING _____ GALLONS	3. WAS TANK FILLED WITH INERT MATERIAL? YES ☐ NO ☐
---	--	--

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

APPLICANT'S NAME (PRINTED & SIGNATURE) John R. White - Foss Environmental Inc DATE 11/6/98

LOCAL AGENCY USE ONLY THE STATE I.D. NUMBER IS COMPOSED OF THE FOUR NUMBERS BELOW

STATE I.D.#	COUNTY # <u>19</u>	JURISDICTION # <u>060</u>	FACILITY # <u>000602</u>	TANK # <u>000602</u>
PERMIT NUMBER	PERMIT APPROVED BY/DATE	PERMIT EXPIRATION DATE		

THIS FORM MUST BE ACCOMPANIED BY A PERMIT APPLICATION - FORM A, UNLESS A CURRENT FORM A HAS BEEN FILED.
FILE THIS FORM WITH THE LOCAL AGENCY IMPLEMENTING THE UNDERGROUND STORAGE TANK REGULATIONS

BUREAU OF FIRE PREVENTION
DEPARTMENT OF FIRE • 211 E. OCEAN BLVD., STE. 500 • LONG BEACH, CA 90802

APPLICATION AND PERMIT TO REMOVE OR ABANDON STORAGE TANK(S)

ANY TANK(S) USED FOR THE STORAGE OF ANY HAZARDOUS AND/OR FLAMMABLE LIQUIDS

NO. TRA-

ACCT. NO.

PROPERTY OWNER City OF Long Beach Ca. PHONE 590-6991
ADDRESS 333 W. Ocean BL
FACILITY NAME PUBLIC SERVICE Yard PHONE 590-6991
FACILITY ADDRESS 1601 SAN FRANCISCO L.B.
TYPE OF BUSINESS City YARD OCC. CLASS _____
OPERATOR/TENANT/SUPERVISOR Gillis MONROE RES. PHONE _____

RES. ADDRESS _____

TOTAL NO. OF EXISTING TANKS

ABOVE GRND 2 UNDER GRND _____ LAST/PRIOR INSTALLATION PERMIT NO. _____

NO. OF TANKS/TO BE REMOVED/ABANDONED

ABOVE GRND 2 UNDER GRND _____ TANK CONST. MATERIAL METAL

CONTRACTOR ATLAS Allied INC.

CITY BUS. LIC. NO. 9003610

STATE CONTRACTOR'S LIC. NO. 437235

CLASSIFICATION B-C-36

ADDRESS 1210 N. LAS BRISAS ANAHEIM CA.

PHONE 714 630-3633

This application and permit is for the removal ☒ abandonment of tank(s) identified on this form, and shall only be valid and in force for a maximum of ten (10) working days from date of application.

Permittee or his authorized agent shall notify the Hazardous Materials Unit, Long Beach Health Department, Phone No. (213) 437-4822 and Bureau of Fire Prevention, Long Beach Fire Department, Phone No. (213) 435-2458 a minimum of 72 hours prior to the removal or filling of any tank(s). An official representative of these two departments shall be present at the job site to witness the removal or filling of any and all tanks. All directions made or given by these City officials shall be followed within a timely and reasonable fashion.

When any underground storage tank(s) is/are removed from the ground, the resulting excavated site shall be securely and properly covered in a timely and reasonable fashion. Any excavation shall be temporarily backfilled or enclosed by a fence with a minimum height of six (6) feet. If the foregoing security measures are not feasible, a security guard shall be provided, until the completion of the permit, by the permittee and at the expense of the permittee. The structural integrity of the tank(s) shall be maintained during removal and transport. Tank(s) removed from the ground are not permitted to remain at the site or within the City limits overnight. No temporary or permanent storage of any used hazardous or flammable liquids/materials storage tank(s) is/are permitted within the City limits of Long Beach.

The removal or filling of any tank(s) shall be in accordance with Long Beach Municipal Code, Title 18.46; California State Health and Safety Code, Division 20, Chapter 6.8; the Uniform Fire Code, Articles 79 and 80; and LBFD Fire Prevention Requirements, the 14 series.

I, THE UNDERSIGNED, HAVE READ COMPLETELY AND FULLY UNDERSTAND THE ABOVE LONG BEACH FIRE DEPARTMENT REQUIREMENTS WHICH APPLY TO THIS APPLICATION AND PERMIT. I, THE UNDERSIGNED, ATTEST TO THE BEST OF MY KNOWLEDGE, UNDER THE PENALTY OF PERJURY, THAT THE ABOVE PROVIDED INFORMATION IS TRUE AND CORRECT. I, THE UNDERSIGNED, ACCEPT THE CONDITION THAT ANY DEVIATION(S) FROM AND/OR MISINFORMATION ON THIS FORM WILL RENDER THIS APPLICATION AND PERMIT NULL AND VOID.

APPLICANT SIGNATURE My Sicilian DATE 10-23-90

PRINTED NAME GL. SICILIAN TITLE PRES. PHONE _____

APPLICATION APPROVED ☒ DENIED _____ BY Chapman DATE 10-26-90

FOR FIRE DEPARTMENT USE ONLY

TANK(S) UL NO 01 ABOVE TANKS Removed 02

TANK CAPACITY 01 02 03 04

FINAL INSPECTION BY _____ DATE _____

COPY DISTRIBUTION

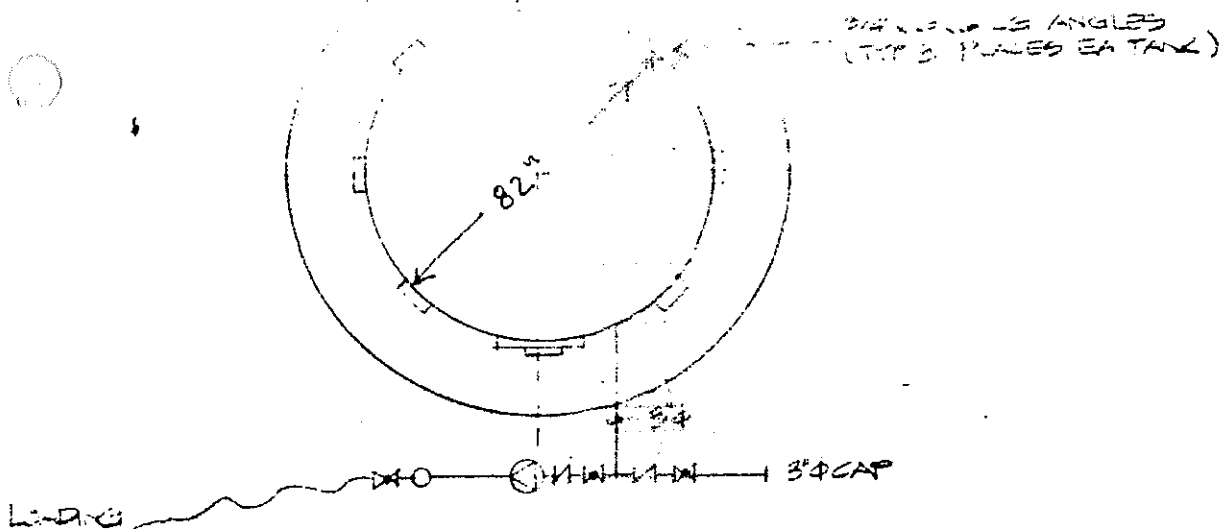
WHITE: LBFD Bureau of Fire Prevention

COPY: extra copy
BLACK: applicant's copy

GREEN: property owner's copy
FR-20 (7/88)

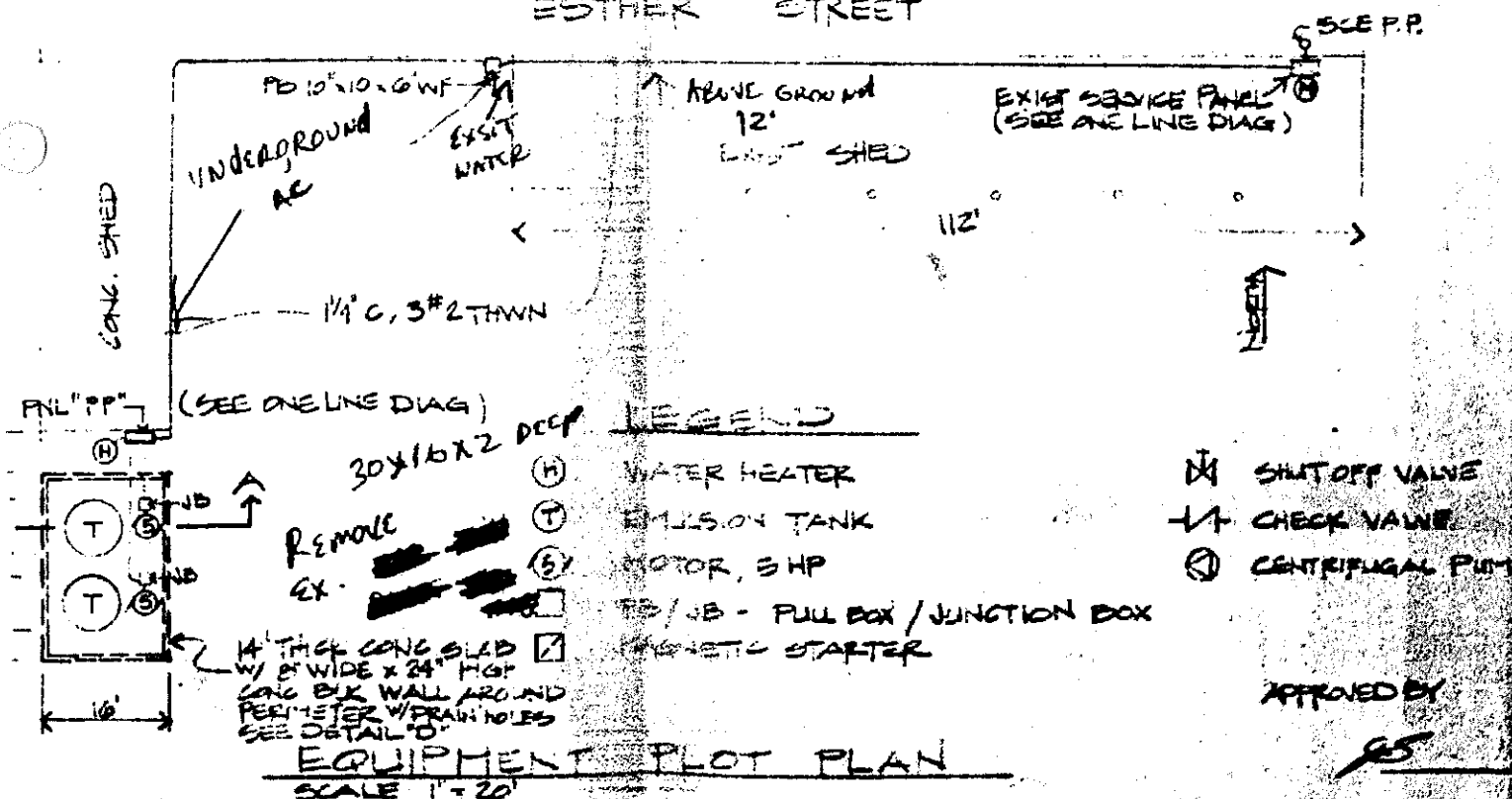
TYPE OR USE BLACK INK ONLY

DATE 11/90
Dr 4/93

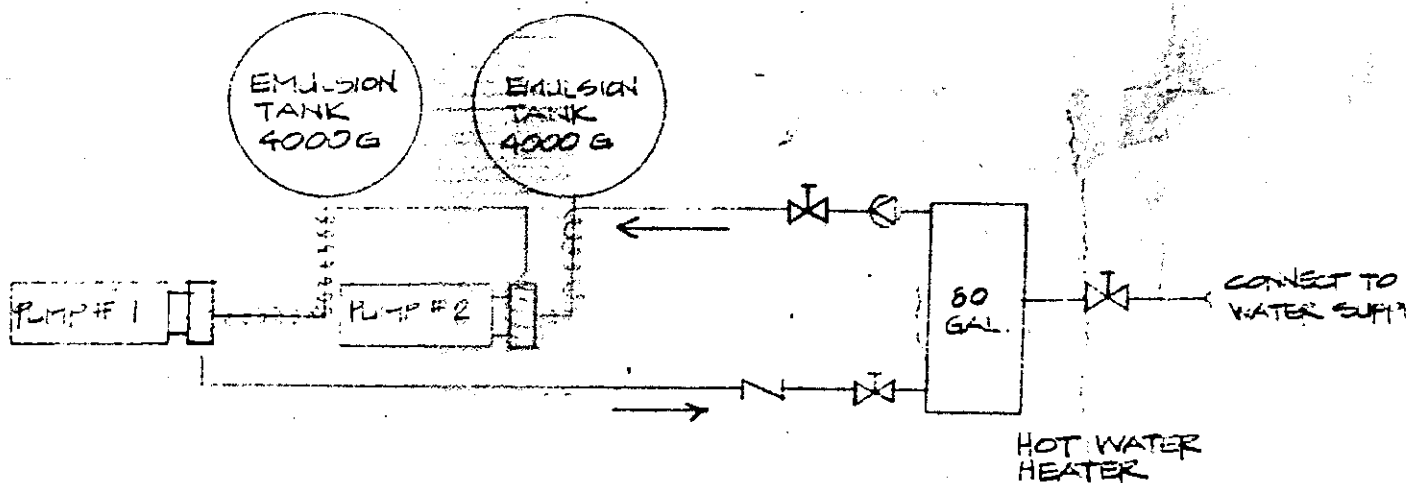


SECTION 1/4 SLAB B-B

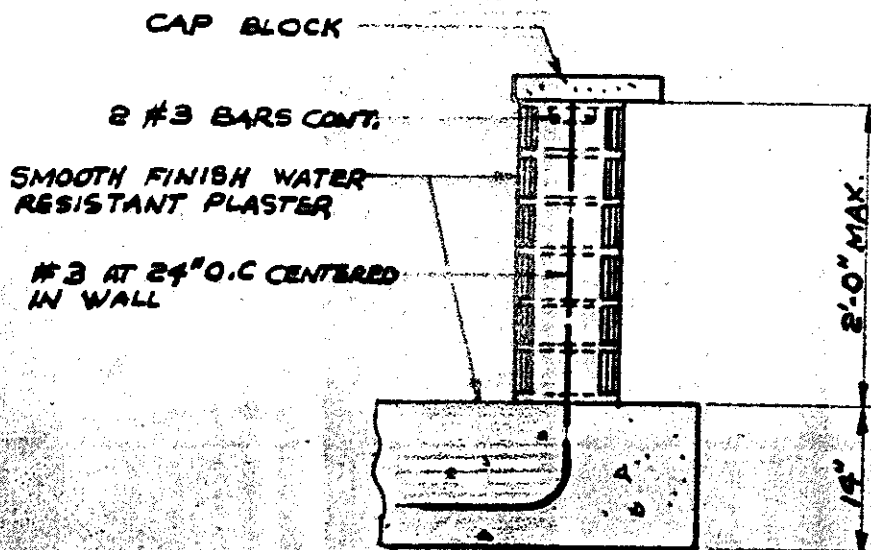
ESTHER STREET



SECTION HEAD	<i>Al. Anderson 4/12/90</i>	APPROVALS	
INSPECTION	<i>R. Decker 4/12/90</i>		
SURVEY CONTROL		<i>[Signature]</i> DIVISION ENGINEER 4/12/90 DATE	REGISTERED PROFESSIONAL ENGINEER EDWARD THOMAS FULLER No. 24233 <i>[Signature]</i> CITY OF INDIANAPOLIS
PROPERTY LINES		<i>[Signature]</i> DIVISION ENGINEER 4/12/90 DATE	
GAS			
WATER			
SUBSTRUCTURES		<i>[Signature]</i> DIVISION ENGINEER DATE	



HOT WATER TRACING
N.T.S.



DETAIL D N.T.S.

PUBLIC SERVICE BUREAU

CITY OF LONG BEACH

**DEPARTMENT OF PUBLIC WORKS
OFFICE OF THE CITY ENGINEER**

333 E. OCEAN BLVD.

LONG BEACH, CA. 90802

XP DATE

4/25/90
DATE

LONG BEACH FIRE DEPARTMENT
BUREAU OF FIRE PREVENTION
400 West Broadway
Long Beach, California 90802

APPLICATION FOR PERMIT
STORAGE, HANDLING, USE OR SALE OF FLAMMABLE AND COMBUSTIBLE LIQUIDS
IN COMMERCIAL AND INDUSTRIAL ESTABLISHMENTS
Article 15, Uniform Fire Code

Name of Business City of Long Beach - Paint Shop Phone No. 432-8904
Business Address 1601 San Francisco Ave.
Owner of Business or Officer of Corporation Occupant City of L.B. Emergency Phone No. _____

List type and amounts of flammable and combustible liquids to be used or stored on the premises:

TYPE	NO. OF DRUMS drums	FLASH POINT	UNDERGROUND STORAGE	INSIDE STORAGE	OUTSIDE STORAGE
Solvent	6	134	Gals.	330 Gals.	Gals.
Xylene	1		Gals.	55 Gals.	Gals.
Lacquer thinner	1		Gals.	55 Gals.	Gals.
			Gals.	Gals.	Gals.
			Gals.	Gals.	Gals.

Is building equipped with an approved automatic sprinkler system? Yes _____ No X

Does electrical wiring and equipment in building comply with state electrical safety orders and local electrical safety orders and local electrical code? Yes X No _____

Are "NO SMOKING" signs installed in storage, dispensing, or mixing areas? Yes X No _____

Are flammable or combustible liquids dispensed into smaller containers? Yes X No _____

Is area or room for dispensing, or mixing of flammable or combustible liquids been approved by the Fire and Building Departments? Yes X No _____

SIGNATURE OF APPLICANT _____ Title _____

APPLICATION: Approved X Denied _____ BY H. P. Collins, Capt. Date 3-29-76
FIRE MARSHAL OR INSPECTOR

REMARKS: (For Departmental Use Only)

RECEIVED
MAR 30 1976

Inv. Date 4-16-77

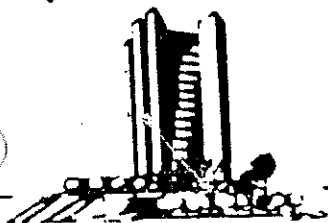
Fee - 0 -

Date Rec'd. _____

Rec'd. By _____

BUREAU OF FIRE PREVENTION

04027



CITY OF LONG BEACH

DEPARTMENT OF FIRE

400 WEST BROADWAY, ROOM 261 • LONG BEACH, CALIFORNIA 90802

Mail

FP 1574-189

* Fire Prevention Requirement *
* No.2.302 4/87 *

TO INSTALL ☒ OR MAINTAIN ☒ APPLICATION FOR PERMIT
A LIQUEFIED PETROLEUM GAS SYSTEM
Article 20, Uniform Fire Code

Name of Business CITY OF LONG BEACH PUBLIC WORKS
Business Address 1601 SAN FRANCISCO AVE. 90803 Phone #(213) 432-8904
90813
Owner of Business or Officer of Corporation JESSE SIMMONS - SUPERVISOR Emergency Phone #()
Name of Company making installation PETROLANE GAS SERVICE
Contractor License Number & Type C20 C36
Address of Company 2940 CALIFORNIA AVE. L.B. 90806 Phone #(213) 424-0729
Type of Business Operated RETAIL & DELIVERY OF PROPANE
Serial number of tank: #1 #2 #3 #4
Tank design pressure: #1 250 #2 #3 #4
Shell thickness: #1 .2812" #2 #3 #4
Head thickness: #1 .2812" #2 #3 #4
Capacity(water gallon) #1 499 #2 #3 #4
Indicate type of L.P.G. to be stored: PROPANE
(Butane, Propane, etc.)

Any change in plans and specifications must be approved by this office. An inspection is required on tanks and piping before use or cover. A final inspection is required at completion of installation. Without final inspection and an approval, a permit to operate and maintain this installation by the occupant at this address will be denied.

ANY CHANGE IN USE, OCCUPANCY OR CAPACITY SHALL REQUIRE A NEW PERMIT.

SIGNATURE OF APPLICANT

Joseph A. Plummer

TITLE

Salesman

(OVER)

PETROLANE

GAS FOR HOME, AGRICULTURE AND INDUSTRY

PETROLANE GAS SERVICE ■ 2940 California Avenue ■ Long Beach, California 90806 ■ Phone (213) 424-0729

JOE PLUMMER

636-3353

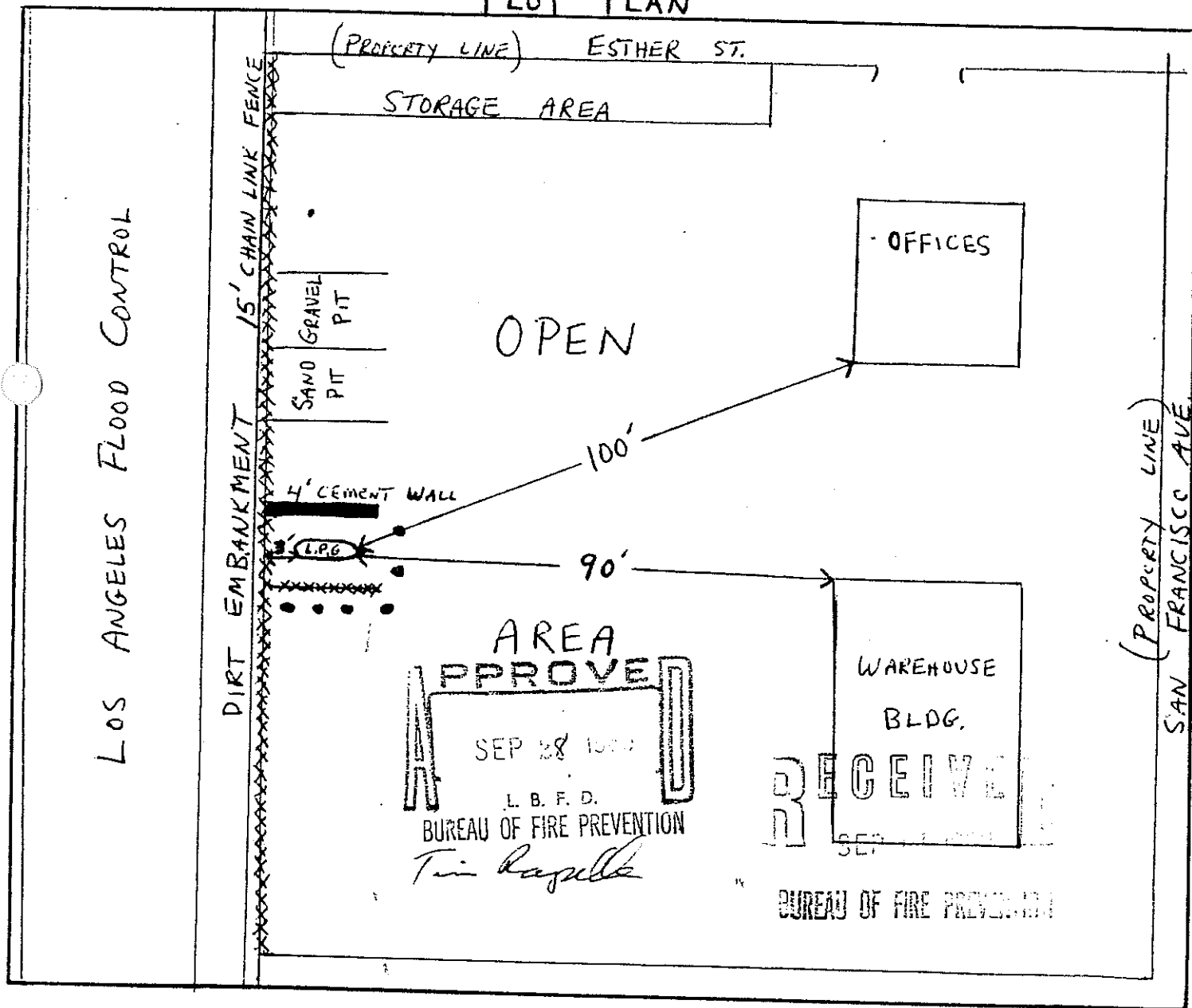
LOCATION OF TANK: CITY OF LONG BEACH PUBLIC WORKS

1601 SAN FRANCISCO AVE.

LONG BEACH, CA 90813

SIZE OF TANK: 499-HORIZONTAL WHEN INSTALLED: ASAP

PLOT PLAN



NOTE: CRASH POSTS - 4" X 6" STEEL PIPE.

2' BELOW GRADE 4' ABOVE GRADE,
4' FROM TANK, 4' ON CENTER.

POSTS TO BE FILLED WITH CONCRETE,
ALL WORK TO BE DONE TO STATE AND
CITY CODES.

ELECTRICAL - (IF NECESSARY)

SINGLE PHASE, EXPLOSION
PROOF.

PERMIT TO BE OBTAINED.

NO-SMOKING & FLAMMABLE

SIGNS TO BE ON TANK.

HAZARDOUS WASTE PROGRAM OFFICIAL INSPECTION REPORT

CITY OF LONG BEACH DEPARTMENT OF PUBLIC HEALTH
DIVISION OF ENVIRONMENTAL HEALTH
2655 PINE AVENUE TELEPHONE 427-7421

PHONE		CT 5754
DBA/NAME CITY OF LONG BEACH - DEPT OF PUBLIC WORKS (PS)		DATE 12-3-90
ADDRESS 1601 SAN FRANCISCO STREET LIGHTING		RECHECK DATE 2/91
OWNER/OPERATOR MIIT McKintosh - Head		COMPUTER NUMBER 532008
MAILING ADDRESS Bill Andrews - Field Supervisor		TIME IN TIME OUT
APPLICABLE LAW ☒ Calif. H & S Code, Sec. 25100, et Seq. ☒ Calif. Admin. Code, Title 22, Sec. 66011 et Seq.		PERMIT/LICENSE C40 981632230
☐ Title 23, Sec. 2810, et Seq. ☐ Other		PROGRAM/ELEMENTS/SERVICE

VIOLATIONS	CLASS		The marked items represent violations of the above-referenced code(s) and must be corrected as follows:
HAZARDOUS WASTES	I	II	
Haz. Waste Determ.		1	(A) Any amount greater than 25 spent mercury vapor lamps and/or other mercury containing lamps such as fluorescent tubes, high pressure halide lamps must be managed and disposed of as hazardous waste. (B) Determine if outlet for wastewater from crushing operation of low pressure sodium, Na, lamps is a storm drain or sewer outlet. If it is a storm drain, discontinue operation. Possibly relocate crushing operation where flow of wastewater can be directed into a sewer system. (C) Repair dumpster to provide more secure coverage from residual sodium in lamp reacting with water.
EPA ID Number		2	
Storage, 90 Days	3	4	
Storage, Containers	5	6	
Storage, Tanks	7	8	
Storage, Security	9	10	
Pre-Transportation Requirements		11	
Registered	12	13	
Manifests		14	
Disposal	15	16	
Preparedness		17	
Contingency Plan		18	
Employee Training		19	
Records, Reports		20	
Local Permit		21	
UNDERGROUND TANKS			
Permit to Operate	22		
Approved Construction	23		
Monitoring System Installed	24		
Monitoring Operational	25		
Unauthor. Releases, Occurrence	26		
Unauthorized Releases, Reports	27		
Abandonment	28		
INFECTIOUS WASTES			
Storage, Containers	29		
Treatment/Disposal	30		
Transfer Off Site	31		
TSD Facility	32		
OCCUPATIONAL HAZARDS			
Respiratory Hazards	33		
Skin Hazard	34		
Eye Hazard	35		
Noise Level	36		
General Physical Hazard	37		
General Safety Hazard	38		
Personal Protection	39		
Toilets, Wash Facilities	40		
Eating Area	41		
Material Labeling	42		
Employee Training	43		
General Sanitation	44		

Note: Low pressure Na lamps provide for most of city of LB street lighting. Disposal is by crushing lamps in covered dumpster equipped with a H₂O spray system. This process makes Na unreactive. The pH of wastewater from exit point at dumpster is 11 & pH is 10 at about 7 feet away from dumpster.

RECEIVED BY: *[Signature]*

INSPECTOR: *[Signature]* SIGNATURE: *[Signature]*

OFFICIAL INSPECTION REPORT (continued)

Telephone: 427-7421

Date 11-26-90

1601 SAN FRANCISCO

① STREET LIGHTING — 4 crew member + Bill Andrews
Disposal is thin crushing with H₂O
to prevent igniting

H₂O just runs thru a drain that's always
clogged
crushed
200 lamps/week

Ray Holland → Dir PW
Tom Commey — Mgr of PW yard San Francisco

Jack Sotelo → Industrial Converter Regional Prog Eng Mgr
PHILLIPS Lightly
(714) 447-5364 or
5367

High Pressure Hahle — white light
High Pressure Na — pink charge light

11-30-90 10:30 am met w/ Bill Andrews

SIGNING FOR RECEIPT OF THE ABOVE NOTICE IS NOT AN ADMISSION OF THE FACTS OF THE VIOLATION(S) SET FORTH THEREIN.
Health Officer

Received by _____ Position _____ By _____ R.S.
DISTRICT SANITARIAN

DATE: 11-27-90 10:00 am

NOTE TO FILE

REGARDING ADDRESS: _____

NOTE: _____

Discussion with Diane Peebler of Waste Evaluation Unit
CA-DOTS Alternative Technology Section

① Any info on ^{disposal} low pressure Na lamps? none as of now

② Available recycler in the bay area Quick Silver
(415) 468-2000 who does both fluorescent
bulbs & low pressure Na lamps

③ Interim regulation is 25 tubes/day of fluorescent
bulbs can be thrown in regular trash [Maybe
changed due to recent TCLP because of Hg content]

④ Suggested options:

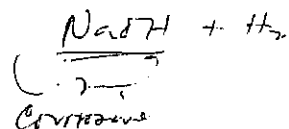
(a) Return to supplier

(b) Use recycler

Told her that present technique is to crush lamps in
presence of H_2O (to prevent ignition in trash) & then throw
crushed material into trash.

If lamp is burned out — then no more reactive Na +
possibly can be thrown in trash IF there's no other
hazardous ingredient

If lamp is not burned out — wetting w/ H_2O is to react
Na to make it unreactive but



DATE: 11-27-90 11:10 am

NOTE TO FILE

REGARDING ADDRESS: _____

NOTE: _____

Quick Silver referred Bob Roberts (818) 303-2053
for southern CA generators.

per Bob Roberts: Low Pressure Na lamps — yellow burning
does not contain Hg + therefore can be crushed
w/ water to make Na unreactive (with proper
precaution)

High Pressure Na lamps → or any lamp
that is white light contains Hg

Call PHILLIPS Light

HAZARDOUS WASTE PROGRAM OFFICIAL INSPECTION REPORT

CITY OF LONG BEACH DEPARTMENT OF PUBLIC HEALTH
DIVISION OF ENVIRONMENTAL HEALTH
2655 PINE AVENUE TELEPHONE 427-7421

PHONE		CT
DBA/NAME		DATE
ADDRESS		RECHECK DATE
OWNER/OPERATOR		COMPUTER NUMBER
MAILING ADDRESS		TIME IN TIME OUT
APPLICABLE LAW		PERMIT/LICENSE
☒ Calif. H & S Code, Sec. 25100, et Seq. ☒ Calif. Admin. Code, Title 22, Sec. 66011 et Seq.		CAD 981632 285 PROGRAM/ELEMENTS/SERVICE
☐ Title 23, Sec. 2610, et Seq. ☐ Other		
VIOLATIONS CLASS The marked items represent violations of the above-referenced code(s) and must be corrected as follows:		
HAZARDOUS WASTES		
Haz. Waste Determ.	I	II
EPA ID Number		1
Storage, 90 Days	3	2
Storage, Containers	5	4
Storage, Tanks	7	6
Storage, Security	9	8
Pre-Transportation Requirements		10
Registered	12	11
Manifests		13
Disposal	15	14
Preparedness		16
Contingency Plan		17
Employee Training		18
Records, Reports		19
Local Permit		20
		21
UNDERGROUND TANKS Permit to Operate 22 Approved Construction 23 Monitoring System Installed 24 Monitoring Operational 25 Unauthor. Releases, Occurrence 26 Unauthorized Releases, Reports 27 Abandonment 28		
INFECTIOUS WASTES Storage, Containers 29 Treatment/Disposal 30 Transfer Off Site 31 TSO Facility 32		
OCCUPATIONAL HAZARDS Respiratory Hazards 33 Skin Hazard 34 Eye Hazard 35 Noise Level 36 General Physical Hazard 37 General Safety Hazard 38 Personal Protection 39 Toilets, Wash Facilities 40 Eating Area 41 Material Labeling 42 Employee Training 43 General Sanitation 44		
WASTE OIL FROM EDGERS/BLAVERS MOUNTAIN are collected in 55-gal drum & transported to Fleet Service at Temple At present, solvent is used to clean small parts & ^{wash solvent} allowed to evaporate. Residual chemicals & rinse water are fed into the "rinse water secondary storage system." All employees involved in application of pesticides are licensed by state (8 ex) (A) Label 2 in 55-gal drum used for waste oil with ^{completely filled drum} HAZARDOUS WASTE label. Make sure the label is clearly visible. (located at shed at rear of Bldg. 4270)		RECEIVED BY: INSPECTOR <u>Cheryl J. Parker</u> SIGNATURE <u>Floyd Davis</u>

HAZARDOUS WASTE PROGRAM OFFICIAL INSPECTION REPORT

CITY OF LONG BEACH DEPARTMENT OF PUBLIC HEALTH
DIVISION OF ENVIRONMENTAL HEALTH
2655 PINE AVENUE TELEPHONE 427-7421

PHONE		CT 5754																																																																																																																																			
DBA/NAME CITY OF LONG BEACH - DEPT OF PUBLIC WORKS		DATE 12-5-90																																																																																																																																			
ADDRESS 1621 SAN FRANCISCO STREET MAINTENANCE		RECHECK DATE																																																																																																																																			
OWNER/OPERATOR JESSE SIMMONS		COMPUTER NUMBER 532208																																																																																																																																			
MAILING ADDRESS		TIME IN 11:00 am																																																																																																																																			
APPLICABLE LAW ☒ Calif. H & S Code, Sec. 25100, et Seq. ☒ Calif. Admin. Code, Title 22, Sec. 66011 et Seq.		PERMIT/LICENSE CAD 981632235																																																																																																																																			
☐ Title 23, Sec. 2610, et Seq. ☐ Other		PROGRAM/ELEMENTS/SERVICE 2222/1																																																																																																																																			
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Present pump was attached to good motor oil (55-gal drum) is leaking oil. 12-5-90 CT (E) Provide material safety data sheets for standard solvent & other chemicals stored easily accessible to workers. </td> </tr> <tr> <td>EPA ID Number</td> <td></td> <td>2</td> </tr> <tr> <td>Storage, 90 Days</td> <td>3</td> <td>4</td> </tr> <tr> <td>Storage, Containers</td> <td>5</td> <td>6</td> </tr> <tr> <td>Storage, Tanks</td> <td>7</td> <td>8</td> </tr> <tr> <td>Storage, Security</td> <td>9</td> <td>10</td> </tr> <tr> <td>Pre-Transportation Requirements</td> <td></td> <td>11</td> </tr> <tr> <td>Registered</td> <td>12</td> <td>13</td> </tr> <tr> <td>Manifests</td> <td></td> <td>14</td> </tr> <tr> <td>Disposal</td> <td>15</td> <td>16</td> </tr> <tr> <td>Preparedness</td> <td></td> <td>17</td> </tr> <tr> <td>Contingency Plan</td> <td></td> <td>18</td> </tr> <tr> <td>Employee Training</td> <td></td> <td>19</td> </tr> <tr> <td>Records, Reports</td> <td></td> <td>20</td> </tr> <tr> <td>Local Permit</td> <td></td> <td>21</td> </tr> <tr> <td colspan="3">UNDERGROUND TANKS</td> </tr> <tr> <td>Permit to Operate</td> <td>22</td> <td></td> </tr> <tr> <td>Approved Construction</td> <td>23</td> <td></td> </tr> <tr> <td>Monitoring System Installed</td> <td>24</td> <td></td> </tr> <tr> <td>Monitoring Operational</td> <td>25</td> <td></td> </tr> <tr> <td>Unauthor. 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INSPECTOR Chief J. J. J.		RECEIVED BY: SIGNATURE Jesse Simmons																																																																																																																																			

DATE: 12-6-90

NOTE TO FILE

REGARDING ADDRESS: 1725 SAN FRANCISCO

NOTE:

per telecon with Gary Gravel - 500-2383

(1) Have contacted 5 consultants to the site
Charlottesville on 12-3-90

(2) All 5 consultants will submit proposals
to them + then they will choose

(3) QUESTION: How long will it take to
evaluate proposals + choose one,
G. Gravel said within 1-2 months

(4) REMINDER G. Gravel that before anything
can be done with the site the application for
permit must be submitted to Health Dept
He said they are aware of this + the chosen
consultant will be asked to ~~prepare~~ complete
application for DPH because they don't have
anybody in town to do it.

CALL G. Gravel on 12-6-1991
if no correspondence is received
regarding application for permit

December 10, 19090

Tom Commeau
Manager, Public Service Bureau
Dept. of Public Works
1601 San Francisco
Long Beach, CA 90806

Dear Mr. Commeau:

that need to be corrected

The following are my findings during the routine inspections conducted at the Public Service (PS) yard, 1601 San Francisco address. Some are violations of the Health and Safety Code and others are problems that need to be resolved. This can be accomplished by a commitment on management to not only provide the leadership but also provide specific ways/solutions to supervisors of each section.

- A. Transporting of waste oil to Fleet Services facility at 2801 Willow by PS personnel is illegal since PS is not a registered hazardous waste hauler. (Health & Safety Code, HSC, Sec 208, 25150 and 25159)

~~H. Put into operation immediately the vacuum system installed a year ago at Bldg. 4415 for waste solvent generated by maintenance and repair of chain saw equipments.~~

- B. Proper labeling of containers for hazardous wastes. The labels must indicate required information and must be clearly visible. (HSC Sec 208, 25159 and 25159.5)

- C. Paint contaminated sawdust, oil contaminated absorbent materials/sand and mercury containing lamps must be disposed as hazardous wastes using a registered hazardous waste hauler. (HSC Sec 208, 25141 and 25150)

- D. Material safety data sheets, MSDS, must be readily accessible to employees when they are in their work areas. (Hazardous Substances Information & Training Act 1980 Labor Code Sections 6360-6399.7)

- E. Set up guidelines for the use and management of hazardous waste manifests generated by each section. (HSC Sec 208, 25159 and 25159.5 Reference standards Title 22 California Code of Regulations 66480 thru 66484)

F + J
next day

- G* Relocate "crushing operation" for low pressure sodium lamps used for street lighting to direct wastewater generated to a sewer system. Repair or replace current dumpster to provide safer condition and efficient de-activation of lamps.

- H* Repair solvent tank located at Storage Shed #4140 to properly manage solvent used in cleaning equipment parts.

- I* Put into operation immediately the vacuum system installed a year ago at Bldg. 4415 for waste solvent generated by maintenance and repair of chain saw equipments.

Here are some suggestions:

1. Look into having the registered hazardous waste hauler contracted for Fleet Service at 2801 Willow to pick-up waste oil at this PS yard. This might be an item that need to be considered for PS budget for the coming year.

every 90 days

2. Designate an area to consolidate hazardous waste streams generated at this yard. Determine what other waste streams and how much of each type is generated. This will provide information on how to manage hazardous wastes as far as:
- (a) decision of storage location/s within the yard and appropriate procedures to follow regarding storage
 - (b) time scheduling for disposal of each waste streams
 - (c) assignment of personnel

To date, waste streams that have been identified are:

Waste oil
Paint contaminated sawdust
Oil contaminated absorbent material/sand
Waste oil
Waste solvent
Used paint filters from spray booth
Mercury vapor lamps and other mercury containing light tubes/bulbs
Asbestos (structural section)

- insert
on
1st page* ←
- F. Prepare a contingency plan for the yard. (HSC Sec 208, 25159 and 25159.5)
 - J. Repair containment structure for waste paint related materials (near Bldg. 4150)

If you have any questions or if I can be of further assistance to you, please ~~me~~ contact me at (213) 427-7421 ex 4127. All violations must be corrected immediately.

Respectfully submitted,

Cheryl S. Sandel
Hazardous Materials Specialist I

HAZARDOUS WASTE PROGRAM OFFICIAL INSPECTION REPORT

CITY OF LONG BEACH DEPARTMENT OF PUBLIC HEALTH
DIVISION OF ENVIRONMENTAL HEALTH
2655 PINE AVENUE TELEPHONE 427-7421

12-14-90

PHONE		CT
DBA/NAME		DATE
ADDRESS		REGHECK DATE
OWNER/OPERATOR		COMPUTER NUMBER
MAILING ADDRESS		TIME IN TIME OUT
APPLICABLE LAW		PERMIT/LICENSE
☒ Calif. H & S Code, Sec. 25100, et Seq. ☒ Calif. Admin. Code, Title 22, Sec. 66011 et Seq.		PROGRAM/ELEMENTS/SERVICE
☐ Title 23, Sec. 2610, et Seq. ☐ Other		

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The marked items represent violations of the above-referenced codes and must be corrected as follows:

(A) Dispose of paint contaminated saw dust as hazardous waste using registered hazardous waste hauler.

(B) All containers of chemicals, paints & waste materials must be kept closed ~~until~~ until need to access them either to remove or add material.

(C) Provide a visible sign FLAMMABLE on locked area ~~designated~~ where flammable bulk chemicals are stored.

(D) Determine if paint used inside spray booth is hazardous. If it is then paint filter must be disposed of as hazardous waste. Send a letter regarding result of determination to Health Dept. Attn: Cheryl S. Sidel.

(E) Provide guidelines for the use & ~~disposal~~ maintenance of hazardous wastes manifest to each sub-section of Structural.

Note Send a package for proper use of manifest to R. Winfield.

RECEIVED BY: _____

INSPECTOR: Cheryl S. Sidel

SIGNATURE: R. Winfield

HAZARDOUS WASTE PROGRAM OFFICIAL INSPECTION REPORT

CITY OF LONG BEACH DEPARTMENT OF HEALTH AND HUMAN SERVICES
DIVISION OF ENVIRONMENTAL HEALTH
2655 PINE AVENUE TELEPHONE 427-7421

page 1 of 3

PHONE	432-8904 ext 222		CT	5754
DBA/NAME	CITY OF LONG BEACH - PUBLIC SERVICE		DATE	1-28-91
ADDRESS	1725 SAN FRANCISCO ST. (STREET MAINTENANCE)		RECHECK DATE	6-24-91
OWNER/OPERATOR	JESSE SIMMONS Bldg 4420		COMPUTER NUMBER	532008
MAILING ADDRESS			TIME IN	9:50am
APPLICABLE LAW	☐ Calif. H & S Code, Sec. 25100, et Seq. ☐ Calif. Admin. Code, Title 22, Sec. 66011 et Seq. ☐ Title 23, Sec. 2610, et Seq ☐ Other		TIME OUT	
			PERMIT/LICENSE	CAO 981432235
			PROGRAM/ELEMENTS/SERVICE	2223/3

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Haz. Waste Determ.		1	<u>Northwest corner of facility</u> (A) COVER 1 EA 55-GAL DRUM CONTAINING WASTE OIL AND LABEL WITH "HAZARDOUS WASTE LABEL" COMPLETELY FILLED OUT. ALL CONTAINERS MUST BE CLOSED AT ALL TIMES UNTIL NEEDED TO ACCESS THE CONTAINER/ENTER TO ADD OR REMOVE MATERIAL. (B) NO "ACCUMULATION START DATE" INDICATED ON THE HAZARDOUS WASTE LABELS OF 4 55-gal DRUMS CONTAINING "SOLIDIFIED WASTE OIL" (2 EA 55-GAL DRUMS CONTAINER HAVE 1-8-91 ACCUMULATION START DATE) (C) RE-LABEL 2 EA REDDISH BROWN COLORED 15-GAL DRUMS TO INDICATE CONTENTS. FOUND NEAR "HODOR CONTROL" DRUMS. <u>Bldg. 4300 - TRAFFIC PAINT AREA</u> 3 EA 55-GAL DRUMS USED TO CONTAIN WASTE PAINT RELATED MATERIALS (1 empty; 1 ca 1/3 full and 1 possibly half full) (D) INDICATE ACCUMULATION START DATE ON HAZARDOUS LABEL OF ONE OF DRUMS AND AS NEEDED ON TWO OTHER DRUMS CHERYL S. SANDEL INSPECTOR <i>Cheryl S. Sandel</i> SIGNATURE <i>J. Simmons</i>
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CITY OF LONG BEACH DEPARTMENT OF HEALTH AND HUMAN SERVICES
DIVISION OF ENVIRONMENTAL HEALTH
2655 PINE AVENUE TELEPHONE 427-7421

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HAZARDOUS WASTE PROGRAM OFFICIAL INSPECTION REPORT

CITY OF LONG BEACH DEPARTMENT OF HEALTH AND HUMAN SERVICES
 DIVISION OF ENVIRONMENTAL HEALTH
 2655 PINE AVENUE TELEPHONE 427-7421

Page 3 of 3

PHONE <u>432-8904 ext 2218</u>		CT <u>5754</u>
DBA/NAME <u>CITY OF LONG BEACH - PUBLIC SERVICE</u>		DATE <u>1-28-91</u>
ADDRESS <u>1725 SAN FRANCISCO (STREET MAINTENANCE)</u>		RECHECK DATE <u>6-24-91</u>
OWNER/OPERATOR <u>JESSE SIMMONS BLDG. 4420</u>		COMPUTER NUMBER <u>532008</u>
MAILING ADDRESS		TIME IN <u>9:54am</u> TIME OUT
APPLICABLE LAW ☐ Calif. H & S Code, Sec. 25100, et Seq. ☐ Calif. Admin. Code, Title 22, Sec. 66011 et Seq. ☐ Title 23, Sec. 2610, et Seq. ☐ Other		PERMIT/LICENSE <u>CAO 98163223</u> PROGRAM/ELEMENTS/SERVICE <u>2223X3</u>
VIOLATIONS CLASS The marked items represent violations of the above-referenced code(s) and must be corrected as follows:		
HAZARDOUS WASTES	I II	
Haz. Waste Determ.		1
EPA ID Number		2
Storage, 90 Days	3	4
Storage, Containers	5	6
Storage, Tanks	7	8
Storage, Security	9	10
Pre-Transportation Requirements		11
Registered	12	13
Manifests		14
Disposal	15	16
Preparedness		17
Contingency Plan		18
Employee Training		19
Records, Reports		20
Local Permit		21
UNDERGROUND TANKS Permit to Operate 22 Approved Construction 23 Monitoring System Installed 24 Monitoring Operational 25 Unauthor. Releases, Occurrence 26 Unauthorized Releases, Reports 27 Abandonment 28		
INFECTIOUS WASTES Storage, Containers 29 Treatment/Disposal 30 Transfer Off Site 31 TSD Facility 32		
OCCUPATIONAL HAZARDS Respiratory Hazards 33 Skin Hazard 34 Eye Hazard 35 Noise Level 36 General Physical Hazard 37 General Safety Hazard 38 Personal Protection 39 Toilets, Wash Facilities 40 Eating Area 41 Material Labeling 42 Employee Training 43 General Sanitation 44		
BLDG. 4415 (H) Final Notice Label 55-GAL DRUMS USED TO CONTAIN WASTE OIL WITH "HAZARDOUS WASTE" LABEL COMPLETELY FILLED OUT.		RECEIVED BY: CHERYL S. SANDEL INSPECTOR <u>Cheryl S. Sandel</u> SIGNATURE <u>[Signature]</u>

OFFICIAL INSPECTION REPORT (continued)

Telephone: 427-7421

STREET MAINTENANCE

Date 1-28-71

1725 SAN FRANCISCO

Public Service

per J. Simmons → to his knowledge PS personnel still take waste oil to Fleet Service @ Willow/Tamale

→ informed J. Simmons of city's liability & embarrassment if any of PS personnel transporting waste oil to Fleet Service get into accident; PS is not registered hazardous waste hauler

→ J. Simmons will check if

- Fleet Service (FS) is a registered ^{hazardous} waste hauler & if YES, make arrangements to have Fleet Service pick up waste oil
- If FS is not registered HWH, then have contractor ^(registered) hazardous waste hauler pick up waste oil at this facility

→ How much "solidified waste oil" generated per month?
used to be done with sand but now using "Floor Dry"
EAGLE BRAND
CONTRACTOR DISPOSAL CONTROL SERVICES
1369 W 9th St
Upland CA

→ Who takes care of transferring low Dablong crushing area?
Bill Andrew

→ Liquid portion from waste paint is recycled Ellis Paint Paint
& solid portion by Disposal Control

SIGNING FOR RECEIPT OF THE ABOVE NOTICE IS NOT AN ADMISSION OF THE FACTS OF THE VIOLATION(S) SET FORTH THEREIN.
Health Officer

Received by _____ Position _____ By _____ R.S.

10,000 - Gallon
Gas + Diesel USTs
(#1 & #2)

AMERICAN TANK TESTING

Tank Testing, Monitoring Service, Helium Testing

24781 Mosquero Lane, Mission Viejo, CA 92691

Phone (714) 581-7518 ; Fax (714) 581-3867

City of Long Beach

2801 East Willow Street

Long Beach, CA 90806

Date : September 6, 1995

Attention Mr. David McCarty.

**Subject : UNDERGROUND TANK TESTING AND CERTIFICATION AT
STREET MAINTENANCE, 1725 SAN FRANCISCO,
LONG BEACH, CA 90813.**

Dear Mr. McCarty,

In accordance with our agreement we arrived at the subject facility on 8/30/95 to test two underground tank systems, using the UST2000/P and PL-400 leak detector methods. A full system test was performed with the following results.

Tank #	Capacity / Gall.	Product Type	Underfilled Test / GPH	Ullage Test	Product line test / GPH
1	10,000	Diesel Fuel	Pass/ - 0.002307	Pass	Pass/ -0.007151
2	10,000	Reg. Unleaded	Pass/ + 0.001372	Pass	Pass/ -0.012712

The tanks and the lines were certified with test result within the State standard of -0.05 GPH. Because of almost infinite variables involved, this is intended to be a mathematical tolerance and is not the permission of the actual leakage. Based on the above criteria, we find the tank **mathematically TIGHT**.

Enclosed you will find copies of the relevant technical test printouts and worksheets. More detailed information will be promptly made available to you as soon as you will request it.

Our company values your business immensely and we hope you will call us again next year, when testing will become due.

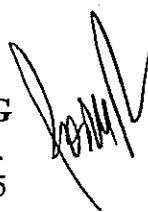
Very truly yours

AMERICAN TANK TESTING

Razvan " Ross " Raicu , M.S.E.E.

California State License # 90-1185

President



AMERICAN TANK TESTING

Tank Testing, Monitoring Service, Helium Testing
24781 Mosquero Lane, Mission Viejo, CA 92691
Phone (714) 581-7518; Fax (714) 581-3867

CAMPO / MILLER TESTER LOG PIPING TIGHTNESS DETERMINATION PL-400 FORMAT

TEST LOCATION : City of Long Beach / Street Maintenance
1725 Ave Francisco
Long Beach, CA 90813

TEST OPERATOR : RAZVAN "ROSS" RAICU

STATE LICENSE # 90-1185

DATE OF TEST : 8-30-95

Tank #	Line Temp. Variance	Tester Temp. Variance	Air Modulus	Test Duration	Initial Pressure	Final Pressure	Volume Displaced	Leak Rate	PASS / FAIL
1-Dcl.	1	1	45	6/30	45	43	6	-0.007151	Pass
2-Uld.	1	1	60	8/30	48	45	8	-0.012712	Pass
X									

Temp = Fahrenheit Degree

Air Modulus = CC Units

Test Duration = Minutes

Pressure P.S.I.

Volume Displaced = CC Unite

Leak Rate = Gallons Per Hour (GPH)

Tester Signature : Razvan "Ross" Raicu, M.S.E.E.

Razvan "Ross" Raicu 8-30-95
S.L. # 90-1185

INVOICE #AT000344

TEST DATE: 08/30/95

AMERICAN TANK TESTING
24781 MOSQUERO LANE
MISSION VIEJO, CA 92691
(714) 581-7518

TANK STATUS EVALUATION REPORT

***** CUSTOMER DATA *****

CITY OF LONG BEACH
2801 EAST WILLOW STREET

LONG BEACH, CA
90806

CONTACT: DAVID MCCARTY
PHONE #: 310-570-5410

***** SITE DATA *****

STREET MAINTENANCE
1725 SAN FRANCISCO

LONG BEACH, CA
90813

CONTACT: ROSA LEE
PHONE #: 310-570-2724

***** COMMENT LINES *****

CURRENT EPA STANDARDS DICTATE
THAT FOR UNDERGROUND FUEL TANKS, THE MAXIMUM ALLOWABLE LEAK/GAIN RATE
OVER THE PERIOD OF ONE HOUR IS .05 GALLONS.
THIS TEST WAS PERFORMED USING THE UST2000/P LEAK DETECTOR METHOD

TANK #1: DIESEL FUEL 2 TYPE: STEEL RATE: .002307 G.P.H. LOSS
TANK IS TIGHT.

TANK #2: REG UNLEADED TYPE: STEEL RATE: .001372 G.P.H. GAIN
TANK IS TIGHT.

OPERATOR: Razvan raicu; 90-1185 SIGNATURE: _____

DATE: 9/6/95

T A N K D A T A

	TANK NO. 1	TANK NO. 2	TANK NO. 3	TANK NO. 4
TANK DIAMETER (IN)	95	95		
LENGTH (FT)	27.16	27.16		
VOLUME (GAL)	10000	10000		
TYPE	ST	ST		
FUEL LEVEL (IN)	73	60		
FUEL TYPE	DIESEL 2	REG UNLD		
dVOL/dy (GAL/IN)	113.07	129.30		
CALIBRATION ROD	DISTANCE			
1	10.65625			
2	26.95313			
3	41.93750			
4	56.93750			
5	74.93750			

***** C U S T O M E R D A T A *****

JOB NUMBER : 000344
 CUSTOMER (COMPANY NAME) : CITY OF LONG BEACH
 CUSTOMER CONTACT(LAST, FIRST): DAVID MCCARTY
 ADDRESS - LINE 1 : 2801 EAST WILLOW STREET
 ADDRESS - LINE 2 :
 CITY, STATE : LONG BEACH, CA
 ZIP CODE (XXXXX-XXXX) : 90806
 PHONE NUMBER (XXX)XXX-XXXX : 310-570-5410

***** C O M M E N T L I N E S *****

***** S I T E D A T A *****

SITE NAME (COMPANY NAME) : STREET MAINTENANCE
 SITE CONTACT(LAST, FIRST) : ROSA LEE
 ADDRESS - LINE 1 : 1725 SAN FRANCISCO
 ADDRESS - LINE 2 :
 CITY, STATE : LONG BEACH, CA
 ZIP CODE (XXXXX-XXXX) : 90813
 PHONE NUMBER (XXX)XXX-XXXX : 310-570-2724
 GROUND WATER LEVEL (FT) : 0
 NUMBER OF TANKS : 2
 LENGTH OF PRE-TEST (MIN) : 30
 LENGTH OF TEST (MIN) : 180

Cr:

CHANGE IN LEVEL (.001 INCHES)

TANK 1 START TIME:17:00:00:00

CURRENT TIME:18:00:00:00

C0: -.00065

C1: -.00020

LEAK RATE: .00231 GPH LOSS

PTA, VERSION 1.20

AT000344.TST,1

TIME (MINUTES)

08/30/95

CHANGE IN LEVEL (.001 INCHES)

Cr:

TANK 2 START TIME: 17:00:00:00 CURRENT TIME: 18:00:00:00

C0: -.00006
C1: .00023

LEAK RATE: .00137 GPH GAIN

PTA, VERSION 1.20

0 15 30 45 60

TIME (MINUTES)

AT000344.TST,1

08/30/95

INVOICE #AT000344

TEST DATE: 08/30/95

AMERICAN TANK TESTING
24781 MOSQUERO LANE
MISSION VIEJO, CA 92691
(714) 581-7518

TANK STATUS REPORT -- ULLAGE TEST

***** CUSTOMER DATA *****

CITY OF LONG BEACH
2801 EAST WILLOW STREET

LONG BEACH, CA
90806

CONTACT: DAVID MCCARTY
PHONE #: 310-570-5410

***** SITE DATA *****

STREET MAINTENANCE
1725 SAN FRANCISCO

LONG BEACH, CA
90813

CONTACT: ROSA LEE
PHONE #: 310-570-2724

***** COMMENT LINES *****

CURRENT EPA STANDARDS DICTATE
THAT FOR UNDERGROUND FUEL TANKS, THE MAXIMUM ALLOWABLE LEAK/GAIN RATE
OVER THE PERIOD OF ONE HOUR IS .05 GALLONS.
THIS TEST WAS PERFORMED USING THE UST2000/P LEAK DETECTOR METHOD

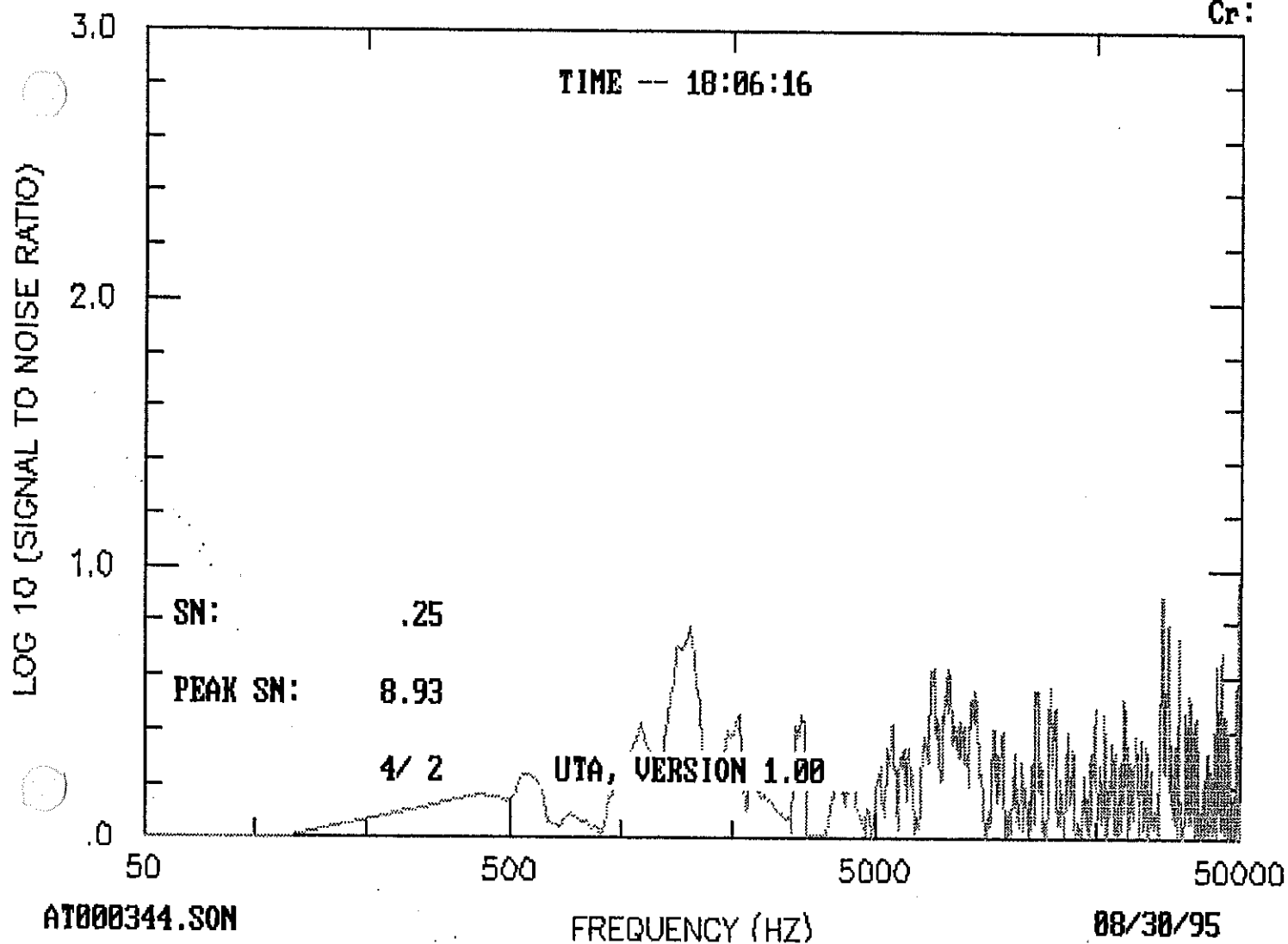
TANK #1: DIESEL FUEL 2 TYPE: STEEL SN: .25
TANK IS TIGHT.

TANK #2: REG UNLEADED TYPE: STEEL SN: .30
TANK IS TIGHT.

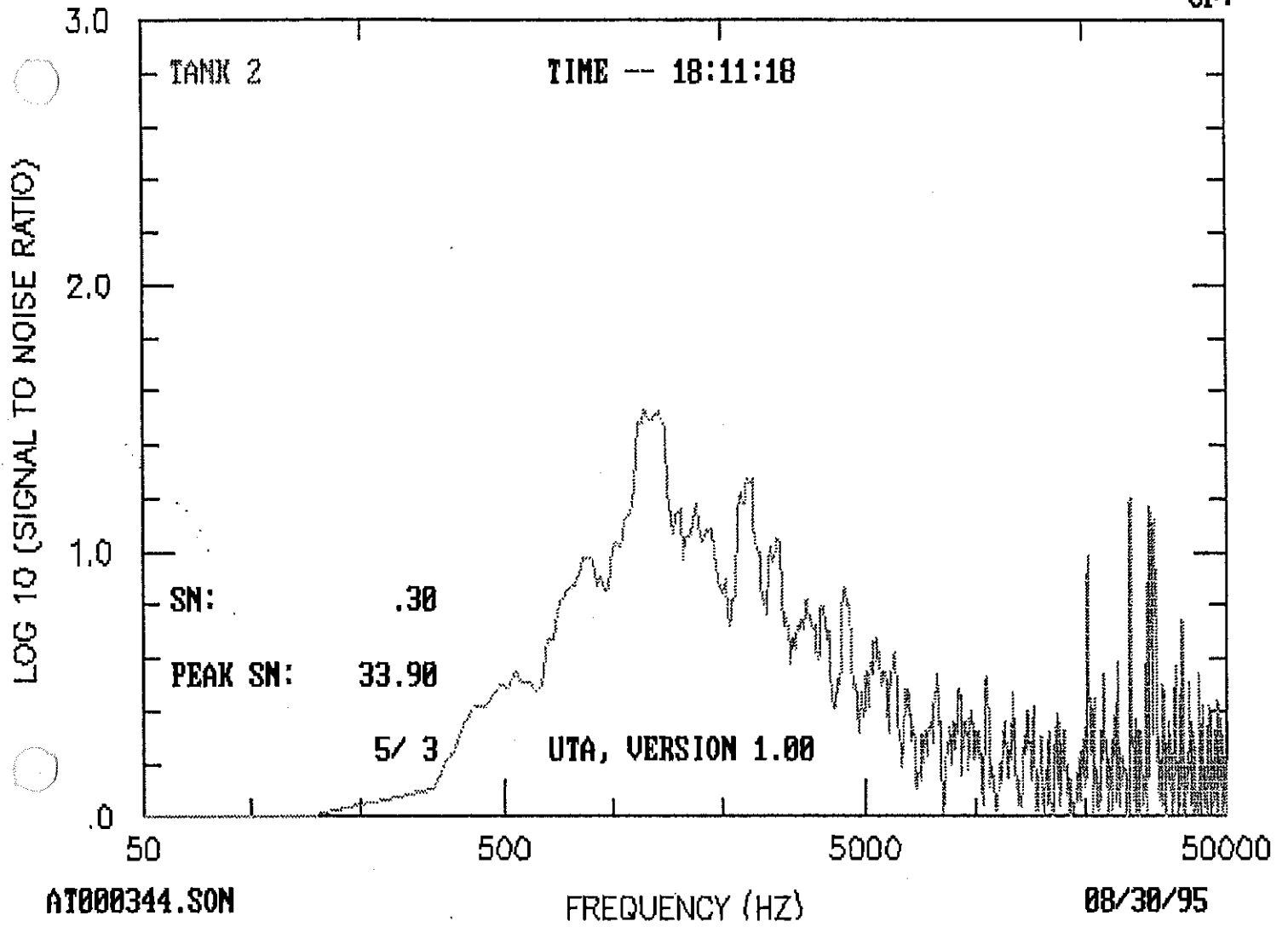
OPERATOR: Razvan Raicu; 90-1185 SIGNATURE: _____

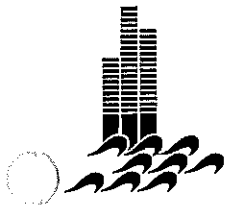
DATE: 9/6/95

Cr:



Cr:





City of Long Beach
Working Together to Serve

2025
Memorandum

RECEIVED
SEP 18 1995
FIRE PREVENTION

Date: September 13, 1995

To: Thomas Hays, Inspector, Bureau of Fire Prevention

From: David McCarty, Administrative Supervisor

Subject: Underground Tank Testing, Public Works, 1725 San Francisco Avenue

Even though meetings are underway to reconstruct the San Francisco fuel site, the Fleet Services Bureau ordered the fuel tanks at this site tested for tightness to insure structural integrity. As you are well aware, the tanks at this facility are some of the oldest tanks owned by the City. With no assurance that construction of this site will begin this month integrity tests were ordered.

As the managing agency for the City's underground petroleum tank program, we were prepared to immediately close this site should the tanks have shown leakage.

The integrity tests were performed by a State licensed contractor on both 10,000 gal. fuel tanks and all product lines. The results were all positive and are enclosed for your records.

Fuel in these tanks will continue to be reconciled using the manual stick gauging method until construction of the site begins.

I would like to assure you we are committed to accomplishing every requirement established by your office.

Call if you have any questions. My number is x85410.

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD
UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM A
COMPLETE THIS FORM FOR EACH FACILITY/SITE



MARK ONLY ONE ITEM	☐ 1 NEW PERMIT	☐ 3 RENEWAL PERMIT	☒ 5 CHANGE OF INFORMATION	☐ 7 PERMANENTLY CLOSED SITE
	☐ 2 INTERIM PERMIT	☐ 4 AMENDED PERMIT	☐ 6 TEMPORARY SITE CLOSURE	

I. FACILITY/SITE INFORMATION & ADDRESS - (MUST BE COMPLETED)

FACILITY NAME CITY OF LONG BEACH PUBLIC SERVICE MAINTENANCE YARD		NAME OF OPERATOR CITY OF LONG BEACH FLEET SERVICES	
ADDRESS 1601 SAN FRANCISCO AVE.		NEAREST CROSS STREET 15th Street	PARCEL # (OPTIONAL)
CITY NAME LONG BEACH	STATE CA	ZIP CODE 90802	SITE PHONE # WITH AREA CODE
☒ BOX TO INDICATE ☐ CORPORATION ☐ INDIVIDUAL ☐ PARTNERSHIP ☒ LOCAL AGENCY DISTRICTS ☐ COUNTY AGENCY ☐ STATE AGENCY ☐ FEDERAL AGENCY			
* If owner of UST is a public agency, complete the following: name of supervisor of division, section, or office which operates the UST <u>DAVID MCCARTY - C&S Fleet S</u>			
TYPE OF BUSINESS ☐ 1 GAS STATION ☐ 2 DISTRIBUTOR ☐ 3 FARM ☐ 4 PROCESSOR ☒ 5 OTHER		☐ IF INDIAN RESERVATION OR TRUST LAND	# OF TANKS AT SITE <u>25</u> E.P.A. I.D. # (optional) <u>CAD981450687</u>

EMERGENCY CONTACT PERSON (PRIMARY)

EMERGENCY CONTACT PERSON (SECONDARY) - optional

DAYS: NAME (LAST, FIRST) MCCARTY, DAVID	PHONE # WITH AREA CODE 562-570-5410	DAYS: NAME (LAST, FIRST)	PHONE # WITH AREA CODE
NIGHTS: NAME (LAST, FIRST) MCCARTY, DAVID	PHONE # WITH AREA CODE 562-570-5410	NIGHTS: NAME (LAST, FIRST)	PHONE # WITH AREA CODE

II. PROPERTY OWNER INFORMATION - (MUST BE COMPLETED)

NAME CITY OF LONG BEACH	CARE OF ADDRESS INFORMATION		
MAILING OR STREET ADDRESS 333 W. OCEAN BLVD., PLAZA LEVEL	☒ BOX TO INDICATE ☐ INDIVIDUAL ☒ LOCAL AGENCY ☐ STATE AGENCY		
CITY NAME LONG BEACH	☐ CORPORATION ☐ PARTNERSHIP ☐ COUNTY AGENCY ☐ FEDERAL AGENCY	STATE CA	ZIP CODE 90802
			PHONE # WITH AREA CODE 562-570-5410

III. TANK OWNER INFORMATION - (MUST BE COMPLETED)

NAME OF OWNER CITY OF LONG BEACH	CARE OF ADDRESS INFORMATION		
MAILING OR STREET ADDRESS 333 W. OCEAN BLVD., PLAZA LEVEL	☒ BOX TO INDICATE ☐ INDIVIDUAL ☒ LOCAL AGENCY ☐ STATE AGENCY		
CITY NAME LONG BEACH	☐ CORPORATION ☐ PARTNERSHIP ☐ COUNTY AGENCY ☐ FEDERAL AGENCY	STATE CA	ZIP CODE 90802
			PHONE # WITH AREA CODE 562-570-5410

IV. BOARD OF EQUALIZATION UST STORAGE FEE ACCOUNT NUMBER - Call (916) 322-9669 if questions arise.

TY (TK) HQ 44- [] [] [] [] [] []

V. PETROLEUM UST FINANCIAL RESPONSIBILITY - (MUST BE COMPLETED) - IDENTIFY THE METHOD(S) USED

☒ BOX TO INDICATE	☒ 1 SELF-INSURED	☐ 2 GUARANTEE	☐ 3 INSURANCE	☐ 4 SURETY BOND
	☐ 5 LETTER OF CREDIT	☐ 6 EXEMPTION	☐ 7 OTHER	

VI. LEGAL NOTIFICATION AND BILLING ADDRESS Legal notification and billing will be sent to the tank owner unless box I or II is checked.

CHECK ONE BOX INDICATING WHICH ABOVE ADDRESS SHOULD BE USED FOR LEGAL NOTIFICATIONS AND BILLING:	I ☐ II ☒ III ☐
--	--

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

OWNER'S NAME (PRINTED & SIGNED) <u>John R. White</u>	OWNER'S TITLE Project Manager	DATE 1/5/99
---	----------------------------------	----------------

LOCAL AGENCY USE ONLY

COUNTY # 119	JURISDICTION # 0610	FACILITY # [] [] [] [] [] []
LOCATION CODE - OPTIONAL	CENSUS TRACT # - OPTIONAL	SUPERVISOR - DISTRICT CODE - OPTIONAL

THIS FORM MUST BE ACCOMPANIED BY AT LEAST (1) OR MORE PERMIT APPLICATION - FORM B, UNLESS THIS IS A CHANGE OF SITE INFORMATION ONLY.
OWNER MUST FILE THIS FORM WITH THE LOCAL AGENCY IMPLEMENTING THE UNDERGROUND STORAGE TANK REGULATIONS

STATE WATER RESOURCES CONTROL BOARD
UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM B



COMPLETE A SEPARATE FORM FOR EACH TANK SYSTEM

MARK ONLY ONE ITEM	☐ 1 NEW PERMIT	☐ 3 RENEWAL PERMIT	☐ 5 CHANGE OF INFORMATION	☐ 7 PERMANENTLY CLOSED ON SITE
	☐ 2 INTERIM PERMIT	☐ 4 AMENDED PERMIT	☐ 6 TEMPORARY TANK CLOSURE	☒ 8 TANK REMOVED

DBA OR FACILITY NAME WHERE TANK IS INSTALLED: CITY OF LONG BEACH - PUBLIC SERVICE MAINTENANCE YARD

I. TANK DESCRIPTION COMPLETE ALL ITEMS - SPECIFY IF UNKNOWN

A. OWNER'S TANK I.D. # <u>TANK #1 UL # F185708</u>	B. MANUFACTURED BY: <u>COMWEL CO.</u>
C. DATE INSTALLED (MO/DAY/YEAR) <u>1966</u>	D. TANK CAPACITY IN GALLONS: <u>10,000</u>

II. TANK CONTENTS IF A-1 IS MARKED, COMPLETE ITEM C.

A. ☒ 1 MOTOR VEHICLE FUEL ☐ 2 PETROLEUM ☐ 3 CHEMICAL PRODUCT	☐ 4 OIL ☐ 50 EMPTY ☐ 55 UNKNOWN	B. ☒ 1 PRODUCT ☐ 2 WASTE
C. ☒ 1a REGULAR UNLEADED ☐ 1b PREMIUM UNLEADED ☐ 2 LEADED ☐ 3 DIESEL ☐ 4 GASOLINE ☐ 5 JET FUEL ☐ 55 OTHER (DESCRIBE IN ITEM D. BELOW)		

D. IF (A.1) IS NOT MARKED, ENTER NAME OF SUBSTANCE STORED _____ C.A.S. # _____

III. TANK CONSTRUCTION MARK ONE ITEM ONLY IN BOXES A, B, AND C, AND ALL THAT APPLIES IN BOX D AND E

A. TYPE OF SYSTEM	☐ 1 DOUBLE WALL	☐ 3 SINGLE WALL WITH EXTERIOR LINER	☐ 55 UNKNOWN
	☒ 2 SINGLE WALL	☐ 4 SECONDARY CONTAINMENT (VAULTED TANK)	☐ 56 OTHER _____
B. TANK MATERIAL (Primary Tank)	☒ 1 BARE STEEL	☐ 2 STAINLESS STEEL	☐ 3 FIBERGLASS
	☐ 5 CONCRETE	☐ 6 POLYVINYL CHLORIDE	☐ 7 ALUMINUM
	☐ 8 BRONZE	☐ 14 GALVANIZED STEEL	☐ 55 UNKNOWN
C. INTERIOR LINING	☐ 1 RUBBER LINING	☐ 2 ALLOY LINING	☐ 3 EPOXY LINING
	☐ 5 GLASS LINING	☐ 4 UNLINED	☐ 55 UNKNOWN
	IS LINING MATERIAL COMPATIBLE WITH 100% METHANOL? YES _____ NO _____		
D. CORROSION PROTECTION	☐ 1 POLYETHYLENE WRAP	☐ 2 COATING	☐ 3 VINYL WRAP
	☐ 5 CATHODIC PROTECTION	☐ 51 NONE	☐ 55 UNKNOWN
E. SPILL AND OVERFILL	SPILL CONTAINMENT INSTALLED (YEAR) _____		OVERFILL PREVENTION EQUIPMENT INSTALLED (YEAR) _____

IV. PIPING INFORMATION CIRCLE A IF ABOVE GROUND OR U IF UNDERGROUND, BOTH IF APPLICABLE

A. SYSTEM TYPE	A U ☒ 1 SUCTION	A U ☐ 2 PRESSURE	A U ☐ 3 GRAVITY	A U ☐ 55 OTHER
B. CONSTRUCTION	A U ☐ 1 SINGLE WALL	A U ☐ 2 DOUBLE WALL	A U ☐ 3 LINED TRENCH	A U ☐ 55 UNKNOWN
C. MATERIAL AND CORROSION PROTECTION	A U ☐ 1 BARE STEEL	A U ☐ 2 STAINLESS STEEL	A U ☐ 3 POLYVINYL CHLORIDE (PVC)	A U ☐ 4 FIBERGLASS PIPE
	A U ☐ 5 ALUMINUM	A U ☐ 6 CONCRETE	A U ☐ 7 STEEL W/ COATING	A U ☐ 8 100% METHANOL COMPATIBLE W/PP
	A U ☐ 9 GALVANIZED STEEL	A U ☐ 10 CATHODIC PROTECTION	A U ☐ 55 UNKNOWN	A U ☐ 56 OTHER
D. LEAK DETECTION	☐ 1 AUTOMATIC LINE LEAK DETECTOR	☐ 2 LINE TIGHTNESS TESTING	☐ 3 INTERSTITIAL MONITORING	☐ 55 OTHER

V. TANK LEAK DETECTION

☐ 1 VISUAL CHECK	☐ 2 INVENTORY RECONCILIATION	☐ 3 VADOZE MONITORING	☐ 4 AUTOMATIC TANK GAUGING	☐ 5 GROUND WATER MONITORING
☐ 6 TANK TESTING	☐ 7 INTERSTITIAL MONITORING	☐ 51 NONE	☐ 55 UNKNOWN	☐ 56 OTHER

VI. TANK CLOSURE INFORMATION

1. ESTIMATED DATE LAST USED (MO/DAY/YR)	2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING _____ GALLONS	3. WAS TANK FILLED WITH INERT MATERIAL? YES ☐ NO ☐
---	--	--

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

APPLICANT'S NAME (PRINTED & SIGNED) <u>John R. White</u>	DATE <u>1/5/99</u>
--	--------------------

LOCAL AGENCY USE ONLY THE STATE I.D. NUMBER IS COMPOSED OF THE FOUR NUMBERS BELOW

STATE I.D. #	COUNTY # <u>19</u>	JURISDICTION # <u>000</u>	FACILITY # <u>0000</u>	TANK # <u>000001</u>
PERMIT NUMBER	PERMIT APPROVED BY DATE		PERMIT EXPIRATION DATE	

THIS FORM MUST BE ACCOMPANIED BY A PERMIT APPLICATION - FORM A, UNLESS A CURRENT FORM A HAS BEEN FILED.
FILE THIS FORM WITH THE LOCAL AGENCY IMPLEMENTING THE UNDERGROUND STORAGE TANK REGULATIONS

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD
UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM B



COMPLETE A SEPARATE FORM FOR EACH TANK SYSTEM

MARK ONLY ONE ITEM	☐ 1 NEW PERMIT	☐ 3 RENEWAL PERMIT	☐ 5 CHANGE OF INFORMATION	☐ 7 PERMANENTLY CLOSED ON SITE
	☐ 2 INTERIM PERMIT	☐ 4 AMENDED PERMIT	☐ 6 TEMPORARY TANK CLOSURE	☒ 8 TANK REMOVED

DBA OR FACILITY NAME WHERE TANK IS INSTALLED: CITY OF LONG BEACH - PUBLIC SERVICE MAINTENANCE YARD

I. TANK DESCRIPTION COMPLETE ALL ITEMS - SPECIFY IF UNKNOWN

A. OWNER'S TANK I.D.#	TANK # 2 UL# D875086	B. MANUFACTURED BY:	National Tank & Manufacturing
C. DATE INSTALLED (MO/DAY/YEAR)	11/5/59	D. TANK CAPACITY IN GALLONS:	10,000

II. TANK CONTENTS IF A-1 IS MARKED, COMPLETE ITEM C.

A. ☒ 1 MOTOR VEHICLE FUEL	☐ 4 OIL	B. ☒ 1 PRODUCT	C. ☐ 1a REGULAR UNLEADED	☒ 3 DIESEL	☐ 6 AVIATION GAS
☐ 2 PETROLEUM	☐ 50 EMPTY	☐ 2 WASTE	☐ 1b PREMIUM UNLEADED	☐ 4 GASOLINE	☐ 7 METHANOL
☐ 3 CHEMICAL PRODUCT	☐ 95 UNKNOWN		☐ 2 LEADED	☐ 5 JET FUEL	☐ 99 OTHER (DESCRIBE IN ITEM D. BELOW)

D. IF (A.1) IS NOT MARKED, ENTER NAME OF SUBSTANCE STORED: C.A.S.#:

III. TANK CONSTRUCTION MARK ONE ITEM ONLY IN BOXES A, B, AND C, AND ALL THAT APPLIES IN BOX D AND E

A. TYPE OF SYSTEM	☐ 1 DOUBLE WALL	☐ 3 SINGLE WALL WITH EXTERIOR LINER	☐ 55 UNKNOWN
	☒ 2 SINGLE WALL	☐ 4 SECONDARY CONTAINMENT (VAULTED TANK)	☐ 99 OTHER
B. TANK MATERIAL (Primary Tank)	☒ 1 BARE STEEL	☐ 2 STAINLESS STEEL	☐ 3 FIBERGLASS
	☐ 5 CONCRETE	☐ 6 POLYVINYL CHLORIDE	☐ 7 ALUMINUM
	☐ 9 BRONZE	☐ 10 GALVANIZED STEEL	☐ 55 UNKNOWN
C. INTERIOR LINING	☐ 1 RUBBER LINING	☐ 2 ALKYL LINING	☐ 3 EPOXY LINING
	☐ 5 GLASS LINING	☐ 6 UNLEADED	☐ 4 PHENOLIC LINING
	IS LINING MATERIAL COMPATIBLE WITH 100% METHANOL? YES NO		
D. CORROSION PROTECTION	☐ 1 POLYETHYLENE WRAP	☐ 2 COATING	☐ 3 VINYL WRAP
	☐ 5 CATHODIC PROTECTION	☐ 91 NONE	☐ 4 FIBERGLASS REINFORCED PLASTIC
		☐ 55 UNKNOWN	☐ 99 OTHER
E. SPILL AND OVERFILL	SPILL CONTAINMENT INSTALLED (YEAR)		OVERFILL PREVENTION EQUIPMENT INSTALLED (YEAR)

IV. PIPING INFORMATION CIRCLE A IF ABOVE GROUND OR U IF UNDERGROUND, BOTH IF APPLICABLE

A. SYSTEM TYPE	A U 1 SUCTION	A U 2 PRESSURE	A U 3 GRAVITY	A U 99 OTHER
B. CONSTRUCTION	A U 1 SINGLE WALL	A U 2 DOUBLE WALL	A U 3 LINED TRENCH	A U 55 UNKNOWN
C. MATERIAL AND CORROSION PROTECTION	A U 1 BARE STEEL	A U 2 STAINLESS STEEL	A U 3 POLYVINYL CHLORIDE (PVC)	A U 4 FIBERGLASS PIPE
	A U 5 ALUMINUM	A U 6 CONCRETE	A U 7 STEEL W/COATING	A U 8 100% METHANOL COMPATIBLE W/PP
	A U 9 GALVANIZED STEEL	A U 10 CATHODIC PROTECTION	A U 55 UNKNOWN	A U 99 OTHER
D. LEAK DETECTION	☐ 1 AUTOMATIC LINE LEAK DETECTOR	☐ 2 LINE REMINDER TESTING	☐ 3 MANUAL TESTING	☐ 99 OTHER

V. TANK LEAK DETECTION

☐ 1 VISUAL CHECK	☐ 5 INVENTORY RECONCILIATION	☐ 9 WIDE MONITORING	☐ 4 AUTOMATIC TANK GAUGING	☐ 6 GROUND WATER MONITORING
☐ 8 TANK TESTING	☐ 7 INTERNAL TANK MONITORING	☐ 91 NONE	☐ 55 UNKNOWN	☐ 99 OTHER

VI. TANK CLOSURE INFORMATION

1. ESTIMATED DATE LAST USED (MO/DAY/YR)	2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING	3. WAS TANK FILLED WITH HAZARDOUS MATERIAL? YES NO
---	--	--

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

APPLICANT'S NAME (PRINTED & SIGNED) John R. L. DATE 1/5/99

LOCAL AGENCY USE ONLY THE STATE I.D. NUMBER IS COMPOSED OF THE FOUR NUMBERS BELOW

STATE I.D.#	COUNTY #	JURISDICTION #	FACILITY #	TANK #
	17	000		000002
PERMIT NUMBER	PERMIT APPROVED SIGNATURE	PERMIT EXPIRATION DATE		

THIS FORM MUST BE ACCOMPANIED BY A PERMIT APPLICATION - FORM A, UNLESS A CURRENT FORM A HAS BEEN FILED.
FILE THIS FORM WITH THE LOCAL AGENCY IMPLEMENTING THE UNDERGROUND STORAGE TANK REGULATIONS

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD
UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM B



COMPLETE A SEPARATE FORM FOR EACH TANK SYSTEM.

MARK ONLY ONE ITEM	☐ 1 NEW PERMIT	☐ 3 RENEWAL PERMIT	☐ 5 CHANGE OF INFORMATION	☐ 7 PERMANENTLY CLOSED ON SITE
	☐ 2 INTERIM PERMIT	☐ 4 AMENDED PERMIT	☐ 6 TEMPORARY TANK CLOSURE	☒ 8 TANK REMOVED

DBA OR FACILITY NAME WHERE TANK IS INSTALLED: CITY OF LONG BEACH - PUBLIC SERVICE MAINTENANCE YARD

I. TANK DESCRIPTION COMPLETE ALL ITEMS - SPECIFY IF UNKNOWN

A. OWNER'S TANK I.D.# <u>TANK # 3 UL # 27606</u>	B. MANUFACTURED BY: <u>JOOR</u>
C. DATE INSTALLED (MO/DAY/YEAR) <u>7/19/88</u>	D. TANK CAPACITY IN GALLONS: <u>1,000</u>

II. TANK CONTENTS

IF A-1 IS MARKED, COMPLETE ITEM C.

Tank never used (Originally meant for Solvent)

A. ☐ 1 MOTOR VEHICLE FUEL	☐ 4 OIL	B. ☒ 1 PRODUCT	C. ☐ 1a REGULAR UNLEADED	☐ 3 DIESEL	☐ 6 AVIATION GAS
☐ 2 PETROLEUM	☐ 50 EMPTY	☐ 2 WASTE	☐ 1b PREMIUM UNLEADED	☐ 4 GASOLINE	☐ 7 METHANOL
☒ 3 CHEMICAL PRODUCT	☐ 95 UNKNOWN		☐ 2 LEADED	☒ 5 JET FUEL	
D. IF (A.1) IS NOT MARKED, ENTER NAME OF SUBSTANCE STORED: <u>UNKNOWN (REMOVED)</u>					

III. TANK CONSTRUCTION

MARK ONE ITEM ONLY IN BOXES A, B, AND C, AND ALL THAT APPLIES IN BOX D AND E

A. TYPE OF SYSTEM	☒ 1 DOUBLE WALL	☐ 2 SINGLE WALL WITH EXTERIOR LINER	☐ 3 UNKNOWN
	☒ 2 SINGLE WALL	☐ 4 SECONDARY CONTAINMENT (VAULTED TANK)	☐ 50 OTHER
B. TANK MATERIAL (Primary Tank)	☒ 1 BARE STEEL	☐ 2 STAINLESS STEEL	☐ 3 FIBERGLASS
	☐ 5 CONCRETE	☐ 6 POLYVINYL CHLORIDE	☒ 4 STEEL CLAD W/ FIBERGLASS REINFORCED PLASTIC
	☐ 9 BRONZE	☐ 10 GALVANIZED STEEL	☐ 7 ALUMINUM
C. INTERIOR LINING	☐ 1 RUBBER LINING	☐ 2 ALKYL LINING	☐ 3 EPOXY LINING
	☐ 5 GLASS LINING	☐ 6 UNLINED	☐ 4 PHENOLIC LINING
	IS LINING MATERIAL COMPATIBLE WITH 100% METHANOL? YES ☐ NO ☐		
D. CORROSION PROTECTION	☐ 1 POLYETHYLENE WRAP	☐ 2 COATING	☐ 3 VINYL WRAP
	☐ 5 CATHODIC PROTECTION	☐ 6 NONE	☐ 4 FIBERGLASS REINFORCED PLASTIC
	☐ 50 UNKNOWN ☐ 50 OTHER		
E. SPILL AND OVERFILL	SPILL CONTAINMENT INSTALLED (YEAR) _____ OVERFILL PREVENTION EQUIPMENT INSTALLED (YEAR) _____		

IV. PIPING INFORMATION

CIRCLE A IF ABOVE GROUND OR U IF UNDERGROUND, BOTH IF APPLICABLE

A. SYSTEM TYPE	A U 1 SUCTION	A U 2 PRESSURE	A U 3 GRAVITY	A U 50 OTHER
B. CONSTRUCTION	A U 1 SINGLE WALL	A U 2 DOUBLE WALL	A U 3 LINED TRENCH	A U 50 UNKNOWN
C. MATERIAL AND CORROSION PROTECTION	A U 1 BARE STEEL	A U 2 STAINLESS STEEL	A U 3 POLYVINYL CHLORIDE (PVC)	A U 4 FIBERGLASS PIPE
	A U 5 ALUMINUM	A U 6 CONCRETE	A U 7 STEEL COATINGS	A U 8 100% METHANOL COMPATIBLE WRAP
	A U 9 GALVANIZED STEEL	A U 10 CATHODIC PROTECTION	A U 50 UNKNOWN	A U 50 OTHER
D. LEAK DETECTION	☐ 1 AUTOMATIC LEAK DETECTOR	☐ 2 LINE TIGHTNESS TESTING	☐ 3 OTHER	☐ 50 OTHER

V. TANK LEAK DETECTION

☐ 1 VISUAL CHECK	☐ 2 INVENTORY RECONCILIATION	☐ 3 TANKS MONITORING	☐ 4 AUTOMATIC TANK GAUGES	☐ 5 GROUND WATER MONITORING
☐ 6 TANK TESTING	☐ 7 INTERSTITIAL MONITORING	☐ 8 NONE	☐ 9 UNKNOWN	☐ 10 OTHER

VI. TANK CLOSURE INFORMATION

1. ESTIMATED DATE LAST USED (MO/DAY/YR)	2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING _____ GALLONS	3. WAS TANK FILLED WITH INERT MATERIAL? YES ☐ NO ☐
---	--	--

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

APPLICANT'S NAME (PRINTED & SIGNED)

John R. White

DATE 1/5/99

LOCAL AGENCY USE ONLY THE STATE I.D. NUMBER IS COMPOSED OF THE FOUR NUMBERS BELOW

STATE I.D.#	COUNTY # <u>17</u>	JURISDICTION # <u>060</u>	FACILITY # <u>0000</u>	TANK # <u>000003</u>
PERMIT NUMBER	PERMIT APPROVED SIGNATURE	PERMIT EXPIRATION DATE		

THIS FORM MUST BE ACCOMPANIED BY A PERMIT APPLICATION - FORM A, UNLESS A CURRENT FORM A HAS BEEN FILED.
FILE THIS FORM WITH THE LOCAL AGENCY IMPLEMENTING THE UNDERGROUND STORAGE TANK REGULATIONS



UNDERGROUND STORAGE TANK INSPECTION REPORT

925 Harbor Plaza, Suite 100
Phone (310) 570-2560

Long Beach, California 90802
Fax (310) 570-2566

NAME

ADDRESS

PHONE#

Site City of L.B. Pub Svc Yd 1725 San Francisco Ave. 90813

DATE 1/21/99

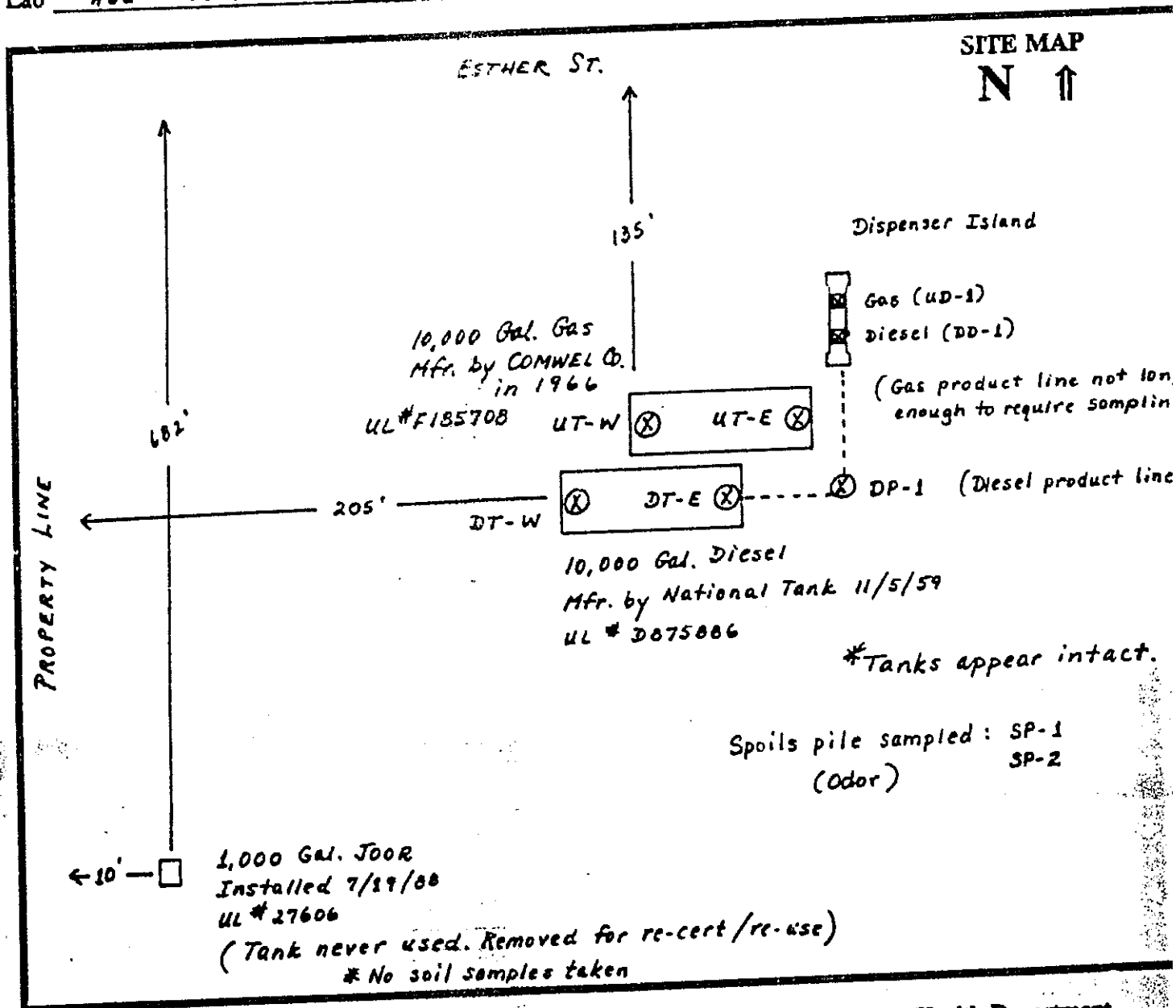
Owner City of L.B. Fleet Svcs 2801 E. Willow St. 90806 570-5410

Contractor Foss Ew. Pier D, Berth 247 L.B. 90802 590-6706

PROJECT# 268704

Geologist John Haney (McLaren-Hart) 16755 Van Kerman Ave. Irvine 92606 (949) 756-2667

Lab ASL 3225 San Fernando Rd. Los Angeles 90065 (213) 254-7700 INSPECTOR W. Swenson



Remove 3 tank(s) per current Long Beach Fire Department and Long Beach Health Department guidelines. Soil sample analysis shall be submitted to both agencies within 14 days.

I have read and understand the above.

Signature

Print name & phone #

McLaren/Hart

ASSOCIATE ENGINEER
Company and Title

GENERAL PROJECT INFORMATION

- A. SITE ADDRESS: 1601 San Francisco Ave. City Long Beach Zip 90802
1725
Assessors Parcel No. _____
- B. PROPERTY OWNER:
Company City of Long Beach - Fleet Services Contact DAVID McCARTY
Home Mailing Address 2801 E. Willow Street City Long Beach Zip 90802
Home Phone # (562) 570-5410
24 hr. Contact DAVID McCARTY Phone # (562) 570-5410
- C. TANK OPERATOR/OWNER:
Company City of Long Beach - Fleet Services Contact DAVID McCARTY
Home Mailing Address 2801 E. Willow Street City Long Beach Zip 90802
Home Phone # (562) 570-5410
24 hr. Contact DAVID McCARTY Phone # (562) 570-5410
- D. CONTRACTOR:
Primary Contractor FOSS ENVIRONMENTAL Contact JOHN R. WHITE
Mailing Address Pier D, Berth D47 City Long Beach Zip 90802
Phone # (562) 590-6706
State Contractor License & Type 716581 Class A, HAZ. Exp. Date 12/31/1999
Workers Compensation Insurance Co. Willis Corron Corp. Exp. Date 7/1/1999
City of Long Beach Business License # BU93030990 Exp. Date 7/1/1999
- E. REMOVAL METHOD: Method #1-Hazardous _____ Method #2-Clean _____
- F. SOIL SAMPLING:
Name McLAREN-HART Phone # (949) 756-2667
Address 16755 Von Karman Ave. City IRVINE Zip 92606
Circle Applicable Title:
California Registered Civil Engineer; Certified Engineer Geologist; or Registered Geologist
Name - State Certified Laboratory ASL Phone # (213) 254-7700
Address 3225 San Fernando Rd. City Los Angeles Zip 90065

FIRE PREVENTION PLAN CHECK WORKSHEET

PROJECT # 268704 (T)
(Dept. Use Only)

DATE: 1/6/99

TYPE OF PLANS: (Put an X in front of ONE)

- | | |
|---|--|
| ☐ Building/New Construction | ☐ Building/Tenant Improvement |
| ☐ Sprinkler/New Construction | ☐ Sprinkler/Tenant Improvement |
| ☐ Dry/Wet Chemical | ☐ () No. Sprinkler Heads |
| ☐ Fire Alarm | ☐ Fire Hydrant(s) |
| ☐ Above Ground Tanks
() No. of Tanks | ☒ Underground Tanks
(<u>3</u>) No. of Tanks |
| ☐ Other | ☐ Spray Booth |

REMOVAL

PLEASE PRINT - MUST BE FILLED OUT COMPLETELY

PROJECT NAME: <u>CITY OF LONG BEACH - PUBLIC SERVICE MAINTENANCE YARD</u>		
PROJECT ADDRESS: <u>1825 San Francisco Ave. Long Beach, CA 90802</u>		
DESCRIPTION OF WORK: <u>TANK REMOVAL</u>		
APPLICANT/CONTRACTOR: <u>FUSS ENVIRONMENTAL</u>	PHONE: <u>(562) 590-6706</u>	FAX#: <u>(562)</u>
ADDRESS/CITY/ST/ZIP: <u>Pier D, Berth 147, LB 90802</u>		
STATE LIC.#: <u>716581</u>	CLASS: <u>A</u>	EXPIRATION DATE: <u>12/31/1999</u>
CITY BUS. LIC. #: <u>B493030990</u>		EXPIRATION DATE: <u>7/1/1999</u>
CURRENT BUILDING USE:	PROPOSED BUILDING USE:	
OCCUPANCY CLASSIFICATION: (per UBC)	SQ. FT.	TYPE OF CONSTRUCTION:
BUILDING SPRINKLERED: YES ☐ NO ☒		

(Fire Prevention Office Use Only)

Plans Submitted By: TONY MADHAR (JOHN WHITE)

Plan Review Fees: \$400.00 (PLS ADVISE)

Plan Review Checked By: [Signature]

Approved Date: 1-8-99

WORKSHTS.PC 1/1/96

(3) SETS

APPROVED
JAN 08 1999
L.B.P.D.
BUREAU OF FIRE PREVENTION

GENERAL PROJECT INFORMATION

A. SITE ADDRESS: 1601 San Francisco Ave City Long Beach Zip 90802
1725
Assessors Parcel No. _____

B. PROPERTY OWNER:
Company City of Long Beach - Fleet Services Contact David McCarty
~~Home~~ Mailing Address 2801 E. Willow Street City Long Beach Zip 90802
~~Home~~ Phone # (562) 570-5410
24 hr. Contact David McCarty Phone # (562) 570-5410

C. TANK OPERATOR/OWNER:
Company City of Long Beach - Fleet Services Contact David McCarty
~~Home~~ Mailing Address 2801 E. Willow Street City Long Beach Zip 90802
~~Home~~ Phone # (562) 570-5410
24 hr. Contact David McCarty Phone # (562) 570-5410

D. CONTRACTOR:
Primary Contractor Fess Environmental Contact John R. White
Mailing Address Pier D, Berth 047 City Long Beach Zip 90802
Phone # (562) 590-6706

State Contractor License & Type 716 SBI Class A w/ Hazardous Subcontractors Endorsement Exp. Date 12/31/1999
Workers Compensation Insurance Co. Willis Corwin Corp Exp. Date 7/1/1999
City of Long Beach Business License # BU 93032990 Exp. Date 7/1/1999

E. REMOVAL METHOD: Method #1-Hazardous _____ Method #2-Clean X

F. SOIL SAMPLING:
Name McLaren-Hart Phone # (919) 756-2667
Address 16755 Von Krummen Avenue City Irvine Zip 92606

Circle Applicable Title:
California Registered Civil Engineer; Certified Engineer Geologist; or Registered Geologist
Name - State Certified Laboratory ASL Phone # (213) 254-7700
Address 3225 San Fernando Road City Los Angeles Zip 90065

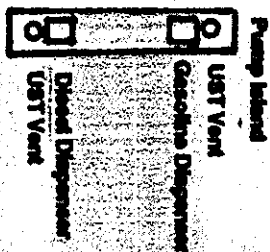
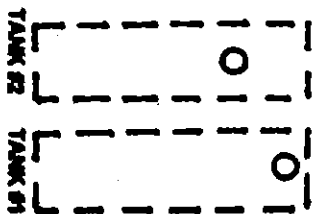
Chain Link Fence

GATE

Esther Ave.

CITY OF LONG BEACH -
PUBLIC SERVICE MAINTENANCE YARD
1725 160TH SAN FRANCISCO AVENUE
LONG BEACH, CA 90802

EXISTING STRUCTURE



EXISTING STRUCTURE

San Francisco Ave.

LEGEND

--- = Approximate
Tank #1 = 10,000 Gallons
Tank #2 = 10,000 Gallons

FOSS ENVIRONMENTAL PROJECT

Plot Plan / Tanks

SITE
City of
Public Service

SCALE: 1" = 20'

Drawn By: TSM



**McLaren[®]
Hart**

ENVIRONMENTAL ENGINEERING CORPORATION

January 26, 1999

RECEIVED
FEB 01 1999 (WS)
FIRE PREVENTION

Cheryl Sandel
City of Long Beach
Department of Health and Human Services
Hazardous Materials Division
2525 Grand Avenue
Long Beach, CA 90815

**RE: UST REMOVAL- PUBLIC SERVICE YARD, SITE NO. 43
1725 SAN FRANCISCO AVENUE, LONG BEACH, CALIFORNIA
McLAREN/HART PROJECT NO. 03.0603625.001**

Dear Ms. Sandel:

McLaren/Hart removed three tanks located at 1725 San Francisco Avenue (Project Number F268704) and collected nine soil samples under the direction of Long Beach Fire Inspector Wayne Swenson on January 21, 1999. Samples were collected utilizing a hand auger and drive sampler, placed in a thermally insulated cooler, and transported under proper chain-of-custody procedures to American Scientific Laboratories, a California Certified Laboratory in Los Angeles, California on January 21, 1999. Samples were analyzed for TPHg and TPHd using EPA Method 8015M and BTEX and MTBE using EPA Method 8020. Enclosed are copies of sample analysis results, chain-of-custody, and a plot plan identifying the locations of samples collected for the above referenced project.

If you have any comments or inquiries regarding this letter or attachments, please contact me at (949) 752-3202 or John Haney at (949) 752-3285.

Sincerely,

J.R. Morabito, P.E.
Principal Engineer

Attachments

cc: ✓ Wayne Swenson, Long Beach Fire Department, City of Long Beach
David McCarty, Fleet Services Bureau, City of Long Beach

\\MHIRVINE\DATA\PROJECTS\LI\LONGBEAC\0603625.001\tr002.doc



AMERICAN SCIENTIFIC LABORATORIES, LLC

Environmental Testing Services

3225 San Fernando Road, LA, CA 90065 Tel: (323) 254-7700 • Fax: (323) 254-7799

Page 1 Of 1

ASL JOB# _____

Company: <u>McLAREN/HART</u>		Report To: <u>J.R. McRABITO</u>	ANALYSIS REQUESTED	
Address: <u>16755 VON KARMAN AVE</u>		Address: <u>SAME</u>	<u>2015 M DIESEL</u> <u>2015 M GAS</u> <u>BTEX & MTBE 2010</u>	
<u>IRVINE, CA</u>		Invoice To: <u>SAME</u>		
Telephone: <u>949 752 3202</u>		Address: <u>N/A</u>		
Fax: <u>949 756 8460</u>				
Special Instruction: <u>FAX RESULTS UPON COMPLETION</u>		P.O.#:		
Project Name: <u>LRC TANK REMOVAL</u>				
Site Address: <u>1601 SAN FRANCISCO AVE</u>				
Project ID: <u>030603625.001.001</u>				
Project Manager: <u>J.R. McRABITO</u>				

I T E M	LAB USE ONLY	SAMPLE DESCRIPTION					Container(s)		Matrix	Preservation											Remarks	
	Lab ID	Sample ID	Date	Time	#	Type																
		DD-1	1-21-99	09:20	1	BRASS	SOIL	4°C	X	X	X										2' bgs	
		DT-E		10:00					X	X	X		} RUN THESE SAMPLES FIRST								14' bgs	
		UT-E		10:10					X	X	X											14' bgs
		UT-W		10:25					X	X	X											15' bgs
		DT-W		10:35					X	X	X											15' bgs
		UD-1		10:50					X	X	X											2' bgs
		DP-1		11:30					X	X	X											4' bgs
		JP-1		11:35					X	X	X											STOCKPILE WEST
		JP-2		11:40					X	X	X											STOCKPILE EAST
																						24 HR.

Collected By: <u>J. HANEY</u>	Date <u>1/21/99</u> Time <u>12:00</u>	Relinquished By: _____	Date _____ Time _____	TAT
Relinquished By: <u>[Signature]</u>	Date <u>1/21/99</u> Time <u>14:45</u>	Received For Laboratory: <u>[Signature]</u>	Date <u>1/21</u> Time <u>14:45</u>	☐ Normal
Condition of Sample: _____				☒ Rush



AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

Fax Cover Sheet

To: J.R. Morabito

Company: Melaren Hart Fax #: 949/756-8460

From: Lily

Date: 1-22-99 Time: 3:10pm

Number of Pages(Including Cover): 14

Notes: please, check the report and call us with any
additional request as soon as possible.

1-22-1999 4:00PM

FROM AMERICAN_SCIENFIC_LABS 2132547799

P. 2



AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

McLaren Hart
16755 Von Karman Ave.
Suite 200
Irvine, CA 92606-4918

Number of Pages: 13
Date Received : 01/21/99
Date Reported : 01/22/99

Attn : J.R.Morabito
Phone: 949/756-2667

ASL Job Number: 4478

Project Name : LBC Tank Removal
Project Number : 030603625.001.001

Site: 1601 San Francisco Ave.

Enclosed are the results of analyses on 9 soil samples
analyzed as specified on attached chain of custody.

Checked By

Wenker

Approved By

ROBERT G. ARAGHI
LABORATORY DIRECTOR

1-22-1999 4:00PM

FROM AMERICAN SCIENTIFIC LABS 2132547799

P. 3



AMERICAN SCIENTIFIC LABORATORIES, LLC

Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4478
 Project ID: 030603625.001.001
 Project Name: LBC Tank Removal

Page: 2

Report To: (MCLH) McLaren Hart
 16755 Von Karman Ave.
 Suite 200
 Irvine, CA 92606-4918

Site: 1601 San Francisco Ave.

Attn: J.R. Morabito

Phone: 949/756-2667

Method: (8015M/DHSUFT)
 TPH as Diesel Range Organics
 Matrix: Soil
 Units: mg/kg

Lab ID:	30322	30323	30324	30325	
Sample No:	DD-1	DT-E	UT-E	UT-W	
Date Sampled:	01/21/99	01/21/99	01/21/99	01/21/99	
Date Extracted:	01/21/99	01/21/99	01/21/99	01/21/99	
Date Analyzed:	01/21/99	01/21/99	01/21/99	01/21/99	Detection Limit

TPH DRO (C13-C22)

11400

ND

ND

ND

10

Quality Control Report

Lab ID:	30322	30323	30324	30325
Surrogate %REC.				
Chlorobenzene	109	87	85	84
	Spike %REC.	Spike DUP. %REC.	AVG. RPD	
TPH as Diesel	99	99	< 1	

ND - Not Detected at The Detection Limit

2225 San Francisco Ave.

1-22-1999 4:00PM

FROM AMERICAN SCIENTIFIC LABS 2132547799

P. 4



AMERICAN SCIENTIFIC LABORATORIES, LLC

Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 1478
 Project ID: 030603625.001.001
 Project Name: LBC Tank Removal

Page: 3

Report To: (MCLH) McLaren Hart
 16755 Von Karman Ave.
 Suite 200
 Irvine, CA 92606-4918

Site: 1601 San Francisco Ave.

Attn: J.R. Morabito

Phone: 949/756-2667

Method: (8015M/DHSLUFT)
 TPH as Diesel Range Organics
 Matrix: Soil
 Units: mg/kg

Lab ID:	30326	30327	30328	30329	
Sample No:	DT-W	UD-1	DP-1	SP-1	
Date Sampled:	01/21/99	01/21/99	01/21/99	01/21/99	
Date Extracted:	01/21/99	01/21/99	01/21/99	01/21/99	Detection
Date Analyzed:	01/21/99	01/21/99	01/21/99	01/21/99	Limit

TPH DRO (C13-C22)

ND

ND

ND

ND

10

Quality Control Report

Lab ID:	30326	30327	30328	30329
Surrogate %REC.				
Chlorobenzene	85	95	82	96
	Spike	Spike DUP.	AVG.	
	%REC.	%REC.	RPD	
TPH as Diesel	99	99	< 1	

ND - NOT Detected at The Detection Limit

1-22-1999 4:01PM

FROM AMERICAN_SCIENFIC_LABS 2132547799

P.5



AMERICAN SCIENTIFIC LABORATORIES, LLC

Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4478
 Project ID: 030603625.001.001
 Project Name: UBC Tank Removal

Page: 4

Report To: (MCLH) McLaren Hart
 16755 Von Karman Ave.
 Suite 200
 Irvine, CA 92606-4918

Site: 1601 San Francisco Ave.

Attn: J.R. Morabito

Phone: 949/756-2667

Method: (8015M/DHSLUPT)
 Matrix: TPH as Diesel Range Organics
 Units: Soil
 mg/kg

Lab ID: 30330
 Sample No: SP-2
 Date Sampled: 01/21/99
 Date Extracted: 01/21/99
 Date Analyzed: 01/21/99

Detection Limit

TPH DRO (C13-C22)

9310

10

Quality Control Report

Lab ID: 30330

Surrogate %REC.
 Chlorobenzene

120

Spike
 %REC.

Spike DUP.
 %REC.

AVG.
 RPD

TPH as Diesel

99

99

< 1

ND - NOT Detected at The Detection Limit

2225 San Francisco Ave. Irvine, CA 92606-4918



AMERICAN SCIENTIFIC LABORATORIES, LLC

Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4478
 Project ID: 030603625.001.001
 Project Name: LBC Tank Removal

Page: 5

Report To: (MCLH)
 McLaren Hart
 16755 Von Karman Ave.
 Suite 200
 Irvine, CA 92606-4918

Site: 1601 San Francisco Ave.

Attn: J.R. Morabito

Phone: 949/756-2667

Method: [8015MOD/8020]
 Matrix: TPH as Gasoline/BETX & MTBE
 Units: Soil
 ug/kg
 Lab ID: 30322
 Sample No: DD-1
 Date Sampled: 01/21/99
 Date Extracted: 01/21/99
 Date Analyzed: 01/22/99

Detection
 Limit

Benzene	62	50
Ethylbenzene	50	50
Toluene	50	50
Xylenes (Total)	280	100
MTBE	ND	200
TPH as Gasoline	15	10 (mg/kg)

Quality Control Report

Lab ID: 30322

Surrogate %REC.
 Bromofluorobenzene

119

	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Benzene	115	106	8.1
Toluene	114	103	10.1

ND - Not Detected at The Detection Limit

3225 San Fernando Road, Los Angeles, California 90065 • (323) 254-7700, Fax: (323) 254-7799



AMERICAN SCIENTIFIC LABORATORIES, LLC

Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4478
 Project ID: 030603625.001.001
 Project Name: LBC Tank Removal

Page: 6

Report To: (MCLH)
 McLaren Hart
 16755 Von Karman Ave.
 Suite 200
 Irvine, CA 92606-4918

Site: 1601 San Francisco Ave.

Attn: J.R. Morabito

Phone: 949/756-2667

Method: [8015MOD/8020]
 Matrix: TPH as Gasoline/BETX & MTBE
 Units: Soil
 ug/kg

Lab ID: 30323
 Sample No: DT-E
 Date Sampled: 01/21/99
 Date Extracted: 01/22/99
 Date Analyzed: 01/22/99

Detection Limit

Benzene	ND	5
Ethylbenzene	90	5
Toluene	ND	5
Xylenes (Total)	70	10
MTBE	40	20
TPH as Gasoline	ND	1.0 (mg/kg)

Quality Control Report

Lab ID: 30323

Surrogate & REC.
 Bromofluorobenzene

114

	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Benzene	115	106	9.1
Toluene	114	103	10.1

ND - NOT Detected at The Detection Limit

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AMERICAN SCIENTIFIC LABORATORIES, LLC

Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4478
 Project ID: 030603625.001.001
 Project Name: LBC Tank Removal

Page: 7

Report To: (MCLH) McLaren Hart
 16755 Von Karman Ave.
 Suite 200
 Irvine, CA 92606-4918

Site: 1601 San Francisco Ave.

Attn: J.R. Morabito

Phone: 949/756-2667

Method: [8015MOD/8020]
 Matrix: TPH as Gasoline/BETX & MTBE
 Units: Soil
 ug/kg

Lab ID: 30324
 Sample No: UT-E
 Date Sampled: 01/21/99
 Date Extracted: 01/21/99
 Date Analyzed: 01/21/99

Detection
 Limit

Benzene	ND	5
Ethylbenzene	ND	5
Toluene	ND	5
Xylenes (Total)	ND	10
MTBE	ND	20
TPH as Gasoline	ND	1.0 (mg/kg)

Quality Control Report

Lab ID: 30324

Surrogate %REC.

Bromofluorobenzene

84

	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Benzene	105	104	< 1
Toluene	101	100	1

ND - Not Detected at The Detection Limit

3225 San Fernando Road Los Angeles California 90065 (323) 254-7799



AMERICAN SCIENTIFIC LABORATORIES, LLC

Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4478
 Project ID: 030603625.001.001
 Project Name: LBC Tank Removal

Page: 8

Report To: (MCLH)
 McLaren Hart
 16755 Von Karman Ave.
 Suite 200
 Irvine, CA 92606-4918

Site: 1601 San Francisco Ave.

Attn: J.R. Morabito

Phone: 949/756-2667

Method: [8015MOD/8020]
 Matrix: TPH as Gasoline/BETX & MTBE
 Units: Soil
 ug/kg

Lab ID: 30325
 Sample No: UT-W
 Date Sampled: 01/21/99
 Date Extracted: 01/21/99
 Date Analyzed: 01/21/99

Detection Limit

Benzene	ND	5
Ethylbenzene	ND	5
Toluene	ND	5
Xylenes (Total)	ND	10
MTBE	115	20
TPH as Gasoline	ND	1.0 (mg/Kg)

Quality Control Report

Lab ID: 30325

Surrogate %REC.
 Bromofluorobenzene 114

	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Benzene	105	104	< 1
Toluene	101	100	1

ND - Not Detected at The Detection Limit

1-22-1999 4:03PM

FROM AMERICAN_SCIENFIC_LABS 2132547799

P. 10



AMERICAN SCIENTIFIC LABORATORIES, LLC

Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4478
 Project ID: 030603625.001.001
 Project Name: LBC Tank Removal

Page: 9

Report To: (MCLH)
 McLaren Hart
 16755 Von Karman Ave.
 Suite 200
 Irvine, CA 92606-4918

Site: 1601 San Francisco Ave.

Attn: J.R. Morabito

Phone: 949/756-2667

Method: [8015MOD/8020]
 Matrix: TPH as Gasoline/BETX & MTBE
 Units: Soil
 ug/kg

Lab ID: 30326
 Sample No: DT-W
 Date Sampled: 01/21/99
 Date Extracted: 01/22/99
 Date Analyzed: 01/22/99

Detection
 Limit

Benzene	18	5
Ethylbenzene	450	5
Toluene	55	5
Xylenes (Total)	524	10
MTBE	195	20
TPH as Gasoline	43	1.0 (mg/kg)

Quality Control Report

Lab ID: 30326

Surrogate %REC.
 Bromofluorobenzene 120

	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Benzene	115	106	8.1
Toluene	114	103	10.1

Comment to Sample(s)

30326: MTBE not included in TPH calculation.

ND - Not Detected at The Detection Limit

1-22-1999 4:03PM

FROM AMERICAN SCIENTIFIC LABS 2132547799

P. 11



AMERICAN SCIENTIFIC LABORATORIES, LLC

Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4478
 Project ID: 030603625.001.001
 Project Name: LBC Tank Removal

Page: 10

Report To: (MCLH)
 McLaren Hart
 16755 Von Karman Ave.
 Suite 200
 Irvine, CA 92606-4918

Site: 1601 San Francisco Ave.

Attn: J.R. Morabito

Phone: 949/756-2667

Method: [8015MOD/80201
 TPH as Gasoline/BETX & MTBE
 Matrix: Soil
 Units: ug/kg
 Lab ID: 30327
 Sample No: UD-1
 Date Sampled: 01/21/99
 Date Extracted: 01/22/99
 Date Analyzed: 01/22/99

Detection
 Limit

Benzene	61	5
Ethylbenzene	186	5
Toluene	784	5
Xylenes (Total)	1660	10
MTBE	15100	20
TPH as Gasoline	12	1.0 (mg/Kg)

Quality Control Report

Lab ID: 30327

Surrogate %REC.
 Bromofluorobenzene

119

	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Benzene	115	106	8.1
Toluene	114	103	10.1

Comment to Sample(s)

30327: MTBE not included in TPH calculation.

ND - Not Detected at The Detection Limit



AMERICAN SCIENTIFIC LABORATORIES, LLC

Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4478
 Project ID: 030603625.001.001
 Project Name: LBC Tank Removal

Page: 11

Report To: (MCLH)
 McLaren Hart
 16755 Von Karman Ave.
 Suite 200
 Irvine, CA 92606-4918

Site: 1601 San Francisco Ave.

Attn: J.R.Morabitp

Phone: 949/756-2667

Method: [8015MOD/8020]
 Matrix: TPH as Gasoline/BETX & MTBE
 Units: Soil
 ug/kg
 Lab ID: 30328
 Sample No: DP-1
 Date Sampled: 01/21/99
 Date Extracted: 01/21/99
 Date Analyzed: 01/21/99

Detection
 Limit

Benzene	ND	5
Ethylbenzene	ND	5
Toluene	ND	5
Xylenes (Total)	ND	10
MTBE	ND	20
TPH as Gasoline	ND	1.0 (mg/Kg)

Quality Control Report

Lab ID: 30328
 Surrogate %REC.
 Bromofluorobenzene 114

	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Benzene	105	104	< 1
Toluene	101	100	1

ND - Not Detected at The Detection Limit



AMERICAN SCIENTIFIC LABORATORIES, LLC

Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4478
 Project ID: 030603625.001.001
 Project Name: LBC Tank Removal

Page: 12

Report To: (MCLH) McLaren Hart
 16755 Von Karman Ave.
 Suite 200
 Irvine, CA 92606-4918
 Site: 1601 San Francisco Ave.

Attn: J.R. Morabito Phone: 949/756-2667

Method: [8015MOD/8020]
 Matrix: TPH as Gasoline/BETX & MTBE
 Units: Soil
 ug/kg
 Lab ID: 30329
 Sample No: SP-1
 Date Sampled: 01/21/99
 Date Extracted: 01/21/99
 Date Analyzed: 01/21/99
 Detection Limit

Benzene	ND	5
Ethylbenzene	9	5
Toluene	ND	5
Xylenes (Total)	38	10
MTBE	80	20
TPH as Gasoline	3.2	1.0 (mg/Kg)

Quality Control Report

Lab ID: 30329

Surrogate %REC.
 Bromofluorobenzene 120

	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Benzene	105	104	< 1
Toluene	101	100	1

Comment to Sample(s)
 30329: MTBE not included in TPH calculation.

ND - Not Detected at The Detection Limit



AMERICAN SCIENTIFIC LABORATORIES, LLC

Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4478
Project ID: 030603625.001.001
Project Name: LBC Tank Removal

Page: 13

Report To: (MCLH)
McLaren Hart
16755 Von Karman Ave.
Suite 200
Irvine, CA 92606-4918

Site: 1601 San Francisco Ave.

Attn: J.R. Morabito

Phone: 949/756-2667

Method: [8015MOD/8020]
TPH as Gasoline/BETX & MTBE
Matrix: Soil
Units: ug/kg
Lab ID: 30330
Sample No: SP-2
Date Sampled: 01/21/99
Date Extracted: 01/21/99
Date Analyzed: 01/22/99

Detection
Limit

Benzene	ND	500
Ethylbenzene	311	500
Toluene	732	500
Xylenes (Total)	9300	1000
MTBE	3820	2000
TPH as Gasoline	300	100 (mg/kg)

Quality Control Report

Lab ID: 30330

Surrogate %REC.
Bromofluorobenzene

120

	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Benzene	115	16	8.1
Toluene	114	103	10.1

Comment to Sample(s)
30330: MTBE not included in TPH calculation.

ND - NOT Detected at The Detection Limit



UNDERGROUND STORAGE TANK REMOVAL INSPECTION REPORT

925 Harbor Plaza, Suite 100
Phone (310) 570-2560

Long Beach, California 90802
Fax (310) 570-2566

NAME

ADDRESS

PHONE#

Site City of L.B. Pub Svc Yd 1725 San Francisco Ave. 90813

DATE 1/21/99

Owner City of L.B. Fleet Svcs 2801 E. Willow St. 90806 570-5410

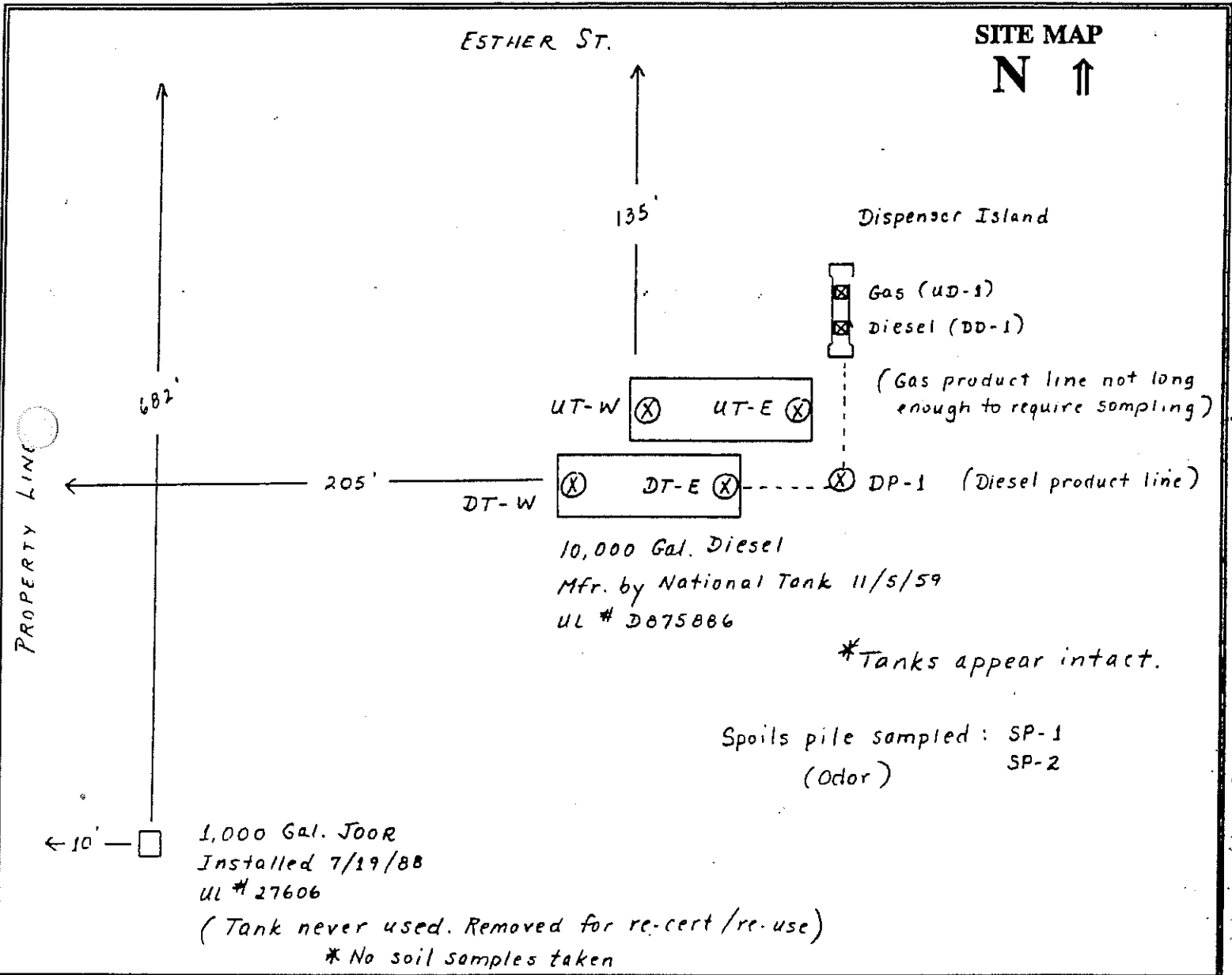
Contractor Foss Env. Pier D, Berth 247 L.B. 90802 590-6706

PROJECT# 268704

Geologist John Haney (McLaren Hart) 16755 Van Kerman Ave. Irvine 92606 (949) 756-2667

Lab ASL 3225 San Fernando Rd. Los Angeles 90065 (213) 254-7700

INSPECTOR W. Swenson



Remove 3 tank(s) per current Long Beach Fire Department and Long Beach Health Department guidelines. Soil sample analysis shall be submitted to both agencies within 14 days.

I have read and understand the above.

Signature

Print name & phone #

MCLAREN/HART
ASSOCIATE ENGINEER
Company and Title



February 1, 1999

RECEIVED
FEB 04 1999
FIRE PREVENTION

Cheryl Sandel
City of Long Beach
Department of Health and Human Services
Hazardous Materials Division
2525 Grand Avenue
Long Beach, CA 90815

**RE: ADDITIONAL SAMPLING RESULTS: UST REMOVAL- PUBLIC SERVICE YARD,
SITE NO. 43, 1725 SAN FRANCISCO AVENUE, LONG BEACH, CALIFORNIA
(McLAREN/HART PROJECT NO. 03.0603625.001)**

Dear Ms. Sandel:

This letter and attached soil sample results are being provided to supplement the data previously sent to you on January 26, 1999, regarding the removal of three tanks located at 1725 San Francisco Avenue (Project Number F268704). Based on our review of the initial soil sample analytical results (letter dated January 26, 1999), McLaren/Hart excavated additional soil in the vicinity of samples DT-W, DD-1, and UD-1 on January 27, 1999. Approximately 31 cubic yards of contaminated soil was removed from the west end of the diesel tank excavation (sample DT-W) to a depth of 18 feet below ground surface (bgs) and approximately 21 cubic yards of contaminated soil was removed from beneath the former dispenser island (samples DD-1 and UD-1) to a depth of 6 feet bgs.

Three soil samples were collected utilizing a hand auger and drive sampler, placed in a thermally insulated cooler, and transported under proper chain-of-custody procedures to American Scientific Laboratories, a California Certified Laboratory in Los Angeles, California on January 27, 1999. Sample DT-W.1 was collected near the west end of the diesel tank excavation at a depth of 18 feet bgs, sample DD-2 was collected from beneath the former location of the diesel dispenser at a depth of 6 feet bgs, and UD-2 was collected from beneath the former location of the unleaded dispenser at a depth of 6 feet bgs. Samples were analyzed for TPHg and TPHd using EPA Method 8015M and BTEX and MTBE using EPA Method 8020. Copies of soil sample analysis results, chain-of-custody form, and a plot plan identifying the locations of samples collected for the above referenced project are attached.

N:\L\LONGBEAC\0603625.001\ltr003.doc

16755 Von Karman Avenue, Suite 200, Irvine, California 92606-4918
(949) 756-2667 FAX (949) 756-8460



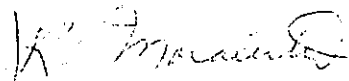
Sandel

February 1, 1999

Page 2

If you have any comments or inquiries regarding this letter or attachments, please contact me at (949) 752-3202 or John Haney at (949) 752-3285.

Sincerely,



J.R. Morabito, P.E.

Principal Engineer

Attachments

cc: Wayne Swenson, Long Beach Fire Department, City of Long Beach
David McCarty, Fleet Services Bureau, City of Long Beach

N:\L\LONGBEAC\0603625.001\LTR003.DOC

1-28-1999 5:30PM

FROM AMERICAN_SCIPTFC_LABS 2132547799

P. 2



AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

McLaren Hart
16755 Von Karman Ave.
Suite 200
Irvine, CA 92606-4918

Number of Pages: 3
Date Received : 01/27/99
Date Reported : 01/28/99

Attn : J.R. Morabito
Phone: 949/756-2667

ASL Job Number: 4508

Project Name : LBC Tank Removal
Project Number : 030603625.001.001

Site: 1601 San Francisco
Long Beach, CA

Enclosed are the results of analyses on 3 soil samples
analyzed as specified on attached chain of custody.

Checked By

Wen

Approved By

ROBERT G. ARAGHI
LABORATORY DIRECTOR



AMERICAN SCIENTIFIC LABORATORIES, LLC

Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4508
 Project ID: 030603625.001.001
 Project Name: LBC Tank Removal

Page: 2

Report To: (MCLH) McLaren Hart
 16755 Von Karman Ave
 Suite 200
 Irvine, CA 92606-4918

Site: 1601 San Francisco
 Long Beach, CA

Attn: J.R. Morabito

Phone: 949/756-2667

Method:	(8015M/DHSLUFT)			
Matrix:	TPH as Diesel Range Organics			
Units:	Soil mg/kg			
Lab ID:	30498	30499	30500	
Sample No:	DT-W.1	DD-2	UD-2	
Date Sampled:	01/27/99	01/27/99	01/27/99	
Date Extracted:	01/28/99	01/28/99	01/28/99	
Date Analyzed:	01/28/99	01/28/99	01/28/99	Detection Limit
TPH DRO (C13-C22)	ND	ND	ND	10

Quality Control Report

Lab ID:	30498	30499	30500
Surrogate %REC.			
Chlorobenzene	91	82	105
Spike %REC.			
TPH as Diesel	95	95	< 1
		Spike DUP. %REC.	AVG. RPD

ND - Not Detected at The Detection Limit

3225 San Fernando Road, Los Angeles, California 90065 • (323) 254-7700, Fax: (323) 254-7799



AMERICAN SCIENTIFIC LABORATORIES, LLC

Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4508
 Project ID: 030603625.001.001
 Project Name: LBC Tank Removal

Page: 3

Report To: (MCLH)
 McLaren Hart
 16755 Von Karman Ave.
 Suite 200
 Irvine, CA 92606-4918
 Attn: J.R. Morabito
 Site: 1501 San Francisco
 Long Beach, CA
 Phone: 949/756-2667

Method:	[8015MOD/8020]			
Matrix:	TPH as Gasoline/BETX & MTBE			
Units:	Soil ug/kg			
Lab ID:	30498	30499	30500	
Sample No:	DT-W.1	DD-2	UD-2	
Date Sampled:	01/27/99	01/27/99	01/27/99	
Date Extracted:	01/28/99	01/28/99	01/28/99	
Date Analyzed:	01/28/99	01/28/99	01/28/99	Detection Limit
Benzene	ND	ND	ND	5
Ethylbenzene	ND	ND	ND	5
Toluene	ND	ND	ND	5
Xylenes (Total)	ND	ND	ND	10
MTBE	32	ND	ND	20
TPH as Gasoline	ND	ND	ND	1.0 (mg/Kg)

Quality Control Report

Lab ID:	30498	30499	30500
Surrogate & REC.			
Bromofluorobenzene	112	117	117
	Spike & REC.	Spike DUP. & REC.	AVG. RPD
Benzene	100	95	5.1
Toluene	99	94	5.2

ND - Not Detected at The Detection Limit

ESTHER ST.

SITE MAP

N ↑

Dispenser Island

Gas (UD-1) & (UD-2)

Diesel (DD-1) & (DD-2)

(Gas product line not long enough to require sampling)

UT-W (X) UT-E (X)

(X) DT-E (X)

(X) DP-1 (Diesel product line)

DT-W &
DT-W.1

10,000 Gal. Diesel

Mfr. by National Tank 11/5/59

UL # D075886

*Tanks appear intact.

Spoils pile sampled: SP-1
(Odor) SP-2

← 10' — □

1,000 Gal. Joor

Installed 7/19/88

UL # 27606

(Tank never used. Removed for re-cert/re-use)

* No soil samples taken

PROPERTY LINE

682'

205'

135'



AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

Fax Cover Sheet

To: J. R. Morbito

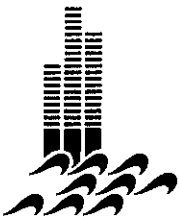
Company: Melara Hart Fax #: 949/752-8460

From: Loly

Date: 1-27-99 Time: 4:28 p.m.

Number of Pages(Including Cover): 4

Notes: please, check the report and call us with any
additional request as soon as possible.



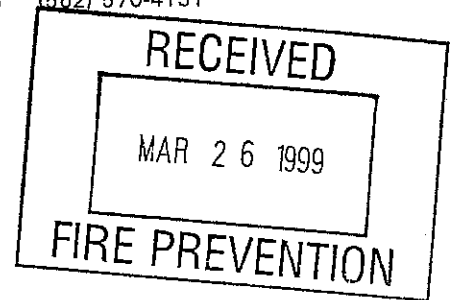
**JOINT POWERS AGENCY
LONG BEACH/SIGNAL HILL**



Unified Program Agency

2525 Grand Avenue • Long Beach, California 90815 • (562) 570-4131

March 25, 1999



Mr. David McCarthy
Public Service Yard
1725 San Francisco Avenue
Long Beach, California 90813

Re: 1725 San Francisco Avenue, Long Beach

Dear Mr. McCarthy:

This letter confirms the completion of the removal of two (2) 10,000 gallon, one (1) 1,000 gallon and one (1) 500 gallon underground storage tank(s) formerly located at the above described location.

Based on the information in the above referenced file and with the provision that the information provided to this agency was accurate and representative of site conditions, no further action related to the underground storage tank removal is required.

This notice is issued pursuant to a regulation contained in Section 2721(e) of Title 23 of the California Code of Regulations.

Please contact me at 562/570-4128 if you have any questions regarding this matter.

Sincerely,

Jeff Benedict, R.E.H.S., M.P.A.
Hazardous Waste Operations Officer

cc: Long Beach Fire Prevention Bureau
McLaren Hart, Inc.

sat let

REPORT

Tank Closure Report

City of Long Beach Public Service Yard

1725 San Francisco Avenue
Long Beach, California

*No further action for this
address.
Letter issued 03-25-99*

May 17, 1999

Tank Closure Report

McLaren/Hart Job Number 03.0603625.001.001
Closure Permit No. F0268704

City of Long Beach Public Service Yard 1725 San Francisco Avenue Long Beach, California

May 17, 1999

Prepared for: **City of Long Beach Department of Health and Human
Services
Bureau of Environmental Health
Hazardous Materials Division
2525 Grand Ave.
Long Beach, California 90815**

**Long Beach Fire Department
Bureau of Fire Prevention
925 Harbor Plaza, Suite 100
Long Beach, California 90802**

Prepared by: **McLaren/Hart, Inc.
16755 Von Karman Avenue
Irvine, California 92606-4918**


J. R. Morabito, P.E.
Principal Engineer

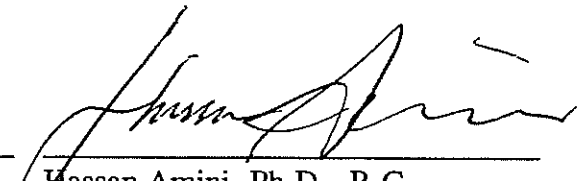

Hassan Amini, Ph.D., R.G.
Vice President
Principal Hydrogeologist

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2.1 Pre-Excavation Procedures	2
2.2 Tank Excavation, Cleaning, and Removal	3
2.2.1 Site Lithology	4
2.3 Soil Sampling and Analysis.....	5
2.4 Additional Excavation and Sampling.....	6
2.5 Transportation and Disposal of Contaminated Soil.....	7
2.6 Backfill, Compaction, and Paving.....	7
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TABLES

Table 1	City of Long Beach; Public Service Yard Tank Removal: Summary of Soil Sample Analysis Results
---------	---

FIGURES

Figure 1	Site Location Plan
Figure 2	Site Plot Plan
Figure 3	Excavation Cross-Section
Figure 4	Soil Boring Log

APPENDICES

- Appendix A Closure Permit
- Appendix B Rinsate Uniform Hazardous Waste Manifest
- Appendix C Marine Chemist Certificate
- Appendix D Tank Destruction Certificate
- Appendix E Laboratory Data Sheets and Chain-of-Custody Documentation
- Appendix F Soil Non-Hazardous Waste Manifests and Weighmaster Certificates
- Appendix G Report of Compaction Testing
- Appendix H No Further Action Letter

1.0 INTRODUCTION

McLaren/Hart has prepared this *Tank Closure Report* to document the removal of three underground storage tanks (USTs) from the City of Long Beach Public Service Yard, 1725 San Francisco Avenue, Long Beach, California. The location of the subject property is shown on Figure 1. This report has been prepared in accordance with the requirements of the City of Long Beach Fire Department (LBFD), Bureau of Fire Prevention, Closure Permit No. F0268704.

The tank closure consisted of the permitted removal of three USTs from two separate locations on the subject property. The first location (Area A) is situated approximately 135 feet south of Esther Street and 205 feet east of the western property line. The second location (Area B) is situated approximately 682 feet south of Esther Street and 10 feet east of the western property line. Two 10,000-gallon single-walled steel USTs were removed from Area A and one 1,000-gallon double-walled fiberglass-coated steel UST was removed from Area B. The former locations of the USTs are indicated on Figure 2.

The two 10,000 gallon USTs removed from Area A formerly contained unleaded and diesel fuel. The 10,000 gallon UST that contained diesel fuel was manufactured on November 5, 1959 (UL No. D875886) and the other 10,000 gallon UST (UL No. F185708) contained unleaded fuel and was manufactured in 1966. The 1,000 gallon UST (UL No. 27606) and associated leak detection system was located in Area B and was installed on July 19, 1988. According to the City of Long Beach records it was never used.

2.0 TANK REMOVAL ACTIVITIES

Tank closure activities were conducted in compliance with Tank Closure Permit No. F0268704 issued by the LBFD. The tank closure permit is included in Appendix A. Prior to any excavation activities, Underground Service Alert was notified to identify public utilities in the excavation areas. The South Coast Air Quality Management District (SCAQMD) was notified prior to initiating tank removal activities in accordance with the Foss Environmental and Infrastructure Rule 1166-Contaminated Soil Mitigation Plan.

McLaren/Hart initiated UST removal activities on January 19, 1999. The tasks associated with tank removal activities discussed in this section are listed below.

- ▶ Pre-Excavation Procedures
- ▶ Tank Excavation, Cleaning, and Removal
- ▶ Soil Sampling and Analysis
- ▶ Backfill and Compaction

2.1 PRE-EXCAVATION PROCEDURES

McLaren/Hart conducted a utility survey in Areas A and B to assess the presence or absence of underground utilities. The survey was conducted prior to initiating any excavation activity.

McLaren/Hart prepared a site-specific Health and Safety Plan (HASP), which detailed the proposed tank removal activities. This HASP incorporated the requirements specified by the Occupational Safety and Health Administration (OSHA) Hazardous Waste Operations Standard in the Code of Federal Regulations, Title 29, Section 1910.120 (29 CFR 1910.120). Safety meetings were held at the beginning of each workday, when new personnel were introduced to the site, and when changes in site conditions warranted such meetings. Potential workplace hazards and problems were identified and control measures were implemented as needed.

Field activities were conducted according to the procedures outlined in the HASP. Subcontractors were required to operate in accordance with the HASP.

2.2 TANK EXCAVATION, CLEANING, AND REMOVAL

The UST removals were initiated on January 19, 1999. Prior to excavating in Area A, the 10,000 gallon unleaded UST was degassed and both the unleaded and diesel USTs were rendered inert using a total of 250 pounds of dry ice (125 pounds per tank). Overburden soil was then removed and stockpiled adjacent to the excavation. During tank removal activities, the workplace was periodically monitored for organic vapors using a photo ionization detector (PID) and continuously monitored for explosion hazards using a lower explosion limit/oxygen (LEL/O₂) meter.

Visual observation of the overburden soil and fill material removed from the excavation in Area-A indicated that it was stained. The soil and fill material also had a petroleum hydrocarbon odor. An organic vapor monitor (OVM) was used to measure the concentration of volatile organic compounds (VOCs) emanating from the soil and fill material. VOCs were detected at concentrations ranging from 1 to 17 parts per million (ppm). The overburden soil and fill material was placed on and covered with visqueen.

Following the soil removal, the top of each tank was opened using a pneumatic rivet-buster. Visual observation of the interior of the USTs indicated that diesel and unleaded gasoline tank each contained approximately three inches of sludge and fuel. Following removal of the residual fuel and sludge, the tanks and associated piping in Area-A were rinsed with a high-pressure washer. A total of 1,500 gallons of fuel, sludge, and rinsate were pumped from the tanks in Area-A utilizing a vacuum truck and transported under Hazardous Waste Manifest to Crosby & Overton, a permitted treatment facility located in Long Beach, California on January 20, 1999. The Uniform Hazardous Waste Manifest for the waste liquid is presented in Appendix B.

In Area B, the Fire Inspector did not require the 1,000-gallon UST to be degassed. Visual observation of the overburden and fill material surrounding the UST in Area B indicated that the material was not stained and no hydrocarbon odors were observed. The overburden material and fill (pea gravel) were stockpiled adjacent to the tank excavation for reuse during backfill operations. The tank in Area-B was not pressure washed.

2.2.1 Site Lithology

N:\L\LONGBEAC\0603625.001\REPORTS\clouserpt.doc

2.3 SOIL SAMPLING AND ANALYSIS

Per the requirements of the approved LBFD closure permit confirmation soil samples were collected from the excavation area. A total of nine confirmation soil samples were collected from Area-A on January 21, 1999 under the direction of Long Beach Fire Inspector Wayne Swenson. (Since the UST in Area-B was never used, Inspector Swenson did not require samples from Area-B.) Soil samples were collected from two feet below the east and west ends of each UST (UT-E, UT-W, DT-E, DT-W), two feet below the product line (DP-1), two feet below each dispenser (DD-1, UD-1) and two from the soil stockpile (SP-1, SP-2). The soil sample locations are presented on Figure 2.

Because the bottom of the excavation was approximately 12 feet below the ground surface, the samples were collected from the excavator bucket utilizing a drive sampler containing a brass sleeve. Each end of the brass sleeve was then covered with a Teflon sheet, capped, and placed in a thermally insulated cooler with ice. Sampling equipment was decontaminated between sample events by washing with Liquinox soap and rinsing with distilled water.

Samples were transported under appropriate chain-of-custody procedures to American Scientific Laboratories (ASL) in Los Angeles, California. The soil samples were analyzed for total petroleum hydrocarbons as gas and diesel (TPH_g and TPH_d) using DHS/LUFT Method 8015 Modified; and benzene, toluene, ethylbenzene, and xylenes (BTEX), and methyl-*tertiary* butyl ether (MtBE) using EPA Method 8020. A summary of soil analytical laboratory results for all six soil samples are presented in Table 1.

The analytical results indicated that TPH_g was detected at a concentration greater than the reporting limit in five of the nine samples (DT-W, DD-1, UD-1, SP-1, and SP-2 at concentrations of 43 mg/kg, 15 mg/kg, 12 mg/kg, 3.2 mg/kg, and 300 mg/kg, respectively). TPH_d was detected above the reporting limits in two of the nine samples (DD-1 and SP-2 at concentrations of 11,400 mg/kg, and 9,310 mg/kg, respectively). Benzene was detected above the reporting limit in three of the nine samples (DT-W, DD-1, and UD-1 at concentrations of 18 µg/kg, 62 µg/kg, and 61 µg/kg, respectively). Toluene was detected above the reporting limit in four of the nine samples (DT-W, DD-1, UD-1, and SP-2 at concentrations of 55 µg/kg, 50 µg/kg, 784 µg/kg, and 732 µg/kg, respectively). Ethylbenzene was detected above the reporting limit in six of the nine samples (DT-E, DT-W, DD-1, UD-1, SP-1, and SP-2 at concentrations of 90 µg/kg, 450 µg/kg, 50 µg/kg, 186 µg/kg, 9 µg/kg, and 311 µg/kg,

respectively). Xylene was detected above the reporting limit in six of the nine samples (DT-E, DT-W, DD-1, UD-1, SP-1, and SP-2 at concentrations of 70 µg/kg, 524 µg/kg, 280 µg/kg, 1,660 µg/kg, 38 µg/kg, and 9,300 µg/kg, respectively). M/BE was detected above the reporting limit in six of the nine samples (UT-W, DT-E, DT-W, UD-1, SP-1, and SP-2 at concentrations of 115 µg/kg, 40 µg/kg, 195 µg/kg, 16,100 µg/kg, 80 µg/kg, and 3,820 µg/kg, respectively). Analytical data sheets and chain-of-custody records for the samples are included as Appendix E.

2.4 ADDITIONAL EXCAVATION AND SAMPLING

Based on the initial soil sample analytical results, McLaren/Hart excavated additional soil in the vicinity of samples DT-W, DD-1, and UD-1 on January 27, 1999. Approximately 31 cubic yards of impacted soil were removed from the west end of the diesel tank excavation (the area surrounding sample DT-W) to a depth of 18 feet below ground surface (bgs). Approximately 21 cubic yards of impacted soil was removed from beneath the former dispenser island (the area surrounding samples DD-1 and UD-1) to a depth of 6 feet bgs.

Three confirmation soil samples, DT-W.1, DD-2, and UD-2 were collected from these additional excavations on January 27, 1999. Sample DT-W.1 originated from near the west end of the diesel tank excavation at a depth of 18 feet bgs. Sample DD-2 was collected from beneath the former location of the diesel dispenser at a depth of 6 feet bgs, and UD-2 was collected from beneath the former location of the unleaded dispenser at a depth of 6 feet bgs. Sample locations are presented on Figure 2.

Soil sample DT-W.1 was collected from the bucket of the excavator using a drive sampler containing a brass sleeve. Soil samples DD-2 and UD-2 were collected utilizing a drive sampler containing a brass sleeve directly from the bottom of the excavation. Each end of the brass sleeve was then covered with a Teflon sheet, capped, and placed in a thermally insulated cooler with ice. Sampling equipment was decontaminated between sample events by washing with Liquinox soap and rinsing with distilled water.

The samples were transported under appropriate chain-of-custody procedures to ASL in Los Angeles, California on January 27, 1999. The soil samples were analyzed for TPH_g and TPH_d using EPA Method 8015 Modified and for BTEX and M/BE using EPA Method 8020. Analytical laboratory results for the three soil samples are presented in Table 1. The analytical

results indicated that TPH_g, TPH_d, BTEX, and M_tBE were not detected above laboratory detection limits with the exception of DT-W.1, which had an M_tBE concentration of 32 µg/kg per EPA Method 8020. Analytical data sheets and chain-of-custody records for the samples are included as Appendix E.

2.5 TRANSPORTATION AND DISPOSAL OF CONTAMINATED SOIL

All of the soil removed from the Area-A tank excavation was transported off site for thermal treatment and recycling. Approximately 312 tons of petroleum contaminated soil was transported under Non-Hazardous Waste Manifest to Thermal Remediation Solution (TRS) located in Azusa, California on February 2, 1999. Copies of manifests and Weighmaster Certificates from TRS are included as Appendix F.

2.6 BACKFILL, COMPACTION, AND PAVING

Fill soil generated during the installation of two new USTs at the southern end of the facility was used to backfill the void remaining from removal of the USTs in Area-A. The excavation in Area-B was backfilled using the pea-gravel removed during the UST excavation, with inport pea-gravel and base material used to make up for the tank void.

The excavation bottom in Area-A was prepared prior to backfill by rolling loose material with a sheep's foot mounted on an excavator. Following the initial compaction, Smith-Emery GeoServices, Inc. (Smith-Emery) inspected the excavation subgrade. Fill material was placed in the excavation in horizontal lifts approximately 12-inches thick and compacted to a minimum of 90 percent relative compaction using the sheep's foot. Smith-Emery continuously inspected and documented backfilling procedures.

The top 6-inches of the excavations in Area-A and Area B were backfilled using base material compacted to 95percent relative compaction. The compaction testing was performed by Smith-Emery and the Report of Compaction Testing is included in Appendix G. The excavations in Area-A and Area B were paved with 4-inches of asphalt on February 11, 1999.

3.0 CONCLUSIONS AND RECOMMENDATIONS

Visual observations made during removal of the tanks from Area A indicated that the USTs were intact with no sign of holes. Discolored or odorous soil removed during the UST excavation in Area A was transported off site for treatment. A total of nine confirmation soil samples were collected from Area-A on January 21, 1999 under the direction of LBFD. Based on the analytical results, some soil samples collected from Area A contained concentrations of TPH_d, benzene, and MtBE that exceeded the maximum soil screening levels for gravel within 20 feet of groundwater (May 1996, California Regional Water Quality Control Board's *Interim Site Assessment and Cleanup Guidebook*).

Subsequently, additional soil in the vicinity of samples DT-W, DD-1, and UD-1 was removed from the excavation in Area A on January 27, 1999. Three confirmation soil samples, DT-W.1, DD-2, and UD-2 were collected from these additional excavations on January 27, 1999. Final sampling results indicated that TPH_g, TPH_d, and BTEX were not present at concentrations exceeding the method detection limits. MtBE was detected in the soil beneath the tanks in samples DT-E, DT-W.1, and UT-W at concentrations of 40 µg/kg, 32 µg/kg, and 195 µg/kg, respectively.

Based on visual observations and the soil sample analytical results, submitted to the City of Long Beach Department of Human and Health Services on January 26, 1999 and February 1, 1999, a letter recommending no further action related to the UST removal was issued on March 25, 1999. A copy of this letter is included in Appendix H.

TABLES



Tables

Table 1

City of Long Beach;
Public Service Yard Tank Removal: Summary of Soil Analytical Results

		Contituent Concentration By EPA Methods 8015M & 8020						
Sample	Sample Depth (ft bgs)	TPHg (mg/Kg)	TPHd (mg/Kg)	Benzene (ug/Kg)	Toluene (ug/Kg)	Ethyl Benzene (ug/Kg)	Xylene (ug/Kg)	MTBE (ug/Kg)
UT-E	14	<1	<10	<5	<5	<5	<10	<20
UT-W	15	<1	<10	<5	<5	<5	<10	115
DT-E	14	<1	<10	<5	<5	90	70	40
DT-W	15	43	<10	18	55	450	524	195
DP-1	4	<1	<10	<5	<5	<5	<10	<20
DD-1	2	15	11400	62	50	50	280	<200
UD-1	2	12	<10	61	784	186	1660	16100
SP-1	NA*	3.2	<10	<5	<5	9	38	80
SP-2	NA	300	9310	<500	732	311	9300	3820
DT-W.1	18	<1	<10	<5	<5	<5	<10	32
DD-2	6	<1	<10	<5	<5	<5	<10	<20
UD-2	6	<1	<10	<5	<5	<5	<10	<20

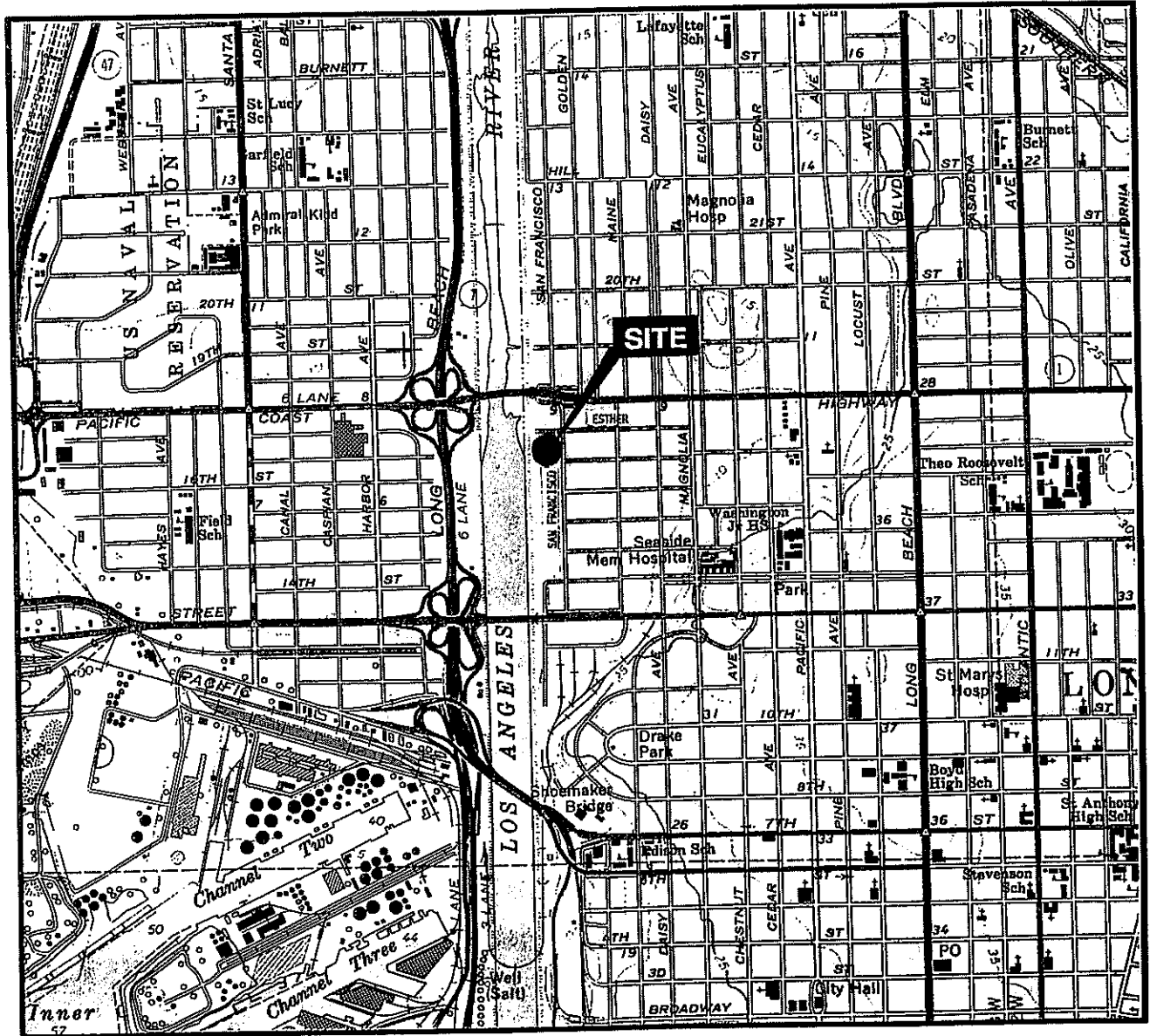
* Not Applicable

FIGURES



Figures

FIGURE 1
 SITE LOCATION PLAN
 CITY OF LONG BEACH SERVICE YARD
 1725 SAN FRANCISCO AVENUE
 LONG BEACH, CALIFORNIA



SOURCE: FROM THE USGS MAP, LONG BEACH QUADRANGLE, CALIFORNIA
 7.5 MINUTES SERIES (TOPOGRAPHIC) 1954 - PHOTOREVISED 1981.

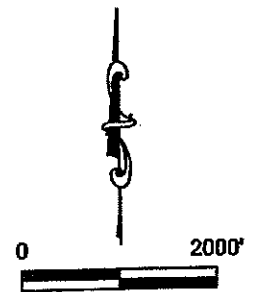
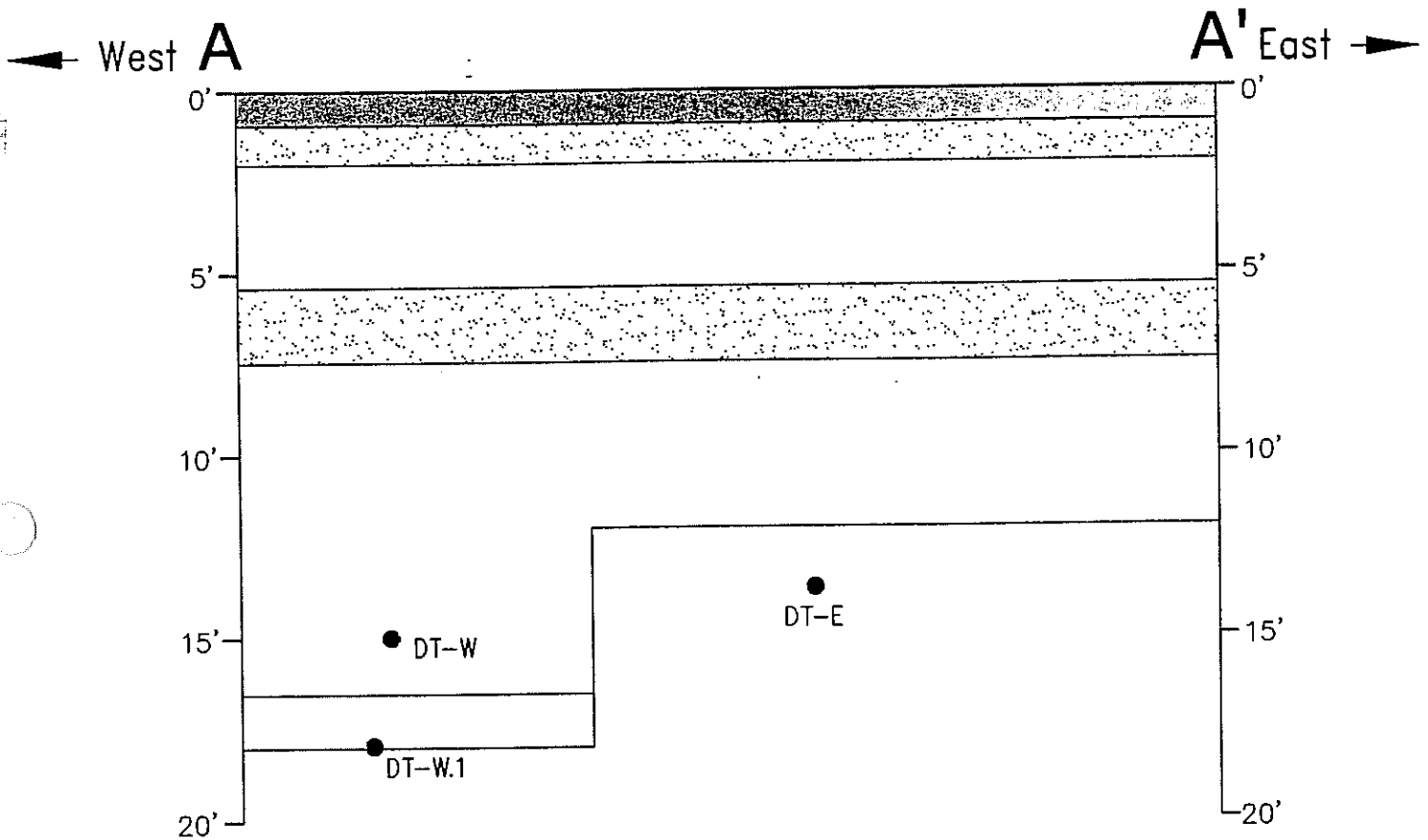


FIGURE 3
CROSS-SECTION A-A'
CITY OF LONG BEACH SERVICE YARD
1725 SAN FRANCISCO AVENUE
LONG BEACH, CALIFORNIA



LEGEND

- SOIL SAMPLE LOCATION
- CONCRETE, ASPHALT, CRUSHED BASE MATERIAL
- FINE SAND
- CLAY
- SILT
- SILTY SAND

Note: Cross-section Represents Native Materials Observed on Sidewalls of Excavation

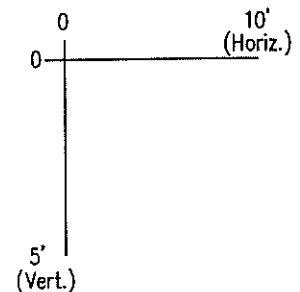


FIGURE 4

SB/MW#: N/A#D- 2492Page 1 of 1Sampler: A. Hillman**SOIL DRILLING LOG**

PROJECT <u>City of Long Beach</u>	LOCATION <u>1601 San Francisco, Long Beach Public Service Yard</u>
ELEVATION _____	MONITORING DEVICE <u>N/A</u>
SAMPLING DATE(S) <u>1/28/99</u>	START <u>8:00 AM</u> FINISH _____
SAMPLING METHOD <u>Excavation/Grab</u>	SUBCONTRACTOR & EQUIPMENT _____ FOSS
MEMO _____	

Depth Below Surface (ft.)	Penetration Results		Sampler Depth Interval (ft.)	Sample ID #	OVM Reading (ppm)	Soil Description Color, Texture, Moisture, Etc.	Unified Class.	Graphic Log	Sample Depth	Borehole Abandonment/ Well Construction Details		
	Blows 6"-6"-6"	BPF										
0.0						Concrete, (0-6").	AC					
1.0						Crushed base material, (6"-1').	SP					
2.0						Fine sand: (0,98,2,0); greenish gray (10G 5/1); 60% fine, 40% very fine sand; poorly graded; subangular; damp.	CL					
5.0						Silty clay: (0,0,45,55); dark greenish gray (10Y 3/1); plastic, damp.	SP					
5.5						Fine sand: (0,98,2,0); greenish gray (10G 5/1); 60% fine, 40% very fine sand; poorly graded; subangular; damp; slight hydrocarbon odor.	ML					
7.5						Clayey silt: (0,5,65,30); dark greenish gray (10Y 3/1); non-plastic; fine sand only; damp.						
10.0												
15.0												
17.0						Silty sand: (0,85,15,0); dark olive gray (5Y 3/2); 80% fine, 20% very fine sand; poorly graded; subangular; moist.	SM					
18.0												
20.0												

T.D. = 18'

Appendix A

Closure Permit

CITY OF LONG BEACH

INSPECTION REQUEST LINE (562) 570-2560

BUREAU OF FIRE PREVENTION
925 HARBOR PLAZA SUITE 100
(562) 570-2560

LICENSED CONTRACTORS DECLARATION				WORKER'S COMPENSATION DECLARATION			
I hereby affirm that I am licensed under provisions of Chapter 9 (Commencing with Section 7000) of Division 3 of the Business and Professional Code, and my license is in full force and effect. License Class _____ License No. _____ City _____ Contractor _____				I hereby affirm that I have a certificate of consent to self-insure or a certificate of worker's compensation insurance or a certified copy thereof. Policy No. _____ Company _____ * Certified copy is hereby furnished. * Certified copy is filed with the Department of Planning and Building.			
OWNER-BUILDER DECLARATION I hereby affirm that I am exempt from the Contractors License Law for the following reason (Sec. 7031 California Business and Professional Code: Any City which requires a permit to construct, alter, improve, demolish or repair any structure prior to its issuance also requires the applicant for such permit to file a signed statement that he is a licensed contractor pursuant to the provisions of the Contractors License Law (Ch. 9 (Commencing with Sec 7000 of Div. 3 of the B. & P. C.)) or that he is exempt therefrom and the basis for the alleged exemption. Any violation of Sec 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars (\$500.00.): * I as owner of the property, or my employees with wages as their sole compensation, will do the work and the structure is not intended or offered for sale (Sec 7044, B. & P. C. : The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvements is sold within one year of completion, the owner-builder will have burden of proving that he did not build or improve for the purpose of sale.). * I as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, B. & P.C.: The Contractors License Law does not apply to an owner of contracts for such projects with a Contractor(s) License pursuant to the Contractors License Law.). * I am exempt under Sec. _____, B. & P.C. for this reason _____ Date _____ Owner _____				CERTIFICATE OF EXEMPTION FROM WORKER'S COMPENSATION INSURANCE I certify that in the performance of the work for which this permit is issued I shall not employ any person in any manner so as to become subject to the Worker's Compensation Laws of California. Date _____ Applicant _____ NOTICE TO APPLICANT : If, after making this Certificate of Exemption, you should become subject to work's Comp. provisions of the Labor Code. You must forthwith comply with such provisions or this permit shall be deemed revoked. CONSTRUCTION LENDING AGENCY I hereby state that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3907, Civ. C.). Lender's Name _____ Lender's Address _____ I certify that I have read this application and state that the above information is correct. I agree to comply with all City and State laws relating to the building construction, and hereby authorize representatives of this city to enter upon the above mentioned property for inspection purposes.			
Application is hereby made to the Fire Marshal, Bureau of Fire Prevention for a permit subject to the conditions and restrictions set forth on the front faces of this application 1 Each person upon whose behalf this application is made and each person at whose benefit work is performed under or pursuant to any permit issued as a result of this application agrees to and shall indemnify and hold harmless the City of Long Beach its officers, agents and employees from any liability arising out of the issuance of any permit from this application. 2 Any permit issued as a result of this application becomes null and void if work is not commenced within ONE HUNDRED EIGHTY (180) DAYS from date of issuance of such permit.				Fire Prevention Plans Received By _____ Date _____			
JOB ADDRESS 1601 SAN FRANCISCO AVE		RECEIPT NO. 0232124		DATE 01/06/99		PROJECT NO. F0268704	
JOB DESCRIPTION JUST - REMOVE (3) UNDERGROUND TANKS @PUBLIC SERVICE MAINT YARD/COLB		OCCUPANCY PUBLIC, CITY BEACH		PLANNING AREA 12		ASSESSOR NO. 7271012901	
OWNER PUBLIC, CITY BEACH		ADDRESS 1601 SAN FRANCISCO AVE		FSB S		RSB CENSUS TR.	
CITY LONG BEACH CA 90813		APPLICANT ENVIRONMENTAL, FOSS		TRANSACTIONS UNDRGRND TANK Per \$400.00		5754.00	
CONTRACTOR ADDRESS		CITY STATE ZIP CODE PHONE		STATE LICENSE NO.		CITY LICENSE NO.	
ARCHITECT/ENGINEER ADDRESS		CITY STATE ZIP CODE PHONE		LICENSE NO.		VALUATION	
LEGAL DESCRIPTION		PRESENT BLDG USE		PROPOSED BLDG USE		BLDG HEIGHT	
PAID BY CHECK		FEES \$400.00		TYPE OF CONST		TYPE OF CONST	

Paid By: ENVIRONMENTAL, FOSS

Check # 4917

UNDERGROUND TANKS		TOTAL FEE	400.00
MISCELLANEOUS REMOVE/3 1	400.00	Misc Fee	400.00



A

B



Appendix B

Rinsate Uniform

Hazardous Waste Manifest

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-99)
Please print or type. Form designed for use on a 12-pitch typewriter.

See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. 01AD9014506874		Manifest Document No. 2906		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.			
3. Generator's Name and Mailing Address CITY OF LONG BEACH 1601 SAN FRANCISCO STREET LONG BEACH, CA 90803				4. Generator's Phone ()							
5. Transporter 1 Company Name OCEAN BLUE ENVIRONMENTAL				6. US EPA ID Number 01AD908360825		7. Transporter 1 Phone ()					
7. Transporter 2 Company Name				8. US EPA ID Number		9. Transporter 2 Phone ()					
9. Designated Facility Name and Site Address CRESBY & OVERTON 1630 W. 7TH STREET LONG BEACH, CA 90813				10. US EPA ID Number 01AD028409019		11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)					
a. NON RCRA HAZARDOUS WASTE LIQUID				12. Containers No. 001 Type TIT		13. Total Quantity EST. VOL. 01151010		14. Unit Wt/Vol G			
b.				12. Containers No.		13. Total Quantity		14. Unit Wt/Vol			
c.				12. Containers No.		13. Total Quantity		14. Unit Wt/Vol			
d.				12. Containers No.		13. Total Quantity		14. Unit Wt/Vol			
15. Special Handling Instructions and Additional Information USE APPROPRIATE P.P.E. 24 HOUR EMERGENCY CONTACT: FOSS ENVIRONMENTAL 562-590-6700				16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name TOM MARTIN				Signature TOM MARTIN		Month 01		Day 20		Year 1999	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name FRANK M. AGEYTA				Signature Frank M. Ageyta		Month 01		Day 12		Year 1999	
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name				Signature		Month		Day		Year	
19. Discrepancy Indication Space NOT LOAD FLASHED AT 66°F. SHOULD HAVE BEEN FLAMMABLE LIQUIDS, 3, UN 1993 IF											
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19. Printed/Typed Name HARRIS				Signature HARRIS		Month 01		Day 13		Year 1999	

DO NOT WRITE BELOW THIS LINE.

C



Appendix C

Marine Chemist Certificate

FOSS ENV. Requested By
Vessel UNDERGROUND TANK
Last Cargo GASOLINE, DIESEL
City of L.B. Vessel Owner or Agent
Type of Vessel STORAGE 1601, SAN FRANCISCO
Tests Performed LEL, O₂, V/S
Date 1-21-99
Specific Location of Vessel L.B.
Time Survey Completed 0820

TWO STEEL TANKS
9622-1
9622-2
TESTED: 0% LEL
SAFE FOR HOT WORK
NOT SAFE FOR WORKERS
IN TANK

10" ± DOUBLE-WALL
TANK
9622-3
TESTED: 0% LEL
SAFE FOR COLD WORK
AND TRANSPORTATION

In the event of any physical or atmospheric adversely affecting the STANDARD SAFETY DESIGNATIONS assigned to any of the above spaces, or if any doubt, immediately stop all work and contact the undersigned Marine Chemist.

QUALIFICATIONS: Transfer of ballast or manipulation of valves or closure equipment tending to alter conditions in pipe lines, tanks or compartments subject to gas accumulation, unless specifically approved in this Certificate, requires inspection and endorsement or reissue of Certificate for the spaces so affected. All lines, vents, heating coils, valves, and similarly enclosed appurtenances shall be considered "not safe" unless otherwise specifically designated.

STANDARD SAFETY DESIGNATIONS (partial list, paraphrased from NFPA 306 Subsections 2-3.1 through 2-3.5, and Subsection 6-3.2)

SAFE FOR WORKERS: Means that in the compartment of space so designated: (a) the oxygen content of the atmosphere is at least 19.5 percent by volume; and that, (b) toxic materials in the atmosphere are within permissible concentrations; and that, (c) the residues are not capable of producing toxic materials under existing atmospheric conditions while maintained as directed on the Marine Chemist's Certificate.

NOT SAFE FOR WORKERS: Means that in the compartment of space so designated, the requirements of Safe for Workers have not been met.

ENTER WITH RESTRICTIONS: Means that in any compartment or space so designated, entry for work may be made only if conditions of proper protective equipment, clothing, and time are specified.

SAFE FOR HOT WORK: Means that in any compartment designated: (a) oxygen content of the atmosphere is at least 19.5 percent by volume, with the exception of inerted spaces or where external hot work is to be performed; and that, (b) the concentration of flammable materials in the atmosphere is below 10 percent of the lower flammable limit; and that, (c) the residues are not capable of producing a higher concentration than permitted by (b) above under existing atmospheric conditions in the presence of fire, and while maintained as directed on the Marine Chemist's Certificate; and further, that, (d) all adjacent spaces containing or having contained flammable or combustible materials have been cleaned sufficiently to prevent the spread of fire, or are satisfactorily inerted, or, in the case of fuel tanks or lube oil tanks, or engine room or fire room bilges, have been treated in accordance with the Marine Chemist's requirements.

NOT SAFE FOR HOT WORK: Means that in the compartment so designated, the requirements of Safe for Hot Work have not been met.

CHEMIST'S ENDORSEMENT. This is to certify that I have personally determined that all spaces in the foregoing list are in accordance with NFPA 306 Control of Gas Hazards on Vessels and have found the condition of each to be in accordance with its assigned designation.

I, undersigned, acknowledge receipt of this Certificate under Section 2-6 of NFPA 306 and understands conditions and limitations under which it was issued.

This Certificate is based on conditions existing at the time the inspection herein set forth was completed and is issued subject to compliance with all qualifications and instructions.

Signed BRIAN BOTT FOSS
Name Company

1/21/99
Date

Signed M.S. Graham
Marine Chemist Certificate No. 597

D



Appendix D

Tank Destruction Certificate

JOS. LEVIN & SONS

SCRAP IRON AND METALS
EST. 1892

RE: DISPOSAL AND SCRAPING OF TANKS

Received on January 21, 1999 two 10,000 gallon fuel tanks marked 9622-1 and 9622-2 from 1601 San Francisco St. City of Long Beach, accompanied with a certificate from Harbor Testing Laboratory, certifying safe for hot work by marine chemist (ID# 9622). These tanks were destroyed & prepared for remelting purposes only.



Ron Levin
President

E



Appendix E

Laboratory Data Sheets and Chain-of-Custody Documentation



AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

3225 San Fernando Road, LA, CA 90065 Tel: (323) 254-7700 • Fax: (323) 254-7799

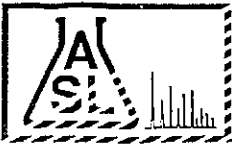
Page 1 Of 1

ASL JOB# 4478

Company: <u>McLAREN / HART</u>						Report To: <u>J.R. MORABITO</u>		ANALYSIS REQUESTED											
Address: <u>16755 Von Karman Ave</u>						Project Name: <u>LRC TANK REMOVAL</u>		Address: <u>SAME</u>		<u>8015 M DIESEL</u> <u>8015 M GAS</u> <u>BTEX & MTBE 8010</u>									
City: <u>IRVINE, CA</u>						Site Address: <u>1601 SAN FRANCISCO AVE</u>		Invoice To: <u>SAME</u>											
Telephone: <u>949 752 3202</u>								Address: <u>N/A</u>											
Fax: <u>949 756 8460</u>																			
Special Instruction: <u>FAX RESULTS UPON COMPLETION</u>						Project ID: <u>030603625.001.001</u>		P.O.#:											
Project Manager: <u>J.R. MORABITO</u>																			

I T E M	LAB USE ONLY	SAMPLE DESCRIPTION				Container(s)		Matrix	Preservation											Remarks	
	Lab ID	Sample ID	Date	Time	#	Type															
	30322	DD-1	1-21-99	09:20	1	BRASS	SOIL	4°C	X	X	X									2' bgs	
	30323	DT-E		10:00					X	X	X									RUN THESE SAMPLES FIRST	14' bgs
	30324	UT-E		10:10					X	X	X										14' bgs
	30325	UT-W		10:25					X	X	X										15' bgs
	30326	DT-W		10:35					X	X	X										15' bgs
	30327	UD-1		10:50					X	X	X									2' bgs	
	30328	DP-1		11:30					X	X	X									4' bgs	
	30329	SP-1		11:35					X	X	X									STOCKPILE WEST	
	30330	SP-2		11:40					X	X	X									STOCKPILE EAST	
																				24 HR.	

Collected By: <u>J. HANEY</u>	Date: <u>1/21/99</u> Time: <u>12:00</u>	Relinquished By: <u>[Signature]</u>	Date: <u>1/21</u> Time: <u>14:45</u>	TAT
Relinquished By: <u>[Signature]</u>	Date: <u>1/21/99</u> Time: <u>14:45</u>	Received For Laboratory: <u>[Signature]</u>	Date: <u>1/21</u> Time: <u>14:45</u>	☐ Normal
Condition of Sample:				☒ Rush



AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

McLaren Hart
16755 Von Karman Ave.
Suite 200
Irvine, CA 92606-4918

Number of Pages: 13
Date Received : 01/21/99
Date Reported : 01/22/99

Attn : J.R.Morabito
Phone: 949/756-2667

ASL Job Number: 4478

Project Name : LBC Tank Removal
Project Number : 030603625.001.001

Site: 1601 San Francisco Ave.

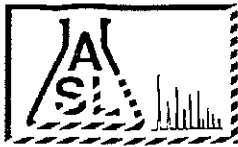
Enclosed are the results of analyses on 9 soil samples
analyzed as specified on attached chain of custody.

Checked By

Wenhu

Approved By

Robert G. Araghi
ROJERT G. ARAGHI
LABORATORY DIRECTOR



AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4478
Project ID: 030603625.001.001
Project Name: LBC Tank Removal

Page: 2

Report To: (MCLH)
McLaren Hart
16755 Von Karman Ave.
Suite 200
Irvine, CA 92606-4918

Site:
1601 San Francisco Ave.

Attn: J.R.Morabito

Phone: 949/756-2667

Method:	(8015M/DHSLUFT)				
Matrix:	TPH as Diesel Range Organics				
Units:	Soil mg/kg				
Lab ID:	30322	30323	30324	30325	
Sample No:	DD-1	DT-E	UT-E	UT-W	
Date Sampled:	01/21/99	01/21/99	01/21/99	01/21/99	
Date Extracted:	01/21/99	01/21/99	01/21/99	01/21/99	Detection
Date Analyzed:	01/21/99	01/21/99	01/21/99	01/21/99	Limit

TPH DRO (C13-C22)	11400	ND	ND	ND	10
-------------------	-------	----	----	----	----

Quality Control Report

Lab ID:	30322	30323	30324	30325
Surrogate %REC.				
Chlorobenzene	109	87	85	84
	Spike	Spike DUP.	AVG.	
	%REC.	%REC.	RPD	
TPH as Diesel	99	99	< 1	

ND - Not Detected at The Detection Limit



AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4478
Project ID: 030603625.001.001
Project Name: LBC Tank Removal

Page: 3

Report To: (MCLH)
McLaren Hart
16755 Von Karman Ave.
Suite 200
Irvine, CA 92606-4918

Site:
1601 San Francisco Ave.

Attn: J.R.Morabito Phone: 949/756-2667

Method: (8015M/DHSLUFT)
Matrix: TPH as Diesel Range Organics
Units: Soil
mg/kg

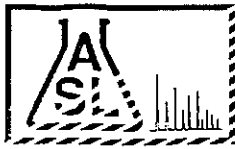
Lab ID:	30326	30327	30328	30329	
Sample No:	DT-W	UD-1	DP-1	SP-1	
Date Sampled:	01/21/99	01/21/99	01/21/99	01/21/99	
Date Extracted:	01/21/99	01/21/99	01/21/99	01/21/99	Detection
Date Analyzed:	01/21/99	01/21/99	01/21/99	01/21/99	Limit

TPH DRO (C13-C22)	ND	ND	ND	ND	10
-------------------	----	----	----	----	----

Quality Control Report

Lab ID:	30326	30327	30328	30329
Surrogate %REC.				
Chlorobenzene	85	95	82	96
	Spike	Spike DUP.	AVG.	
	%REC.	%REC.	RPD	
TPH as Diesel	99	99	< 1	

ND - Not Detected at The Detection Limit



AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4478
Project ID: 030603625.001.001
Project Name: LBC Tank Removal

Page: 4

Report To: (MCLH)
McLaren Hart
16755 Von Karman Ave.
Suite 200
Irvine, CA 92606-4918

Site: 1601 San Francisco Ave.

Attn: J.R. Morabito

Phone: 949/756-2667

Method:	(8015M/DHSLUFT)
Matrix:	TPH as Diesel Range Organics
Units:	Soil mg/kg.
Lab ID:	30330
Sample No:	SP-2
Date Sampled:	01/21/99
Date Extracted:	01/21/99
Date Analyzed:	01/21/99
	Detection Limit

TPH DRO (C13-C22)	9310	10
-------------------	------	----

Quality Control Report

Lab ID: 30330

Surrogate %REC.
Chlorobenzene 120

	Spike %REC.	Spike DUP. %REC.	AVG. RPD
TPH as Diesel	99	99	< 1

ND - Not Detected at The Detection Limit



AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4478
Project ID: 030603625.001.001
Project Name: LBC Tank Removal

Page: 5

Report To: (MCLH)
McLaren Hart
16755 Von Karman Ave.
Suite 200
Irvine, CA 92606-4918

Site: 1601 San Francisco Ave.

Attn: J.R. Morabito

Phone: 949/756-2667

Method: [8015MOD/8020]
TPH as Gasoline/BETX & MTBE
Matrix: Soil
Units: ug/kg
Lab ID: 30322
Sample No: DD-1
Date Sampled: 01/21/99
Date Extracted: 01/21/99
Date Analyzed: 01/22/99

Detection
Limit

Benzene	62	50
Ethylbenzene	50	50
Toluene	50	50
Xylenes (Total)	280	100
MTBE	ND	200
TPH as Gasoline	15	10 (mg/Kg)

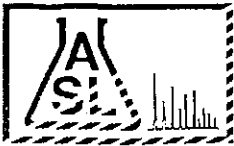
Quality Control Report

Lab ID: 30322

Surrogate %REC.
Bromofluorobenzene 119

	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Benzene	115	106	8.1
Toluene	114	103	10.1

ND - Not Detected at The Detection Limit



AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4478
Project ID: 030603625.001.001
Project Name: LBC Tank Removal

Page: 6

Report To: (MCLH)
McLaren Hart
16755 Von Karman Ave.
Suite 200
Irvine, CA 92606-4918

Site:
1601 San Francisco Ave.

Attn: J.R. Morabito

Phone: 949/756-2667

Method: [8015MOD/8020]
TPH as Gasoline/BETX & MTBE
Matrix: Soil
Units: ug/kg
Lab ID: 30323
Sample No: DT-E
Date Sampled: 01/21/99
Date Extracted: 01/22/99
Date Analyzed: 01/22/99

Detection
Limit

Benzene	ND	5
Ethylbenzene	90	5
Toluene	ND	5
Xylenes (Total)	70	10
MTBE	40	20
TPH as Gasoline	ND	1.0 (mg/Kg)

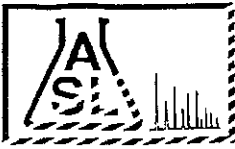
Quality Control Report

Lab ID: 30323

Surrogate %REC.
Bromofluorobenzene 114

	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Benzene	115	106	8.1
Toluene	114	103	10.1

ND - Not Detected at The Detection Limit



AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4478
Project ID: 030603625.001.001
Project Name: LBC Tank Removal

Page: 7

Report To: (MCLH)
McLaren Hart
16755 Von Karman Ave.
Suite 200
Irvine, CA 92606-4918

Site:
1601 San Francisco Ave.

Attn: J.R.Morabito

Phone: 949/756-2667

Method: [8015MOD/8020]
TPH as Gasoline/BETX & MTBE
Matrix: Soil
Units: ug/kg
Lab ID: 30324
Sample No: UT-E
Date Sampled: 01/21/99
Date Extracted: 01/21/99
Date Analyzed: 01/21/99

Detection
Limit

Benzene	ND	5
Ethylbenzene	ND	5
Toluene	ND	5
Xylenes (Total)	ND	10
MTBE	ND	20
TPH as Gasoline	ND	1.0 (mg/Kg)

Quality Control Report

Lab ID: 30324

Surrogate %REC.
Bromofluorobenzene 84

	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Benzene	105	104	< 1
Toluene	101	100	1

ND - Not Detected at The Detection Limit



AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4478
Project ID: 030603625.001.001
Project Name: LBC Tank Removal

Page: 8

Report To: (MCLH)
McLaren Hart
16755 Von Karman Ave.
Suite 200
Irvine, CA 92606-4918

Site:
1601 San Francisco Ave.

Attn: J.R.Morabito

Phone: 949/756-2667

Method: [8015MOD/8020]
TPH as Gasoline/BETX & MTBE
Matrix: Soil
Units: ug/kg
Lab ID: 30325
Sample No: UT-W
Date Sampled: 01/21/99
Date Extracted: 01/21/99
Date Analyzed: 01/21/99

Detection
Limit

Benzene	ND	5
Ethylbenzene	ND	5
Toluene	ND	5
Xylenes(Total)	ND	10
MTBE	115	20
TPH as Gasoline	ND	1.0 (mg/Kg)

Quality Control Report

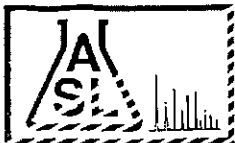
Lab ID: 30325

Surrogate %REC.
Bromofluorobenzene

114

	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Benzene	105	104	< 1
Toluene	101	100	1

ND - Not Detected at The Detection Limit



AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4478
Project ID: 030603625.001.001
Project Name: LBC Tank Removal

Page: 9

Report To: (MCLH)
McLaren Hart
16755 Von Karman Ave.
Suite 200
Irvine, CA 92606-4918

Site:
1601 San Francisco Ave.

Attn: J.R.Morabito

Phone: 949/756-2667

Method:	[8015MOD/8020]	
Matrix:	TPH as Gasoline/BETX & MTBE	
Units:	Soil	
	ug/kg	
Lab ID:	30326	
Sample No:	DT-W	
Date Sampled:	01/21/99	
Date Extracted:	01/22/99	Detection
Date Analyzed:	01/22/99	Limit

Benzene	18	5
Ethylbenzene	450	5
Toluene	55	5
Xylenes (Total)	524	10
MTBE	195	20
TPH as Gasoline	43	1.0 (mg/Kg)

Quality Control Report

Lab ID: 30326

Surrogate %REC.
Bromofluorobenzene

120

	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Benzene	115	106	8.1
Toluene	114	103	10.1

Comment to Sample(s)

30326: MTBE not included in TPH calculation.

ND - Not Detected at The Detection Limit



AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4478
Project ID: 030603625.001.001
Project Name: LBC Tank Removal

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Report To: (MCLH)
McLaren Hart
16755 Von Karman Ave.
Suite 200
Irvine, CA 92606-4918

Site:
1601 San Francisco Ave.

Attn: J.R.Morabito

Phone: 949/756-2667

Method: [8015MOD/8020]
TPH as Gasoline/BETX & MTBE
Matrix: Soil
Units: ug/kg
Lab ID: 30327
Sample No: UD-1
Date Sampled: 01/21/99
Date Extracted: 01/22/99
Date Analyzed: 01/22/99
Detection Limit

Benzene	61	5
Ethylbenzene	186	5
Toluene	784	5
Xylenes (Total)	1660	10
MTBE	16100	20
TPH as Gasoline	12	1.0 (mg/Kg)

Quality Control Report

Lab ID: 30327

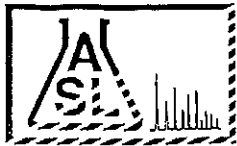
Surrogate %REC.
Bromofluorobenzene

119

	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Benzene	115	106	8.1
Toluene	114	103	10.1

Comment to Sample(s)
30327: MTBE not included in TPH calculation.

ND - Not Detected at The Detection Limit



AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4478
Project ID: 030603625.001.001
Project Name: LBC Tank Removal

Page: 11

Report To: (MCLH)
McLaren Hart
16755 Von Karman Ave.
Suite 200
Irvine, CA 92606-4918

Site: 1601 San Francisco Ave.

Attn: J.R.Morabito

Phone: 949/756-2667

Method: [8015MOD/8020]
TPH as Gasoline/BETX & MTBE
Matrix: Soil
Units: ug/kg
Lab ID: 30328
Sample No: DP-1
Date Sampled: 01/21/99
Date Extracted: 01/21/99
Date Analyzed: 01/21/99

Detection
Limit

Benzene	ND	5
Ethylbenzene	ND	5
Toluene	ND	5
Xylenes (Total)	ND	10
MTBE	ND	20
TPH as Gasoline	ND	1.0 (mg/Kg)

Quality Control Report

Lab ID: 30328

Surrogate %REC.
Bromofluorobenzene 114

	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Benzene	105	104	< 1
Toluene	101	100	1

ND - Not Detected at The Detection Limit



AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4478
Project ID: 030603625.001.001
Project Name: LBC Tank Removal

Page: 12

Report To: (MCLH)
McLaren Hart
16755 Von Karman Ave.
Suite 200
Irvine, CA 92606-4918

Site:
1601 San Francisco Ave.

Attn: J.R. Morabito

Phone: 949/756-2667

Method:	[8015MOD/8020]
Matrix:	TPH as Gasoline/BETX & MTBE
Units:	Soil
	ug/kg
Lab ID:	30329
Sample No:	SP-1
Date Sampled:	01/21/99
Date Extracted:	01/21/99
Date Analyzed:	01/21/99
	Detection Limit

Benzene	ND	5
Ethylbenzene	9	5
Toluene	ND	5
Xylenes (Total)	38	10
MTBE	80	20
TPH as Gasoline	3.2	1.0 (mg/Kg)

Quality Control Report

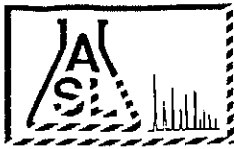
Lab ID: 30329

Surrogate %REC.
Bromofluorobenzene 120

	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Benzene	105	104	< 1
Toluene	101	100	1

Comment to Sample(s)
30329: MTBE not included in TPH calculation.

ND - Not Detected at The Detection Limit



AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4478
Project ID: 030603625.001.001
Project Name: LBC Tank Removal

Page: 13

Report To: (MCLH)
McLaren Hart
16755 Von Karman Ave.
Suite 200
Irvine, CA 92606-4918

Site:
1601 San Francisco Ave.

Attn: J.R.Morabito

Phone: 949/756-2667

Method: [8015MOD/8020]
TPH as Gasoline/BETX & MTBE
Matrix: Soil
Units: ug/kg
Lab ID: 30330
Sample No: SP-2
Date Sampled: 01/21/99
Date Extracted: 01/21/99
Date Analyzed: 01/22/99

Detection
Limit

Benzene	ND	500
Ethylbenzene	311	500
Toluene	732	500
Xylenes (Total)	9300	1000
MTBE	3820	2000
TPH as Gasoline	300	100 (mg/Kg)

Quality Control Report

Lab ID: 30330

Surrogate %REC.
Bromofluorobenzene

120

	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Benzene	115	16	8.1
Toluene	114	103	10.1

Comment to Sample(s)

30330: MTBE not included in TPH calculation.

ND - Not Detected at The Detection Limit

[illegible]



AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

McLaren Hart
16755 Von Karman Ave.
Suite 200
Irvine, CA 92606-4918

Number of Pages: 3
Date Received : 01/27/99
Date Reported : 01/28/99

Attn : J.R. Morabito
Phone: 949/756-2667

ASL Job Number: 4508

Project Name : LBC Tank Removal
Project Number : 030603625.001.001

Site: 1601 San Francisco
Long Beach, CA

Enclosed are the results of analyses on 3 soil samples
analyzed as specified on attached chain of custody.

Checked By

Wen

Approved By

Robert G. Araghi

ROBERT G. ARAGHI
LABORATORY DIRECTOR



AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4508
Project ID: 030603625.001.001
Project Name: LBC Tank Removal

Page: 2

Report To: (MCLH)
McLaren Hart
16755 Von Karman Ave.
Suite 200
Irvine, CA 92606-4918

Site:
1601 San Francisco
Long Beach, CA

Attn: J.R. Morabito

Phone: 949/756-2667

Method:	(8015M/DHSLUFT)			
Matrix:	TPH as Diesel Range Organics			
Units:	Soil mg/kg			
Lab ID:	30498	30499	30500	
Sample No:	DT-W.1	DD-2	UD-2	
Date Sampled:	01/27/99	01/27/99	01/27/99	
Date Extracted:	01/28/99	01/28/99	01/28/99	Detection
Date Analyzed:	01/28/99	01/28/99	01/28/99	Limit

TPH DRO (C13-C22)

ND

ND

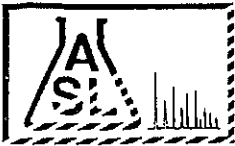
ND

10

Quality Control Report

Lab ID:	30498	30499	30500
Surrogate %REC.			
Chlorobenzene	91	82	105
	Spike	Spike DUP.	AVG.
	%REC.	%REC.	RPD
TPH as Diesel	95	95	< 1

ND - Not Detected at The Detection Limit



AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4508
Project ID: 030603625.001.001
Project Name: LBC Tank Removal

Page: 3

Report To: (MCLH)
McLaren Hart
16755 Von Karman Ave.
Suite 200
Irvine, CA 92606-4918

Site:
1601 San Francisco
Long Beach, CA

Attn: J.R. Morabito

Phone: 949/756-2667

Method:	[8015MOD/8020]			
Matrix:	TPH as Gasoline/BETX & MTBE			
Units:	Soil ug/kg			
Lab ID:	30498	30499	30500	
Sample No:	DT-W.1	DD-2	UD-2	
Date Sampled:	01/27/99	01/27/99	01/27/99	
Date Extracted:	01/28/99	01/28/99	01/28/99	Detection
Date Analyzed:	01/28/99	01/28/99	01/28/99	Limit
Benzene	ND	ND	ND	5
Ethylbenzene	ND	ND	ND	5
Toluene	ND	ND	ND	5
Xylenes (Total)	ND	ND	ND	10
MTBE	32	ND	ND	20
TPH as Gasoline	ND	ND	ND	1.0 (mg/Kg)

Quality Control Report

Lab ID:	30498	30499	30500
Surrogate %REC.			
Bromofluorobenzene	112	117	117
	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Benzene	100	95	5.1
Toluene	99	94	5.2

ND - Not Detected at The Detection Limit

F



Appendix F

Soil Non-Hazardous Waste Manifests and Weighmaster Certificates

C023188 - G+32784

**NON-HAZARDOUS
WASTE MANIFEST**

1. Generator's US EPA ID No.

E. X. E. M. P. T.

Manifest
Document No.
0.0.0.0.1

2. Page 1

of 1

MANIFEST # 01

3. Generator's Name and Mailing Address

CITY OF LONG BEACH, FLEET SERVICES
1601 SAN FRANCISCO AVE., LONG BEACH, CA 90802

4. Generator's Phone (562) 570-5490

5. Transporter 1 Company Name

W. A. WOODS INDUSTRIES, INC.

6. US EPA ID Number

E. X. E. M. P. T.

A. Transporter's Phone

(562) 927-1367

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address

THERMAL REMEDIATION SOLUTION
1211 WEST GLADSTONE STREET
AZUSA, CA 91702

10. US EPA ID Number

C. A. D. 0. 0. 9. 0. 0. 7. 6. 2. 6

C. Facility's Phone

(626) 338-3939

11. Waste Shipping Name and Description

a.

NON-HAZARDOUS, HYDROCARBON CONTAMINATED SOIL

12. Containers
No. Type

0.0.2 D.T 0.0.0.1.8

13. Total
Quantity14. Unit
Wt/Vol

Y

b.

c.

d.

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

01

15. Special Handling Instructions and Additional Information

APPROVAL # 9900037/SR0209

* RULE 1166, V.O.C. SOILS *

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name

TENA MARTIN

Signature

Tena Martin

for the City of Long Beach
multiple copies
Month Day Year
02 02 99

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

MARK Frye

Signature

Mark Frye

Month Day Year

02 02 99

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

. . .

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Raymond B. L.

Signature

Raymond B. L.

Month Day Year

02 02 99

ORIGINAL - RETURN TO GENERATOR

GENERATOR

TRANSPORTER

FAC

ITY

9993414 - IVG3408

**NON-HAZARDOUS
WASTE MANIFEST**

1. Generator's US EPA ID No.

E. X. E. M. P. T.

Manifest
Document No.
0.0.0.0.2

2. Page 1
of 1

MANIFEST # 02

3. Generator's Name and Mailing Address

CITY OF LONG BEACH, FLEET SERVICES
1601 SAN FRANCISCO AVE., LONG BEACH, CA 90802

4. Generator's Phone (562) 570-5490

5. Transporter 1 Company Name

W. A. WOODS INDUSTRIES, INC. 7*

6. US EPA ID Number

E. X. E. M. P. T.

A. Transporter's Phone

(562) 927-1367

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address

THERMAL REMEDIATION SOLUTION
1211 WEST GLADSTONE STREET
AZUSA, CA 91702

10. US EPA ID Number

C. A. D. 0.0.9.0.0.7.6.2.6

C. Facility's Phone

(626) 338-3939

11. Waste Shipping Name and Description

a. NON-HAZARDOUS, HYDROCARBON CONTAMINATED SOIL

12. Containers
No. Type

0.0. D.T

13. Total
Quantity

0.0.0.1.8

14. Unit
Wt/Vol

Y

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

01

15. Special Handling Instructions and Additional Information

APPROVAL # 9900037/SR0209

* RULE 1166, V.O.C. SOILS *

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name

Tom MacIn

Signature

Tom MacIn

for the city long beach
MULTIPLE CORP
Month Day Year
2 2 99

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Calisto

Signature

Calisto

Month Day Year
2 2 99

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year
. . .

19. Discreponcy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Raymond Bol

Signature

Raymond Bol

Month Day Year
02 22 99

ORIGINAL - RETURN TO GENERATOR

GENERATOR

TRANSPORTER

FACILITY

MS' M-L 5081796

**NON-HAZARDOUS
WASTE MANIFEST**

1. Generator's US EPA ID No.

E. X. E. M. P. T.

Manifest
Document No.
0.0.0.0.3

2. Page 1

of 1

MANIFEST # 03

3. Generator's Name and Mailing Address

CITY OF LONG BEACH, FLEET SERVICES
1601 SAN FRANCISCO AVE., LONG BEACH, CA 90802

4. Generator's Phone (562) 570-5490

5. Transporter 1 Company Name

W. A. WOODS INDUSTRIES, INC.

6. US EPA ID Number

E. X. E. M. P. T.

A. Transporter's Phone

(562) 927-1367

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address

THERMAL REMEDIATION SOLUTION
1211 WEST GLADSTONE STREET
AZUSA, CA 91702

10. US EPA ID Number

C. A. D. O. O. 9. 0. 0. 7. 6. 2. 6

C. Facility's Phone

(626) 338-3939

11. Waste Shipping Name and Description

a.

NON-HAZARDOUS, HYDROCARBON CONTAMINATED SOIL

12. Containers

No.

Type

13.
Total
Quantity

14.
Unit
Wt/Vol

0.0.

D.T

0.0.0.1.8

Y

b.

c.

d.

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

01

15. Special Handling Instructions and Additional Information

APPROVAL # 9900037/SR0209

* RULE 1166, V.O.C. SOILS *

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name

TOM MARTIN

Signature

Tom Martin

for the city of Long Beach Corp.
Month Day Year
2 2 99

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Rodriguez

Signature

Rodriguez

Month Day Year

02 02 99

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

.

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

RAYMOND BOL

Signature

Raymond Bol

Month Day Year

02 02 99

ORIGINAL - RETURN TO GENERATOR

3751129

**NON-HAZARDOUS
WASTE MANIFEST**

1. Generator's US EPA ID No.

E. X. E. M. P. T.

Manifest
Document No.
0.0.0.0.4

2. Page 1
of 1

MANIFEST # 04

3. Generator's Name and Mailing Address

CITY OF LONG BEACH, FLEET SERVICES
1601 SAN FRANCISCO AVE., LONG BEACH, CA 90802

4. Generator's Phone (562) 570-5490

5. Transporter 1 Company Name

W. A. WOODS INDUSTRIES, INC.

6. US EPA ID Number

E. X. E. M. P. T.

A. Transporter's Phone

(562) 927-1367

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address

THERMAL REMEDIATION SOLUTION
1211 WEST GLADSTONE STREET
AZUSA, CA 91702

10. US EPA ID Number

C. A. D. 0.0.9.0.0.7.6.2.6

C. Facility's Phone

(626) 338-3939

11. Waste Shipping Name and Description

12. Containers

No.

Type

13.
Total
Quantity

14.
Unit
Wt/Vol

a.

NON-HAZARDOUS, HYDROCARBON CONTAMINATED SOIL

0.0.

D.T

0.0.0.1.8

Y

b.

c.

d.

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

01

15. Special Handling Instructions and Additional Information

APPROVAL # 9900037/SR0209

* RULE 1166, V.O.C. SOILS *

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name

TOM MARTIN

Signature

TOM MARTIN for the city of Long Beach

Month

02

Day

02

Year

99

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

STERRY LEMASTER

Signature

[Signature]

Month

12

Day

22

Year

99

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month

.

Day

.

Year

.

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

RAYMOND BOI

Signature

Raymond Boi

Month

02

Day

02

Year

99

ORIGINAL - RETURN TO GENERATOR

SNV58238

GSI

NON-HAZARDOUS
WASTE MANIFEST

1. Generator's US EPA ID No.

E X E M P T

Manifest
Document No.

00005

2. Page 1

of

1

MANIFEST # 05

3. Generator's Name and Mailing Address

CITY OF LONG BEACH, FLEET SERVICES
1601 SAN FRANCISCO AVE., LONG BEACH, CA 90802

4. Generator's Phone (562) 570-5490

5. Transporter 1 Company Name

W. A. WOODS INDUSTRIES, INC.

6. US EPA ID Number

E X E M P T

A. Transporter's Phone

(562) 927-1367

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address

THERMAL REMEDIATION SOLUTION
1211 WEST GLADSTONE STREET
AZUSA, CA 91702

10. US EPA ID Number

C A D 0 0 9 0 0 7 6 2 6

C. Facility's Phone

(626) 338-3939

11. Waste Shipping Name and Description

a.

NON-HAZARDOUS, HYDROCARBON CONTAMINATED SOIL

12. Containers

No.

Type

13. Total
Quantity14. Unit
Wt/Vol

0 02 D T 0 0 0 1 8 Y

b.

c.

d.

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

01

15. Special Handling Instructions and Additional Information

APPROVAL # 9900037/SR0209

* RULE 1166, V.O.C. SOILS *

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name

TOM MARTIN

Signature

TOM MARTIN for the city of long beach corp.

Month Day Year

02 02 99

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

. . .

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

2 2 99

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

RAYMOND BOI

Signature

RAYMOND BOI

Month Day Year

02 02 99

ORIGINAL - RETURN TO GENERATOR

7-7A

**NON-HAZARDOUS
WASTE MANIFEST**

1. Generator's US EPA ID No.

E X E M P T

Manifest
Document No.
0 0 0 0.6

2. Page 1
of

MANIFEST #06

3. Generator's Name and Mailing Address

CITY OF LONG BEACH, FLEET SERVICES
1601 SAN FRANCISCO AVE., LONG BEACH, CA 90802

4. Generator's Phone (562) 570-5490

5. Transporter 1 Company Name

W. A. WOODS INDUSTRIES, INC.

6. US EPA ID Number

E X E M P T

A. Transporter's Phone

(562) 927-1367

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address

THERMAL REMEDIATION SOLUTION
1211 WEST GLADSTONE STREET
AZUSA, CA 91702

10. US EPA ID Number

C A D 0 0 9 0 0 7 6 2 6

C. Facility's Phone

(626) 338-3939

11. Waste Shipping Name and Description

a.

NON-HAZARDOUS, HYDROCARBON CONTAMINATED SOIL

12. Containers

No.

Type

13.
Total
Quantity

14.
Unit
Wt/Vol

0 0 2 D T 0 0 0 1.8 Y

b.

c.

d.

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

01

15. Special Handling Instructions and Additional Information

APPROVAL # 9900037/SR0209

* RULE 1166, V.O.C. SOILS *

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name

TOM MARTIN

Signature

TOM MARTIN for the city of long beach

Month Day Year
2 29 99

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

MO PAPERNA

Signature

MO PAPERNA

Month Day Year

2 2 99

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

.

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

RAYMOND BOI

Signature

Ray D BOI

Month Day Year

2 2 99

ORIGINAL - RETURN TO GENERATOR

GENERATOR

TRANSPORTER

FA

ITY

TFT

GP23188 - G432784

**NON-HAZARDOUS
WASTE MANIFEST**

1. Generator's US EPA ID No.

E.X.E.M.P.T.

Manifest
Document No. 0.0.0.0.72. Page 1
of 1

MANIFEST #07

3. Generator's Name and Mailing Address

CITY OF LONG BEACH, FLEET SERVICES
1601 SAN FRANCISCO AVE., LONG BEACH, CA 90802

4. Generator's Phone (562) 570-5490

5. Transporter 1 Company Name

W. A. WOODS INDUSTRIES, INC.

6. US EPA ID Number

E.X.E.M.P.T.

A. Transporter's Phone

(562) 927-1367

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address

THERMAL REMEDIATION SOLUTION
1211 WEST GLADSTONE STREET
AZUSA, CA 91702

10. US EPA ID Number

C.A.D.0.0.9.0.0.7.6.2.6

C. Facility's Phone

(626) 338-3939

11. Waste Shipping Name and Description

a.

NON-HAZARDOUS, HYDROCARBON CONTAMINATED SOIL

12. Containers
No. Type

0.0.2 D.T

13. Total
Quantity

0.0.0.1.8

14. Unit
Wt/Vol

Y

b.

c.

d.

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

01

15. Special Handling Instructions and Additional Information

APPROVAL # 9900037/SRO209

* RULE 1166, V.O.C. SOILS *

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name

Tom Martin

Signature

Tom Martin

for the City of Long Beach
Corp.Month Day Year
02 02 99

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

MARK Foye

Signature

Mark Foye

Month Day Year
02 02 99

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year
. . .

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

RAYMOND BOL

Signature

Raymond Bol

Month Day Year
02 02 99

ORIGINAL - RETURN TO GENERATOR

GENERATOR

TRANSPORTER

FACILITY

TAT
mjm 6 5281796-10m6220

1

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

E. X. E. M. P. T.

Manifest
Document No.
0.0.0.0.8

2. Page 1

of 1

MANIFEST # 08

3. Generator's Name and Mailing Address

CITY OF LONG BEACH, FLEET SERVICES
1601 SAN FRANCISCO AVE., LONG BEACH, CA 90802

4. Generator's Phone (562) 570-5490

5. Transporter 1 Company Name

W. A. WOODS INDUSTRIES, INC.

6. US EPA ID Number

E. X. E. M. P. T.

A. Transporter's Phone

(562) 927-1367

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address

THERMAL REMEDIATION SOLUTION
1211 WEST GLADSTONE STREET
AZUSA, CA 91702

10. US EPA ID Number

C. A. D. 0.0.9.0.0.7.6.2.6

C. Facility's Phone

(626) 338-3939

11. Waste Shipping Name and Description

a.

NON-HAZARDOUS, HYDROCARBON CONTAMINATED SOIL

12. Containers
No. Type

0.0.2 D-T

13. Total
Quantity

0.0.0.1.8

14. Unit
Wt/Vol

Y

b.

c.

d.

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

01

15. Special Handling Instructions and Additional Information

APPROVAL # 9900037/SR0209

* RULE 1166, V.O.C. SOILS *

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name

TOM MINT

Signature

TOM MINT in the city of LONG BEACH

Month Day Year
2 2 99

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

RUDY PATINO

Signature

RUDY PATINO

Month Day Year
10 20 99

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year
.

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

RAYMOND BOL

Signature

RAYMOND BOL

Month Day Year
6 2 99

ORIGINAL - RETURN TO GENERATOR

GENERATOR

TRANSPORTER

FACILITY

TY

9A93414 - 1UG3408

**NON-HAZARDOUS
WASTE MANIFEST**

1. Generator's US EPA ID No.
E.X.E.M.P.T.

Manifest
Document No.
0.0.0.0.9

2. Page 1
of 1

MANIFEST # 09

3. Generator's Name and Mailing Address

CITY OF LONG BEACH, FLEET SERVICES
1601 SAN FRANCISCO AVE., LONG BEACH, CA 90802

4. Generator's Phone (562) 570-5490

5. Transporter 1 Company Name

W. A. WOODS INDUSTRIES, INC.

6. US EPA ID Number

E.X.E.M.P.T.

A. Transporter's Phone

(562) 927-1367

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address

THERMAL REMEDIATION SOLUTION
1211 WEST GLADSTONE STREET
AZUSA, CA 91702

10. US EPA ID Number

C.A.D.O.O.9.O.O.7.6.2.6

C. Facility's Phone

(626) 338-3939

11. Waste Shipping Name and Description

a.
NON-HAZARDOUS, HYDROCARBON CONTAMINATED SOIL

12. Containers

No. Type

13. Total
Quantity

14. Unit
Wt/Vol

0.0 . D.T 0.0.0.1.8 Y

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

01

15. Special Handling Instructions and Additional Information

APPROVAL # 9900037/SR0209

* RULE 1166, V.O.C. SOILS *

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name

Tom Martin

Signature

Tom Martin

for the City of Long Beach Month Day Year 2 2 99

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Cateracille

Signature

Cateracille

Month Day Year 2 2 99

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year . . .

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Raymond Bol

Signature

Raymond Bol

Month Day Year 2 2 99

ORIGINAL - RETURN TO GENERATOR

GENERATOR

TRANSPORTER

FACILITY

5N84238
1VY1828

651

NON-HAZARDOUS
WASTE MANIFEST

1. Generator's US EPA ID No.

E.X.E.M.P.T.

Manifest
Document No.
0.0.0.1.02. Page 1
of 1

MANIFEST # 10

3. Generator's Name and Mailing Address

CITY OF LONG BEACH, FLEET SERVICES
1601 SAN FRANCISCO AVE., LONG BEACH, CA 90802

4. Generator's Phone (562) 570-5490

5. Transporter 1 Company Name

W. A. WOODS INDUSTRIES, INC.

6. US EPA ID Number

E.X.E.M.P.T.

A. Transporter's Phone

(562) 927-1367

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address

THERMAL REMEDIATION SOLUTION
1211 WEST GLADSTONE STREET
AZUSA, CA 91702

10. US EPA ID Number

C.A.D.0.0.9.0.0.7.6.2.6

C. Facility's Phone

(626) 338-3939

11. Waste Shipping Name and Description

a.

NON-HAZARDOUS, HYDROCARBON CONTAMINATED SOIL

12. Containers
No. Type

0.0 2 D.T

13. Total
Quantity

0.0.0.1.8

14. Unit
Wt/Vol

Y

b.

c.

d.

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

01

15. Special Handling Instructions and Additional Information

APPROVAL # 9900037/SR0209

* RULE 1166, V.O.C. SOILS *

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name

Tom Martin

Signature

Tom Martin

In the City of Long Beach
Corp. 2 2 99

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

G. S. G. S.

Signature

G. S. G. S.

Month Day Year

2 2 99

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Raymond Bol

Signature

Raymond Bol

Month Day Year

02 02 99

ORIGINAL - RETURN TO GENERATOR

3751129

**NON-HAZARDOUS
WASTE MANIFEST**

1. Generator's US EPA ID No.

E.X.E.M.P.T.

Manifest
Document No.

0.0.0.1.1

2. Page 1

of 1

MANIFEST #11

3. Generator's Name and Mailing Address

CITY OF LONG BEACH, FLEET SERVICES
1601 SAN FRANCISCO AVE., LONG BEACH, CA 90802

4. Generator's Phone (562) 570-5490

5. Transporter 1 Company Name

W. A. WOODS INDUSTRIES, INC.

6. US EPA ID Number

E.X.E.M.P.T.

A. Transporter's Phone

(562) 927-1367

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address

THERMAL REMEDIATION SOLUTION
1211 WEST GLADSTONE STREET
AZUSA, CA 91702

10. US EPA ID Number

C.A.D.0.0.9.0.0.7.6.2.6

C. Facility's Phone

(626) 338-3939

11. Waste Shipping Name and Description

a.

NON-HAZARDOUS, HYDROCARBON CONTAMINATED SOIL

12. Containers
No. Type

0.0. D.T 0.0.0.1.8 Y

b.

c.

d.

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

01

15. Special Handling Instructions and Additional Information

APPROVAL # 9900037/SR0209

* RULE 1166, V.O.C. SOILS *

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name

Tom Martin

Signature

Tom Martin for the city of Long Beach

Month Day Year
2 2 99

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

TERRY LEMASTER

Signature

Terry Lemaster

Month Day Year
2 2 99

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year
. . .

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Raymond Bol

Signature

Raymond Bol

Month Day Year
12 02 99

ORIGINAL - RETURN TO GENERATOR

GENERATOR

TRANSPORTER

FAC

ITY

7-7A

**NON-HAZARDOUS
WASTE MANIFEST**

1. Generator's US EPA ID No.

E.X.E.M.P.T.

Manifest
Document No.

0.0.0.1.2

2. Page 1
of 1

MANIFEST # 12

3. Generator's Name and Mailing Address

CITY OF LONG BEACH, FLEET SERVICES
1601 SAN FRANCISCO AVE., LONG BEACH, CA 90802

4. Generator's Phone (562) 570-5490

5. Transporter 1 Company Name

W. A. WOODS INDUSTRIES, INC.

6. US EPA ID Number

E.X.E.M.P.T.

A. Transporter's Phone

(562) 927-1367

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address

THERMAL REMEDIATION SOLUTION
1211 WEST GLADSTONE STREET
AZUSA, CA 91702

10. US EPA ID Number

C.A.D.O.O.9.O.O.7.6.2.6

C. Facility's Phone

(626) 338-3939

11. Waste Shipping Name and Description

a.

NON-HAZARDOUS, HYDROCARBON CONTAMINATED SOIL

12. Containers
No. Type

0.0. D.T 0.0.0.1.8

13. Total
Quantity

14. Unit
Wt/Vol

Y

b.

c.

d.

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

01

15. Special Handling Instructions and Additional Information

APPROVAL # 9900037/SR0209

* RULE 1166, V.O.C. SOILS *

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name

Tom Miller

Signature

Tom Miller

for the City of Long Beach

Month Day Year
2 2 99

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

MO PAPERNA

Signature

MO PAPERNA

Month Day Year
2 2 99

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Raymond Bol

Signature

Raymond Bol

Month Day Year
10 10 99

ORIGINAL - RETURN TO GENERATOR

GENERATOR

TRANSPORTER

FA

ITY

= 9B33212 #85

**NON-HAZARDOUS
WASTE MANIFEST**

1. Generator's US EPA ID No.

E.X.E.M.P.T.

Manifest
Document No.
0-0-0-1-32. Page 1
of 1

MANIFEST # 13

3. Generator's Name and Mailing Address

CITY OF LONG BEACH, FLEET SERVICES
1601 SAN FRANCISCO AVE., LONG BEACH, CA 90802

4. Generator's Phone (562) 570-5490

5. Transporter 1 Company Name

W. A. WOODS INDUSTRIES, INC.

6. US EPA ID Number

E.X.E.M.P.T.

A. Transporter's Phone

(562) 927-1367

7. Transporter 2 Company Name

8. US EPA ID Number

.

B. Transporter's Phone

9. Designated Facility Name and Site Address

THERMAL REMEDIATION SOLUTION
1211 WEST GLADSTONE STREET
AZUSA, CA 91702

10. US EPA ID Number

C.A.D-0-0-9-0-0-7-6-2-6

C. Facility's Phone

(626) 338-3939

11. Waste Shipping Name and Description

12. Containers

No.

Type

13. Total
Quantity14. Unit
Wt/Vol

a.

NON-HAZARDOUS, HYDROCARBON CONTAMINATED SOIL

0-0-1 D-T 0-0-0-1-8 Y

b.

c.

d.

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

01

15. Special Handling Instructions and Additional Information

APPROVAL # 9900037/SR0209

* RULE 1166, V.O.C. SOILS *

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name

TOM MARTIN

Signature

TOM MARTIN

City of Long Beach
Corp.Month Day Year
2 2 99

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

CHAR MONTIEL M.

Signature

CHAR MONTIEL M.

Month Day Year
2 2 99

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year
. . .

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Raymond Bol

Signature

Raymond Bol

Month Day Year
02 02 99

ORIGINAL - RETURN TO GENERATOR

GENERATOR

TRANSPORTER

FAC

ITY



G



Appendix G

Report of Compaction Testing



SMITH-EMERY COMPANY

The Full Service Independent Testing Laboratory, Established 1904

22795 Savi Ranch Pkwy., Suite B
Yorba Linda, California 92687
(714) 921-8938
Fax (714) 921-4264

Los Angeles, California 90021
San Francisco, California 94188
Anaheim, California 92807

• (213) 749-3411 • Fax (213) 746-7228
• (415) 330-3000 • Fax (415) 330-3030
• (714) 693-1026 • Fax (714) 693-1034

February 26, 1999

SEG File No.: 92640

SEG Report No.: 99-0086

Foss Environmental
Pier D, Berth D47
Long Beach, California 90802

Attn: John White

RE: City Yard
Long Beach, California

SUBJECT: COMPACTION TESTING

REPORT OF TESTS

In compliance with your request, Smith-Emery GeoServices has conducted standard compaction testing for the above referenced project.

Field density tests to determine relative compaction were conducted in accordance with ASTM D2922-91, nuclear method.

Test locations and results are presented on the attached Table 1. Laboratory compaction characteristics of soil tests were performed on representative samples in accordance with ASTM D1557-91, five layer method. Test results are presented on the attached Table 2.

Respectfully submitted,

SMITH-EMERY GEOSERVICES

Robert H. Greeley
ROBERT H. GREELEY
Supervisor, GeoServices

RG/jb

Attachments

cc: 2 - Addressee

NOTE:

This report contains a weekly summary of compaction test results only and it should not be submitted to City or County grading departments as a certified compacted earth fill report.



February 26, 1999

SEG File No.: 92640
SEG Report No.: 99-0086

Project: City Yard
Long Beach, California

ELEVATION KEY					METHOD KEY			
SG-Subgrade			FSG-Finish Subgrade		SC-Sandcone			
FG-Finish Grade			FAB-Finish Aggregate Base		NG-Nuclear Gauge			
AB-Aggregate Base			BTM-Bottom		DT-Drive Tube			
RESULTS OF DENSITY TESTS								
Test No.	Test Date	Elev. Type	Moisture Depth	Dry Content	Relative Compaction Density	Soil Field	Specified	Type
		(ft.)	(%)		(p.c.f.)	(%)	(%)	
11	2-3	NG	-5.0	11.2	117.5	91	90	II
LOCATION:		SOUTH OF CENTER						
12	2-3	NG	-3	10.1	115.8	90	90	II
LOCATION:		SOUTH OF CENTER						
13	2-3	NG	SG	10.1	128.26	94	90	II
LOCATION:		SOUTH OF CENTER						

SMITH-EMERY GEOSERVICES - ANAHEIM
TABLE 1

H



Appendix H

No Further Action Letter



**JOINT POWERS AGENCY
LONG BEACH/SIGNAL HILL**

Unified Program Agency



2525 Grand Avenue • Long Beach, California 90815 • (562) 570-4131

March 25, 1999

Mr. David McCarthy
Public Service Yard
1725 San Francisco Avenue
Long Beach, California 90813

Re: 1725 San Francisco Avenue, Long Beach

Dear Mr. McCarthy:

This letter confirms the completion of the removal of two (2) 10,000 gallon, one (1) 1,000 gallon and one (1) 500 gallon underground storage tank(s) formerly located at the above described location.

Based on the information in the above referenced file and with the provision that the information provided to this agency was accurate and representative of site conditions, no further action related to the underground storage tank removal is required.

This notice is issued pursuant to a regulation contained in Section 2721(e) of Title 23 of the California Code of Regulations.

Please contact me at 562/570-4128 if you have any questions regarding this matter.

Sincerely,

Jeff Benedict, R.E.H.S., M.P.A.
Hazardous Waste Operations Officer

cc: Long Beach Fire Prevention Bureau
McLaren Hart, Inc.

sat let

IRON MOUNTAIN DOCUMENT INSERT

CUST ID: PN96db

PLACE DOCUMENT IN FILE:
1700 San Francisco

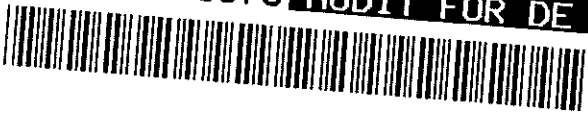
FILE LOCATED IN CARTON NBR:
224778978

COLUMN ARCHIVES BUILDING WAREHOUSE
LA F1 01 **FN196**
FN196

LOCATION ID: **C-31-0001-2-03-02**

CUST BOX NBR: 224778978 BOX TYPE: 1.2 DATE: 06/02/03

SKP BOX NBR: 224778978 **AUDIT FOR DE - FI**

L 

UNDERGROUND TANK PROGRAM TRACKING SYSTEM

Situs Address: 1725 San Francisco Ave
DBA: Public Service Yard / Fleet Services (2801 E Willow Street)
Owner/Responsible Party: City of Long Beach
Owner/Responsible Address: 1725 San Francisco Ave Long Beach 90813
Characterization Required ☐ Yes ☒ No

TANK INFORMATION

No.	Size(gal)	Contents	Date Lab Results
<u>1</u>	<u>10,000 gal</u>	<u>unleaded gasoline</u>	<u>02-03-99</u>
<u>1</u>	<u>10,000 gal</u>	<u>Diesel</u>	<u>↓</u>
<u>1</u>	<u>1,000 gal</u>	<u>empty, never used</u>	<u>↓</u>

Site Characterization Letter Sent

Date: _____

Site Characterization Permit Appl. Received

Date: _____

Site Characterization Permit Issued

Date: _____

Site Characterization Billing

Date: _____

Site Remediation Letter Sent

Date: _____

Site Remediation Permit Appl. Received

Date: _____

Site Remediation Permit Issued

Date: _____

Site Remediation Billing

Date: _____

Referred to Water Quality Management Board

Date: _____

File Closed/No Further Action Required

Date: 03-25-99

Referred to City Prosecutor

Date: _____

S.C.A.Q.M.D. Permit/Variance Issued

Date: _____

Note: _____



UNDERGROUND STORAGE TANK REMOVAL INSPECTION REPORT

Long Beach, California 90802
Fax (310) 570-2566

925 Harbor Plaza, Suite 100
Phone (310) 570-2560

PHONE#

DATE 11/21/99

NAME

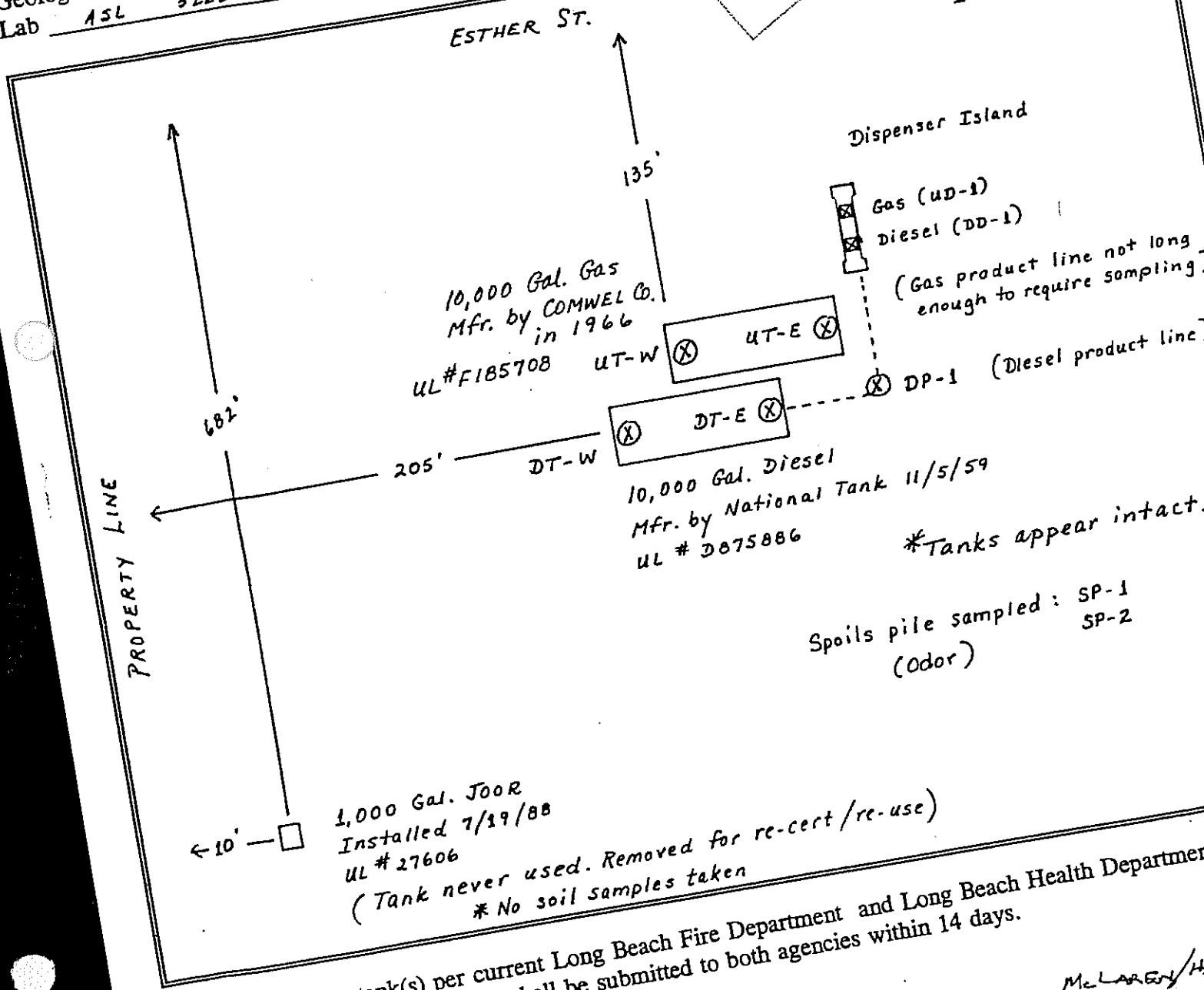
ADDRESS

PROJECT# 268704

INSPECTOR W. Swenson

City of L.B. Pub Svc Yd 1725 San Francisco Ave. 90813
Owner City of L.B. Fleet Svcs 2801 E. Willow St. 90806 570-5410
Contractor Foss Env. Pier D, Berth 247 L.B. 90802 590-6706
Geologist John Haney (McLaren-Hart) 16755 Van Karman Ave. Irvine 92606 (949) 756-2667
Lab ASL 3225 San Fernando Rd. Los Angeles 90065 (213) 254-7200

SITE MAP
N ↑



Remove 3 tank(s) per current Long Beach Fire Department and Long Beach Health Department guidelines. Soil sample analysis shall be submitted to both agencies within 14 days.

I have read and understand the above.

JOHN HANEY (949) 752-3285
Print name & phone #

McLAREN/H.
ASSOCIATE
Company and

*ATTN = JASP - Tom Hays *
FIRE PREVENTION PLAN CHECK WORKSHEET

DATE: 1/6/99

PROJECT # 268704 (T)
(Dept. Use Only)

TYPE OF PLANS: (Put an X in front of ONE)

- ☐ Building/New Construction
- ☐ Sprinkler/New Construction
- ☐ Dry/Wet Chemical
- ☐ Fire Alarm
- ☐ Above Ground Tanks
(No. of Tanks)
- ☐ Other

- ☐ Building/Tenant Improvement
- ☐ Sprinkler/Tenant Improvement
- ☐ No. Sprinkler Heads
- ☐ Fire Hydrant(s)
- ☒ Underground Tanks
(3 No. of Tanks)
- ☐ Spray Booth

REMOVAL

PLEASE PRINT - MUST BE FILLED OUT COMPLETELY

PROJECT NAME: City of Long Beach - Public Service Maintenance Yard	
PROJECT ADDRESS: 1725 San Francisco Ave - Long Beach, CA 90802	
DESCRIPTION OF WORK: TANK REMOVAL	
APPLICANT/CONTRACTOR: FUSS ENVIRONMENTAL	
ADDRESS/CITY/ST/ZIP: Pico D, Berth 047 / LB 90802	PHONE: (562) 590-6706
STATE LIC.#: 716581	FAX#: (562)
CITY BUS. LIC.#: BU 930 309 90	EXPIRATION DATE: 12/31/1999
CURRENT BUILDING USE: JTA	EXPIRATION DATE: 7/1/1999
OCCUPANCY CLASSIFICATION: (per UBC)	PROPOSED BUILDING USE:
BUILDING SPRINKLERED: YES	SQ. FT. TYPE OF CONSTRUCTION

***** (Fire Prevention Office Use Only) *****
Plans Submitted By: Tony MUDHAR / JOHN
Plan Review Fees: \$400.00 (PLS ADVISE)
Plan Review Checked By: [Signature]
1-8-99

WHITE
APPROVE
JAN 08 1999
L. B. F. D.
BUREAU OF FIRE PREVENTION

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD
UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM A

COMPLETE THIS FORM FOR EACH FACILITY/SITE



MARK ONLY ONE ITEM	☐ 1 NEW PERMIT	☐ 3 RENEWAL PERMIT	☒ 5 CHANGE OF INFORMATION	☐ 7 PERMANENTLY CLOSED SITE
	☐ 2 INTERIM PERMIT	☐ 4 AMENDED PERMIT	☐ 6 TEMPORARY SITE CLOSURE	

I. FACILITY/SITE INFORMATION & ADDRESS - (MUST BE COMPLETED)

NAME OF FACILITY NAME CITY OF LONG BEACH PUBLIC SERVICE MAINTENANCE YARD		NAME OF OPERATOR CITY OF LONG BEACH FLEET SERVICES	
ADDRESS 1601 SAN FRANCISCO AVE.		NEAREST CROSS STREET 15th Street	PARCEL # (OPTIONAL)
CITY NAME LONG BEACH		STATE CA	ZIP CODE 90802
TYPE OF BUSINESS: ☒ BOX TO INDICATE ☐ CORPORATION ☐ INDIVIDUAL ☐ PARTNERSHIP ☒ LOCAL AGENCY DISTRICTS* ☐ COUNTY AGENCY* ☐ STATE AGENCY* ☐ FEDERAL AGENCY*			
* If owner of UST is a public agency, complete the following: name of Supervisor of division, section, or office which operates the UST <u>DAVID MCCARTY - C&B Fleet Services</u>			
TYPE OF BUSINESS: ☐ 1 GAS STATION ☐ 2 DISTRIBUTOR ☐ 3 FARM ☐ 4 PROCESSOR ☒ 5 OTHER		IF INDIAN RESERVATION OR TRUST LANDS ☐	# OF TANKS AT SITE 5
		E.P.A. I.D. # (optional) CAD981450687	

EMERGENCY CONTACT PERSON (PRIMARY)

EMERGENCY CONTACT PERSON (SECONDARY) - optional

DAYS: NAME (LAST, FIRST) MCCARTY, DAVID	PHONE # WITH AREA CODE 562-570-5410
NIGHTS: NAME (LAST, FIRST) MCCARTY, DAVID	PHONE # WITH AREA CODE 562-570-5410

II. PROPERTY OWNER INFORMATION - (MUST BE COMPLETED)

NAME CITY OF LONG BEACH	CARE OF ADDRESS INFORMATION		
MAILING OR STREET ADDRESS 333 W. OCEAN BLVD., PLAZA LEVEL	☒ BOX TO INDICATE ☐ INDIVIDUAL ☒ LOCAL AGENCY ☐ STATE AGENCY ☐ CORPORATION ☐ PARTNERSHIP ☐ COUNTY AGENCY ☐ FEDERAL AGENCY		
CITY NAME LONG BEACH	STATE CA	ZIP CODE 90802	PHONE # WITH AREA CODE 562-570-5410

III. TANK OWNER INFORMATION - (MUST BE COMPLETED)

NAME OF OWNER CITY OF LONG BEACH	CARE OF ADDRESS INFORMATION		
MAILING OR STREET ADDRESS 333 W. OCEAN BLVD., PLAZA LEVEL	☒ BOX TO INDICATE ☐ INDIVIDUAL ☒ LOCAL AGENCY ☐ STATE AGENCY ☐ CORPORATION ☐ PARTNERSHIP ☐ COUNTY AGENCY ☐ FEDERAL AGENCY		
CITY NAME LONG BEACH	STATE CA	ZIP CODE 90802	PHONE # WITH AREA CODE 562-570-5410

IV. BOARD OF EQUALIZATION UST STORAGE FEE ACCOUNT NUMBER - Call (916) 322-9669 if questions arise.

TY (TK) HQ 44- [] [] [] [] [] []

V. PETROLEUM UST FINANCIAL RESPONSIBILITY - (MUST BE COMPLETED) - IDENTIFY THE METHOD(S) USED

☒ BOX TO INDICATE	☒ 1 SELF-INSURED	☐ 2 GUARANTEE	☐ 3 INSURANCE	☐ 4 SURETY BOND
	☐ 5 LETTER OF CREDIT	☐ 6 EXEMPTION	☐ 99 OTHER	

VI. LEGAL NOTIFICATION AND BILLING ADDRESS Legal notification and billing will be sent to the tank owner unless box I or II is checked.

CHECK ONE BOX INDICATING WHICH ABOVE ADDRESS SHOULD BE USED FOR LEGAL NOTIFICATIONS AND BILLING:

I ☐ II ☒ III ☐

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

OWNER'S NAME (PRINTED & SIGNED) John R. White	OWNER'S TITLE Project Manager	DATE MONTH/DAY/YEAR 1/5/99
--	----------------------------------	-------------------------------

LOCAL AGENCY USE ONLY

COUNTY # [] []	JURISDICTION # [] [] []	FACILITY # [] [] [] [] [] []
LOCATION CODE - OPTIONAL	CENSUS TRACT # - OPTIONAL	SUPERVISOR - DISTRICT CODE - OPTIONAL

THIS FORM MUST BE ACCOMPANIED BY AT LEAST (1) OR MORE PERMIT APPLICATION - FORM B, UNLESS THIS IS A CHANGE OF SITE INFORMATION ONLY.
OWNER MUST FILE THIS FORM WITH THE LOCAL AGENCY IMPLEMENTING THE UNDERGROUND STORAGE TANK REGULATIONS

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD
UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM B



COMPLETE A SEPARATE FORM FOR EACH TANK SYSTEM.

TANK ONLY ONE ITEM	☐ 1 NEW PERMIT	☐ 3 RENEWAL PERMIT	☐ 5 CHANGE OF INFORMATION	☐ 7 PERMANENTLY CLOSED ON SITE
	☐ 2 INTERIM PERMIT	☐ 4 AMENDED PERMIT	☐ 6 TEMPORARY TANK CLOSURE	☒ 8 TANK REMOVED
DBA OR FACILITY NAME WHERE TANK IS INSTALLED: CITY OF LONG BEACH - PUBLIC SERVICE MAINTENANCE YARD				

I. TANK DESCRIPTION COMPLETE ALL ITEMS - SPECIFY IF UNKNOWN

A. OWNER'S TANK I.D. # TANK #1 UL#F185708	B. MANUFACTURED BY: COMWEL CO.
C. DATE INSTALLED (MO/DAY/YEAR) 1966	D. TANK CAPACITY IN GALLONS: 10,000

II. TANK CONTENTS IF A-1 IS MARKED, COMPLETE ITEM C.

A. ☒ 1 MOTOR VEHICLE FUEL	☐ 4 OIL	B. ☒ 1 PRODUCT	C. ☒ 1a REGULAR UNLEADED	☐ 3 DIESEL	☐ 6 AVIATION GAS
☐ 2 PETROLEUM	☐ 80 EMPTY	☐ 2 WASTE	☐ 1b PREMIUM UNLEADED	☐ 4 GASAHOL	☐ 7 METHANOL
☐ 3 CHEMICAL PRODUCT	☐ 95 UNKNOWN		☐ 2 LEADED	☐ 5 JET FUEL	
D. IF (A.1) IS NOT MARKED, ENTER NAME OF SUBSTANCE STORED					C. A. S. #:

III. TANK CONSTRUCTION MARK ONE ITEM ONLY IN BOXES A, B, AND C, AND ALL THAT APPLIES IN BOX D AND E

A. TYPE OF SYSTEM	☐ 1 DOUBLE WALL	☐ 3 SINGLE WALL WITH EXTERIOR LINER	☐ 95 UNKNOWN
	☒ 2 SINGLE WALL	☐ 4 SECONDARY CONTAINMENT (VAULTED TANK)	☐ 99 OTHER
B. TANK MATERIAL (Primary Tank)	☒ 1 BARE STEEL	☐ 2 STAINLESS STEEL	☐ 3 FIBERGLASS
	☐ 5 CONCRETE	☐ 6 POLYVINYL CHLORIDE	☐ 4 STEEL CLAD W/ FIBERGLASS REINFORCED PLASTIC
	☐ 9 BRONZE	☐ 10 GALVANIZED STEEL	☐ 7 ALUMINUM
			☐ 8 100% METHANOL COMPATIBLE W/FRP
			☐ 95 UNKNOWN
			☐ 99 OTHER
C. INTERIOR LINING	☐ 1 RUBBER LINED	☐ 2 ALKYL LING	☐ 3 EPOXY LINING
	☐ 5 GLASS LINING	☐ 6 UNLINED	☐ 4 PHENOLIC LINING
			☐ 95 UNKNOWN
			☐ 99 OTHER
IS LINING MATERIAL COMPATIBLE WITH 100% METHANOL? YES NO			
D. CORROSION PROTECTION	☐ 1 POLYETHYLENE WRAP	☐ 2 COATING	☐ 3 VINYL WRAP
	☐ 5 CATHODIC PROTECTION	☐ 91 NONE	☐ 4 FIBERGLASS REINFORCED PLASTIC
			☐ 95 UNKNOWN
			☐ 99 OTHER

E. SPILL AND OVERFILL	SPILL CONTAINMENT INSTALLED (YEAR)	OVERFILL PREVENTION EQUIPMENT INSTALLED (YEAR)
-----------------------	------------------------------------	--

IV. PIPING INFORMATION CIRCLE A IF ABOVE GROUND OR U IF UNDERGROUND, BOTH IF APPLICABLE

A. SYSTEM TYPE	A U 1 SUCTION	A U 2 PRESSURE	A U 3 GRAVITY	A U 99 OTHER
B. CONSTRUCTION	A U 1 SINGLE WALL	A U 2 DOUBLE WALL	A U 3 LINED TRENCH	A U 95 UNKNOWN
				A U 99 OTHER
C. MATERIAL AND CORROSION PROTECTION	A U 1 BARE STEEL	A U 2 STAINLESS STEEL	A U 3 POLYVINYL CHLORIDE (PVC)	A U 4 FIBERGLASS PIPE
	A U 5 ALUMINUM	A U 6 CONCRETE	A U 7 STEEL W/ COATING	A U 8 100% METHANOL COMPATIBLE W/FRP
	A U 9 GALVANIZED STEEL	A U 10 CATHODIC PROTECTION	A U 95 UNKNOWN	A U 99 OTHER
D. LEAK DETECTION	☐ 1 AUTOMATIC LINE LEAK DETECTOR	☐ 2 LINE TIGHTNESS TESTING	☐ 3 INTERSTITIAL MONITORING	☐ 99 OTHER

V. TANK LEAK DETECTION

☐ 1 VISUAL CHECK	☐ 2 INVENTORY RECONCILIATION	☐ 3 VADOZE MONITORING	☐ 4 AUTOMATIC TANK GAUGING	☐ 5 GROUND WATER MONITORING
☐ 6 TANK TESTING	☐ 7 INTERSTITIAL MONITORING	☐ 91 NONE	☐ 95 UNKNOWN	☐ 99 OTHER

VI. TANK CLOSURE INFORMATION

1. ESTIMATED DATE LAST USED (MO/DAY/YR)	2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING GALLONS	3. WAS TANK FILLED WITH INERT MATERIAL? YES NO
---	--	--

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

APPLICANT'S NAME (PRINTED & SIGNATURE) John R. White	DATE 1/5/99
--	-------------

LOCAL AGENCY USE ONLY THE STATE I.D. NUMBER IS COMPOSED OF THE FOUR NUMBERS BELOW

STATE I.D.#	COUNTY #	JURISDICTION #	FACILITY #	TANK #
PERMIT NUMBER	PERMIT APPROVED BY/DATE		PERMIT EXPIRATION DATE	

THIS FORM MUST BE ACCOMPANIED BY A PERMIT APPLICATION - FORM A, UNLESS A CURRENT FORM A HAS BEEN FILED.
FILE THIS FORM WITH THE LOCAL AGENCY IMPLEMENTING THE UNDERGROUND STORAGE TANK REGULATIONS

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD
UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM B



COMPLETE A SEPARATE FORM FOR EACH TANK SYSTEM.

MARK ONLY ONE ITEM	☐ 1 NEW PERMIT	☐ 3 RENEWAL PERMIT	☐ 5 CHANGE OF INFORMATION	☐ 7 PERMANENTLY CLOSED ON SITE
	☐ 2 INTERIM PERMIT	☐ 4 AMENDED PERMIT	☐ 6 TEMPORARY TANK CLOSURE	☒ 8 TANK REMOVED

DBA OR FACILITY NAME WHERE TANK IS INSTALLED: CITY OF LONG BEACH - PUBLIC SERVICE MAINTENANCE YARD

I. TANK DESCRIPTION COMPLETE ALL ITEMS - SPECIFY IF UNKNOWN

A. OWNER'S TANK I.D.# <u>TANK #2 UL# D875886</u>	B. MANUFACTURED BY: <u>National Tank & Manufacturing</u>
C. DATE INSTALLED (MO/DAY/YEAR) <u>11/5/99</u>	D. TANK CAPACITY IN GALLONS: <u>10,000</u>

II. TANK CONTENTS IF A-1 IS MARKED, COMPLETE ITEM C.

A. ☒ 1 MOTOR VEHICLE FUEL ☐ 2 PETROLEUM ☐ 3 CHEMICAL PRODUCT	☐ 4 DIE ☐ 80 EMPTY ☐ 95 UNKNOWN	B. ☒ 1 PRODUCT ☐ 2 WASTE	C. ☐ 1a REGULAR UNLEADED ☐ 1b PREMIUM UNLEADED ☐ 2 LEADED	☒ 3 DIESEL ☐ 4 GASAHOL ☐ 5 JET FUEL ☐ 99 OTHER (DESCRIBE IN ITEM D. BELOW)	☐ 6 AVIATION GAS ☐ 7 METHANOL
D. IF (A.1) IS NOT MARKED, ENTER NAME OF SUBSTANCE STORED _____					
C. A. S. # _____					

III. TANK CONSTRUCTION MARK ONE ITEM ONLY IN BOXES A, B, AND C, AND ALL THAT APPLIES IN BOX D AND E

A. TYPE OF SYSTEM ☐ 1 DOUBLE WALL ☒ 2 SINGLE WALL	☐ 3 SINGLE WALL WITH EXTERIOR LINER ☐ 4 SECONDARY CONTAINMENT (VAULTED TANK) ☐ 95 UNKNOWN ☐ 99 OTHER _____			
B. TANK MATERIAL (Primary Tank) ☒ 1 BARE STEEL ☐ 5 CONCRETE ☐ 9 BRONZE	☐ 2 STAINLESS STEEL ☐ 6 POLYVINYL CHLORIDE ☐ 10 GALVANIZED STEEL	☐ 3 FIBERGLASS ☐ 7 ALUMINUM ☐ 95 UNKNOWN	☐ 4 STEEL CLAD W/ FIBERGLASS REINFORCED PLASTIC ☐ 8 100% METHANOL COMPATIBLE W/FRP ☐ 99 OTHER _____	
C. INTERIOR LINING ☐ 1 RUBBER LINED ☐ 5 GLASS LINING	☐ 2 ALKYD LINING ☐ 6 UNLINED	☐ 3 EPOXY LINING ☐ 95 UNKNOWN	☐ 4 PHENOLIC LINING ☐ 99 OTHER _____	
IS LINING MATERIAL COMPATIBLE WITH 100% METHANOL? YES _____ NO _____				
CORROSION PROTECTION ☐ 1 POLYETHYLENE WRAP ☐ 5 CATHODIC PROTECTION ☐ 91 NONE				☐ 2 COATING ☐ 3 VINYL WRAP ☐ 95 UNKNOWN ☐ 99 OTHER _____
E. SPILL AND OVERFILL SPILL CONTAINMENT INSTALLED (YEAR) _____				OVERFILL PREVENTION EQUIPMENT INSTALLED (YEAR) _____

IV. PIPING INFORMATION CIRCLE A IF ABOVE GROUND OR U IF UNDERGROUND, BOTH IF APPLICABLE

A. SYSTEM TYPE A (U) 1 SUCTION A U 2 PRESSURE A U 3 GRAVITY A U 99 OTHER	B. CONSTRUCTION A U 1 SINGLE WALL A U 2 DOUBLE WALL A U 3 LINED TRENCH A U 95 UNKNOWN A U 99 OTHER	C. MATERIAL AND CORROSION PROTECTION A U 1 BARE STEEL A U 5 ALUMINUM A U 9 GALVANIZED STEEL A U 2 STAINLESS STEEL A U 6 CONCRETE A U 10 CATHODIC PROTECTION A U 3 POLYVINYL CHLORIDE (PVC) A U 7 STEEL W/ COATING A U 95 UNKNOWN A U 4 FIBERGLASS PIPE A U 8 100% METHANOL COMPATIBLE W/FRP A U 99 OTHER
D. LEAK DETECTION ☐ 1 AUTOMATIC LINE LEAK DETECTOR ☐ 2 LINE TIGHTNESS TESTING ☐ 3 INTERSTITIAL MONITORING ☐ 99 OTHER		

V. TANK LEAK DETECTION

☐ 1 VISUAL CHECK ☐ 6 TANK TESTING	☐ 2 INVENTORY RECONCILIATION ☐ 7 INTERSTITIAL MONITORING ☐ 91 NONE	☐ 3 VADOZE MONITORING ☐ 95 UNKNOWN	☐ 4 AUTOMATIC TANK GAUGING ☐ 99 OTHER	☐ 5 GROUND WATER MONITORING
--	---	---	--	--

VI. TANK CLOSURE INFORMATION

1. ESTIMATED DATE LAST USED (MO/DAY/YR) _____	2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING _____ GALLONS	3. WAS TANK FILLED WITH INERT MATERIAL? YES ☐ NO ☐
---	--	--

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

APPLICANT'S NAME
(PRINTED & SIGNATURE)

John R. White

DATE

11/5/99

LOCAL AGENCY USE ONLY THE STATE I.D. NUMBER IS COMPOSED OF THE FOUR NUMBERS BELOW

STATE I.D.#	COUNTY #	JURISDICTION #	FACILITY #	TANK #
PERMIT NUMBER	PERMIT APPROVED BY/DATE	PERMIT EXPIRATION DATE		

THIS FORM MUST BE ACCOMPANIED BY A PERMIT APPLICATION - FORM A, UNLESS A CURRENT FORM A HAS BEEN FILED.
FILE THIS FORM WITH THE LOCAL AGENCY IMPLEMENTING THE UNDERGROUND STORAGE TANK REGULATIONS

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD
UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM B



COMPLETE A SEPARATE FORM FOR EACH TANK SYSTEM.

MARK ONLY ONE ITEM	☐ 1 NEW PERMIT	☐ 3 RENEWAL PERMIT	☐ 6 CHANGE OF INFORMATION	☐ 7 PERMANENTLY CLOSED ON SITE
	☐ 2 INTERIM PERMIT	☐ 4 AMENDED PERMIT	☐ 8 TEMPORARY TANK CLOSURE	☒ 9 TANK REMOVED
DBA OR FACILITY NAME WHERE TANK IS INSTALLED: <u>CITY OF LONG BEACH - PUBLIC SERVICE MAINTENANCE YARD</u>				

I. TANK DESCRIPTION COMPLETE ALL ITEMS - SPECIFY IF UNKNOWN

A. OWNER'S TANK I.D.# <u>TANK # 3 UL# 27606</u>	B. MANUFACTURED BY: <u>JOOR</u>
C. DATE INSTALLED (MO/DAY/YEAR) <u>7/19/88</u>	D. TANK CAPACITY IN GALLONS: <u>1,000</u>

II. TANK CONTENTS IF A.1 IS MARKED, COMPLETE ITEM C.

A. ☐ 1 MOTOR VEHICLE FUEL ☐ 4 OIL		B. ☒ 1 PRODUCT ☐ 2 WASTE		C. ☐ 1a REGULAR UNLEADED ☐ 3 DIESEL ☐ 6 AVIATION GAS	
☐ 2 PETROLEUM ☐ 80 EMPTY				☐ 4 GASAHOL ☐ 7 METHANOL	
☒ 3 CHEMICAL PRODUCT ☐ 95 UNKNOWN				☐ 5 JET FUEL ☒ 99 OTHER (DESCRIBE IN ITEM D. BELOW)	
D. IF (A.1) IS NOT MARKED, ENTER NAME OF SUBSTANCE STORED <u>SOLVENT (RECYCLED)</u>				C.A.S.#: <u>122-66-6</u>	

III. TANK CONSTRUCTION MARK ONE ITEM ONLY IN BOXES A, B, AND C, AND ALL THAT APPLIES IN BOX D AND E

A. TYPE OF SYSTEM ☒ 1 DOUBLE WALL ☐ 3 SINGLE WALL WITH EXTERIOR LINER ☐ 95 UNKNOWN		☒ 2 SINGLE WALL ☐ 4 SECONDARY CONTAINMENT (VAULTED TANK) ☐ 99 OTHER	
B. TANK MATERIAL (Primary Tank) ☒ 1 BARE STEEL ☐ 2 STAINLESS STEEL ☐ 3 FIBERGLASS ☒ 4 STEEL CLAD W/ FIBERGLASS REINFORCED PLASTIC		☐ 5 CONCRETE ☐ 6 POLYVINYL CHLORIDE ☐ 7 ALUMINUM ☐ 8 100% METHANOL COMPATIBLE W/FRP	
☐ 9 BRONZE ☐ 10 GALVANIZED STEEL ☐ 95 UNKNOWN ☐ 99 OTHER			
C. INTERIOR LINING ☐ 1 RUBBER LINED ☐ 2 ALKYLE LINING ☐ 3 EPOXY LINING ☐ 4 PHENOLIC LINING		☐ 5 GLASS LINING ☐ 6 UNLINED ☐ 95 UNKNOWN ☐ 99 OTHER	
IS LINING MATERIAL COMPATIBLE WITH 100% METHANOL? YES ☐ NO ☐			
CORROSION PROTECTION ☐ 1 POLYETHYLENE WRAP ☐ 2 COATING ☐ 3 VINYL WRAP ☐ 4 FIBERGLASS REINFORCED PLASTIC		☐ 5 CATHODIC PROTECTION ☐ 91 NONE ☐ 95 UNKNOWN ☐ 99 OTHER	
E. SPILL AND OVERFILL SPILL CONTAINMENT INSTALLED (YEAR) _____ OVERFILL PREVENTION EQUIPMENT INSTALLED (YEAR) _____			

IV. PIPING INFORMATION CIRCLE A IF ABOVE GROUND OR U IF UNDERGROUND, BOTH IF APPLICABLE

A. SYSTEM TYPE	A U 1 SUCTION	A U 2 PRESSURE	A U 3 GRAVITY	A U 99 OTHER
B. CONSTRUCTION	A U 1 SINGLE WALL	A U 2 DOUBLE WALL	A U 3 LINED TRENCH	A U 95 UNKNOWN A U 99 OTHER
C. MATERIAL AND CORROSION PROTECTION	A U 1 BARE STEEL	A U 2 STAINLESS STEEL	A U 3 POLYVINYL CHLORIDE (PVC)	A U 4 FIBERGLASS PIPE
	A U 5 ALUMINUM	A U 6 CONCRETE	A U 7 STEEL W/ COATING	A U 8 100% METHANOL COMPATIBLE W/FRP
	A U 9 GALVANIZED STEEL	A U 10 CATHODIC PROTECTION	A U 95 UNKNOWN	A U 99 OTHER
D. LEAK DETECTION	☐ 1 AUTOMATIC LINE LEAK DETECTOR	☐ 2 LINE TIGHTNESS TESTING	☐ 3 INTERSTITIAL MONITORING	☐ 99 OTHER

V. TANK LEAK DETECTION

☐ 1 VISUAL CHECK	☐ 2 INVENTORY RECONCILIATION	☐ 3 VADOZE MONITORING	☐ 4 AUTOMATIC TANK GAUGING	☐ 5 GROUND WATER MONITORING
☐ 6 TANK TESTING	☐ 7 INTERSTITIAL MONITORING	☐ 91 NONE	☐ 95 UNKNOWN	☐ 99 OTHER

VI. TANK CLOSURE INFORMATION

1. ESTIMATED DATE LAST USED (MO/DAY/YR)	2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING _____ GALLONS	3. WAS TANK FILLED WITH INERT MATERIAL? YES ☐ NO ☐
---	--	--

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

APPLICANT'S NAME (PRINTED & SIGNATURE)

John R. White

DATE

1/5/99

LOCAL AGENCY USE ONLY THE STATE I.D. NUMBER IS COMPOSED OF THE FOUR NUMBERS BELOW

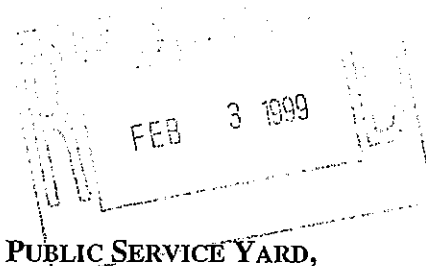
STATE I.D.#	COUNTY #	JURISDICTION #	FACILITY #	TANK #
PERMIT NUMBER	PERMIT APPROVED BY/DATE		PERMIT EXPIRATION DATE	

THIS FORM MUST BE ACCOMPANIED BY A PERMIT APPLICATION - FORM A, UNLESS A CURRENT FORM A HAS BEEN FILED.
FILE THIS FORM WITH THE LOCAL AGENCY IMPLEMENTING THE UNDERGROUND STORAGE TANK REGULATIONS



February 1, 1999

Cheryl Sandel
City of Long Beach
Department of Health and Human Services
Hazardous Materials Division
2525 Grand Avenue
Long Beach, CA 90815



**RE: ADDITIONAL SAMPLING RESULTS: UST REMOVAL- PUBLIC SERVICE YARD,
SITE NO. 43, 1725 SAN FRANCISCO AVENUE, LONG BEACH, CALIFORNIA
(McLAREN/HART PROJECT NO. 03.0603625.001)**

Dear Ms. Sandel:

This letter and attached soil sample results are being provided to supplement the data previously sent to you on January 26, 1999, regarding the removal of three tanks located at 1725 San Francisco Avenue (Project Number F268704). Based on our review of the initial soil sample analytical results (letter dated January 26, 1999), McLaren/Hart excavated additional soil in the vicinity of samples DT-W, DD-1, and UD-1 on January 27, 1999. Approximately 31 cubic yards of contaminated soil was removed from the west end of the diesel tank excavation (sample DT-W) to a depth of 18 feet below ground surface (bgs) and approximately 21 cubic yards of contaminated soil was removed from beneath the former dispenser island (samples DD-1 and UD-1) to a depth of 6 feet bgs.

Three soil samples were collected utilizing a hand auger and drive sampler, placed in a thermally insulated cooler, and transported under proper chain-of-custody procedures to American Scientific Laboratories, a California Certified Laboratory in Los Angeles, California on January 27, 1999. Sample DT-W.1 was collected near the west end of the diesel tank excavation at a depth of 18 feet bgs, sample DD-2 was collected from beneath the former location of the diesel dispenser at a depth of 6 feet bgs, and UD-2 was collected from beneath the former location of the unleaded dispenser at a depth of 6 feet bgs. Samples were analyzed for TPHg and TPHd using EPA Method 8015M and BTEX and MTBE using EPA Method 8020. Copies of soil sample analysis results, chain-of-custody form, and a plot plan identifying the locations of samples collected for the above referenced project are attached.

N:\AL\LONGBEAC\0603625.001\lr003.doc

16755 Von Karman Avenue, Suite 200, Irvine, California 92606-4918
(949) 756-2667 FAX (949) 756-8460



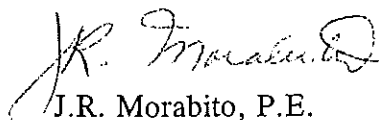
Sandel

February 1, 1999

Page 2

If you have any comments or inquiries regarding this letter or attachments, please contact me at (949) 752-3202 or John Haney at (949) 752-3285.

Sincerely,



J.R. Morabito, P.E.

Principal Engineer

Attachments

cc: Wayne Swenson, Long Beach Fire Department, City of Long Beach
David McCarty, Fleet Services Bureau, City of Long Beach

N:\AL\LONGBEAC\0603625.001\LTR003.DOC





AMERICAN SCIENTIFIC LABORATORIES, LLC

Environmental Testing Services

3225 San Fernando Road, LA, CA 90065 Tel: (323) 254-7700 • Fax: (323) 254-7799

Page 1 Of 1

ASL JOB# _____

Company: <u>McLAREN/HART</u>						Report To: <u>J.R. MORABITO</u>		ANALYSIS REQUESTED													
Address: <u>16755 VON KARMAN AVE.</u>						Project Name: <u>LBC TANK REMOVAL</u>		Address: <u>SAME</u>		TOLUENE DIESEL GAS BTEX + MTBE + PAHs											
IRVINE, CA 92606						Site Address: <u>1601 SAN FRANCISCO</u>		Invoice To: <u>SAME</u>													
Telephone: <u>(949) 752-3202</u>						Address: <u>LONG BEACH, CA</u>		Address: <u>SAME</u>													
Fax: <u>(949) 756-9460</u>						Project ID: <u>030603625.001.001</u>		P.O.#:													
Special Instruction: <u>FAK RESULTS UPON COMPLETION</u>						Project Manager: <u>J.R. MORABITO</u>															

I T E M	LAB USE ONLY	SAMPLE DESCRIPTION					Container(s)		Matrix	Preservation											Remarks
	Lab ID	Sample ID	Date	Time	#	Type															
		DT-W.1	1/27/98	13:20	1	BRASS	SOIL	4°C	X	X	X								18' bgs		
		DD-Z	↓	13:50	↓	↓	↓			X	X	Y							6' bgs		
		UD-Z	↓	14:05	↓	↓	↓			X	X	X							6' bgs		

Collected By: <u>J. HANEY</u>			Date <u>1/27/98</u> Time <u>—</u>			Relinquished By: _____			Date _____ Time _____			TAT ☐ Normal ☐ Rush
Relinquished By: <u>[Signature]</u>			Date <u>1/27/98</u> Time <u>14:15</u>			Received For Laboratory <u>[Signature]</u>			Date <u>1/27</u> Time <u>—:—</u>			
Condition of Sample: _____												

1-28-1999 5:30PM

FROM AMERICAN_SCIENTFC_LABS 2132547799

P. 2



AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

McLaren Hart
16755 Von Karman Ave.
Suite 200
Irvine, CA 92606-4918

Number of Pages: 3
Date Received : 01/27/99
Date Reported : 01/28/99

Attn : J.R. Morabito
Phone: 949/756-2667

ASL Job Number: 4508

Project Name : LBC Tank Removal
Project Number : 030603625.001.001

Site: 1601 San Francisco
Long Beach, CA

Enclosed are the results of analyses on 3 soil samples
analyzed as specified on attached chain of custody.

Checked By

Wen

Approved By

ROBERT G. ARAGHI
LABORATORY DIRECTOR

1-28-1999 5:30PM

FROM AMERICAN SCIENTIFIC LABS 2132547799

P. 3



AMERICAN SCIENTIFIC LABORATORIES, LLC

Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4508
 Project ID: 030603625.001.001
 Project Name: LBC Tank Removal

Page: 2

Report To: (MCLH)

McLaren Hart

16755 Von Karman Ave

Suite 200

Irvine, CA 92606-4918

Site:

1601 San Francisco

Long Beach, CA

Attn: J.R. Morabito

Phone: 949/756-2667

Method:

(8015M/DHSLUFT)

Matrix:

TPH as Diesel Range Organics

Units:

Soil
mg/kg

Lab ID:

30498

30499

30500

Sample No:

DT-W.1

DD-2

UD-2

Date Sampled:

01/27/99

01/27/99

01/27/99

Date Extracted:

01/28/99

01/28/99

01/28/99

Date Analyzed:

01/28/99

01/28/99

01/28/99

Detection
Limit

TPH DRO (C13-C22)

ND

ND

ND

10

Quality Control Report

Lab ID:

30498

30499

30500

Surrogate %REC.

Chlorobenzene

91

82

105

Spike
%REC.Spike DUP.
%REC.AVG.
RPD

TPH as Diesel

95

95

< 1

ND - Not Detected at The Detection Limit

3225 San Fernando Road, Los Angeles, California 90065 • (323) 254-7700, Fax: (323) 254-7799



AMERICAN SCIENTIFIC LABORATORIES, LLC

Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4508
 Project ID: 030603625.001.001
 Project Name: LBC Tank Removal

Page: 3

Report To: (MCLH)
 McLaren Hart
 16755 Von Karman Ave.
 Suite 200
 Irvine, CA 92606-4918

Site: 1601 San Francisco
 Long Beach, CA

Attn: J.R. Morabito

Phone: 949/756-2667

Method:	[8015MOD/8020]			
Matrix:	TPH as Gasoline/BETX & MTBE			
Units:	Soil ug/kg			
Lab ID:	30498	30499	30500	
Sample No:	DT-W.1	DD-2	UD-2	
Date Sampled:	01/27/99	01/27/99	01/27/99	
Date Extracted:	01/28/99	01/28/99	01/28/99	
Date Analyzed:	01/28/99	01/28/99	01/28/99	Detection Limit
Benzene	ND	ND	ND	5
Ethylbenzene	ND	ND	ND	5
Toluene	ND	ND	ND	5
Xylenes (Total)	ND	ND	ND	10
MTBE	32	ND	ND	20
TPH as Gasoline	ND	ND	ND	1.0 (mg/Kg)

Quality Control Report

Lab ID:	30498	30499	30500
Surrogate REC:			
Bromofluorobenzene	112	117	117
	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Benzene	100	95	5.1
Toluene	99	94	5.2

ND - Not Detected at The Detection Limit

3225 San Fernando Road, Los Angeles, California 90065 • (323) 254-7700, Fax: (323) 254-7799



**McLaren[®]
Hart**

ENVIRONMENTAL ENGINEERING CORPORATION

January 26, 1999

Cheryl Sandel
City of Long Beach
Department of Health and Human Services
Hazardous Materials Division
2525 Grand Avenue
Long Beach, CA 90815

**RE: UST REMOVAL- PUBLIC SERVICE YARD, SITE NO. 43
1725 SAN FRANCISCO AVENUE, LONG BEACH, CALIFORNIA
McLAREN/HART PROJECT NO. 03.0603625.001**

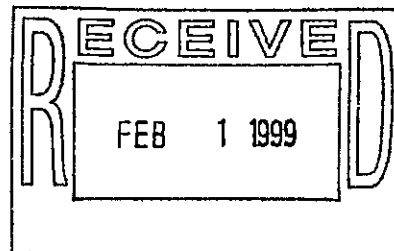
Dear Ms. Sandel:

McLaren/Hart removed three tanks located at 1725 San Francisco Avenue (Project Number F268704) and collected nine soil samples under the direction of Long Beach Fire Inspector Wayne Swenson on January 21, 1999. Samples were collected utilizing a hand auger and drive sampler, placed in a thermally insulated cooler, and transported under proper chain-of-custody procedures to American Scientific Laboratories, a California Certified Laboratory in Los Angeles, California on January 21, 1999. Samples were analyzed for TPHg and TPHd using EPA Method 8015M and BTEX and MTBE using EPA Method 8020. Enclosed are copies of sample analysis results, chain-of-custody, and a plot plan identifying the locations of samples collected for the above referenced project.

If you have any comments or inquiries regarding this letter or attachments, please contact me at (949) 752-3202 or John Haney at (949) 752-3285.

Sincerely,

J.R. Morabito, P.E.
Principal Engineer



Attachments

cc: Wayne Swenson, Long Beach Fire Department, City of Long Beach
David McCarty, Fleet Services Bureau, City of Long Beach

\\MHIRVINE\DATA\PROJECTS\LA\LONGBEACH\0603625.001\lr002.doc



AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

Fax Cover Sheet

To: J.R. Morabito

Company: Melarm Hart Fax #: 949/456-8460

From: Lily

Date: 1-22-99 Time: 3:10pm

Number of Pages(Including Cover): 14

Notes: Please, check the report and call us with any
additional request as soon as possible.



AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

McLaren Hart
16755 Von Karman Ave.
Suite 200
Irvine, CA 92606-4918

Number of Pages: 13
Date Received : 01/21/99
Date Reported : 01/22/99

Attn : J.R.Morabito
Phone: 949/756-2667

ASL Job Number: 4478

Project Name : LBC Tank Removal
Project Number : 030603625.001.001

Site: 1601 San Francisco Ave.

Enclosed are the results of analyses on 9 soil samples
analyzed as specified on attached chain of custody.

Checked By

Wenlin

Approved By

ROBERT G. ARAGHI
LABORATORY DIRECTOR

1-22-1999 4:00PM

FROM AMERICAN SCIENTIFIC LABS 2132547799

P.3



AMERICAN SCIENTIFIC LABORATORIES, LLC

Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4478
 Project ID: 030603625.001.001
 Project Name: LBC Tank Removal

Page: 2

Report To: (MCLH) McLaren Hart
 16755 Von Karman Ave.
 Suite 200
 Irvine, CA 92606-4918

Site: 1601 San Francisco Ave.

Attn: J.R. Morabito

Phone: 949/756-2667

Method:	(8015M/DHSLOFT)				
Matrix:	TPH as Diesel Range Organics				
Units:	Soil mg/kg				
Lab ID:	30322	30323	30324	30325	
Sample No:	DD-1	DT-E	UT-E	UT-W	
Date Sampled:	01/21/99	01/21/99	01/21/99	01/21/99	
Date Extracted:	01/21/99	01/21/99	01/21/99	01/21/99	
Date Analyzed:	01/21/99	01/21/99	01/21/99	01/21/99	Detection Limit

TPH DRO (C13-C22)	11400	ND	ND	ND	10
-------------------	-------	----	----	----	----

Quality Control Report

Lab ID:	30322	30323	30324	30325
Surrogate %REC.				
Chlorobenzene	109	87	85	84
Spike %REC.				
TPH as Diesel	99	99	< 1	

ND - Not Detected at The Detection Limit

2225 San Francisco Ave.

1-22-1999 4:00PM

FROM AMERICAN SCIENTIFIC LABS 2132547799

P. 4



AMERICAN SCIENTIFIC LABORATORIES, LLC

Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4478
 Project ID: 030603625.001.001
 Project Name: LBC Tank Removal

Page: 3

Report To: (MCLH) McLaren Hart
 16755 Von Karman Ave.
 Suite 200
 Irvine, CA 92606-4918
 Site: 1601 San Francisco Ave.

Attn: J.R. Morabito

Phone: 949/756-2667

Method:	(8015M/DHSLUFT)				
Matrix:	TPH as Diesel Range Organics				
Units:	Soil mg/kg				
Lab ID:	30326	30327	30328	30329	
Sample No:	DT-W	UD-1	DP-1	SP-1	
Date Sampled:	01/21/99	01/21/99	01/21/99	01/21/99	
Date Extracted:	01/21/99	01/21/99	01/21/99	01/21/99	
Date Analyzed:	01/21/99	01/21/99	01/21/99	01/21/99	Detection Limit

TPH DRO (C13-C22)

ND

ND

ND

ND

10

Quality Control Report

Lab ID:	30326	30327	30328	30329
Surrogate & REC.				
Chlorobenzene	85	95	82	96
	Spike	Spike DUP.	AVG.	
	%REC.	%REC.	RPD	
TPH as Diesel	99	99	< 1	

ND - Not Detected at The Detection Limit

1-22-1999 4:01PM

FROM AMERICAN_SCIENFIC_LABS 2132547799

P.5



AMERICAN SCIENTIFIC LABORATORIES, LLC

Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4478
 Project ID: 030603625.001.001
 Project Name: LBC Tank Removal

Page: 4

Report To: (MCLH) McLaren Hart
 16755 Von Karman Ave.
 Suite 200
 Irvine, CA 92606-4918

Site: 1601 San Francisco Ave.

Attn: J.R. Morabito

Phone: 949/756-2667

Method: (8015M/DHSLUFT)
 Matrix: TPH as Diesel Range Organics
 Units: Soil
 mg/kg

Lab ID: 30330
 Sample No: SP-2
 Date Sampled: 01/21/99
 Date Extracted: 01/21/99
 Date Analyzed: 01/21/99

Detection
 Limit

TPH DRO (C13-C22)

9310

10

Quality Control Report

Lab ID: 30330

Surrogate %REC.
 Chlorobenzene

120

Spike
 %REC.

Spike DUP.
 %REC.

AVG.
 RPD

TPH as Diesel

99

99

< 1

ND - Not Detected at The Detection Limit

3225 San Francisco Ave. Irvine, CA 92618



AMERICAN SCIENTIFIC LABORATORIES, LLC

Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4478
 Project ID: 030603625.001.001
 Project Name: LBC Tank Removal

Page: 5

Report To: (MCLH)
 McLaren Hart
 16755 Von Karman Ave.
 Suite 200
 Irvine, CA 92606-4918

Site: 1601 San Francisco Ave.

Attn: J.R. Morabito

Phone: 949/756-2667

Method: [8015MOD/8020]
 Matrix: TPH as Gasoline/BETX & MTBE
 Units: Soil
 ug/kg
 Lab ID: 30322
 Sample No: DD-1
 Date Sampled: 01/21/99
 Date Extracted: 01/21/99
 Date Analyzed: 01/22/99

Detection
 Limit

Benzene	62	50
Ethylbenzene	50	50
Toluene	50	50
Xylenes (Total)	280	100
MTBE	ND	200
TPH as Gasoline	15	10 (mg/Kg)

Quality Control Report

Lab ID: 30322

Surrogate %REC.
 Bromofluorobenzene 119

	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Benzene	115	106	8.1
Toluene	114	103	10.1

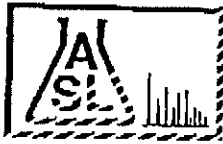
ND - Not Detected at The Detection Limit

3225 San Fernando Road, Los Angeles, California 90065 • (323) 254-7700, Fax: (323) 254-7799

1-22-1999 4:02PM

FROM AMERICAN SCIENTIFIC LABS 2132547799

P.7



AMERICAN SCIENTIFIC LABORATORIES, LLC

Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4478
 Project ID: 030603625.001.001
 Project Name: LBC Tank Removal

Page: 6

Report To: (MCLH)
 McLaren Hart
 16755 Von Karman Ave.
 Suite 200
 Irvine, CA 92606-4918

Site: 1601 San Francisco Ave.

Attn: J.R. Morabito

Phone: 949/756-2667

Method: [8015MOD/8020]
 Matrix: TPH as Gasoline/BETX & MTBE
 Units: Soil
 ug/kg
 Lab ID: 30323
 Sample No: DT-E
 Date Sampled: 01/21/99
 Date Extracted: 01/22/99
 Date Analyzed: 01/22/99

Detection
 Limit

Benzene	ND	5
Ethylbenzene	90	5
Toluene	ND	5
Xylenes (Total)	70	10
MTBE	40	20
TPH as Gasoline	ND	1.0 (mg/kg)

Quality Control Report

Lab ID: 30323

Surrogate & REC.
 Bromofluorobenzene

114

	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Benzene	115	106	8.1
Toluene	114	103	10.1

ND - NOT Detected at The Detection Limit

3225 San Fernando Road, Los Angeles, California 90065 • (323) 254-7700, Fax: (323) 254-7799

1-22-1999 4:02PM

FROM AMERICAN SCIENTIFIC LABS 2132547799

P.8



AMERICAN SCIENTIFIC LABORATORIES, LLC

Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4478
 Project ID: 030603625.001.001
 Project Name: LBC Tank Removal

Page: 7

Report To: (MCLH) McLaren Hart
 16755 Von Karman Ave.
 Suite 200
 Irvine, CA 92606-4918

Site: 1601 San Francisco Ave.

Attn: J.R. Morabito

Phone: 949/756-2667

Method: [8015MOD/8020]
 Matrix: TPH as Gasoline/BETX & MTBE
 Units: Soil
 ug/kg

Lab ID: 30324
 Sample No: UT-E
 Date Sampled: 01/21/99
 Date Extracted: 01/21/99
 Date Analyzed: 01/21/99

Detection
 Limit

Benzene	ND	5
Ethylbenzene	ND	5
Toluene	ND	5
Xylenes (Total)	ND	10
MTBE	ND	20
TPH as Gasoline	ND	1.0 (mg/Kg)

Quality Control Report

Lab ID: 30324

Surrogate %REC.

Bromofluorobenzene

84

	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Benzene	105	104	< 1
Toluene	101	100	1

ND - Not Detected at The Detection Limit

3225 San Fernando Road Los Angeles, California 90065 (323) 254-7799

1-22-1999 4:02PM

FROM AMERICAN_SCIPTFC_LABS 2132547799

P.9



AMERICAN SCIENTIFIC LABORATORIES, LLC

Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4478
 Project ID: 030603625.001.001
 Project Name: LBC Tank Removal

Page: 8

Report To: (MCLH)
 McLaren Hart
 16755 Von Karman Ave.
 Suite 200
 Irvine, CA 92606-4918

Site: 1601 San Francisco Ave.

Attn: J.R. Morabito

Phone: 949/756-2667

Method: [8015MOD/8020]
 Matrix: TPH as Gasoline/BETX & MTBE
 Units: Soil
 ug/kg

Lab ID: 30325
 Sample No: UT-W
 Date Sampled: 01/21/99
 Date Extracted: 01/21/99
 Date Analyzed: 01/21/99

Detection Limit

Benzene	ND	5
Ethylbenzene	ND	5
Toluene	ND	5
Xylenes (Total)	ND	10
MTBE	115	20
TPH as Gasoline	ND	1.0 (mg/Kg)

Quality Control Report

Lab ID: 30325

Surrogate %REC.
 Bromofluorobenzene 114

	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Benzene	105	104	< 1
Toluene	101	100	1

ND - Not Detected at The Detection Limit

1-22-1999 4:03PM

FROM AMERICAN SCIENTIFIC LABS 2132547795

P. 10



AMERICAN SCIENTIFIC LABORATORIES, LLC

Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4478
 Project ID: 030603625.001.001
 Project Name: LBC Tank Removal

Page: 9

Report To: (MCLH)
 McLaren Hart
 16755 Von Karman Ave.
 Suite 200
 Irvine, CA 92606-4918

Site: 1601 San Francisco Ave.

Attn: J.R. Morabito

Phone: 949/756-2667

Method: [8015MOD/8020]
 Matrix: TPH as Gasoline/BETX & MTBE
 Units: Soil
 ug/kg

Lab ID: 30326
 Sample No: DT-W
 Date Sampled: 01/21/99
 Date Extracted: 01/22/99
 Date Analyzed: 01/22/99

Detection
 Limit

Benzene	18	5
Ethylbenzene	450	5
Toluene	55	5
Xylenes (Total)	524	10
MTBE	195	20
TPH as Gasoline	43	1.0 (mg/Kg)

Quality Control Report

Lab ID: 30326

Surrogate %REC.
 Bromofluorobenzene

120

Spike
 %REC.

Spike DUP.
 %REC.

AVG.
 RPD

Benzene
 Toluene

115
 114

106
 103

8.1
 10.1

Comment to Sample(s)

30326: MTBE not included in TPH calculation.

ND - Not Detected at The Detection Limit

1-22-1999 4:03PM

FROM AMERICAN SCIENTIFIC LABS 2132547799

P. 11



AMERICAN SCIENTIFIC LABORATORIES, LLC

Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4478
 Project ID: 030603625.001.001
 Project Name: LBC Tank Removal

Page: 10

Report To: (MCLH)
 McLaren Hart
 16755 Von Karman Ave.
 Suite 200
 Irvine, CA 92606-4918

Site: 1601 San Francisco Ave.

Attn: J.R. Morabito

Phone: 949/756-2667

Method: [8015MOD/8020]
 Matrix: TPH as Gasoline/BETX & MTBE
 Units: Soil
 ug/kg
 Lab ID: 30327
 Sample No: UD-1
 Date Sampled: 01/21/99
 Date Extracted: 01/22/99
 Date Analyzed: 01/22/99

Detection
 Limit

Benzene	61	5
Ethylbenzene	186	5
Toluene	784	5
Xylenes (Total)	1660	10
MTBE	16100	20
TPH as Gasoline	12	1.0 (mg/kg)

Quality Control Report

Lab ID: 30327

Surrogate %REC.
 Bromofluorobenzene

119

	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Benzene	115	106	8.1
Toluene	114	103	10.1

Comment to Sample(s)

30327: MTBE not included in TPH calculation.

ND - Not Detected at The Detection Limit

1-22-1999 4:03PM

FROM: AMERICAN SCIENTIFIC LABS 2132547799

P. 12



AMERICAN SCIENTIFIC LABORATORIES, LLC

Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4478
 Project ID: 030603625.001.001
 Project Name: LBC Tank Removal

Page: 11

Report To: (MCLH)
 McLaren Hart
 16755 Von Karman Ave.
 Suite 200
 Irvine, CA 92606-4918

Site:
 1601 San Francisco Ave.

Attn: J.R. Morabito

Phone: 949/756-2667

Method: [8015MOD/8020]
 Matrix: TPH as Gasoline/BETX & MTBE
 Units: Soil
 ug/kg
 Lab ID: 30328
 Sample No: DP-1
 Date Sampled: 01/21/99
 Date Extracted: 01/21/99
 Date Analyzed: 01/21/99

Detection
 Limit

Benzene	ND	5
Ethylbenzene	ND	5
Toluene	ND	5
Xylenes (Total)	ND	10
MTBE	ND	20
TPH as Gasoline	ND	1.0 (mg/Kg)

Quality Control Report

Lab ID: 30328

Surrogate %REC.
 Bromofluorobenzene 114

	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Benzene	105	104	< 1
Toluene	101	100	1

ND - Not Detected at The Detection Limit

1-22-1999 4:04PM

FROM AMERICAN SCIENTIFIC LABS 2132547799

P. 13



AMERICAN SCIENTIFIC LABORATORIES, LLC

Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4478
 Project ID: 030603625.001.001
 Project Name: LBC Tank Removal

Page: 12

Report To: (MCLH) McLaren Hart
 16755 Von Karman Ave.
 Suite 200
 Irvine, CA 92606-4918

Site: 1601 San Francisco Ave.

Attn: J.R. Morabito Phone: 949/756-2667

Method: [8015MOD/8020]
 Matrix: TPH as Gasoline/BETX & MTBE
 Units: Soil
 ug/kg

Lab ID: 30329
 Sample No: SP-1
 Date Sampled: 01/21/99
 Date Extracted: 01/21/99
 Date Analyzed: 01/21/99

Detection Limit

Benzene	ND	5
Ethylbenzene	9	5
Toluene	ND	5
Xylenes (Total)	38	10
MTBE	80	20
TPH as Gasoline	3.2	1.0 (mg/Kg)

Quality Control Report

Lab ID: 30329

Surrogate %REC.
 Bromofluorobenzene 120

	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Benzene	105	104	< 1
Toluene	101	100	1

Comment to Sample(s)
 30329: MTBE not included in TPH calculation.

ND - Not Detected at The Detection Limit

1-22-1999 4:04PM

FROM AMERICAN_SCNTFC_LABS 2132547799

P. 14



AMERICAN SCIENTIFIC LABORATORIES, LLC

Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4478
 Project ID: 030603625.001.001
 Project Name: LBC Tank Removal

Page: 13

Report To: (MCLH)
 McLaren Hart
 16755 Von Karman Ave.
 Suite 200
 Irvine, CA 92606-4918

Site: 1601 San Francisco Ave.

Attn: J.R. Morabito

Phone: 949/756-2667

Method: [8015MOD/8020]
 Matrix: TPH as Gasoline/BETX & MTBE
 Units: Soil
 ug/kg

Lab ID: 30330
 Sample No: SP-2
 Date Sampled: 01/21/99
 Date Extracted: 01/21/99
 Date Analyzed: 01/22/99

Detection
 Limit

Benzene	ND	500
Ethylbenzene	311	500
Toluene	732	500
Xylenes (Total)	9300	1000
MTBE	3820	2000
TPH as Gasoline	300	100 (mg/Kg)

Quality Control Report

Lab ID: 30330

Surrogate %REC.
 Bromofluorobenzene 120

	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Benzene	115	16	8.1
Toluene	114	103	10.1

Comment to Sample(s)
 30330: MTBE not included in TPH calculation.

ND - Not Detected at The Detection Limit



**JOINT POWERS AGENCY
LONG BEACH/SIGNAL HILL**

Unified Program Agency



2525 Grand Avenue • Long Beach, California 90815 • (562) 570-4131

March 25, 1999

Mr. David McCarthy
Public Service Yard
1725 San Francisco Avenue
Long Beach, California 90813

Re: 1725 San Francisco Avenue, Long Beach

Dear Mr. McCarthy:

This letter confirms the completion of the removal of two (2) 10,000 gallon, one (1) 1,000 gallon and one (1) 500 gallon underground storage tank(s) formerly located at the above described location.

Based on the information in the above referenced file and with the provision that the information provided to this agency was accurate and representative of site conditions, no further action related to the underground storage tank removal is required.

This notice is issued pursuant to a regulation contained in Section 2721(e) of Title 23 of the California Code of Regulations.

Please contact me at 562/570-4128 if you have any questions regarding this matter.

Sincerely,

Jeff Benedict, R.E.H.S., M.P.A.
Hazardous Waste Operations Officer

cc: Long Beach Fire Prevention Bureau
McLaren Hart, Inc.

sat let

1,000 - Gallon Unused
Kerosene UST
(#3)

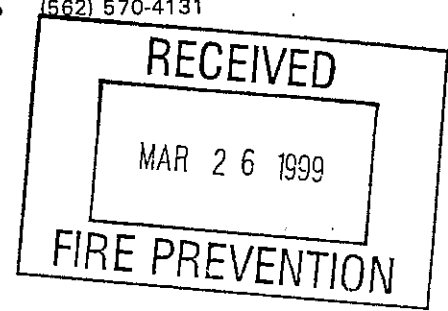


JOINT POWERS AGENCY
LONG BEACH/SIGNAL HILL



Unified Program Agency

2525 Grand Avenue • Long Beach, California 90815 • (562) 570-4131



March 25, 1999

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Public Service Yard
1725 San Francisco Avenue
Long Beach, California 90813

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Sincerely,

Jeff Benedict, R.E.H.S., M.P.A.
Hazardous Waste Operations Officer

cc: Long Beach Fire Prevention Bureau
McLaren Hart, Inc.

sat let

FACILITY ADDRESS 1725 SAN FRANCISCO OCC. CLASS _____
TYPE OF BUSINESS _____
OPERATOR/TENANT SUPERVISOR Bob NASA PHONE 432 8904
RES ADDRESS _____ PHONE _____
24-HR. EMERGENCY CONTACT PERSON _____ DAYS _____ PHONE _____

NIGHTS _____
TOTAL NO. OF EXISTING TANKS _____
(1) ABOVE GRND _____ (2) UNDER GRND _____ LAST / PRIOR INSTALLATION PERMIT NO _____
TOTAL CAP OF EXISTING TANKS _____
(1) ABOVE GRND _____ (2) UNDER GRND _____
(1) MONITORED YES _____ NO _____ (2) MONITORED YES _____ NO _____

NEW TANK INSTALLATION INFORMATION

INSTALLATION CONTRACTOR MARINE CONTRACTORS INC. CITY BUS LIC NO 880125
0469786
ADDRESS 17250 P.O. Box 517 FONTANA CA 92334 PHONE 714 823 7229

TANK(S) UL NO.	#1 <u>27606</u>	#2 _____	#3 _____	#4 _____
TANK CAPACITY	#1 <u>1000 -</u>	#2 _____	#3 _____	#4 _____
COMMODITY NAME	#1 <u>Kerosene</u>	#2 _____	#3 _____	#4 _____
HAZARD RATING	#1 _____	#2 _____	#3 _____	#4 _____
CAS NO.	#1 _____	#2 _____	#3 _____	#4 _____
TANK MFG.	#1 <u>Joan</u>	#2 _____	#3 _____	#4 _____
YEAR OF MFG	#1 <u>88</u>	#2 _____	#3 _____	#4 _____
THICKNESS OF PRIMARY TANK	#1 _____	#2 _____	#3 _____	#4 _____
TANK CONST. MATERIAL	#1 _____	#2 _____	#3 _____	#4 _____
TYPE OF TANK LINING	#1 _____	#2 _____	#3 _____	#4 _____
TYPE OF OUTER TANK COATING	#1 _____	#2 _____	#3 _____	#4 _____
ASSOC PIPING	#1 _____	#2 _____	#3 _____	#4 _____

ABOVE GRND _____ UNDER GRND _____ VAULTED _____
GRAVITY _____ PRESSURE _____ SUCTION _____
TYPE OF SECONDARY CONTAINMENT _____

TYPE OF MONITORING SYSTEM _____
TANK(S) RONAN Liquid
PIPING "

STORED PRODUCT TO BE USED IN CONNECTION WITH _____
I, THE UNDERSIGNED, HAVE READ COMPLETELY AND FULLY UNDERSTAND THE LONG BEACH FIRE DEPARTMENT REQUIREMENTS ON THE REVERSE SIDE WHICH APPLY TO THIS APPLICATION AND PERMIT. I, THE UNDERSIGNED, ATTEST TO THE BEST OF MY KNOWLEDGE, UNDER THE PENALTY OF PERJURY, THAT THE ABOVE PROVIDED INFORMATION IS TRUE AND CORRECT. I, THE UNDERSIGNED, ACCEPT THE CONDITION THAT ANY DEVIATION(S) FROM AND/OR MISINFORMATION ON THIS FORM WILL RENDER THIS APPLICATION AND PERMIT NULL AND VOID.

APPLICANT SIGNATURE Andy Neumann DATE July 11-88
PRINTED NAME ANDY NEUMANN TITLE PRES PHONE 714 823 7229
APPLICATION APPROVED _____ DENIED _____ BY Wayne Jensen DATE 7/19/88
LBFD Fire Prevention Official

INSTALLATION INSPECTIONS
TANK(S) 7/21/88 Wayne Jensen PIPING 8/11/88 Wayne Jensen
TANK LEAK DETEC. SYSTEM 8/22/88 Wayne Jensen PIPING LEAK DETEC. SYSTEM 8/22/88 Wayne Jensen
VENTING 8/11/88 Wayne Jensen VAPOR RECOVERY SYSTEM 8/11/88 Wayne Jensen
BUREAU OF FIRE PREVENTION

City of Long Beach
Parking Lot

City of Long Beach
Public Services
1725 160th St
Long Beach, CA 90801

FOSS ENVIRONMENTAL
Project No.

TITLE
Plot Plan / Tank #

SITE LOCATION
City of Long Beach

Public Services Division

SCALE: 1" = 20'

Drawn By: TSM

City of Long Beach
Traffic Signal Division
Building

City of Long Beach
Electrical Shop

Access Road

Dispenser

Vent Line

Tank #3
1,000 Gallon Solvent Tank

Chain-Link Fence

Chain-Link Fence

Flood Control Channel



UNDERGROUND STORAGE TANKS INSPECTION REPORT

925 Harbor Plaza, Suite 100
Phone (310) 570-2560

Long Beach, California 90802
Fax (310) 570-2566

NAME

ADDRESS

PHONE#

Site City of L.B. Pub Svc Yd 1725 San Francisco Ave. 90813

DATE 1/21/99

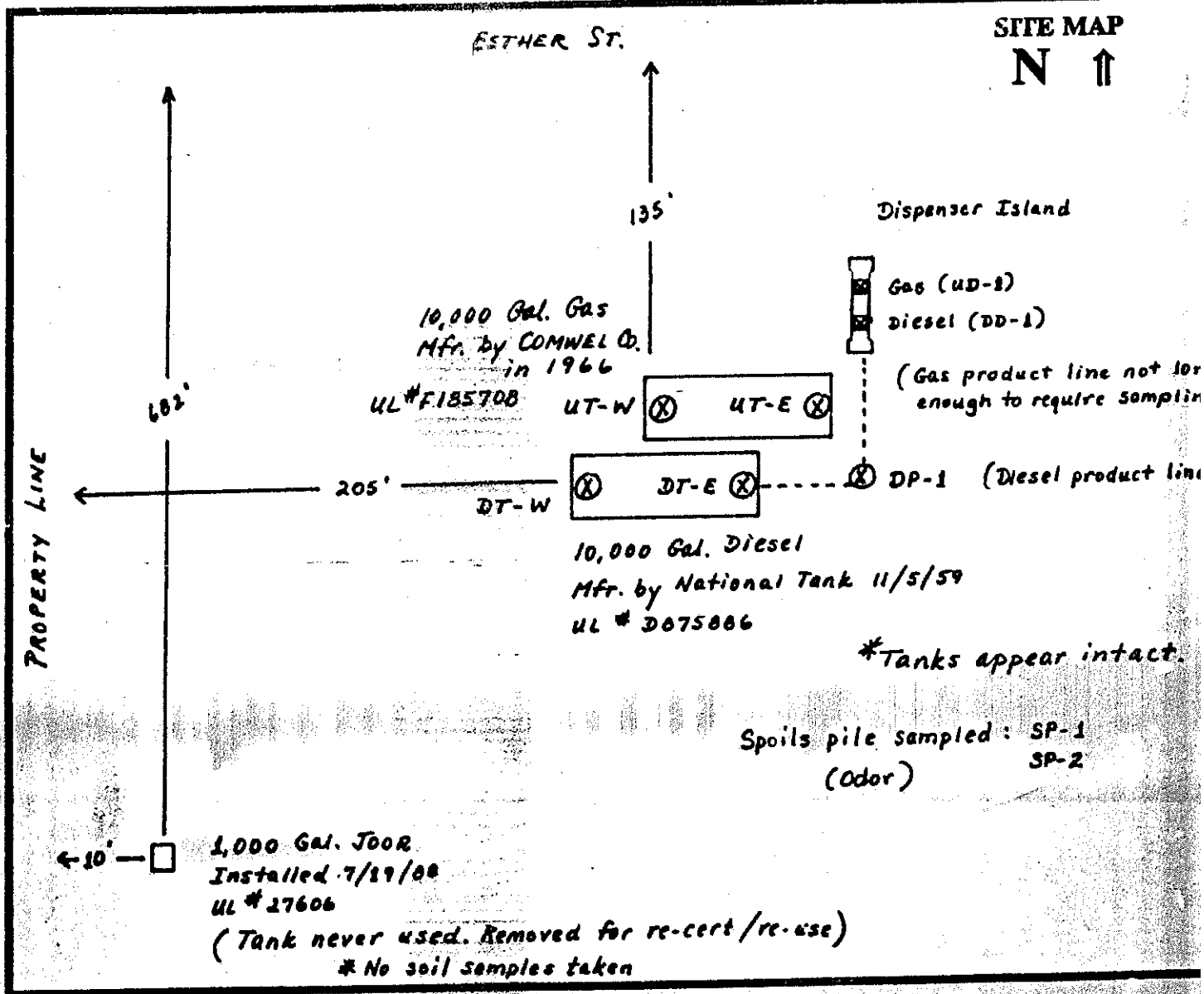
Owner City of L.B. Fleet Svcs 2801 E. Willow St. 90806 570-5410

Contractor Foss Env. Pier D, Berth 247 L.B. 90802 590-6706

PROJECT# 260704

Geologist John Haney (McLaren-Hart) 16755 Van Kerman Ave. Irvine 92606 (949) 756-2667

Lab ASL 3225 San Fernando Rd. Los Angeles 90065 (213) 254-7700 INSPECTOR W. Swenson



Remove 3 tank(s) per current Long Beach Fire Department and Long Beach Health Department guidelines. Soil sample analysis shall be submitted to both agencies within 14 days.

I have read and understand the above.

Signature

JOHN HANEY (949) 752-3225
Print name & phone #

McLAREN/HART
ASSOCIATE ENGINEER
Company and Title

GENERAL PROJECT INFORMATION

- A. SITE ADDRESS: 1601 San Francisco Ave. City Long Beach Zip 90802
1725
Assessors Parcel No. _____
- B. PROPERTY OWNER:
Company City of Long Beach - Fleet Services Contact DAVID McCARTY
Home Mailing Address 2801 E. Willow Street City Long Beach Zip 90802
Home Phone # (562) 570 - 5410
24 hr. Contact DAVID McCARTY Phone # (562) 570 - 5410
- C. TANK OPERATOR/OWNER:
Company City of Long Beach - Fleet Services Contact DAVID McCARTY
Home Mailing Address 2801 E. Willow Street City Long Beach Zip 90802
Home Phone # (562) 570 - 5410
24 hr. Contact DAVID McCARTY Phone # (562) 570 - 5410
- D. CONTRACTOR:
Primary Contractor FOSS ENVIRONMENTAL Contact JOHN R. WHITE
Mailing Address Pier D, Berth D47 City Long Beach Zip 90802
Phone # (562) 590 - 6706
State Contractor License & Type 716581 Class A, HAZ. Exp. Date 12/31/1999
Workers Compensation Insurance Co. Willis Corron Corp. Exp. Date 7/1/1999
City of Long Beach Business License # BU 93030990 Exp. Date 7/1/1999
- E. REMOVAL METHOD: Method #1-Hazardous _____ Method #2-Clean _____
- F. SOIL SAMPLING:
Name McLAREN - HART Phone # (949) 756 - 2667
Address 16755 Von Karman Ave. City IRVINE Zip 92606
Circle Applicable Title:
California Registered Civil Engineer; Certified Engineer Geologist; or Registered Geologist
Name - State Certified Laboratory ASL Phone # (213) 254 - 7700
Address 3225 San Fernando Rd. City Los Angeles Zip 90065

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD
UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM A

COMPLETE THIS FORM FOR EACH FACILITY/SITE



MARK ONLY ONE ITEM	☐ 1 NEW PERMIT	☐ 3 RENEWAL PERMIT	☒ 5 CHANGE OF INFORMATION	☐ 7 PERMANENTLY CLOSED SITE
	☐ 2. INTERIM PERMIT	☐ 4 AMENDED PERMIT	☐ 6 TEMPORARY SITE CLOSURE	

I. FACILITY/SITE INFORMATION & ADDRESS - (MUST BE COMPLETED)

NAME OR FACILITY NAME CITY OF LONG BEACH PUBLIC SERVICE MAINTENANCE YARD		NAME OF OPERATOR CITY OF LONG BEACH FLEET SERVICES	
ADDRESS 1601 SAN FRANCISCO AVE.		NEAREST CROSS STREET 15th Street	PARCEL # (OPTIONAL)
CITY NAME LONG BEACH	STATE CA	ZIP CODE 90802	SITE PHONE # WITH AREA CODE
☒ BOX TO INDICATE ☐ CORPORATION ☐ INDIVIDUAL ☐ PARTNERSHIP ☒ LOCAL AGENCY DISTRICTS ☐ COUNTY AGENCY ☐ STATE AGENCY ☐ FEDERAL AGENCY			
* If owner of UST is a public agency, complete the following: name of Supervisor of division, section, or office which operates the UST <u>DAVID MCCARTY - C&S Fleet Sv.</u>			
TYPE OF BUSINESS ☐ 1 GAS STATION ☐ 2 DISTRIBUTOR ☐ 3 FARM ☐ 4 PROCESSOR ☒ 5 OTHER		☐ IF INDIAN RESERVATION OR TRUST LAND	# OF TANKS AT SITE <u>85</u>
		E.P.A. I.D. # (optional) CAD981450687	

EMERGENCY CONTACT PERSON (PRIMARY)

EMERGENCY CONTACT PERSON (SECONDARY) - optional

DAYS: NAME (LAST, FIRST) MCCARTY, DAVID	PHONE # WITH AREA CODE 562-570-5410	DAYS: NAME (LAST, FIRST)	PHONE # WITH AREA CODE
NIGHTS: NAME (LAST, FIRST) MCCARTY, DAVID	PHONE # WITH AREA CODE 562-570-5410	NIGHTS: NAME (LAST, FIRST)	PHONE # WITH AREA CODE

II. PROPERTY OWNER INFORMATION - (MUST BE COMPLETED)

NAME CITY OF LONG BEACH		CARE OF ADDRESSEE'S INFORMATION	
MAILING OR STREET ADDRESS 333 W. OCEAN BLVD., PLAZA LEVEL		☒ BOX TO INDICATE ☐ INDIVIDUAL ☒ LOCAL AGENCY ☐ STATE AGENCY ☐ CORPORATION ☐ PARTNERSHIP ☐ COUNTY AGENCY ☐ FEDERAL AGENCY	
CITY NAME LONG BEACH	STATE CA	ZIP CODE 90802	PHONE # WITH AREA CODE 562-570-5410

III. TANK OWNER INFORMATION - (MUST BE COMPLETED)

NAME OF OWNER CITY OF LONG BEACH		CARE OF ADDRESS INFORMATION	
MAILING OR STREET ADDRESS 333 W. OCEAN BLVD., PLAZA LEVEL		☒ BOX TO INDICATE ☐ INDIVIDUAL ☒ LOCAL AGENCY ☐ STATE AGENCY ☐ CORPORATION ☐ PARTNERSHIP ☐ COUNTY AGENCY ☐ FEDERAL AGENCY	
CITY NAME LONG BEACH	STATE CA	ZIP CODE 90802	PHONE # WITH AREA CODE 562-570-5410

IV. BOARD OF EQUALIZATION UST STORAGE FEE ACCOUNT NUMBER - Call (916) 322-9669 if questions arise.

TY (TK) HQ 44-

V. PETROLEUM UST FINANCIAL RESPONSIBILITY - (MUST BE COMPLETED) - IDENTIFY THE METHOD(S) USED

☒ BOX TO INDICATE	☒ 1 SELF-INSURED	☐ 2 GUARANTEE	☐ 3 INSURANCE	☐ 4 SURETY BOND
	☐ 5 LETTER OF CREDIT	☐ 6 EXEMPTION	☐ 80 OTHER	

VI. LEGAL NOTIFICATION AND BILLING ADDRESS Legal notification and billing will be sent to the tank owner unless box I or II is checked.

CHECK ONE BOX INDICATING WHICH ABOVE ADDRESS SHOULD BE USED FOR LEGAL NOTIFICATIONS AND BILLING: I ☐ II ☒ III ☐

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

OWNER'S NAME (PRINTED & SIGNED) <u>John R. White</u>	OWNER'S TITLE <u>Project Manager</u>	DATE <u>1/5/99</u>
---	---	-----------------------

LOCAL AGENCY USE ONLY

COUNTY # <u>09</u>	JURISDICTION # <u>060</u>	FACILITY # <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u>
LOCATION CODE - OPTIONAL	CENSUS TRACT # - OPTIONAL	SUPERVISOR - DISTRICT CODE - OPTIONAL

THIS FORM MUST BE ACCOMPANIED BY AT LEAST (1) OR MORE PERMIT APPLICATION - FORM B, UNLESS THIS IS A CHANGE OF SITE INFORMATION ONLY
OWNER MUST FILE THIS FORM WITH THE LOCAL AGENCY IMPLEMENTING THE UNDERGROUND STORAGE TANK REGULATIONS

STATE WATER RESOURCES CONTROL BOARD
UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM B



COMPLETE A SEPARATE FORM FOR EACH TANK SYSTEM.

MARK ONLY ONE ITEM	☐ 1 NEW PERMIT	☐ 3 RENEWAL PERMIT	☐ 5 CHANGE OF INFORMATION	☐ 7 PERMANENTLY CLOSED ON SITE
	☐ 2 INTERIM PERMIT	☐ 4 AMENDED PERMIT	☐ 6 TEMPORARY TANK CLOSURE	☒ 8 TANK REMOVED

DBA OR FACILITY NAME WHERE TANK IS INSTALLED: CITY OF LONG BEACH - PUBLIC SERVICE MAINTENANCE YARD

I. TANK DESCRIPTION COMPLETE ALL ITEMS - SPECIFY IF UNKNOWN

A. OWNER'S TANK I.D. # <u>TANK #1 UL#F185708</u>	B. MANUFACTURED BY: <u>COMWEL CO.</u>
C. DATE INSTALLED (MO/DAY/YEAR) <u>1966</u>	D. TANK CAPACITY IN GALLONS: <u>10,000</u>

II. TANK CONTENTS IF A-1 IS MARKED, COMPLETE ITEM C.

A. ☒ 1 MOTOR VEHICLE FUEL	☐ 4 OIL	B. ☒ 1 PRODUCT	C. ☒ 1a REGULAR UNLEADED	☐ 3 DIESEL	☐ 6 AVIATION GAS
☐ 2 PETROLEUM	☐ 80 EMPTY	☐ 2 WASTE	☐ 1b PREMIUM UNLEADED	☐ 4 GASAHOL	☐ 7 METHANOL
☐ 3 CHEMICAL PRODUCT	☐ 85 UNKNOWN		☐ 2 LEADED	☐ 5 JET FUEL	☐ 99 OTHER (DESCRIBE IN ITEM D. BELOW)

D. IF (A.1) IS NOT MARKED, ENTER NAME OF SUBSTANCE STORED _____ C.A.S.#: _____

III. TANK CONSTRUCTION MARK ONE ITEM ONLY IN BOXES A, B, AND C, AND ALL THAT APPLIES IN BOX D AND E

A. TYPE OF SYSTEM	☐ 1 DOUBLE WALL	☐ 3 SINGLE WALL WITH EXTERIOR LINER	☐ 85 UNKNOWN
	☒ 2 SINGLE WALL	☐ 4 SECONDARY CONTAINMENT (VAULTED TANK)	☐ 86 OTHER _____
B. TANK MATERIAL (Primary Tank)	☒ 1 BARE STEEL	☐ 2 STAINLESS STEEL	☐ 3 FIBERGLASS
	☐ 5 CONCRETE	☐ 6 POLYVINYL CHLORIDE	☐ 7 ALUMINUM
	☐ 9 BRONZE	☐ 10 GALVANIZED STEEL	☐ 86 UNKNOWN
C. INTERIOR LINING	☐ 1 RUBBER LINING	☐ 2 ALUMINUM LINING	☐ 3 EPOXY LINING
	☐ 5 GLASS LINING	☐ 6 UNLINED	☐ 86 UNKNOWN
	IS LINING MATERIAL COMPATIBLE WITH 100% METHANOL? YES _____ NO _____		
D. CORROSION PROTECTION	☐ 1 POLYETHYLENE WRAP	☐ 2 COATING	☐ 3 VINYL WRAP
	☐ 5 CATHODIC PROTECTION	☐ 81 NONE	☐ 86 UNKNOWN
E. SPILL AND OVERFILL	SPILL CONTAINMENT INSTALLED (YEAR) _____		OVERFILL PREVENTION EQUIPMENT INSTALLED (YEAR) _____

IV. PIPING INFORMATION CIRCLE A IF ABOVE GROUND OR U IF UNDERGROUND, BOTH IF APPLICABLE

A. SYSTEM TYPE	A ☒ 1 SUCTION	A U ☐ 2 PRESSURE	A U ☐ 3 GRAVITY	A U ☐ 86 OTHER _____
B. CONSTRUCTION	A U ☐ 1 SINGLE WALL	A U ☐ 2 DOUBLE WALL	A U ☐ 3 LINED TRENCH	A U ☐ 86 UNKNOWN
C. MATERIAL AND CORROSION PROTECTION	A U ☐ 1 BARE STEEL	A U ☐ 2 STAINLESS STEEL	A U ☐ 3 POLYVINYL CHLORIDE (PVC)	A U ☐ 4 FIBERGLASS PIPE
	A U ☐ 5 ALUMINUM	A U ☐ 6 CONCRETE	A U ☐ 7 STEEL W/COATING	A U ☐ 8 100% METHANOL COMPATIBLE W/FRP
	A U ☐ 9 GALVANIZED STEEL	A U ☐ 10 CATHODIC PROTECTION	A U ☐ 86 UNKNOWN	A U ☐ 86 OTHER _____
D. LEAK DETECTION	☐ 1 AUTOMATIC LINE LEAK DETECTOR	☐ 2 LINE TIGHTNESS TESTING	☐ 3 INTERMITTENT MONITORING	☐ 86 OTHER _____

V. TANK LEAK DETECTION

☐ 1 VISUAL CHECK	☐ 2 INVENTORY RECONCILIATION	☐ 3 VAPOR MONITORING	☐ 4 AUTOMATIC TANK GAUGING	☐ 5 GROUND WATER MONITORING
☐ 6 TANK TESTING	☐ 7 INTERSTITIAL MONITORING	☐ 81 NONE	☐ 86 UNKNOWN	☐ 86 OTHER _____

VI. TANK CLOSURE INFORMATION

1. ESTIMATED DATE LAST USED (MO/DAY/YR) _____	2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING _____ GALLONS	3. WAS TANK FILLED WITH INERT MATERIAL? YES ☐ NO ☐
---	--	--

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

APPLICANT'S NAME (PRINTED & SIGNED) <u>John R. White Jr</u>	DATE <u>1/5/99</u>
---	--------------------

LOCAL AGENCY USE ONLY THE STATE I.D. NUMBER IS COMPOSED OF THE FOUR NUMBERS BELOW

STATE I.D.#	COUNTY # <u>17</u>	JURISDICTION # <u>000</u>	FACILITY # <u>0000</u>	TANK # <u>0000</u>
PERMIT NUMBER	PERMIT APPROVED BY/DATE	PERMIT EXPIRATION DATE		

THIS FORM MUST BE ACCOMPANIED BY A PERMIT APPLICATION - FORM A, UNLESS A CURRENT FORM A HAS BEEN FILED.
FILE THIS FORM WITH THE LOCAL AGENCY IMPLEMENTING THE UNDERGROUND STORAGE TANK REGULATIONS

STATE WATER RESOURCES CONTROL BOARD
UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM B



COMPLETE A SEPARATE FORM FOR EACH TANK SYSTEM.

MARK ONLY ONE ITEM	☐ 1 NEW PERMIT	☐ 3 RENEWAL PERMIT	☐ 6 CHANGE OF INFORMATION	☐ 7 PERMANENTLY CLOSED ON SITE
	☐ 2 INTERIM PERMIT	☐ 4 AMENDED PERMIT	☐ 8 TEMPORARY TANK CLOSURE	☒ 9 TANK REMOVED

DBA OR FACILITY NAME WHERE TANK IS INSTALLED: CITY OF LONG BEACH - PUBLIC SERVICE MAINTENANCE YARD

I. TANK DESCRIPTION COMPLETE ALL ITEMS - SPECIFY IF UNKNOWN

A. OWNER'S TANK I.D. # <u>TANK #2 UL# D875886</u>	B. MANUFACTURED BY: <u>National Tank & Manufacturing</u>
C. DATE INSTALLED (MO/DAY/YEAR) <u>11/5/59</u>	D. TANK CAPACITY IN GALLONS: <u>10,000</u>

II. TANK CONTENTS IF A-1 IS MARKED, COMPLETE ITEM C.

A. ☒ 1 MOTOR VEHICLE FUEL	☐ 4 OIL	B. ☒ 1 PRODUCT	C. ☐ 1a REGULAR UNLEADED	☒ 3 DIESEL	☐ 6 AVIATION GAS
☐ 2 PETROLEUM	☐ 80 EMPTY	☐ 2 WASTE	☐ 1b PREMIUM UNLEADED	☐ 4 GASOLINE	☐ 7 METHANOL
☐ 3 CHEMICAL PRODUCT	☐ 85 UNKNOWN		☐ 2 LEADED	☐ 5 JET FUEL	☐ 99 OTHER (DESCRIBE IN ITEM D. BELOW)

D. IF (A.1) IS NOT MARKED, ENTER NAME OF SUBSTANCE STORED _____ C.A.S. #:

III. TANK CONSTRUCTION MARK ONE ITEM ONLY IN BOXES A, B, AND C, AND ALL THAT APPLIES IN BOX D AND E

A. TYPE OF SYSTEM	☐ 1 DOUBLE WALL	☐ 3 SINGLE WALL WITH EXTERIOR LINER	☒ 5 UNKNOWN
	☒ 2 SINGLE WALL	☐ 4 SECONDARY CONTAINMENT (VAULTED TANK)	☐ 6 OTHER
B. TANK MATERIAL (Primary Tank)	☒ 1 BARE STEEL	☐ 2 STAINLESS STEEL	☐ 3 FIBERGLASS
	☐ 4 CONCRETE	☐ 6 POLYVINYL CHLORIDE	☐ 7 ALUMINUM
	☐ 8 BRONZE	☐ 10 GALVANIZED STEEL	☐ 11 UNKNOWN
C. INTERIOR LINING	☐ 1 RUBBER LINING	☐ 2 ALLOY LINING	☐ 3 EPOXY LINING
	☐ 4 GLASS LINING	☐ 6 UNLINED	☐ 7 PHENOLIC LINING
	IF LINING MATERIAL COMPATIBLE WITH 100% METHANOL? YES ☐ NO ☐		
D. CORROSION PROTECTION	☐ 1 POLYETHYLENE WRAP	☐ 2 COATING	☐ 3 VINYL WRAP
	☐ 4 CATHODIC PROTECTION	☐ 5 NONE	☐ 6 FIBERGLASS REINFORCED PLASTIC
	☐ 7 UNKNOWN ☐ 8 OTHER		
E. SPILL AND OVERFILL	SPILL CONTAINMENT INSTALLED (YEAR) _____		OVERFILL PREVENTION EQUIPMENT INSTALLED (YEAR) _____

IV. PIPING INFORMATION CIRCLE A IF ABOVE GROUND OR U IF UNDERGROUND, BOTH IF APPLICABLE

A. SYSTEM TYPE	A ☒ 1 SUCTION	A U ☐ 2 PRESSURE	A U ☐ 3 GRAVITY	A U ☐ 4 OTHER
B. CONSTRUCTION	A U ☐ 1 SINGLE WALL	A U ☐ 2 DOUBLE WALL	A U ☐ 3 LINED TRENCH	A U ☐ 4 UNKNOWN
C. MATERIAL AND CORROSION PROTECTION	A U ☐ 1 BARE STEEL	A U ☐ 2 STAINLESS STEEL	A U ☐ 3 POLYVINYL CHLORIDE (PVC)	A U ☐ 4 FIBERGLASS PIPE
	A U ☐ 5 ALUMINUM	A U ☐ 6 CONCRETE	A U ☐ 7 STEEL W/ COATING	A U ☐ 8 100% METHANOL COMPATIBLE WFRP
	A U ☐ 9 GALVANIZED STEEL	A U ☐ 10 CATHODIC PROTECTION	A U ☐ 11 UNKNOWN	A U ☐ 12 OTHER
D. LEAK DETECTION	☐ 1 AUTOMATIC LINE LEAK DETECTOR	☐ 2 LINE TIGHTNESS TESTING	☐ 3 UNKNOWN	☐ 4 OTHER

V. TANK LEAK DETECTION

☐ 1 VISUAL CHECK	☐ 2 INVENTORY RECONCILIATION	☐ 3 TROUBLE MONITORING	☐ 4 AUTOMATIC TANK GAUGING	☐ 5 GROUND WATER MONITORING
☐ 6 TANK TESTING	☐ 7 INTERMITTENT MONITORING	☐ 8 NONE	☐ 9 UNKNOWN	☐ 10 OTHER

VI. TANK CLOSURE INFORMATION

1. ESTIMATED DATE LAST USED (MO/DAY/YR) _____	2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING _____ GALLONS	3. WAS TANK FILLED WITH INERT MATERIAL? YES ☐ NO ☐
---	--	--

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

APPLICANT'S NAME (PRINTED & SIGNED)

John R. White

DATE

1/5/99

LOCAL AGENCY USE ONLY THE STATE I.D. NUMBER IS COMPOSED OF THE FOUR NUMBERS BELOW

STATE I.D. #	COUNTY # <u>17</u>	JURISDICTION # <u>080</u>	FACILITY # <u>0000</u>	TANK # <u>080002</u>
PERMIT NUMBER	PERMIT APPROVED OR DATE	PERMIT EXPIRATION DATE		

THIS FORM MUST BE ACCOMPANIED BY A PERMIT APPLICATION - FORM A, UNLESS A CURRENT FORM A HAS BEEN FILED.
FILE THIS FORM WITH THE LOCAL AGENCY IMPLEMENTING THE UNDERGROUND STORAGE TANK REGULATIONS

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD
UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM B



COMPLETE A SEPARATE FORM FOR EACH TANK SYSTEM

MARK ONLY ONE ITEM	☐ 1 NEW PERMIT	☐ 2 RENEWAL PERMIT	☐ 3 CHANGE OF INFORMATION	☐ 7 PERMANENTLY CLOSED ON SITE
	☐ 2 INTERIM PERMIT	☐ 4 AMENDED PERMIT	☐ 6 TEMPORARY TANK CLOSURE	☒ 8 TANK REMOVED

DSA OR FACILITY NAME WHERE TANK IS INSTALLED: CITY OF LONG BEACH - PUBLIC SERVICE MAINTENANCE YARD

I. TANK DESCRIPTION COMPLETE ALL ITEMS - SPECIFY IF UNKNOWN

A. OWNER'S TANK I.D. # <u>TANK # 3 UL # 27606</u>	B. MANUFACTURED BY: <u>Joor</u>
C. DATE INSTALLED (MO/DAY/YEAR) <u>7/19/88</u>	D. TANK CAPACITY IN GALLONS <u>1,000</u>

II. TANK CONTENTS

IF A-1 IS MARKED, COMPLETE ITEM C.

Tank never used (Originally meant for Solvent)

A. ☐ 1 MOTOR VEHICLE FUEL ☐ 2 PETROLEUM ☒ 3 CHEMICAL PRODUCT ☐ 4 OIL ☐ 50 EMPTY ☐ 55 UNKNOWN	B. ☒ 1 PRODUCT ☐ 2 WASTE	C. ☐ 1a REGULAR UNLEADED ☐ 1b PREMIUM UNLEADED ☐ 2 LEADED ☐ 3 DIESEL ☐ 4 GASAHOL ☐ 5 JET FUEL ☒ 6 OTHER (DESCRIBE IN ITEM D. BELOW) <u>UNKNOWN (RECEIVED)</u>	☐ 6 AMATION GAS ☐ 7 METHANOL
D. IF (A.1) IS NOT MARKED, ENTER NAME OF SUBSTANCE STORED <u>UNKNOWN (RECEIVED)</u>			

III. TANK CONSTRUCTION

MARK ONE ITEM ONLY IN BOXES A, B, AND C, AND ALL THAT APPLIES IN BOX D AND E

A. TYPE OF SYSTEM ☒ 1 DOUBLE WALL ☒ 2 SINGLE WALL ☐ 3 SINGLE WALL WITH EXTERIOR LINER ☐ 4 SECONDARY CONTAINMENT (VAULTED TANK) ☐ 55 UNKNOWN ☐ 56 OTHER	B. TANK MATERIAL (Primary Tank) ☒ 1 BARE STEEL ☐ 2 STAINLESS STEEL ☐ 3 FIBERGLASS ☐ 4 STEEL CLAD W/ FIBERGLASS REINFORCED PLASTIC ☐ 5 CONCRETE ☐ 6 POLYVINYL CHLORIDE ☐ 7 ALUMINUM ☐ 8 100% METHANOL COMPATIBLE WRAP ☐ 9 BRONZE ☐ 10 GALVANIZED STEEL ☐ 55 UNKNOWN ☐ 56 OTHER	C. INTERIOR LINING ☐ 1 RUBBER LINED ☐ 2 ALLOY LINED ☐ 3 EPOXY LINED ☐ 4 PHENOLIC LINED ☐ 5 GLASS LINED ☐ 6 UNLINED ☐ 55 UNKNOWN ☐ 56 OTHER IS LINING MATERIAL COMPATIBLE WITH 100% METHANOL? YES ☐ NO ☐	D. CORROSION PROTECTION ☐ 1 POLYETHYLENE WRAP ☐ 2 COATING ☐ 3 VINYL WRAP ☐ 4 FIBERGLASS REINFORCED PLASTIC ☐ 5 CATHODIC PROTECTION ☐ 6 NONE ☐ 55 UNKNOWN ☐ 56 OTHER	E. SPILL AND OVERFILL SPILL CONTAINMENT INSTALLED (YEAR) _____ OVERFILL PREVENTION EQUIPMENT INSTALLED (YEAR) _____
--	--	--	---	--

IV. PIPING INFORMATION

CIRCLE A IF ABOVE GROUND OR U IF UNDERGROUND, BOTH IF APPLICABLE

A. SYSTEM TYPE A U 1 SUCTION A U 2 PRESSURE A U 3 GRAVITY A U 55 OTHER	B. CONSTRUCTION A U 1 SINGLE WALL A U 2 DOUBLE WALL A U 3 LINED TRENCH A U 55 UNKNOWN A U 56 OTHER	C. MATERIAL AND CORROSION PROTECTION A U 1 BARE STEEL A U 2 STAINLESS STEEL A U 3 POLYVINYL CHLORIDE (PVC) A U 4 FIBERGLASS PIPE A U 5 ALUMINUM A U 6 CONCRETE A U 7 STEEL W/ COATING A U 8 100% METHANOL COMPATIBLE WRAP A U 9 GALVANIZED STEEL A U 10 CATHODIC PROTECTION A U 55 UNKNOWN A U 56 OTHER	D. LEAK DETECTION ☐ 1 AUTOMATIC LINE LEAK DETECTION ☐ 2 LINE TIGHTNESS TESTING ☐ 3 HYDROSTATIC TESTING ☐ 55 OTHER
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V. TANK LEAK DETECTION

☐ 1 VISUAL CHECK ☐ 2 TANK TESTING ☐ 3 INVENTORY RECONCILIATION ☐ 4 INTERSTITIAL MONITORING ☐ 5 NONE ☐ 55 UNKNOWN ☐ 56 OTHER	☐ 2 TROUBLE MONITORING ☐ 4 AUTOMATIC TANK GAUGING ☐ 5 GROUND WATER MONITORING
--	--

VI. TANK CLOSURE INFORMATION

1. ESTIMATED DATE LAST USED (MO/DAY/YR)	2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING _____ GALLONS	3. WAS TANK FILLED WITH INERT MATERIAL? YES ☐ NO ☐
---	--	--

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

APPLICANT'S NAME
(PRINTED & SIGNED)

John R. White

DATE

1/5/99

LOCAL AGENCY USE ONLY

THE STATE I.D. NUMBER IS COMPOSED OF THE FOUR NUMBERS BELOW

STATE I.D. #	COUNTY #	JURISDICTION #	FACILITY #	TANK #
	<u>11</u>	<u>060</u>	<u>0000</u>	<u>000003</u>
PERMIT NUMBER	PERMIT APPROVED SIGNATURE	PERMIT EXPIRATION DATE		

THIS FORM MUST BE ACCOMPANIED BY A PERMIT APPLICATION - FORM A, UNLESS A CURRENT FORM A HAS BEEN FILED.

FILE THIS FORM WITH THE LOCAL AGENCY IMPLEMENTING THE UNDERGROUND STORAGE TANK REGULATIONS

500 - Gallon Kerosene
UST (#4)

BUREAU OF FIRE PREVENTION
DEPARTMENT OF FIRE • 400 WEST BRADWAY • LONG BEACH, CA 90802

APPLICATION AND PERMIT TO REMOVE OR ABANDON STORAGE TANK(S)

ANY TANK(S) USED FOR THE STORAGE OF ANY HAZARDOUS AND/OR FLAMMABLE LIQUIDS

NOTRA-000432

ACCT. NO.

what size
TANK

PROPERTY OWNER CITY OF LONG BEACH

PHONE 213-590-6361

ADDRESS 333 OCEAN BLVD LONG BEACH

FACILITY NAME CITY YARD

PHONE

FACILITY ADDRESS 1725 SAN FRANCISCO Bob NASH

TYPE OF BUSINESS

OCC. CLASS

OPERATOR/TENANT/SUPERVISOR CITY OF LONG BEACH

RES. PHONE

RES. ADDRESS

TOTAL NO. OF EXISTING TANKS

ABOVE GRND UNDER GRND ①

LAST/PRIOR INSTALLATION PERMIT NO. N/A

NO. OF TANKS TO BE REMOVED/ABANDONED

ABOVE GRND UNDER GRND ①

TANK CONST. MATERIAL STEEL

NAME OF CONTRACTOR MARINE CONTRACTORS

CITY BUS. LIC. NO. 880125

ADDRESS P.O. BOX 517 FONTANA CALIF. 92334-0517 CONTRACTORS LIC # 465796 CLASS 4

PHONE 714-823-7229

This application and permit is for the removal ☒ abandonment of tank(s) identified on this form, and shall only be valid and in force for a maximum of ten (10) working days from date of application.

Permittee or his authorized agent shall notify the Hazardous Materials Unit, Long Beach Health Department, Phone No. (213) 427-7421 and Bureau of Fire Prevention, Long Beach Fire Department, Phone No. (213) 435-2458 a minimum of 72 hours prior to the removal or filling of any tank(s). An official from each of these two departments shall be present at the job site to witness the removal or filling of any and all tanks. All directions made/given by these City officials shall be complied within a timely and reasonable fashion.

When any underground storage tank(s) is/are removed from the ground, the resulting excavated site shall be secured in an approved manner until filled. Any excavation shall be temporarily backfilled or enclosed by a fence with a minimum height of six (6) feet. If the foregoing security measures are not feasible, a security guard shall be provided, until the completion of the permit, by the permittee and at the expense of the permittee. The structural integrity of the tank(s) shall be maintained during removal and transport. Tank(s) removed from the ground are not permitted to remain at the site or within the City limits overnight. No temporary or permanent storage of any used hazardous or flammable liquids/materials storage tank(s) is/are permitted within the City limits of Long Beach.

The removal or filling of any tank(s) shall be in accordance with Long Beach Municipal Code, Title 18.48; California State Health and Safety Code, Division 20, Chapter 6.5; the Uniform Fire Code, Articles 79 and 80; and LBFD Fire Prevention Requirements, the 14 series.

I, THE UNDERSIGNED, HAVE READ COMPLETELY AND FULLY UNDERSTAND THE ABOVE LONG BEACH FIRE DEPARTMENT REQUIREMENTS WHICH APPLY TO THIS APPLICATION AND PERMIT. I, THE UNDERSIGNED, ATTEST TO THE BEST OF MY KNOWLEDGE, UNDER THE PENALTY OF PERJURY, THAT THE ABOVE PROVIDED INFORMATION IS TRUE AND CORRECT. I, THE UNDERSIGNED, ACCEPT THE CONDITION THAT ANY DEVIATION(S) FROM AND/OR MISINFORMATION ON THIS FORM WILL RENDER THIS APPLICATION AND PERMIT NULL AND VOID.

APPLICANT SIGNATURE [Signature]

DATE 6-30-88

PRINTED NAME VICTOR S. CUEN

TITLE Supt.

PHONE 714-823-7229

APPLICATION APPROVED ☒ DENIED

BY

[Signature]

DATE 7-5-88

LBFD Fire Prevention Official

FOR FIRE DEPARTMENT USE ONLY

TANK(S) UL NO

#1

#2

#3

#4

TANK CAPACITY

#1

#2

#3

#4

FINAL INSPECTION BY

LBFD Fire Prevention Official witnessing tank removal or filling

COPY DISTRIBUTION

WHITE: LBFD Bureau of Fire Prevention

GREEN: LBHD Hazardous Materials Unit

CANARY: extra copy

PINK: applicant's copy

GOLDENROD: property owner's copy

FR-29 (8/1/85)

TYPE OR USE BLACK INK ONLY

RECEIVED
JUL 01 1988
BUREAU OF FIRE PREVENTION

CITY OF LONG BEACH — DEPARTMENT OF FIRE

BUREAU OF FIRE PREVENTION

Phone: 435-2458

INSPECTION NOTICE

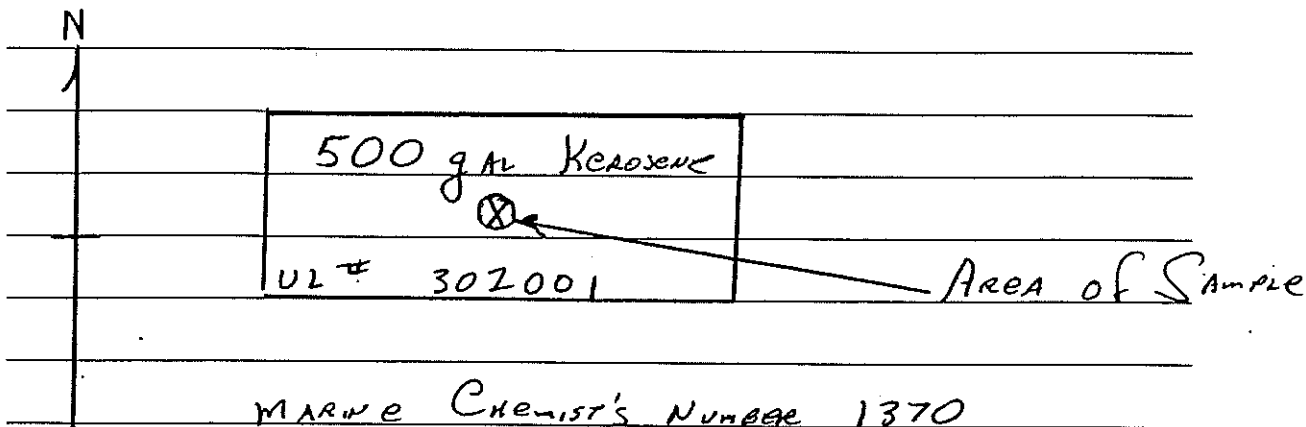
Date 7-6-88

NAME SAN FRANCISCO YARD (City of Long Beach)

ADDRESS 1725 San Francisco Ave.

In accordance with the provisions of LBMC 18.48.010 an inspection of the above premises has been made; the following corrections are necessary to provide reasonable fire safety:

- Item # Remove one underground storage tank
and take a soil sample as indicated at a
 Item # depth of 3' to 5' beneath tank. Test for contents
and provide L.B. Health and L.B. Fire Prevention
 Item # with final soil analysis.



MARINE CONTRACTORS

PINK HANDOUT ISSUED ☐

X
Rec'd

☐

1st NOTICE

☐

FINAL NOTICE

The above must be complied with within _____ days to avoid subsequent action.

Wayne Swenson
INSPECTOR NAME (PRINT)

FP
STA/SHIFT

BACTERIOLOGY
WATER TESTING
HAZARDOUS WASTE TESTING
CALIF. DHS CERTIFIED
PHONE (714) 684-1881
LABORATORIES
3215 CHICAGO AVE.

ESTABLISHED 1906

EDWARD S. BABCOCK & SONS, INC.

P.O. BOX 432
RIVERSIDE, CALIFORNIA 92502



07/14/88

To: Marine Contractors
P.O. Box 517
Fontana, CA 92334
823-7229
Attn: Andy

Lab No. 880707-375
Invoice No. 92014

Submitted Sampled

Sample Marked: City Yard 1725 San Francisco
Soil

By Victor AN
Date 7/7/88 7/6
Time 1120 1315

PARAMETER

RESULT

EPA Method 418.1
soil extention
Total Petroleum
Hydrocarbons

16000 ug/g

Date Completed: 7/11

cc: Long Beach Health Dept.

EDWARD S. BABCOCK & SONS, INC.

Allison Mackenzie

1725

6-30-88
Date

1 VICTOR S. CHEN of
Contractor or Assigned Agent
MARINE CONTRACTOR.
Contracting Company

State Contractor's Lic.# 469796 Type: CLASS "A"

Expiration Date: _____

Have been assigned to obtain necessary permits and regulations for the
Removal of Underground Tank(s) located at 1725 San Francisco Long Beach
Address of Site

I have received copies of Long Beach Fire Prevention Requirement
#14.103(12/87) and Long Beach Health Department Soil/Groundwater
Laboratory Analysis Requirement, and Long Beach Health Department
Laboratory Quality Control Report.

I also understand that I must have an APPROVED COPY of the "Application
and Permit to Remove or Abandon Storage Tank(s) PRIOR to removing tank.

Permittee or his authorized agent shall notify the Underground Storage
Unit, Bureau of Fire Prevention, Phone (213) 435-2458 a minimum of 72
hours prior to the start of any work for the removal of a tank, for an
appointment to have a Fire Prevention Inspector on site.

NOTE: ABSOLUTELY NO COMMENCEMENT OF WORK ON SITE UNTIL TANKS HAVE BEEN
"ICED" IN THE PRESENCE OF A L.B.F.D. INSPECTOR.

It will be necessary to obtain appropriate samples from underneath
tank(s) immediately upon removal of tank. Contact Mr. Dick Smith,
Hazardous Waste Officer, Long Beach Health Department, Phone (213)
427-7421 if you have any questions.

I certify that I have read and understand the preceding information, and
have received the requirements mentioned above. This information will
be given to actual persons performing tank removal PRIOR to start of
work, and a copy of each requirement/permit/report must be on the job
site.

NOTE: As per Long Beach Fire Department Fee Schedule PC-12, if the
above requirements are not met when the Fire Prevention Officer arrives
on the scene for the tank removal, you will be required to reschedule
the appointment and pay a \$100.00 reinspection fee.

[Signature]
Signature of Applicant

Rev. 12/3/87

PHONE 684-1881
AREA CODE 714

EDWARD S. BABCOCK & SONS, INC.

P. O. BOX 432
RIVERSIDE, CALIFORNIA 92502

AGRICULTURAL CONSULTANTS
CHEMISTS
APPROVED WATER LABORATORY



MEMORANDUM

DATE August 10, 1988

TO Marine Contractors
P.O. Box 517
Fontana, CA 92334

FROM Lawrence J. Chrystal

RE Long Beach City Yard
Soil Analyses

The soil samples brought to our laboratories on July 7, 1988 were analyzed for Total Petroleum Hydrocarbons using EPA Method 418.1 (modified for soils) with the following results:

City Yard #1	2901 Willow St. 2ft South End	110,000 ug/g
City Yard #2	2901 Willow St. 2ft North End	17,000 ug/g
City Yard	1725 San Francisco	16,000 ug/g

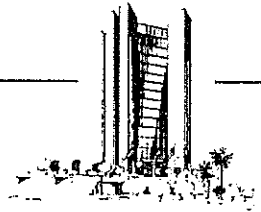
These samples were re-analyzed on a separate day in order to confirm the original results. The rechecks did confirm. All the calculations were double-checked. There were no transcription errors. Therefore, we have NO changes to make in the original reporting of the results.

Lawrence J. Chrystal

cc:Long Beach Health Dept. Attn:Dick Smith



MEMORANDUM



date August 30, 1988
to Richard E. Smith, Hazardous Waste Officer
from Edward T. Putz, Acting City Engineer *EP*
subject LEAKING TANK/SITE CHARACTERIZATION - 1725 SAN FRANCISCO AVENUE

This is in response to your request to submit an application for a Site Characterization Permit and initiate a site characterization report for the subject site.

It is our understanding that the total San Francisco Avenue site is currently under investigation for further redevelopment. Unless further directed by your Department we will wait until a final decision has been made to make a site assessment on the complete parcel.

WJP/ARA/ch
26.11

MEMORANDUM

date October 24, 1988

to Ed Putz, Acting City Engineer

from Richard E. Smith, Hazardous Waste Operations Officer

subject CONTAMINATED SITE/SITE CHARACTERIZATION: 1725 SAN FRANCISCO

The Long Beach City Health Department has received the result of the soil analysis indicating that a discharge of a hazardous waste has occurred at the above referenced location.

In order to comply with the State of California Hazardous Waste Control Act and the Long Beach City Ordinance for Hazardous Materials Cleanup, it is required that you submit an application for a Site Characterization Permit and an Initial Site Characterization Report.

The purpose of the Site Characterization includes:

1. Identifying the discharged waste.
2. Defining the horizontal and vertical extent of the contamination.
3. Determining if the groundwater or surface waters have been impaired.
4. The report must be signed by a California Registered Geologist or a California Certified Engineering Geologist, or a California Registered Civil Engineer with sufficient experience in soils.

A minimum of three borings, taken below or next to the underground tank or the area previously occupied by the underground tank, shall be used for soil sampling to check for lateral as well as vertical movement of contaminants in the soil. Additional borings may be necessary in some cases. The borings shall extend through the entire depth of contaminated soil. All abandoned boreholes shall be sealed with appropriate grout formulations.

Soil samples should be taken from the borings at consistent intervals of five feet to develop a complete profile of the soil contamination. If a dissimilar layer of soil is found to exist entirely between the five feet sampling intervals, a sample from this layer shall be taken and analyzed.

October 24, 1988
Ed Putz, Acting City Engineer
Page Two

When ground water is shallow enough to be reached using available equipment (i.e., less than 30 feet), it is appropriate to install ground water (monitoring) wells.

I have enclosed a permit application, application information and a copy of the Site Characterization/Site Remediation Ordinance. There is no permit fee, however, you will be billed by the City of Long Beach at a rate of \$42.00 per hour for Health Department Personnel time involved with this project until the cleanup has been completed.

The permit application process is to be completed by November 21, 1988.

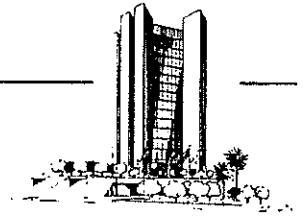
After a site has been characterized the next phase is site remediation or cleanup. A permit will be required for this also.

You should also be aware of the South Coast Air Quality Management District's Rule 1166, regarding volatile organic compound (VOC) emissions from contaminated soil. If you are going to treat or handle VOC - contaminated soil, you must notify the South Coast Air Quality Management District Executive Officer by telephone within 24 hours of detection of the VOC - contaminated soil and comply with their requirements.

If any further information is required, please contact Suzanne Gandy at (213) 427-7421, Environmental Health between the hours of 8 a.m. and 9:00 a.m. or 4:00 p.m. and 5:00 p.m.

RS/da

MEMORANDUM



date November 29, 1988
to Richard E. Smith, Hazardous Waste Officer
from Edward T. Putz, Acting City Engineer *ef*
subject LEAKING TANK/SITE CHARACTERIZATION - 1725 SAN FRANCISCO AVENUE

This is in response to your request to submit an application for a Site Characterization Permit and initiate a site characterization report for the subject site.

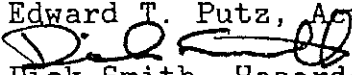
Please be advised that the subject fuel tank is in the close proximity of two other tanks which are scheduled to be replaced in the very near future (See attached aerial photograph). It is our understanding that the site characterization shall be initiated on the complete parcel after the other two tanks are removed.

WJP/ARA/ch
26.11





MEMORANDUM

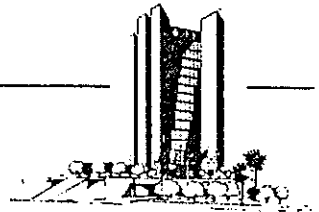
date December 12, 1988
to Edward T. Putz, Acting City Engineer
from  Dick Smith, Hazardous Waste Operations Officer
subject LEAKING UNDERGROUND STORAGE TANK SITE CHARACTERIZATION
1725 SAN FRANCISCO AVENUE, LONG BEACH

I have received your memorandum regarding the above referenced subject stating that Site Characterization will be initiated when the remaining two(2) tanks are removed.

This is acceptable to this department, therefore we will consider the matter pending until the removal of the two(2) tanks.

RS/da

M. MORANDUM



date November 9, 1990
to Ed Putz, City Engineer, Department of Public Works
from Richard E. Smith, Hazardous Waste Operations Officer, Department of Health and Human Services
subject **1725 SAN FRANCISCO AVENUE**

A review of the Long Beach City Department of Health and Human Services Leaking Underground Storage Tank file for the above referenced facility reveals that there has been no assessment or remedial activity since November 29, 1988.

In order to keep our file up to date, would you contact the individual designated in the last paragraph of this letter and inform her of your intentions to complete the required work.

Please contact Cheryl Sandel, Hazardous Materials Specialist I by December 5, 1990, at (213) 427-7421, any weekday between the hours of 8:00 a.m. to 9:00 a.m. or 4:00 p.m. to 5:00 p.m.

RS/da

cc: Long Beach Fire Prevention Bureau

CITY OF LONG BEACH
ENVIRONMENTAL HEALTH

1. Situs Address: 1125 SAN FRANCISCO
2. DBA: CITY YARD
3. Owner/Responsible Name: CITY OF LONG BEACH - ED PUTZ
4. Owner/Responsible Address: 333 OCEAN BLVD.
LONG BEACH CA.

5. Number of Tanks 1

6. Tank Information:	Size(gal.)	Contents
	500	KEROSENE

7. Tanks Removed: yes/no 8. Soils Analyses Received: (date) 7/88

9. Characterization Required? yes/no
PENDING

10. Site Characterization letter sent Date: 10/24/88

11. Site Characterization permit application received Date: _____

12. Site Characterization permit issued Date: _____

13. Site Characterization billing done Date: _____

14. Site Remediation letter sent Date: _____

15. Site Remediation permit application received Date: _____

16. D.O.H.S. facility permit/variance issued Date: _____

17. S.C.A.Q.M.D. permit/variance issued Date: _____

18. Site Remediation permit issued Date: _____

19. Site Remediation billing done Date: _____

20. File closed/no further action required *edk* Date: 03-25-99

21. Referred to L.A.R.W.Q.C.B. Date: _____

22. Referred to City Prosecutor Date: _____

23. Consultant(s) MARINE CONTRACTORS

24. Lab EDWARD S. BARBOUR & SONS, INC.

Notes: Based on present closure guidance for low risk fuel contamination site fact sheet issued by the California Regional WQCB, Los Angeles Region, this site is low risk therefore no further action.

is required

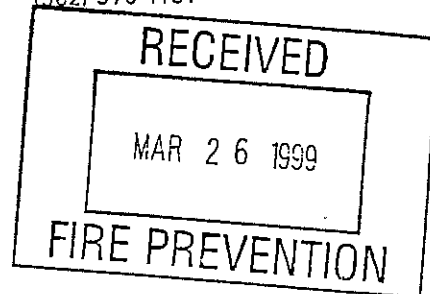


JOINT POWERS AGENCY
LONG BEACH/SIGNAL HILL



Unified Program Agency

2525 Grand Avenue • Long Beach, California 90815 • (562) 570-4131



March 25, 1999

Mr. David McCarthy
Public Service Yard
1725 San Francisco Avenue
Long Beach, California 90813

Re: 1725 San Francisco Avenue, Long Beach

Dear Mr. McCarthy:

This letter confirms the completion of the removal of two (2) 10,000 gallon, one (1) 1,000 gallon and one (1) 500 gallon underground storage tank(s) formerly located at the above described location.

Based on the information in the above referenced file and with the provision that the information provided to this agency was accurate and representative of site conditions, no further action related to the underground storage tank removal is required.

This notice is issued pursuant to a regulation contained in Section 2721(e) of Title 23 of the California Code of Regulations.

Please contact me at 562/570-4128 if you have any questions regarding this matter.

Sincerely,

Jeff Benedict, R.E.H.S., M.P.A.
Hazardous Waste Operations Officer

cc: Long Beach Fire Prevention Bureau
McLaren Hart, Inc.

sat let

550-Gallon Gasoline
UST (#5)

PROJECT # 194914
(Dept. Use Only)DATE 6/26/95TYPE OF PLANS: (Put an X in front) PLEASE PRINT

☐ Building/New Construction (BNC) ☐ Building/Tenant Improvement (BTI)
☐ Sprinkler/New Construction (SPNC) ☐ Sprinkler/Tenant Improvement (SPTI)
☐ Fire Alarm (FA) ☐ Spray Booth (SB) Number of Sprinkler Heads _____
☐ Dry Chemical (DC) ☐ Halon (H)
☐ Above Ground Tanks (AGT) ☒ Underground Tanks (UT)
 Other: _____ (MISC)

City of Long Beach Towing Operation **-REMOVAL-**
 PROJECT NAME

901 W ANAHEIM ST LONG BEACH
 PROJECT ADDRESS CITY

UST Removal
 DESCRIPTION OF WORK

MANESS ENVIRONMENTAL 310-595-4555 310 492-6495
 APPLICANT/CONTRACTOR PHONE # FAX #

1101 E Spring St LB CA 90806
 ADDRESS CITY STATE ZIP CODE

553633 AB HAY 1-31-95
 STATE LIC. NO. CLASS EXPIRATION DATE

B69600630 10-1-95
 CITY BUS. LIC. NO. EXPIRATION DATE

City of Long Beach Towing Operation
 CURRENT BUILDING USE PROPOSED BUILDING USE

OCCUPANCY SQUARE FOOTAGE TYPE OF CONSTRUCTION

WORKER'S COMPENSATION INSURANCE:

COVERED ☒ NOT COVERED ☐ IF NOT COVERED EXPLAIN _____

 (Fire Prevention Office Use Only)

Plan Review Checked By: [Signature] Date 7-20-95

Plan Review Fees: _____

Approved Date: _____

Status Information: _____

Dan



STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD
UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM A



COMPLETE THIS FORM FOR EACH FACILITY/SITE

MARK ONLY ONE ITEM ☐ 1 NEW PERMIT ☐ 3 RENEWAL PERMIT ☐ 5 CHANGE OF INFORMATION ☐ 7 PERMANENTLY CLOSED SITE
☐ 2 INTERIM PERMIT ☐ 4 AMENDED PERMIT ☐ 6 TEMPORARY SITE CLOSURE

I. FACILITY/SITE INFORMATION & ADDRESS - (MUST BE COMPLETED)

DBA OR FACILITY NAME <u>City of Long Beach Towing operation</u>		NAME OF OPERATOR	
ADDRESS <u>901 W Anaheim</u>		NEAREST CROSS STREET	PARCEL # (OPTIONAL)
CITY NAME <u>Long Beach</u>		STATE <u>CA</u>	ZIP CODE
SITE PHONE # WITH AREA CODE			
☒ BOX TO INDICATE ☐ CORPORATION ☐ INDIVIDUAL ☐ PARTNERSHIP ☐ LOCAL AGENCY DISTRICTS ☐ COUNTY AGENCY ☐ STATE AGENCY ☐ FEDERAL AGENCY			
* If owner of UST is a public agency, complete the following: name of Supervisor of division, section, or office which operates the UST			
TYPE OF BUSINESS ☐ 1 GAS STATION ☐ 2 DISTRIBUTOR ☐ 3 FARM ☐ 4 PROCESSOR ☒ 5 OTHER		☐ IF INDIAN RESERVATION OR TRUST LANDS	# OF TANKS AT SITE <u>1</u>
		E. P. A. I. D. # (optional)	<u>092000086247</u>

EMERGENCY CONTACT PERSON (PRIMARY)

DAYS: NAME (LAST, FIRST)	PHONE # WITH AREA CODE	EMERGENCY CONTACT PERSON (SECONDARY) - optional	
NIGHTS: NAME (LAST, FIRST)	PHONE # WITH AREA CODE	DAYS: NAME (LAST, FIRST)	PHONE # WITH AREA CODE
		NIGHTS: NAME (LAST, FIRST)	PHONE # WITH AREA CODE

II. PROPERTY OWNER INFORMATION - (MUST BE COMPLETED)

NAME <u>City of Long Beach</u>	CARE OF ADDRESS INFORMATION
MAILING OR STREET ADDRESS <u>333 Ocean Blvd</u>	☒ box to indicate ☐ INDIVIDUAL ☒ LOCAL AGENCY ☐ STATE AGENCY
CITY NAME <u>Long Beach</u>	☐ CORPORATION ☐ PARTNERSHIP ☐ COUNTY AGENCY ☐ FEDERAL AGENCY
STATE <u>CA</u>	ZIP CODE <u>90802</u>
PHONE # WITH AREA CODE	

III. TANK OWNER INFORMATION - (MUST BE COMPLETED)

NAME OF OWNER <u>City of Long Beach</u>	CARE OF ADDRESS INFORMATION
MAILING OR STREET ADDRESS <u>333 Ocean Blvd</u>	☒ box to indicate ☐ INDIVIDUAL ☐ LOCAL AGENCY ☐ STATE AGENCY
CITY NAME <u>Long Beach</u>	☐ CORPORATION ☐ PARTNERSHIP ☐ COUNTY AGENCY ☐ FEDERAL AGENCY
STATE <u>CA</u>	ZIP CODE <u>90802</u>
PHONE # WITH AREA CODE	

IV. BOARD OF EQUALIZATION UST STORAGE FEE ACCOUNT NUMBER - Call (916) 322-9669 if questions arise.

TY (TK) HQ 44 -

V. PETROLEUM UST FINANCIAL RESPONSIBILITY - (MUST BE COMPLETED) - IDENTIFY THE METHOD(S) USED

☒ box to indicate ☒ 1 SELF-INSURED ☐ 2 GUARANTEE ☐ 3 INSURANCE ☐ 4 SURETY BOND
☐ 5 LETTER OF CREDIT ☐ 6 EXEMPTION ☐ 99 OTHER

VI. LEGAL NOTIFICATION AND BILLING ADDRESS

Legal notification and billing will be sent to the tank owner unless box I or II is checked.

CHECK ONE BOX INDICATING WHICH ABOVE ADDRESS SHOULD BE USED FOR LEGAL NOTIFICATIONS AND BILLING:

I. ☐ II. ☒ III. ☐

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

OWNER'S NAME (PRINTED & SIGNED) <u>Daniel F. [Signature]</u>	OWNER'S TITLE <u>Mayor</u>	DATE MONTH/DAY/YEAR <u>6-26-56</u>
---	-------------------------------	---------------------------------------

LOCAL AGENCY USE ONLY

COUNTY # <u> </u>	JURISDICTION # <u> </u>	FACILITY # <u> </u>
LOCATION CODE - OPTIONAL	CENSUS TRACT # - OPTIONAL	SUPVISOR - DISTRICT CODE - OPTIONAL

THIS FORM MUST BE ACCOMPANIED BY AT LEAST (1) OR MORE PERMIT APPLICATION - FORM B, UNLESS THIS IS A CHANGE OF SITE INFORMATION ONLY.
OWNER MUST FILE THIS FORM WITH THE LOCAL AGENCY IMPLEMENTING THE UNDERGROUND STORAGE TANK REGULATIONS

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD
UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM B



COMPLETE A SEPARATE FORM FOR EACH TANK SYSTEM.

MARK ONLY ONE ITEM	☐ 1 NEW PERMIT	☐ 3 RENEWAL PERMIT	☐ 5 CHANGE OF INFORMATION	☐ 7 PERMANENTLY CLOSED ON SITE
	☐ 2 INTERIM PERMIT	☐ 4 AMENDED PERMIT	☐ 6 TEMPORARY TANK CLOSURE	☐ 8 TANK REMOVED

DBA OR FACILITY NAME WHERE TANK IS INSTALLED: City of Long Beach Towing operation

I. TANK DESCRIPTION COMPLETE ALL ITEMS - SPECIFY IF UNKNOWN

A. OWNER'S TANK I.D. #	B. MANUFACTURED BY:
C. DATE INSTALLED (MO/DAY/YEAR)	D. TANK CAPACITY IN GALLONS: <u>300</u>

II. TANK CONTENTS IF A-1 IS MARKED, COMPLETE ITEM C.

A. ☒ 1 MOTOR VEHICLE FUEL ☐ 2 PETROLEUM ☐ 3 CHEMICAL PRODUCT	☐ 4 OIL ☐ 80 EMPTY ☐ 95 UNKNOWN	B. ☒ 1 PRODUCT ☐ 2 WASTE	C. ☐ 1a REGULAR UNLEADED ☐ 1b PREMIUM UNLEADED ☐ 2 LEADED	☒ 3 DIESEL ☐ 4 GASAHOL ☐ 5 JET FUEL ☐ 99 OTHER (DESCRIBE IN ITEM D. BELOW)	☐ 6 AVIATION GAS ☐ 7 METHANOL
D. IF (A.1) IS NOT MARKED, ENTER NAME OF SUBSTANCE STORED					C. A. S. #:

III. TANK CONSTRUCTION MARK ONE ITEM ONLY IN BOXES A, B, AND C, AND ALL THAT APPLIES IN BOX D AND E

A. TYPE OF SYSTEM ☐ 1 DOUBLE WALL ☒ 2 SINGLE WALL	☐ 3 SINGLE WALL WITH EXTERIOR LINER ☐ 4 SECONDARY CONTAINMENT (VAULTED TANK) ☐ 95 UNKNOWN ☐ 99 OTHER
B. TANK MATERIAL (Primary Tank) ☒ 1 BARE STEEL ☐ 5 CONCRETE ☐ 9 BRONZE	☐ 2 STAINLESS STEEL ☐ 6 POLYVINYL CHLORIDE ☐ 10 GALVANIZED STEEL ☐ 3 FIBERGLASS ☐ 7 ALUMINUM ☐ 95 UNKNOWN ☐ 4 STEEL CLAD W/ FIBERGLASS REINFORCED PLASTIC ☐ 8 100% METHANOL COMPATIBLE W/FRP ☐ 99 OTHER
C. INTERIOR LINING ☐ 1 RUBBER LINED ☐ 5 GLASS LINING	☐ 2 ALKYO LINING ☐ 6 UNLINED ☒ 95 UNKNOWN ☐ 3 EPOXY LINING ☐ 4 PHENOLIC LINING ☐ 99 OTHER
IS LINING MATERIAL COMPATIBLE WITH 100% METHANOL? YES ☐ NO ☐	
D. CORROSION PROTECTION ☐ 1 POLYETHYLENE WRAP ☐ 5 CATHODIC PROTECTION	☐ 2 COATING ☐ 91 NONE ☒ 95 UNKNOWN ☐ 3 VINYL WRAP ☐ 4 FIBERGLASS REINFORCED PLASTIC ☐ 99 OTHER
E. SPILL AND OVERFILL SPILL CONTAINMENT INSTALLED (YEAR) OVERFILL PREVENTION EQUIPMENT INSTALLED (YEAR)	

IV. PIPING INFORMATION CIRCLE A IF ABOVE GROUND OR U IF UNDERGROUND, BOTH IF APPLICABLE

A. SYSTEM TYPE	A U 1 SUCTION	A U 2 PRESSURE	A U 3 GRAVITY	A U 99 OTHER <u>Unknown</u>
B. CONSTRUCTION	A U 1 SINGLE WALL	A U 2 DOUBLE WALL	A U 3 LINED TRENCH	A U 95 UNKNOWN A U <u>99</u> OTHER
C. MATERIAL AND CORROSION PROTECTION	A U 1 BARE STEEL A U 5 ALUMINUM A U 9 GALVANIZED STEEL	A U 2 STAINLESS STEEL A U 6 CONCRETE A U 10 CATHODIC PROTECTION	A U 3 POLYVINYL CHLORIDE (PVC) A U 7 STEEL W/ COATING A U <u>95</u> UNKNOWN	A U 4 FIBERGLASS PIPE A U 8 100% METHANOL COMPATIBLE W/FRP A U 99 OTHER
D. LEAK DETECTION	☐ 1 AUTOMATIC LINE LEAK DETECTOR	☐ 2 LINE TIGHTNESS TESTING	☐ 3 INTERSTITIAL MONITORING	☐ 99 OTHER

V. TANK LEAK DETECTION

☐ 1 VISUAL CHECK	☐ 2 INVENTORY RECONCILIATION	☐ 3 VADOZE MONITORING	☐ 4 AUTOMATIC TANK GAUGING	☐ 5 GROUND WATER MONITORING
☐ 6 TANK TESTING	☐ 7 INTERSTITIAL MONITORING	☐ 91 NONE	☐ 95 UNKNOWN	☐ 99 OTHER

VI. TANK CLOSURE INFORMATION

1. ESTIMATED DATE LAST USED (MO/DAY/YR)	2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING <u>25</u> GALLONS	3. WAS TANK FILLED WITH INERT MATERIAL? YES ☒ NO ☐
---	--	---

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

APPLICANT'S NAME
(PRINTED & SIGNATURE)

DANIEL F. [Signature]

DATE

6-26-95

LOCAL AGENCY USE ONLY THE STATE I.D. NUMBER IS COMPOSED OF THE FOUR NUMBERS BELOW

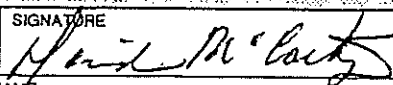
STATE I.D. #	COUNTY #	JURISDICTION #	FACILITY #	TANK #
PERMIT NUMBER	PERMIT APPROVED BY/DATE		PERMIT EXPIRATION DATE	

THIS FORM MUST BE ACCOMPANIED BY A PERMIT APPLICATION - FORM A, UNLESS A CURRENT FORM A HAS BEEN FILED.
FILE THIS FORM WITH THE LOCAL AGENCY IMPLEMENTING THE UNDERGROUND STORAGE TANK REGULATIONS

UNDERGROUND STORAGE TANK UNAUTHORIZED RELEASE (LEAK) / CONTAMINATION SITE REPORT

EMERGENCY ☐ YES ☒ NO		HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED? ☐ YES ☐ NO		FOR LOCAL AGENCY USE ONLY I HEREBY CERTIFY THAT I HAVE DISTRIBUTED THIS INFORMATION ACCORDING TO THE DISTRIBUTION SHOWN ON THE INSTRUCTION SHEET ON THE BACK PAGE OF THIS FORM.	
REPORT DATE 08/04/95		CASE #		SIGNED _____ DATE _____	
REPORTED BY	NAME OF INDIVIDUAL FILING REPORT		PHONE (310) 570-5410		SIGNATURE 
	REPRESENTING ☐ LOCAL AGENCY ☒ OTHER <u>Delegate</u>		COMPANY OR AGENCY NAME Fleet Services Bureau		
	ADDRESS 2801 E. Willow St. Long Beach CA 90806				
RESPONSIBLE PARTY	NAME City of Long Beach A Municipal Corporation ☐ UNKNOWN		CONTACT PERSON Robert Metzger		PHONE (310) 570-6277
	ADDRESS 333 W. Ocean Blvd Long Beach CA 90802				
SITE LOCATION	FACILITY NAME (IF APPLICABLE) Public Service Yard		OPERATOR Department of Pub. Works		PHONE (310) 570-2714
	ADDRESS 1725 San Francisco Ave Long Beach COUNTY L.A. ZIP 90803				
	CROSS STREET Pacific Coast Highway				
IMPLEMENTING AGENCIES	LOCAL AGENCY Long Beach Fire Prevention		CONTACT PERSON Inspector Tom Hays		PHONE (310) 570-2561
	REGIONAL BOARD Ca. Water Resources, S.W. Dist.		Region #4		PHONE (213) 266-7500
SUBSTANCES INVOLVED	(1) NAME Motor Oil (New)				QUANTITY LOST (GALLONS) 110 ☐ UNKNOWN
	(2)				☐ UNKNOWN
DISCOVERY/ABATEMENT	DATE DISCOVERED 08/04/95		HOW DISCOVERED ☒ INVENTORY CONTROL ☐ SUBSURFACE MONITORING ☐ NUISANCE CONDITIONS ☐ TANK TEST ☐ TANK REMOVAL ☐ OTHER		
	DATE DISCHARGE BEGAN 08/03/95 ☐ UNKNOWN		METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY) ☒ REMOVE CONTENTS ☐ CLOSE TANK & REMOVE ☐ REPAIR PIPING ☐ REPAIR TANK ☐ CLOSE TANK & FILL IN PLACE ☒ CHANGE PROCEDURE ☐ REPLACE TANK ☐ OTHER		
	HAS DISCHARGE BEEN STOPPED? ☒ YES ☐ NO IF YES, DATE 08/04/95				
SOURCE/ CAUSE	SOURCE OF DISCHARGE ☐ TANK LEAK ☐ UNKNOWN ☒ PIPING LEAK ☐ OTHER		CAUSE(S) ☐ OVERFILL ☒ RUPTURE/FAILURE ☐ SPILL ☐ CORROSION ☐ UNKNOWN ☐ OTHER		
	CASE TYPE ☒ UNDETERMINED ☐ SOIL ONLY ☐ GROUNDWATER ☐ DRINKING WATER - (CHECK ONLY IF WATER WELLS HAVE ACTUALLY BEEN AFFECTED)				
CURRENT STATUS	CHECK ONE ONLY ☐ NO ACTION TAKEN ☐ PRELIMINARY SITE ASSESSMENT WORKPLAN SUBMITTED ☐ POLLUTION CHARACTERIZATION ☐ LEAK BEING CONFIRMED ☒ PRELIMINARY SITE ASSESSMENT UNDERWAY ☐ POST CLEANUP MONITORING IN PROGRESS ☐ REMEDIATION PLAN ☐ CASE CLOSED (CLEANUP COMPLETED OR UNNECESSARY) ☐ CLEANUP UNDERWAY				
	REMEDIAL ACTION CHECK APPROPRIATE ACTION(S) (SEE BACK FOR DETAILS)				
	☐ EXCAVATE & DISPOSE (ED) ☐ REMOVE FREE PRODUCT (FP) ☐ ENHANCED BIO DEGRADATION (IT) ☐ CAP SITE (CD) ☐ EXCAVATE & TREAT (ET) ☐ PUMP & TREAT GROUNDWATER (GT) ☐ REPLACE SUPPLY (RS) ☐ CONTAINMENT BARRIER (CB) ☐ NO ACTION REQUIRED (NA) ☐ TREATMENT AT HOOKUP (HU) ☐ VENT SOIL (VS) ☐ VACUUM EXTRACT (VE) ☐ OTHER (OT)				
COMMENTS	_____				

UNDERGROUND STORAGE TANK UNAUTHORIZED RELEASE (LEAK) / CONTAMINATION SITE REPORT

EMERGENCY ☐ YES ☒ NO		HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED? ☐ YES ☐ NO		FOR LOCAL AGENCY USE ONLY I HEREBY CERTIFY THAT I HAVE DISTRIBUTED THIS INFORMATION ACCORDING TO THE DISTRIBUTION SHOWN ON THE INSTRUCTION SHEET ON THE BACK PAGE OF THIS FORM.												
REPORT DATE 08/04/95		CASE #		SIGNED _____ DATE _____												
REPORTED BY	NAME OF INDIVIDUAL FILING REPORT (310) 570-5410		SIGNATURE 													
	REPRESENTING ☐ OWNER/OPERATOR ☐ REGIONAL BOARD ☐ LOCAL AGENCY ☒ OTHER <u>Delegate</u>		COMPANY OR AGENCY NAME Fleet Services Bureau													
	ADDRESS 2801 E. Willow St. Long Beach CA 90806															
RESPONSIBLE PARTY	NAME City of Long Beach A Municipal Corporation ☐ UNKNOWN		CONTACT PERSON Robert Metzger		PHONE (310) 570-6277											
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SITE LOCATION	FACILITY NAME (IF APPLICABLE) Public Service Yard		OPERATOR Department of Pub. Works		PHONE (310) 570-2714											
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SUBSTANCES INVOLVED	(1) NAME Motor Oil (New)				QUANTITY LOST (GALLONS) 110 ☐ UNKNOWN											
	(2)				☐ UNKNOWN											
DISCOVERY/ABATEMENT	DATE DISCOVERED 08/04/95		HOW DISCOVERED ☒ INVENTORY CONTROL ☐ SUBSURFACE MONITORING ☐ NUISANCE CONDITIONS ☐ TANK TEST ☐ TANK REMOVAL ☐ OTHER													
	DATE DISCHARGE BEGAN 08/03/95 ☐ UNKNOWN		METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY) ☒ REMOVE CONTENTS ☐ CLOSE TANK & REMOVE ☐ REPAIR PIPING ☐ REPAIR TANK ☐ CLOSE TANK & FILL IN PLACE ☒ CHANGE PROCEDURE ☐ REPLACE TANK ☐ OTHER													
	HAS DISCHARGE BEEN STOPPED? ☒ YES ☐ NO IF YES, DATE 08/04/95															
	SOURCE/CAUSE <table border="0" style="width: 100%;"> <tr> <td>☐ TANK LEAK</td> <td>☐ UNKNOWN</td> <td>☐ OVERFILL</td> <td>☒ RUPTURE/FAILURE</td> <td>☐ SPILL</td> </tr> <tr> <td>☒ PIPING LEAK</td> <td>☐ OTHER</td> <td>☐ CORROSION</td> <td>☐ UNKNOWN</td> <td>☐ OTHER</td> </tr> </table>					☐ TANK LEAK	☐ UNKNOWN	☐ OVERFILL	☒ RUPTURE/FAILURE	☐ SPILL	☒ PIPING LEAK	☐ OTHER	☐ CORROSION	☐ UNKNOWN	☐ OTHER	
☐ TANK LEAK	☐ UNKNOWN	☐ OVERFILL	☒ RUPTURE/FAILURE	☐ SPILL												
☒ PIPING LEAK	☐ OTHER	☐ CORROSION	☐ UNKNOWN	☐ OTHER												
CASE TYPE	CHECK ONE ONLY ☒ UNDETERMINED ☐ SOIL ONLY ☐ GROUNDWATER ☐ DRINKING WATER - (CHECK ONLY IF WATER WELLS HAVE ACTUALLY BEEN AFFECTED)															
	CURRENT STATUS <table border="0" style="width: 100%;"> <tr> <td>☐ NO ACTION TAKEN</td> <td>☐ PRELIMINARY SITE ASSESSMENT WORKPLAN SUBMITTED</td> <td>☐ POLLUTION CHARACTERIZATION</td> </tr> <tr> <td>☐ LEAK BEING CONFIRMED</td> <td>☒ PRELIMINARY SITE ASSESSMENT UNDERWAY</td> <td>☐ POST CLEANUP MONITORING IN PROGRESS</td> </tr> <tr> <td>☐ REMEDIATION PLAN</td> <td>☐ CASE CLOSED (CLEANUP COMPLETED OR UNNECESSARY)</td> <td>☐ CLEANUP UNDERWAY</td> </tr> </table>					☐ NO ACTION TAKEN	☐ PRELIMINARY SITE ASSESSMENT WORKPLAN SUBMITTED	☐ POLLUTION CHARACTERIZATION	☐ LEAK BEING CONFIRMED	☒ PRELIMINARY SITE ASSESSMENT UNDERWAY	☐ POST CLEANUP MONITORING IN PROGRESS	☐ REMEDIATION PLAN	☐ CASE CLOSED (CLEANUP COMPLETED OR UNNECESSARY)	☐ CLEANUP UNDERWAY		
☐ NO ACTION TAKEN	☐ PRELIMINARY SITE ASSESSMENT WORKPLAN SUBMITTED	☐ POLLUTION CHARACTERIZATION														
☐ LEAK BEING CONFIRMED	☒ PRELIMINARY SITE ASSESSMENT UNDERWAY	☐ POST CLEANUP MONITORING IN PROGRESS														
☐ REMEDIATION PLAN	☐ CASE CLOSED (CLEANUP COMPLETED OR UNNECESSARY)	☐ CLEANUP UNDERWAY														
REMEDIAL ACTION	CHECK APPROPRIATE ACTION(S) (SEE BACK FOR DETAILS)															
	<table border="0" style="width: 100%;"> <tr> <td>☐ CAP SITE (CD)</td> <td>☐ EXCAVATE & TREAT (ET)</td> <td>☐ REMOVE FREE PRODUCT (FP)</td> <td>☐ ENHANCED BIO DEGRADATION (IT)</td> </tr> <tr> <td>☐ CONTAINMENT BARRIER (CB)</td> <td>☐ NO ACTION REQUIRED (NA)</td> <td>☐ PUMP & TREAT GROUNDWATER (GT)</td> <td>☐ REPLACE SUPPLY (RS)</td> </tr> <tr> <td>☐ VACUUM EXTRACT (VE)</td> <td>☐ OTHER (OT)</td> <td>☐ TREATMENT AT HOOKUP (HU)</td> <td>☐ VENT SOIL (VS)</td> </tr> </table>					☐ CAP SITE (CD)	☐ EXCAVATE & TREAT (ET)	☐ REMOVE FREE PRODUCT (FP)	☐ ENHANCED BIO DEGRADATION (IT)	☐ CONTAINMENT BARRIER (CB)	☐ NO ACTION REQUIRED (NA)	☐ PUMP & TREAT GROUNDWATER (GT)	☐ REPLACE SUPPLY (RS)	☐ VACUUM EXTRACT (VE)	☐ OTHER (OT)	☐ TREATMENT AT HOOKUP (HU)
☐ CAP SITE (CD)	☐ EXCAVATE & TREAT (ET)	☐ REMOVE FREE PRODUCT (FP)	☐ ENHANCED BIO DEGRADATION (IT)													
☐ CONTAINMENT BARRIER (CB)	☐ NO ACTION REQUIRED (NA)	☐ PUMP & TREAT GROUNDWATER (GT)	☐ REPLACE SUPPLY (RS)													
☐ VACUUM EXTRACT (VE)	☐ OTHER (OT)	☐ TREATMENT AT HOOKUP (HU)	☐ VENT SOIL (VS)													
COMMENTS																



UNDERGROUND STORAGE TANK REMOVAL INSPECTION REPORT

925 Harbor Plaza, Suite 100
Phone (310) 570-2560

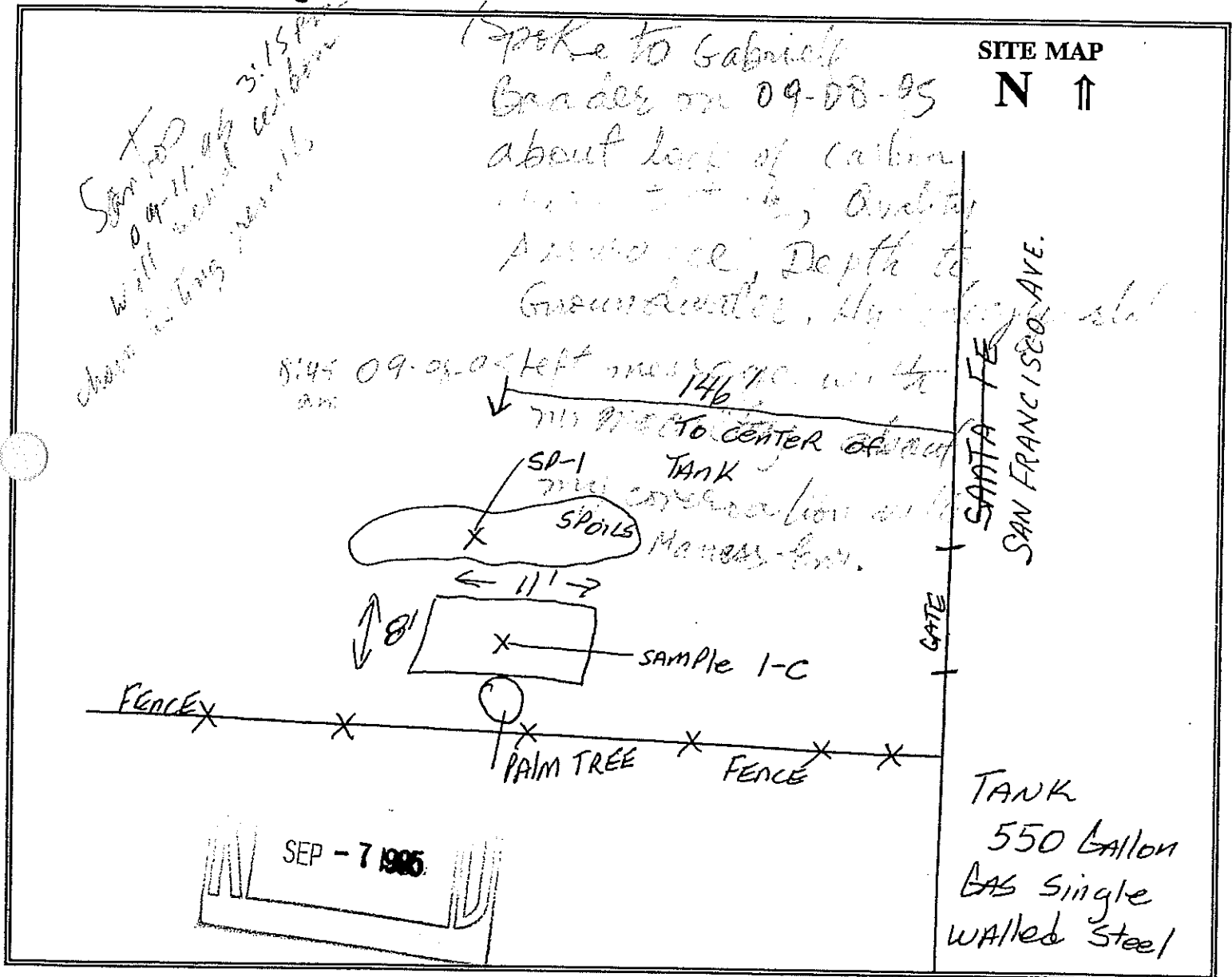
Long Beach, California 90802
Fax (310) 570-2566

NAME

ADDRESS

PHONE#

Site 901 W. Anaheim DATE 8-30-95
Owner City of Long Beach - Towing
Contractor MANESS ENVIRONMENTAL PROJECT# 194914
Geologist GABRIELE BRADER
Lab STERLING LAB INSPECTOR HAYS



Remove 1 tank(s) per current Long Beach Fire Department and Long Beach Health Department guidelines. Soil sample analysis shall be submitted to both agencies within 14 days.

I have read and understand the above.

Michael Murray
Signature

310 5994599 Maness Romo
Print name & phone # Company and Title

Fullerton Environmental Laboratory

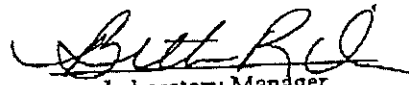
LABORATORY REPORT

Client:	Maness Environmental	Report Date:	08/31/95
Client Address:	P.O. Box 90939	FEL Ref. No.:	4932
	Long Beach, CA 90809	Client Ref. No.:	51000
Attn:	Scott Hultner	Date Sampled:	08/30/95
Project:	City of Long Beach - Towing	Date Received:	08/30/95
Project Address:	901 W. Anaheim St.	Date Analyzed:	08/31/95
	Long Beach, CA	Physical State:	Soil

ANALYSES REQUESTED:

1. EPA 8020 - Volatile Aromatic Hydrocarbons (BTEX)
2. Modified EPA 8015 - Volatile Hydrocarbons (as Gasoline)

Approval:


Laboratory Manager
Beth Riley

FULLERTON ENVIRONMENTAL
LABORATORY RESULTS

Client:	Manass Environmental	Report Date:	08/31/95
Client Address:	P.O. Box 90939	FEL Ref. No.:	4932
	Long Beach, CA 90809	Client Ref. No.:	51000
Attn:	Scott Hultner	Date Sampled:	08/30/95
Project:	City of Long Beach - Towing	Date Received:	08/30/95
Project Address:	901 W. Anaheim St.	Date Analyzed:	08/31/95
	Long Beach, CA	Physical State:	Soil

EPA 8020 - Volatile Aromatic Hydrocarbons (BTEX)

Sample ID	Concentration (mg/Kg)				Surrogate Recovery (%)
	<u>Benzene</u>	<u>Toluene</u>	<u>Ethylbenzene</u>	<u>Xylenes</u>	
1C-8	22	17	98	470	114
SP-1	ND < 0.005	ND < 0.005	ND < 0.005	0.013	84

ND = Not Detected

FULLERTON ENVIRONMENTAL
LABORATORY RESULTS

Client:	Maness Environmental	Report Date:	08/31/95
Client Address:	P.O. Box 90939	FEL Ref. No.:	4932
	Long Beach, CA 90809	Client Ref. No.:	51000
Attn:	Scott Hultner	Date Sampled:	08/30/95
Project:	City of Long Beach - Towing	Date Received:	08/30/95
Project Address:	901 W. Anaheim St.	Date Analyzed:	08/31/95
	Long Beach, CA	Physical State:	Soil

Modified EPA 8015 - Volatile Hydrocarbons (as Gasoline)

Sample ID	Concentration (mg/Kg)	Surrogate Recovery (%)	Reporting Limits (mg/Kg)
1C-8	7500	101	2500
SP-1	ND	73	1.0

ND = Not Detected

REV BY:

4932



COMPANY NAME: Manass Environmental Services, Inc.						CARRIER:				TURNAROUND TIME REQUIRED: ☐ NORMAL ☐ 5-DAY ☐ 3-DAY ☐ 24-HOUR ☒ IMMEDIATE ATTENTION									
ADDRESS: 1101 East Springs St., Long Beach, CA 90806						SHIPMENT DATE:													
PHONE NUMBER: (310) 595-4555						SHIPPING NUMBER:													
FAX: (310) 492-6495						NUMBER OF SAMPLES: 2				PAGE 1		OF 1							
PROJECT NAME: City of Long Beach - Jimmy										ANALYSES REQUIRED								LAB ONLY	
PROJECT ADDRESS: 901 W. Anaheim St., Long Beach, Ca										RUSH								SAMPLE CONDITION UPON RECEIPT	
PROJECT NUMBER: 51000																			
SAMPLER NAME AND SIGNATURE: CYRIL SONG [Signature]																			
REPORTS TO BE SENT TO: Manass Attn: Scott Hultner																			
SAMPLE I.D. NUMBER	SAMPLE DESCRIPTION	SAMPLE MATRIX	SAMPLE PRESERVATIVE(S)	CONTAINER SIZE / TYPE	DATE / TIME COLLECTED	FIELD TEMP.	FIELD pH	FIELD EC	SPECIAL PROGRAM REQUIREMENTS OR EPA - SOP & QAM REF										
IC-8		SOIL	NONE	JAR	08/30/95 4:00 pm					X	X								
SP1		{	{	{	{					X	X								
SPECIAL INSTRUCTIONS / COMMENTS:																			
RELINQUISHED BY: (Signature) [Signature]				DATE: 08/30/95				RECEIVED BY: (Signature) [Signature]				DATE: 8-30-95				RECEIVED BY: (Signature) [Signature]			
COMPANY: Manass				TIME: 5:45 pm				COMPANY: MANASS				TIME: 5:30				COMPANY: FEL			

Date: September 1, 1995

To: Richard E. Smith, Hazardous Waste Operation Officer,
Department of Health and Human Services

From: David McCarty, Administrative Supervisor, Fleet Services Bureau

Subject: Fire Station #7, Towing Yard and Heliport Tank Removals

The Fire Department issued a permit and scheduled the removal of underground tanks and dispensing systems at Fire Station #7, Towing Operations and the Heliport. The permits were issued to Maness Environmental, a Long Beach company with a good working relationship with the Fire department.

The removals were performed on Wednesday August 30, 1995 with all the necessary soil samples taken by an approved lab. The results of the lab tests were faxed to the Fleet Services Bureau and sent to the Health Department for review.

I have enclosed copies of the results in order to bring this matter to your attention as soon as possible. The Fleet Services Bureau would like authorization to dig out the contamination at Fire Station #7 and at the Towing Operations Yard and proceed with reconstructing the sites. These sites are currently active and support vital services to the public.

We would like to proceed with this cleanup as soon as possible in order to restore operations at these facilities.

Thank you for your time and attention regarding this request, your positive response is greatly appreciated.

To reach me by phone dial extension 8-5410, to fax me your *Carmine Piro* dial extension 8-5414.



Maness Environmental Services, Inc.

1101 East Spring Street

Long Beach, CA 90806

TEL: (310) 595-4555 FAX: (310) 492-6495



FAX TRANSMITTAL COVER SHEET

10-05-95 Didn't find suspects
Lacks depth file
To groundwater
b.f.P.

DATE: October 4, 1995

TO: City of Long Beach

FROM: Ron Santos

ATTN: Carmen Piro

Dept. of Health & Human Services

FAX# 570-4049

Per our conversation, the following is a
copy of lab results and chain of custody
for 901 W. Anaheim St., Long Beach, CA.

The laboratory results were combined with
another site, it took some time to correct
the situation with the laboratory.

If you have any questions, please call me
at (310) 595-4555.

Ron Santos

We are transmitting 4 pages including this cover letter. Please call immediately if there
are any questions or if there are any problems with this transmittal.

FULLERTON ENVIRONMENTAL

LABORATORY RESULTS

Client:	Maness Environmental	Report Date:	10/03/95
Client Address:	P.O. Box 90939 Long Beach, CA 90809	FEL Ref. No.:	4981-A
		Client Ref. No.:	51000
Attn:	Scott Hultner		
Project:	Heliport Site 27/City of LB - Towing 2609 E. Spring St./901 W. Anaheim St. Long Beach, CA	Date Sampled:	08/30/95
		Date Received:	08/30/95
		Date Analyzed:	09/11/95
		Physical State:	Soil

Simulated Distillation (Carbon Chain ID)

Carbon Chain Range	Sample ID Concentration (mg/Kg)		LMB (mg/Kg)
	1C-8	SP-1	
C8-C9	880	ND	ND
C10-C11	1100	ND	ND
C12-C13	260	ND	ND
C14-C15	ND	ND	ND
C16-C17	ND	ND	ND
C18-C19	ND	ND	ND
C20-C23	ND	19	ND
C24-C27	ND	44	ND
C28-C31	ND	46	ND
C32-C35	ND	57	ND
C36-C39	ND	33	ND
C40-C43	ND	45	ND
C44+	ND	33	ND
Total	2200	280	ND
Surrogate Recovery (%)	127	98	100
Reporting Limits	25	25	25

LMB = Laboratory Method Blank
 ND = Not Detected

1511 E. Orangethorpe Ave., Fullerton, CA 92631 (714) 447-6868 (714) 447-6800 (FAX)

FULLERTON ENVIRONMENTAL

LABORATORY RESULTS

Client:	Maness Environmental	Report Date:	08/31/95
Client Address:	P.O. Box 90939	FEL Ref. No.:	4932
	Long Beach, CA 90809	Client Ref. No.:	51000
Attn:	Scott Hultner		
Project:	City of Long Beach - Towing	Date Sampled:	08/30/95
Project Address:	901 W. Anaheim St.	Date Received:	08/30/95
	Long Beach, CA	Date Analyzed:	08/31/95
		Physical State:	Soil

Modified EPA 8015 - Volatile Hydrocarbons (as Gasoline)

Sample ID	Concentration (mg/Kg)	Surrogate Recovery (%)	Reporting Limits (mg/Kg)
1C-8 (sample underneath tank)	7500	101	2500
SP-1	ND	73	1.0

ND = Not Detected

1511 E. Orangethorpe Ave., Fullerton, CA 92631 (714) 447-6868 (714) 447-6800 FAX

FULLERTON ENVIRONMENTAL
LABORATORY RESULTS

Client:	Maness Environmental	Report Date:	08/31/95
Client Address:	P.O. Box 90939	FEL Ref. No.:	4932
	Long Beach, CA 90809	Client Ref. No.:	51000
Attn:	Scott Hultner		
Project:	City of Long Beach - Towing	Date Sampled:	08/30/95
Project Address:	901 W. Anaheim St.	Date Received:	08/30/95
	Long Beach, CA	Date Analyzed:	08/31/95
		Physical State:	Soil

EPA 8020 - Volatile Aromatic Hydrocarbons (BTEX)

Sample ID	Benzene	Toluene	Ethylbenzene	Xylenes	Surrogate Recovery (%)
1C-8	22	17	98	470	114
SP-1	ND < 0.005	ND < 0.005	ND < 0.005	0.013	84

ND = Not Detected

1511 E. Orangethorpe Ave., Fullerton, CA 92631 (714) 447-6868 (714) 447-6800 FAX

P.05

4932



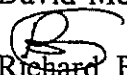
COMPANY NAME: <u>Manus Environmental Services, Inc.</u>				CARRIER:				TURNAROUND TIME REQUIRED:				
ADDRESS: <u>1101 East Springs St., Long Beach, CA 90806</u>				SHIPMENT DATE:				☐ NORMAL				
PHONE NUMBER: <u>(310) 595-4555</u>				SHIPPING NUMBER:				☐ 5-DAY ☐ 3-DAY				
FAX: <u>(310) 492-6795</u>				NUMBER OF SAMPLES: <u>2</u>				PAGE <u>1</u> OF <u>1</u>				
PROJECT NAME: <u>City of Long Beach - Drilling</u>				PROJECT ADDRESS: <u>901 W. Anaheim St., Long Beach, CA</u>				ANALYSES REQUIRED				
PROJECT NUMBER: <u>51000</u>				SAMPLER NAME AND SIGNATURE: <u>CYRIL YONG</u>				LAB ONLY				
REPORTS TO BE SENT TO: <u>Manus Attn: Scott Hultner</u>				SPECIAL PROGRAM REQUIREMENTS OR EPA - SOP & QAM REF				SAMPLE CONDITION UPON RECEIPT				
SAMPLE I.D. NUMBER	SAMPLE DESCRIPTION	SAMPLE MATRIX	SAMPLE PRESERVATIVE(S)	CONTAINER SIZE / TYPE	DATE / TIME COLLECTED	FIELD TEMP.	FIELD pH	FIELD EC				
1C-8		SOIL	NONE	JAR	08/30/95 4:00 pm				X	X		
8P1									X	X		
SPECIAL INSTRUCTIONS / COMMENTS:												
RELINQUISHED BY (Signature): <u>[Signature]</u>				DATE: <u>08/30/95</u>				RECEIVED BY (Signature): <u>[Signature]</u>				
COMPANY: <u>Manus</u>				TIME: <u>5:45 pm</u>				COMPANY: <u>MANUS</u>				

105



Date: October 18, 1995

To: David McCarty, Administrative Supervisor, Fleet Services Bureau

From:  Richard E. Smith, Hazardous Waste Operations Officer, Department of Health and Human Services

Subject: **901 WEST ANAHEIM STREET, LONG BEACH**

The Long Beach Department of Health and Human Services has received a tank closure indicating that a discharge of a hazardous material has occurred at the above referenced location.

In order to comply with the State of California Hazardous Waste Control Act and the Long Beach City Ordinance for Hazardous Materials cleanup, it is required that you submit an application for a Site California Permit and an Initial Site Characterization Report.

I have enclosed a permit application, a copy of the Site Characterization Ordinance. There is no permit fee.

The permit application process is to be completed by November 13, 1995.

After a site has been characterized the next phase is site remediation or cleanup. A permit will be required for this also.

You should also be aware of the South Coast Air Quality Management District's Rule 1166, regarding volatile organic compound (VOC) emissions from contaminated soil. If you are going to treat or handle VOC - contaminated soil, you must notify the South Coast Air Quality Management District Executive Officer by telephone within 24 hours of detection of the VOC-contaminated soil and comply with their requirements.

If any further information is required, please contact Carmen Piro, at 310/570-4137, Environmental Health between the hours of 8:00 a.m. and 9:00 a.m. or 4:00 p.m. to 5:00 p.m.

RS/da

cc: Long Beach Fire Prevention Bureau
Maness Environmental



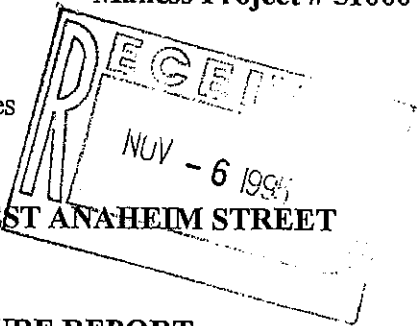
November 2, 1995

Carmen Piro
City of Long Beach, Department of Health and Human Services
2525 Grand Avenue, Long Beach, California 90815

Maness Project # 51000

**SITE: CITY OF LONG BEACH TOWING, 901 WEST ANAHEIM STREET
LONG BEACH, CALIFORNIA**

RE: UNDERGROUND STORAGE TANK CLOSURE REPORT



Dear Ms. Piro:

Maness Environmental Services, Inc. (Maness) is pleased to submit this report for the closure of one 550-gallon gasoline steel underground storage tank (UST) at City of Long Beach Towing.

The work completed consisted of: (1) excavation, removal and disposal of one gasoline UST and associated piping, (2) collection and analysis of soil samples beneath the former UST and the soil stockpile, and (3) a final UST closure report, summarizing the results of all field activities and analytical testing.

Results of laboratory testing indicate that petroleum hydrocarbon affected soil is present in the vicinity of former gasoline UST. Total petroleum hydrocarbons with gasoline distinction and benzene concentrations of 7,500 and 22 parts per million, respectively, were detected in the soil sample collected beneath the former gasoline UST.

If you have any questions regarding the report or require additional information, please call me at (310) 595-4555.

Sincerely,

Maness Environmental Services, Inc.

Scott Hultner
Project Manager

cc: David McCarty, City of Long Beach, Fleet Services Bureau

1101 East Spring Street • Long Beach, CA 90806
P.O. Box 90939 • Long Beach, CA 90809-0939
Contractor's License No. 553633
(310) 595-4555 FAX: (310) 492-6495

UNDERGROUND STORAGE TANK CLOSURE REPORT

**CITY OF LONG BEACH TOWING
901 West Anaheim Street
Long Beach, California**

MANESS PROJECT # 51000

Prepared For:
Fleet Services Bureau
**2801 E. Willow Street
Long Beach, California 90806**

Prepared By:
Maness Environmental Services, Inc.
**1101 East Spring Street
Long Beach, California 90806**

November 2, 1995

TABLE OF CONTENTS

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1.1 PURPOSE AND SCOPE OF WORK	1
2.0 FIELD ACTIVITIES	1
2.1 TANK REMOVAL OPERATIONS	1
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2.3 UST RINSATE AND SOIL DISPOSAL	2
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TABLE 2 SUMMARY OF LABORATORY RESULTS	4
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6.0 LIMITATIONS	6

FIGURES

- FIGURE 1 VICINITY MAP
 FIGURE 2 SITE PLAN AND SOIL SAMPLE RESULTS

APPENDICES

- APPENDIX A - SCAQMD RULE 1166 MONITORING RECORDS
 APPENDIX B - TANK DISPOSAL CERTIFICATE
 APPENDIX C - LABORATORY AND QUALITY ASSURANCE/QUALITY CONTROL (QA/QC)
 REPORTS, AND CHAIN OF CUSTODY
 APPENDIX D - UNIFORM HAZARDOUS WASTE MANIFEST

1.0 INTRODUCTION

This report summarizes excavation and soil sampling activities conducted in conjunction with a 550-gallon gasoline steel underground storage tank (UST) and associated product line removal recently completed at City of Long Beach Towing located at 901 W. Anaheim Street in Long Beach, California (Figure 1).

1.1 PURPOSE AND SCOPE OF WORK

The work completed consisted of the removal of one 550-gallon gasoline steel UST and associated piping. In addition, Maness personnel collected soil samples following the UST removal, beneath the former UST and from the soil stockpile, to determine whether contents previously stored in the UST have impacted the surrounding subsurface soil.

2.0 FIELD ACTIVITIES

2.1 TANK REMOVAL OPERATIONS

On August 30, 1995, Maness cleaned and triple rinsed the UST at the subject site. The UST was pressure rinsed sufficiently until satisfactory lower explosive limits (LEL) and total oxygen content levels were achieved. In addition, the gasoline UST was properly degassed.

In compliance with the South Coast Air Quality Management District (SCAQMD) Rule 1166 permit issued to Maness (Application Number 257250 and Identification Number 69389), organic vapors were monitored during excavation activities

On August 30, 1995, a Bacharach (TLV-RM) meter was used to monitor organic vapors emitted from soil during excavation in the vicinity of the UST. The SCAQMD Rule 1166 monitoring records are included in Appendix A.

Under the direction of Inspector Thomas Hayes of the Long Beach Fire Department (LBFD), Maness removed the gasoline UST from the excavation and transported it to the Wilmington Salvage Inc. facility located in Wilmington, California. Several small holes were observed along the gasoline UST. Refer to Appendix B for a copy of the tank disposal certificate.

2.2 SOIL SAMPLING

On August 30, 1995, Soil Sample 1C-8 was collected beneath the gasoline UST at approximately 8 feet below grade (fbg) and Soil Sample SP-1 was collected from the soil stockpile generated during UST removal activities. Soil sampling activities were conducted under the supervision of inspector Thomas Hayes of the LBFD.

The soil samples were packaged in 250 milliliter Qorpak glass jars, sealed with Teflon lined plastic lids, labeled, and immediately placed on ice in a cooler. The samples were delivered immediately to a state certified, analytical laboratory for testing. Refer to Appendix C for copies of the official laboratory and quality assurance/quality control (QA/QC) reports, and chain of custody records.

2.3 UST RINSATE AND SOIL DISPOSAL

On August 30, 1995, approximately 150 gallons of UST rinsate was transported by vacuum truck to Crosby and Overton facility located in Long Beach, California. Refer to Appendix D for a copy of the uniform hazardous waste manifest. The non-hazardous soils manifest will be forwarded under a separate cover upon receipt.

3.0 SITE GEOLOGY AND HYDROGEOLOGY

The site is located on the north flank of Long Beach. According to California Department of Water Resources, Bulletin No. 104, Planned Utilization of the Groundwater Basins of the Coastal Plain of Los Angeles County, June 1961, reprinted May 1990, the site is underlain by the following stratigraphic units:

Terrace Cover - Reddish brown sand, non-fossiliferous and largely continental composed of terrigenous clastic material.

Palos Verde Sand - Sand, pebble and gravel, fossiliferous and marine, moderately permeable above the local water table, crops out along southern slopes of Signal Hill.

Unnamed Deposits - Silt, sand and gravel, moderately to slightly permeable above groundwater table.

According to the Los Angeles Department of Public Works, the nearest groundwater well (392H) is located approximately half a mile south of the site. ~~The depth to groundwater on October 7, 1994, was 14.9 fbg and the ground surface elevation was 44.7 feet above mean sea level.~~ Groundwater was encountered at approximately 6 to 8 fbg during the excavation activities conducted at the site.

4.0 LABORATORY TESTING

4.1 METHODS OF ANALYSIS

Laboratory samples were collected, maintained, prepared and analyzed according to Test Methods for Evaluating Solid Waste, (SW-846), Third Edition, Update #2, November 1990. These methods, as prescribed by the Environmental Protection Agency (EPA), provide test procedures which determine whether a sample is a hazardous waste within the definition of the Resource Conservation Recovery Act (RCRA).

A state certified, analytical laboratory (Fullerton Environmental Laboratory of Fullerton, California) analyzed soil samples collected beneath the former UST and the soil stockpile. The soil samples were analyzed for total petroleum hydrocarbons as gasoline (TPH-G); benzene, toluene, ethylbenzene, and total xylenes (BTEX) using Modified EPA Method 8015 and EPA Method 8020, respectively. In addition, carbon chains were identified in soil samples using Modified EPA Method 8015. Refer to Figure 2 and Tables 1 and 2 for laboratory results.

TABLE 1

Summary of Laboratory Results

City of Long Beach Towing
Sample Date = August 30, 1995

Sample ID	Depth (ft bg)	TPH-G (ppm)	Benzene (ppm)	Toluene (ppm)	Ethylbenzene (ppm)	Total Xylenes (ppm)
1C-8	8	7,500*	22	17	98	476
SP-1	—	ND	ND	ND	ND	0.013
MDL	—	1.0	0.005	0.005	0.005	0.005

Note: TPH-G = total petroleum hydrocarbons as gasoline
 ppm = parts per million (mg/kg)
 ND = not detected at or above detection limit stated in official laboratory reports
 * = minimum detection limit is 2,500 ppm
 — = not applicable
 MDL = minimum detection limit stated in official laboratory reports

4.2 RESULTS OF ANALYSIS

TPH-G and benzene concentrations of 7,500 and 22 parts per million (ppm), respectively, were detected in soil samples collected beneath the former gasoline UST. A total xylene concentration of 0.013 ppm was detected in the soil stockpile sample (TPH-G, benzene, toluene, or ethylbenzene was not detected). Carbon chains were detected in both soil samples (maximum of 1,100 ppm [C10-C11] in Soil Sample 1C-8).

TABLE 2

Summary of Laboratory Results

City of Long Beach Towing
Sample Date = August 30, 1995

Sample ID	Depth (fbg)	Carbon Chain Identification												
		C8 - C9 (ppm)	C10 - C11 (ppm)	C12 - C13 (ppm)	C14 - C15 (ppm)	C16 - C17 (ppm)	C18 - C19 (ppm)	C20 - C21 (ppm)	C24 - C27 (ppm)	C28 - C31 (ppm)	C32 - C35 (ppm)	C36 - C39 (ppm)	C40 - C43 (ppm)	C44+ (ppm)
IC-8	8	880	1,100	260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SP-1	—	ND	ND	ND	ND	ND	ND	19	44	46	57	33	45	33
MDL	—	25	25	25	25	25	25	25	25	25	25	25	25	25

tes: ppm = parts per million (mg/kg)
 ND = not detected at or above detection limits stated in official laboratory reports
 — = not applicable
 MDL = minimum detection limit stated in official laboratory reports

5.0 CONCLUSIONS

Maness performed UST closure operations at City of Long Beach Towing facility located at 901 W. Anaheim Street in Long Beach, California. The work completed consisted of the removal of one 550-gallon gasoline steel UST. The soil sample beneath the former gasoline UST was collected under the supervision of Inspector Thomas Hayes of the Long Beach Fire Department.

The laboratory results of the soil sample collected beneath the former UST indicate that petroleum hydrocarbon-affected soil is present in the vicinity of the gasoline UST.

Based on the results and findings of this tank closure report, Maness recommends the lateral and vertical extent of hydrocarbon-affected soil be delineated before remedial options are assessed.

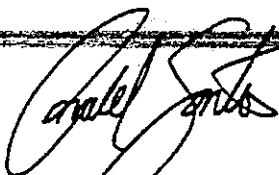
6.0 LIMITATIONS

Maness Environmental Services, Inc. performs professional services using that degree of care and skill ordinarily exercised by environmental consultants practicing in this or similar localities. The findings are based primarily upon analytical results provided by an independent laboratory. Interpretations of the subsurface conditions at the site, for the purpose of this investigation, are made from a limited number of available data points (example: soil samples) and subsurface conditions may be different in other locations.

Maness appreciates the opportunity to provide environmental management services for the City of Long Beach. If you have any questions regarding the report or require additional information, please call us at (310) 595-4555.

Sincerely,

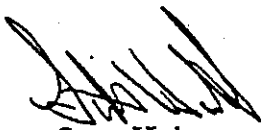
Maness Environmental Services, Inc.



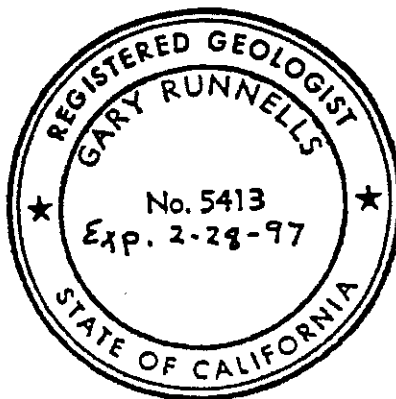
Ronald V. Santos
Project Engineer



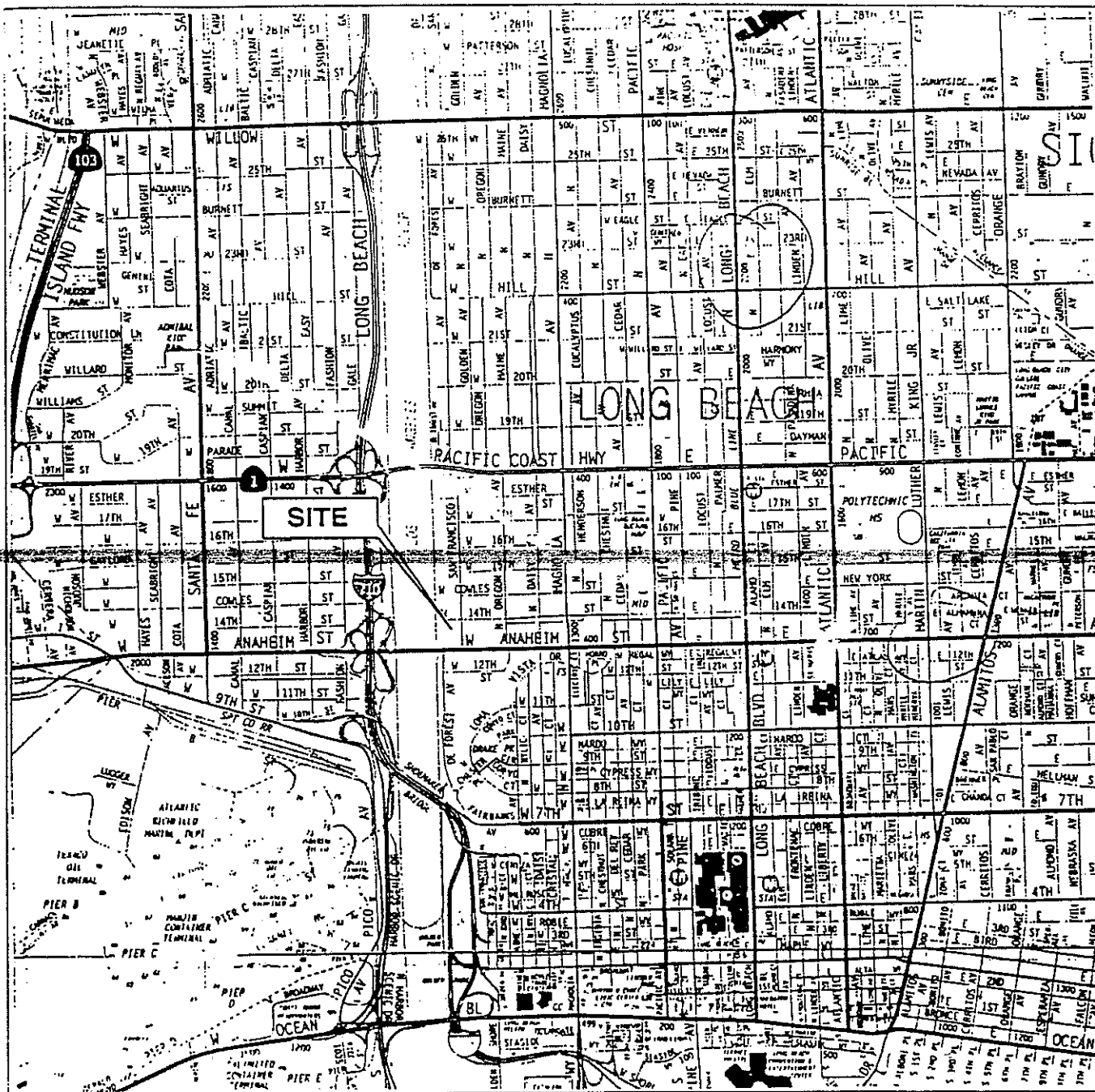
Gary Runnells, R.G., R.E.A.
Manager Remediation Services



Scott Hultner
Project Manager



FIGURES



SCALE
(mile)

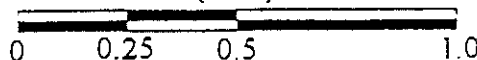


FIGURE 1

VICINITY MAP

CITY OF LONG BEACH TOWING
901 W Anaheim Street



MANESS

ENVIRONMENTAL SERVICES, INC.
A DIVISION OF
MANESS INDUSTRIES

SAN FRANCISCO AVENUE

UNDERGROUND
TANK EXCAVATION

SP-1**
ND
ND

1C-8*
7,500
22

FENCE

LEGEND

Sample ID
TPH-G
B

● Soil Sample with analyte concentration in ppm

Note:

B = benzene, ND = not detected at or above detection limits stated in official laboratory results, ppm = parts per million (mg/kg), TPH-G = total petroleum hydrocarbons with gasoline distinction, * = sample analyzed for total extractable petroleum hydrocarbons (TEPH) (maximum concentration of 1,100 ppm for C10-C11); ** = sample analyzed for TEPH (maximum concentration of 57 ppm for C32-C35). Drawing not to scale.

FIGURE 2

SITE PLAN AND SOIL SAMPLE RESULTS

CITY OF LONG BEACH TOWING
901 W. Anaheim Street



MANESS
ENVIRONMENTAL SERVICES, INC.
A DIVISION OF
MANESS INDUSTRIES
1100 BALBY SPRING DRIVE, P.O. BOX 1070, LONG BEACH, CA 90801-0710
REGULATORY SERVICES DIVISION (714) 434-4000 FAX (714) 434-4001

APPENDIX A

SCAQMD RULE 1166 MONITORING RECORDS

51001

NEW AQMD #

Comments:

APPENDIX B

TANK DISPOSAL CERTIFICATE

Wilmington Salvage Inc.

2133 East Anaheim Street

Wilmington, Ca. 90744

213 435-4555

FAX 436-8545

CERTIFICATE OF DESTRUCTION

TO: — Maness Environmental Services, Inc.
1101 East Spring Street, Long Beach, CA 90809

DATE: — 8/30/95

REFERENCE: — one 550-gallon steel tank

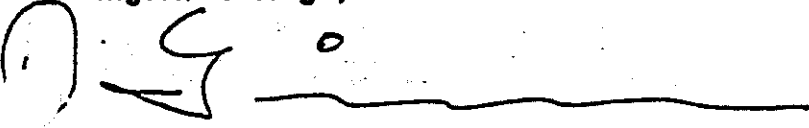
ORIGIN: — 901 W. Anaheim Street
Long Beach, California

TO WHOM IT MAY CONCERN:

This is to certify that we have properly disposed of the
above mentioned item / items.

Thank You,

Wilmington Salvage, Inc.





UNDERGROUND STORAGE TANK REMOVAL INSPECTION REPORT

925 Harbor Plaza, Suite 100
Phone (310) 570-2560

Long Beach, California 90802
Fax (310) 570-2566

FILE
51000

NAME

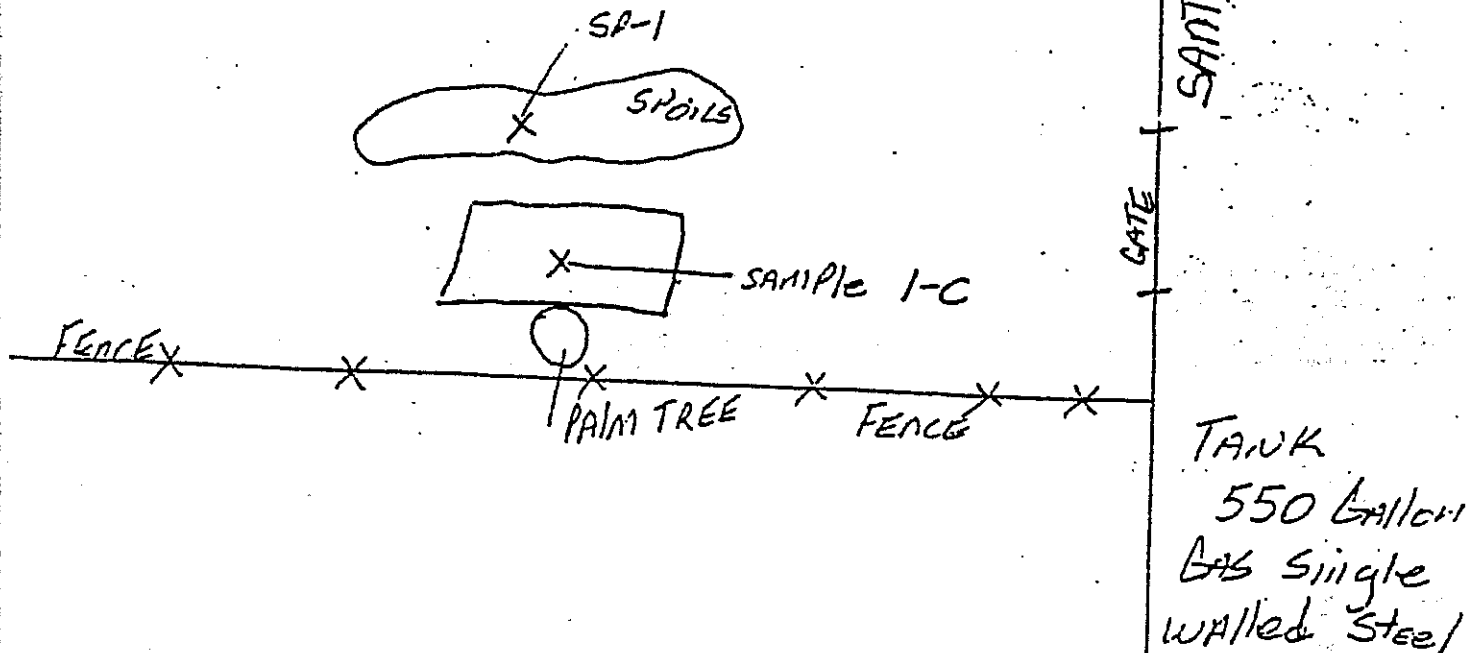
ADDRESS

PHONE#

e 901 W. Anaheim DATE 8-30-95
wner CITY of Long Beach - TOWING
ntractor MANESS ENVIRONMENTAL PROJECT# 194914
ologist GABRIELE BRACKER
b STERLING LAB INSPECTOR HAYS

SITE MAP

N ↑



in 1 tank(s) per current Long Beach Fire Department and Long Beach Health Department
identities. Soil sample analysis shall be submitted to both agencies within 14 days.

I have read and understand the above.

Michael Murphy

310 5951995

Maness Form

MARINE CHEMIST CERTIFICATE

Serial # 7428

Coated by ESS Vessel Owner or Agent STORAGE Date 5-30-95
Type of Vessel WASTE OIL Specific Location of Vessel 1335
Tests Performed ONE TANK Time Survey Completed 1335

ONE TANK TESTED: 0% LEL
MARKED WITH YELLOW
PAINT. SAFE FOR HOT WORK
7428 NOT SAFE FOR WORK
IN TANK

In the event of any physical or atmospheric changes adversely affecting the STANDARD SAFETY DESIGNATIONS assigned to any of the above spaces, or if in any doubt, immediately stop all work and contact the undersigned Marine Chemist.

QUALIFICATIONS: Transfer of ballast or manipulation of valves or closure equipment tending to alter conditions in pipe lines, tanks or compartments subject to gas accumulation, unless specifically approved in this Certificate, requires inspection and endorsement or reissue of Certificate for the spaces so affected. All lines, vents, rating coils, valves, and similarly enclosed appurtenances shall be considered "not safe" unless otherwise specifically designated.

STANDARD SAFETY DESIGNATIONS (partial list, paraphrased from NFPA 306 Subsections 2-3.1 through 2-3.5, and Subsection 6-3.2)

SAFE FOR WORKERS: Means that in the compartment or space so designated: (a) the oxygen content of the atmosphere is at least 19.5 percent by volume; and that, (b) toxic materials in the atmosphere are within permissible concentrations; and that, (c) the residues are not capable of producing toxic materials under existing atmospheric conditions while maintained as directed on the Marine Chemist's Certificate.

NOT SAFE FOR WORKERS: Means that in the compartment or space so designated, the requirements of Safe for Workers have not been met.

ENTER WITH RESTRICTIONS: Means that in any compartment or space so designated, entry for work may be made only if conditions of proper protective equipment, clothing, and time are as specified.

SAFE FOR HOT WORK: Means that in the compartment so designated: (a) oxygen content of the atmosphere is at least 19.5 percent by volume, with the exception of inerted spaces where external hot work is to be performed; and that, (b) the concentration of flammable materials in the atmosphere is below 10 percent of the lower flammable limit; and that, (c) the residues are not capable of producing a higher concentration than permitted by (b) above under existing atmospheric conditions in the presence of fire, and while maintained in accordance with the Marine Chemist's Certificate; and further, that, (d) all adjacent spaces containing or having contained flammable or combustible materials have been cleaned in accordance with the Marine Chemist's requirements.

NOT SAFE FOR HOT WORK: Means that in the compartment so designated, the requirements of Safe for Hot Work have not been met.

CHEMIST'S ENDORSEMENT. This is to certify that I have personally determined that all spaces in the foregoing list are in accordance with NFPA 306 Control of Gas Hazards in Vessels and have found the condition of each to be in accordance with its assigned designation.

undersigned acknowledges receipt of this Certificate and Section 2-6 of NFPA 306 and understands the conditions and limitations under which it was issued.

This Certificate is based on conditions existing at the time the inspection herein set forth was completed and issued subject to compliance with all qualifications and instructions.

[Signature]

APPENDIX C

LABORATORY AND QUALITY ASSURANCE/QUALITY CONTROL (QA/QC) REPORTS AND CHAIN OF CUSTODY

Fullerton
Environmental
Laboratory

LABORATORY REPORT

Client: Maness Environmental
Client Address: P.O. Box 90939
Long Beach, CA 90809

Report Date: 08/31/95
FEL Ref. No.: 4932
Client Ref. No.: 51000

Attn: Scott Hultner

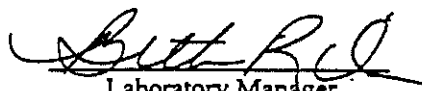
Project: City of Long Beach - Towing
Project Address: 901 W. Anaheim St.
Long Beach, CA

Date Sampled: 08/30/95
Date Received: 08/30/95
Date Analyzed: 08/31/95
Physical State: Soil

ANALYSES REQUESTED:

1. EPA 8020 - Volatile Aromatic Hydrocarbons (BTEX)
2. Modified EPA 8015 - Volatile Hydrocarbons (as Gasoline)

Approval:


Laboratory Manager
Beth Riley

FULLERTON ENVIRONMENTAL

LABORATORY RESULTS

Client:	Maness Environmental	Report Date:	08/31/95
Client Address:	P.O. Box 90939	FEL Ref. No.:	4932
	Long Beach, CA 90809	Client Ref. No.:	51000
Attn:	Scott Hultner		
Project:	City of Long Beach - Towing	Date Sampled:	08/30/95
Project Address:	901 W. Anaheim St.	Date Received:	08/30/95
	Long Beach, CA	Date Analyzed:	08/31/95
		Physical State:	Soil

Modified EPA 8015 - Volatile Hydrocarbons (as Gasoline)

<u>Sample ID</u>	<u>Concentration</u> <u>(mg/Kg)</u>	<u>Surrogate</u> <u>Recovery</u> <u>(%)</u>	<u>Reporting</u> <u>Limits</u> <u>(mg/Kg)</u>
1C-8	7500	101	2500
SP-1	ND	73	1.0

ND = Not Detected

FULLERTON ENVIRONMENTAL

LABORATORY RESULTS

Client:	Maness Environmental	Report Date:	08/31/95
Client Address:	P.O. Box 90939	FEL Ref. No.:	4932
	Long Beach, CA 90809	Client Ref. No.:	51000
Attn:	Scott Hultner		
Project:	City of Long Beach - Towing	Date Sampled:	08/30/95
Project Address:	901 W. Anaheim St.	Date Received:	08/30/95
	Long Beach, CA	Date Analyzed:	08/31/95
		Physical State:	Soil

EPA 8020 - Volatile Aromatic Hydrocarbons (BTEX)

<u>Sample ID</u>	<u>Benzene</u>	<u>Toluene</u>	<u>Ethylbenzene</u>	<u>Xylenes</u>	<u>Surrogate Recovery (%)</u>
1C-8	22	17	98	470	114
SP-1	ND < 0.005	ND < 0.005	ND < 0.005	0.013	84

ND = Not Detected

FULLERTON ENVIRONMENTAL
QUALITY CONTROL INFORMATION

Client:	Maness Environmental	Report Date:	08/31/95
Client Address:	P.O. Box 90939	FEL Ref. No.:	4932
	Long Beach, CA 90809	Client Ref. No.:	51000
Attn:	Scott Hultner		
Project:	City of Long Beach - Towing	Date Sampled:	08/30/95
Project Address:	901 W. Anaheim St.	Date Received:	08/30/95
	Long Beach, CA	Date Analyzed:	08/31/95
		Physical State:	Soil

EPA 8020 - Volatile Aromatic Hydrocarbons (BTEX)

<u>Parameter</u>	<u>LMB</u> <u>(ug/L)</u>	<u>LCS</u> <u>Recovery (%)</u>
Benzene	ND	96
Toluene	ND	99
Ethylbenzene	ND	98
m,p-Xylene	ND	94
o-Xylene	ND	100
Surrogate Recovery (%)	104	111

Sample Spiked: FEL 4930-6

<u>Parameter</u>	<u>MS</u> <u>Recovery (%)</u>	<u>MSD</u> <u>Recovery (%)</u>	<u>RPD</u>	<u>Acceptability</u> <u>Range (%)</u>	<u>RPD</u> <u>Range (%)</u>
Benzene	80	80	0.0	65 - 130	25
Toluene	79	79	0.0	65 - 130	25
o-Xylene	78	71	1.3	65 - 130	25
Surrogate Recovery (%)	107	102	---	70 - 130	---

LMB = Laboratory Method Blank
LCS = Laboratory Control Sample
ND = Not Detected

MS = Matrix Spike
MSD = Matrix Spike Duplicate
RPD = Relative Percent Difference

FULLERTON ENVIRONMENTAL
QUALITY CONTROL INFORMATION

Client:	Maness Environmental	Report Date:	08/31/95
Client Address:	P.O. Box 90939	FEL Ref. No.:	4932
	Long Beach, CA 90809	Client Ref. No.:	51000
Attn:	Scott Hultner		
Project:	City of Long Beach - Towing	Date Sampled:	08/30/95
Project Address:	901 W. Anaheim St.	Date Received:	08/30/95
	Long Beach, CA	Date Analyzed:	08/31/95
		Physical State:	Soil

Modified EPA 8015 - Volatile Hydrocarbons (as Gasoline)

<u>Parameter</u>	<u>LMB</u> <u>(ug/L)</u>	<u>LCS</u> <u>Recovery (%)</u>
Gasoline	ND	94
Surrogate Recovery (%)	109	80

Sample Spiked: FEL 4930-6

<u>Parameter</u>	<u>MS</u> <u>Recovery (%)</u>	<u>MSD</u> <u>Recovery (%)</u>	<u>RPD</u>	<u>Acceptability</u> <u>Range (%)</u>	<u>RPD</u> <u>Range (%)</u>
Gasoline	85	82	2.4	65 - 130	25
Surrogate Recovery (%)	85	82	---	70 - 130	---

LMB = Laboratory Method Blank
LCS = Laboratory Control Sample
ND = Not Detected

MS = Matrix Spike
MSD = Matrix Spike Duplicate
RPD = Relative Percent Difference

FULLERTON ENVIRONMENTAL

COMMENTS

Client: Maness Environmental
Client Address: P.O. Box 90939
Long Beach, CA 90809

Report Date: 10/03/95
FEL Ref. No.: 4981-A
Client Ref. No.: 51000

PLEASE NOTE: FEL 4981-A is a resubmit of FEL 4932

Fullerton
Environmental
Laboratory

LABORATORY REPORT

Client: Maness Environmental
Client Address: P.O. Box 90939
Long Beach, CA 90809

Report Date: 10/03/95
FEL Ref. No.: 4981-A
Client Ref. No.: 51000

Attn: Scott Hultner

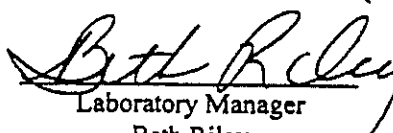
Project: Heliport Site 27/City of LB - Towing
2609 E. Spring St./901 W. Anaheim St.
Long Beach, CA

Date Sampled: 08/30/95
Date Received: 08/30/95
Date Analyzed: 09/11/95
Physical State: Soil

ANALYSES REQUESTED:

1. Simulated Distillation (Carbon Chain ID)

Approval:


Laboratory Manager
Beth Riley

FULLERTON ENVIRONMENTAL

LABORATORY RESULTS

Client:	Maness Environmental	Report Date:	10/03/95
Client Address:	P.O. Box 90939	FEL Ref. No.:	4981-A
	Long Beach, CA 90809	Client Ref. No.:	51000
Attn:	Scott Hultner		
Project:	Heliport Site 27/City of LB - Towing	Date Sampled:	08/30/95
	2609 E. Spring St./901 W. Anaheim St.	Date Received:	08/30/95
	Long Beach, CA	Date Analyzed:	09/11/95
		Physical State:	Soil

Simulated Distillation (Carbon Chain ID)

Carbon Chain Range	Sample ID Concentration (mg/Kg)		LMB (mg/Kg)
	1C-8	SP-1	
C8-C9	880	ND	ND
C10-C11	1100	ND	ND
C12-C13	260	ND	ND
C14-C15	ND	ND	ND
C16-C17	ND	ND	ND
C18-C19	ND	ND	ND
C20-C23	ND	19	ND
C24-C27	ND	44	ND
C28-C31	ND	46	ND
C32-C35	ND	57	ND
C36-C39	ND	33	ND
C40-C43	ND	45	ND
C44+	ND	33	ND
Total	2200	280	ND
Surrogate Recovery (%)	127	98	100
Reporting Limits	25	25	25

LMB = Laboratory Method Blank
 ND = Not Detected

FULLERTON ENVIRONMENTAL
QUALITY CONTROL INFORMATION

Client:	Maness Environmental	Report Date:	10/03/95
Client Address:	P.O. Box 90939	FEL Ref. No.:	4981-A
	Long Beach, CA 90809	Client Ref. No.:	51000
Attn:	Scott Hultner		
Project:	Heliport Site 27/City of LB - Towing	Date Sampled:	08/30/95
	2609 E. Spring St./901 W. Anaheim St.	Date Received:	08/30/95
	Long Beach, CA	Date Analyzed:	09/11/95
		Physical State:	Soil

Simulated Distillation (Carbon Chain ID)

LCS

Recovery (%)

Diesel	90
Surrogate Rec. (%)	99

Sample Spiked: FEL 4981-1

<u>Parameter</u>	<u>MS Recovery (%)</u>	<u>MSD Recovery (%)</u>	<u>RPD</u>	<u>Acceptability Range (%)</u>	<u>RPD Range (%)</u>
Diesel	99	104	4.9	65 - 130	25
Surrogate Recovery (%)	109	106	---	70 - 130	---

LCS = Laboratory Control Sample
MS = Matrix Spike
MSD = Matrix Spike Duplicate
RPD = Relative Percent Difference

71 4932



STERLING ANALYTICAL LABORATORY 2860 Walnut Avenue • Long Beach, California 90806-1834 - (310) 595-9324 - FAX (310) 595-6709

APPENDIX D

UNIFORM HAZARDOUS WASTE MANIFEST

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1	Information in the shaded areas is not required by Federal law.
3. Generator's Name and Mailing Address FLEET SERVICES BUREAU 2301 E. WILLOW STREET, LONG BEACH, CA.		C A D 0 0 9 6 3 4 2 3 4		1 of 1	
4. Generator's Phone ()		6. US EPA ID Number C A D 0 0 9 6 3 4 2 3 4		A. State Manifest Document Number 95436758	B. State Generator's ID
5. Transporter 1 Company Name MANESS ENVIRONMENTAL SERVICES		10. US EPA ID Number C A D 0 2 8 4 0 9 0 1 9		C. State Transporter's ID 607703	D. Transporter's Phone 310-595-4555
7. Transporter 2 Company Name		8. US EPA ID Number		E. State Transporter's ID	F. Transporter's Phone
9. Designated Facility Name and Site Address CRUSKY & SUPERIOR INC. 1630 W. 17TH STREET LONG BEACH, CA. 90813		10. US EPA ID Number C A D 0 2 8 4 0 9 0 1 9		G. State Facility's ID KAT028409019	H. Facility's Phone 310-432-5445
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers No. Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. NON-RCRA HAZARDOUS WASTE LIQUIDS CONTAMINATED LIQUIDS		0 0 1 T T	1/150	G	State 134 EPA/Other
b.					State EPA/Other
c.					State EPA/Other
d.					State EPA/Other
Additional Descriptions for Materials Listed Above PETROLEUM PRODUCTS 5% WATER 95%		K. Handling Codes for Wastes Listed Above a. b. c. d.			
15. Special Handling Instructions and Additional Information WEAR PROPER PROTECTIVE CLOTHING 24 HOUR EMERGENCY CONTACT: David McCarty 24 HOUR PHONE: 310 570-5400					
LOCATION: TOWING OPERATIONS 901 W. ANAHEIM, LONG BEACH PROFILE# 09050					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.					
Printed/Typed Name David McCarty		Signature David McCarty		Month 02	Day 30
17. Transporter 1 Acknowledgement of Receipt of Materials		Signature Scott Searing		Month 03	Day 30
Printed/Typed Name SCOTT SEARING		Signature		Month 03	Day 30
18. Transporter 2 Acknowledgement of Receipt of Materials		Signature		Month 03	Day 30
Printed/Typed Name		Signature		Month 03	Day 30
19. Discrepancy Indication Space Boxes 6 & 4 missing info. BE stops					
Facility Owner, or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.					
Printed/Typed Name Brett L. Poole		Signature Brett L. Poole		Month 08	Day 30

DO NOT WRITE BELOW THIS LINE.

FINAL SITE CHARACTERIZATION REPORT

For The

PHASE II ENVIRONMENTAL ASSESSMENT

Of

GASOLINE-IMPACTED SOILS

January 31, 1996

For Property Located at:

Long Beach City Tow Yard
901 West Anaheim Street
Long Beach, California

Prepared by:

EPICS International
One World Trade Center, Suite 1890
Long Beach, CA 90831-1890
phone: (310) 432-9717
fax: (310) 432-4113



e-mail: inquiry@epics.com
web page: <http://www.epics.com>

INITIAL ASSESSMENT REPORT

For The

PHASE II ENVIRONMENTAL ASSESSMENT

Of

GASOLINE-IMPACTED SOILS

December 8, 1995

For Property Located at:

Long Beach City Tow Yard
901 West Anaheim Street
Long Beach, California

Prepared by:

EPICS International
One World Trade Center, Suite 1890
Long Beach, CA 90831-1890
phone: (310) 432-9717
fax: (310) 432-4113

e-mail: inquiry@epics.com

web page: <http://www.epics.com>

*pages 5 and 6
corrected and sent by M.C. Myers
via facsimile on 12-13-95*

*Mr. [unclear] with [unclear]
12-12-95 9:45 am
[unclear]*

Site Information

Long Beach City Tow Yard, located at 901 West Anaheim Street, in Long Beach, California had one 550-gallon underground storage tank removed on August 30, 1995. The tank was pitted with holes. When the tank was removed, soil samples were taken underneath the tank and from the excavated soil pile and analyzed. According to an analytical report dated August 31, 1995, prepared by Fullerton Environmental Laboratory, the soil underneath the tank contained elevated levels of total petroleum hydrocarbons as gasoline and BTEX. Because of these elevated levels, further assessment is required to determine the extent of the elevated levels of gasoline and BTEX.

The City Towing Yard is owned by the City of Long Beach and is maintained by the Fleet Services Bureau, 2801 East Willow Street, Long Beach, CA 90806. The Fleet Services Supervisor for this site is David McCarty, (310) 570-5410. A plot plan of the facility may be found in the Appendix.

EPICS International has been retained by the City of Long Beach to perform a characterization of the site in order 1) to determine the vertical and horizontal extent of contamination at the site; 2) to determine the concentration and type of contamination involved; and 3) to determine if groundwater has been impaired. This work plan serves as the Initial Assessment Report and defines the proposed work to be performed at the site.

All work to be performed by EPICS International will be done in accordance with all applicable local, state, and federal laws and regulations.

Prior to beginning work onsite, EPICS will provide notifications to the City of Long Beach Department of Health and Human Services and the South Coast AQMD as applicable. Underground Services Alert will be notified to mark subsurface utilities in the expected drilling areas.

Environmental Setting

Site Geology

Regionally, the site is within the southwestern portion of the Coastal Plain of Los Angeles County, which is bounded by the Santa Monica Mountains on the north, the Elysian, Repetto, Merced, and Puente Hills on the northeast, and the Pacific Ocean on the south and west. The City of Long Beach is located near the southern boundary of the plain. Therefore, the tectonic setting, structure and stratigraphy here parallel that of the plain as a whole. The most visible geologic structure in the city is the Newport-Inglewood structural zone, which runs from Beverly Hills southeast to Newport Beach. Its major surface features include the Baldwin Hills, Dominguez Hills, and Signal Hill. This zone divides the city diagonally and separates the basin's primary southwestern and central structural blocks. This zone has been recognized as an effective, near-surface groundwater barrier (Randell, p. 21).

Surficial deposits in the area of the site are believed to be from the Terrace Cover structure, comprising reddish-brown sand, nonfossiliferous and probably largely continental. The stratigraphy below this is Palos Verdes Sand, comprising sand and some pebble gravel, fossiliferous and marine, which crops out locally at edges of mesas, followed by unnamed deposits of silt, sand, and gravel, which are inferred to crop out only locally at edges of mesas. Local unconformity separates this structure from the San Pedro Formation, which is made up of sand, gravel, silt and clay, which includes Lomita marl, Timm's Point silt, and San Pedro Sand members (Randell, p. 23). Below this are the Pico, Repetto, and Puente Formations (Randell, p. 27).

The site is part of the Long Beach Plain, an older marine plain, which is bounded on the north by Signal Hill and on the northeast by the Bixby Ranch Hill, parts of the Newport-Inglewood structure. It lies between the Dominguez Gap on the west and the Alamitos Gap on the east. The Pacific Ocean serves as its southern boundary. It was once joined to the Torrance Plain, but has been separated by the downcutting of the Los Angeles River system. It is underlain by the same kind of sediments as the Torrance Plain, as a result (DWR, pp. 27-28).

The site is located in Sections 35 and 36 of Township 4 S., Range 13 W. within the City of Long Beach, County of Los Angeles, California. This site is located on the U.S. Geologic Survey (USGS) Long Beach quadrangle (1964, photo revised 1981) topographic map. The elevation is approximately 10 feet above mean sea level. By examination of the topographic map, it is apparent that the land generally slopes west towards the Los Angeles River.

Site Hydrogeology

One of the three main stream channels for the Coastal Plain of Los Angeles County, the Los Angeles River, is approximately 200 feet west of the site and discharges into the Pacific Ocean. This river flows southerly across the plain and drains the San Fernando Valley and central basin. The second main channel, the San Gabriel River, lies about four miles to the east of the site, and drains the San Gabriel Valley and the eastern Downey Plain, before emptying into the Pacific Ocean.

The Coastal Plain of Los Angeles County is divided into four groundwater basins. These basins are generally separated from one another by geologic features which impede groundwater movement. The site is in the West Coast Basin. This basin extends southwesterly from the Newport-Inglewood uplift to the Santa Monica Bay, to Palos Verdes and to San Pedro Bay. It extends from the Ballona Excarpmnt and Baldwin Hills on the northwest to the county line on the southeast (DWR, p. 129). Although much of the basin has undergone extensive subsurface geologic investigation, much less is known about the Long Beach Plain because few wells have been drilled there (DWR, p. 129). However, it is believed that the aquifers in this basin have reduced capacity to contain and transmit groundwater (LADPWb, p. 10).

The depth to groundwater at the site is believed to be about 15 feet to the shallow aquifer, based on EPICS' experience at a location about 300 yards north of the SITE where a groundwater sample was obtained six months ago.

Groundwater Well Information

According to the most recent available well data records that were obtained on September 13, 1995, from Geneva Arismendy with the Los Angeles County Department of Public Works

(LACDPW), Hydraulic/Water Conservation Division, the closest active groundwater well to the site (Well #400) is located near the intersection of Hill Street and Magnolia Avenue about one mile north-northeast of the site. The last recorded depth to groundwater (measured on 10/13/94) was 20.0 feet bgs. The ground surface elevation at this location is 13.1 feet above Mean Sea Level. Thus, the water surface elevation is 6.9 feet below Mean Sea Level.

Information provided by Bob Villanueva, Senior Civil Engineer with the Long Beach Water Department, on December 8, 1995, indicates the closest active drinking water well to the site is Citizen Well #10. Its most recent measurement on March 11, 1995, indicated groundwater depth at 73 feet below ground surface and a surface elevation of about 47 feet. Therefore, the water surface elevation is 26 feet below Mean Sea Level. This well is located near Spring Street between Temple and Redondo Avenues, which is approximately four miles northeast of the site. He stated that the Water Department does not use groundwater for drinking water from wells south of Pacific Coast Highway because the water is discolored and the quality is low. Apparently, wells south of Pacific Coast Highway have not been used for a long time. The Water Department uses groundwater north of Pacific Coast Highway.

Sources

Los Angeles County Department of Public Works (LADPW), *Hydrologic Report 1992-93*, Hydraulic/Water Conservation Division, July 1994.

Los Angeles County Department of Public Works (LADPWb), Hydraulic/Water Conservation Division, *Dominguez Seawater Barrier*, undated.

Los Angeles County Flood Control District, *Coastal Plain Well Location Map: Shallow Aquifer*, 1978.

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State of California Department of Water Resources (DWR) Southern District. *Planned Utilization of the Ground Water Basins of the Coastal Plain of Los Angeles County, Appendix A: Groundwater Geology*. Bulletin No. 104. June 1961.

U.S. Geological Survey, Long Beach, California quadrangle, 1964 (photorevised 1981).

Discussions with the Long Beach Water Department, Bob Villanueva, December 8, 1995.

Discussions with the Los Angeles County Department of Public Works, Hydraulic/Water Conservation, Geneva Arismendy, on September 13, 1995.

Screening Procedures

In this instance, screening procedures are not required to determine the first boring location needed to determine the vertical extent of contamination. This is because the source of the contamination has been identified as the underground gasoline tank that was previously present at the site. The first boring (B-1) will be located as close as possible to the previous location of the underground tank. However, since the excavation is still open, for safety reasons, it may not be possible to obtain a sample directly underneath the former tank location unless the pit is less than five feet deep.

Borings B-2, B-3 and B-4 will be drilled in three lateral directions at distances of approximately fifteen to twenty feet from the source in an effort to delineate the plume by identifying areas where no contamination can be detected. See boring location map found in the Appendix. Field screening procedures will be used to determine whether or not additional borings are warranted. These procedures primarily rely upon visual observation and odor. PID readings will be used only to supplement these primary procedures.

As sampling is performed, soil from each sampler will be extruded into a zip-lock baggie, placed in the sun, and allowed to volatilize. A head space analysis will be performed as a field screening technique using a photo-ionization detector (PID) calibrated onsite using a 50 ppm hexane gas standard. After being left at ambient temperature for approximately 10 minutes, the head space in the bag will be evaluated using the PID. This instrument registers the concentration of total

organic vapors in the head space, which is an indication of the presence of volatile organic materials in the soil.

Extent of Contamination and Boring Depth

It is important to note that the nature of the work is essentially exploratory, and for this reason it is difficult to ascertain the exact number and depth of samples required to characterize the site. Most of the decisions as to the extent of necessary drilling and sampling will be made on site while the work is being performed and will be based on field observations of the soil; such as the odor, PID readings, texture, and lithology. However, based on the soil lithology and the level of contamination found underneath the tank during the tank removal, it is estimated that four borings will be needed to fully characterize the site. It is estimated that each boring will be drilled to a maximum depth of fifteen feet. It is important to note these are only estimations. The actual depth and number of borings will depend on the screening procedure described above.

Soil Cutting Disposal

Virtually no soil cuttings will be generated during the sampling and analysis procedures. Any cuttings generated will be piled onsite and covered with plastic for proper disposal with other soil onsite. If required, the appropriate Hazardous Waste Manifests will be filed and documented with the Site Assessment Report.

Sampling Plan

Soil samples will be taken from each borehole at five foot intervals as described below. A total of three samples will be taken from each borehole, plus one of groundwater. Assuming that only four borings are necessary to the depths described earlier, 14 samples will be taken. Not all these samples will be sent to a laboratory for analysis. It is estimated that three of the samples in boring B-1 will be sent to the laboratory. Two of these samples will be the soil taken at ten and fifteen feet, plus one of groundwater. It is estimated that up to two samples from each of the remaining three borings will be sent to the laboratory. These will include the samples with the highest PID readings and the deepest sample. In addition, a sample of groundwater obtained from one of the borings west of B-1 will be analyzed. This is the presumed direction of groundwater gradient (toward the river).

Sampling Protocol

Drilling

Drilling and sampling activities will be supervised by a California-registered Civil Engineer (P.E.) with extensive soils experience. A detailed log of the drilling activities and materials encountered will be maintained by the P.E. Drilling and sampling methods will follow procedures described in the California Department of Health Services Site Mitigation Decision Tree Manual (CDHS, 1986).

The boreholes will be drilled using a hand auger with a 2.25-inch diameter (O.D.) auger. The soil samples will be collected in brass sample sleeves using an 6-inch sampling tube that holds one 6-inch long sample sleeve. Advancement of the auger will be halted at the desired sample depth and the sampler will be lowered into the hole. The sampler will then be driven into the soil using a slide hammer. The number of blows required to advance the hammer 18 inches will be recorded as an indicator of the soil density and consistency.

Once water has been reached, the auger will be advanced an additional two feet and then removed. A water sample will then be pulled with a slotted-PVC bailer.

No drilling fluids will be introduced into the boreholes unless heaving sands are encountered, in which case potable water will be added. Boreholes drilled for soil sample analysis will be grouted once the drill stems are removed. The grout will consist of Portland cement mixed with 5-percent powdered bentonite.

Sampling Procedures

Soil samples for laboratory analysis will be collected from the boreholes. Data obtained for each sample will be recorded in the field and include the following:

1. Sample depth interval and the sample number.
2. Description of soil and moisture content.

3. Lithologic changes within the samples.
4. Sampler penetration and recovery lengths.
5. Number of blows per 6-inch or partial lengths.
6. PID headspace readings for the sample.

This information will be included in the borehole logs completed by the site engineer.

Equipment Decontamination

Decontamination of drilling equipment is required prior to the drilling of soil borings. This will be accomplished by washing with AlconoxTM, and then double-rinsing.

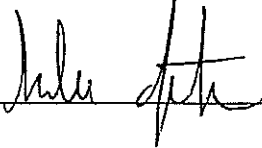
The sampler sleeves to be submitted for laboratory analysis will be capped with TeflonTM sheeting and sealed with plastic end caps. The samples will then immediately be placed into a chilled ice chest. All samples will be transported in a chilled condition to a California-certified analytical laboratory on the same day taken, maintaining proper chain-of-custody documentation. The samples will be analyzed by the lab within one week.

Selected samples will be tested for the following:

- Carbon Chain Fingerprint, using modified EPA Method 8015;
- BTEX, using EPA Method 8020; and
- Total Dissolved Solids, using EPA Method 160.1 (water only)

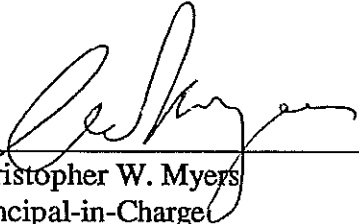
The laboratory performing the test is certified by the California Department of Health Services Environmental Laboratory Accreditation Program. The laboratory that will perform these tests is Southland Technical Services, 7801 Telegraph Road, Suite J, Montebello, CA 90640.

Certification



Salma Jetha
Project Manager

12/8/95
Date



Christopher W. Myers
Principal-in-Charge

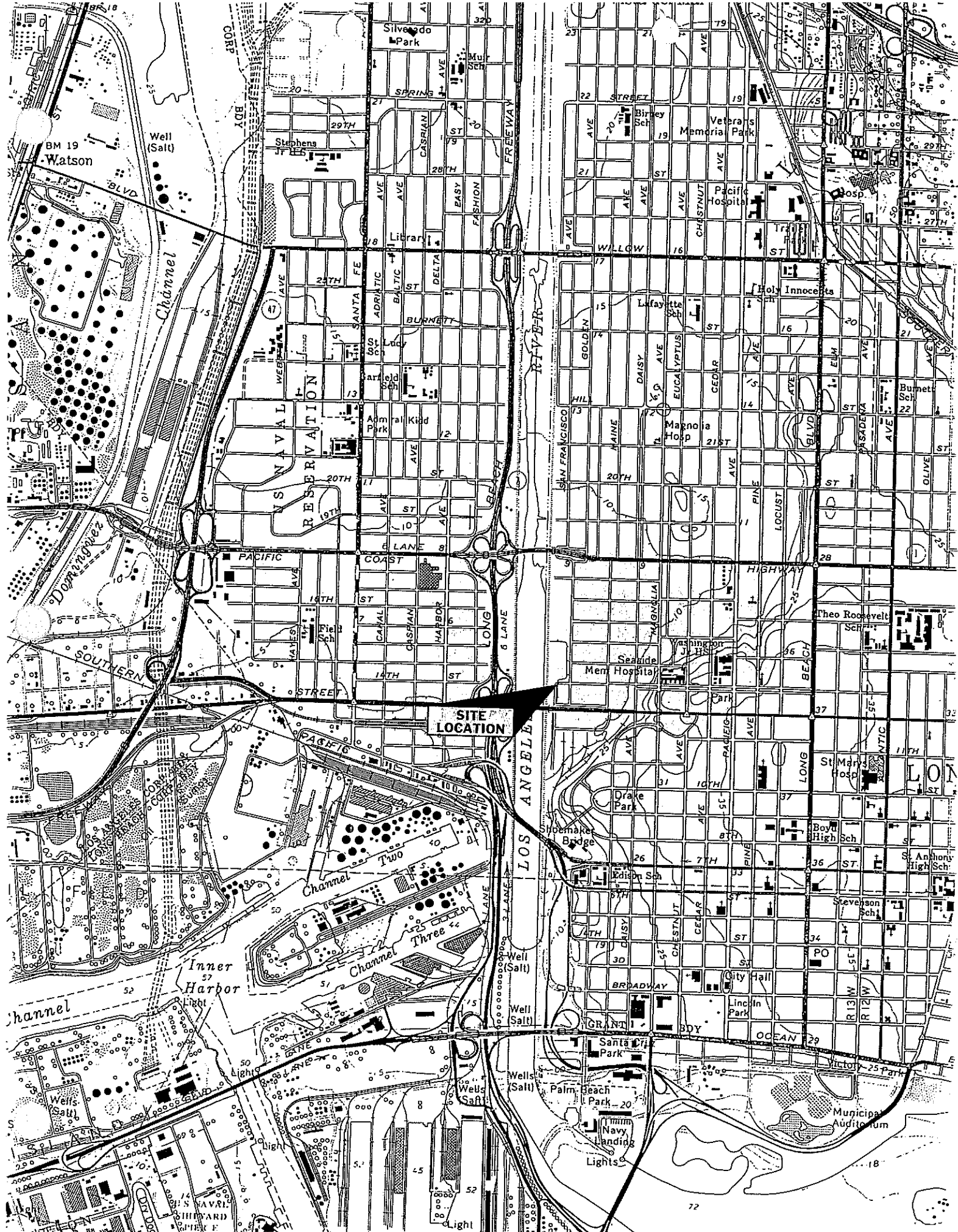
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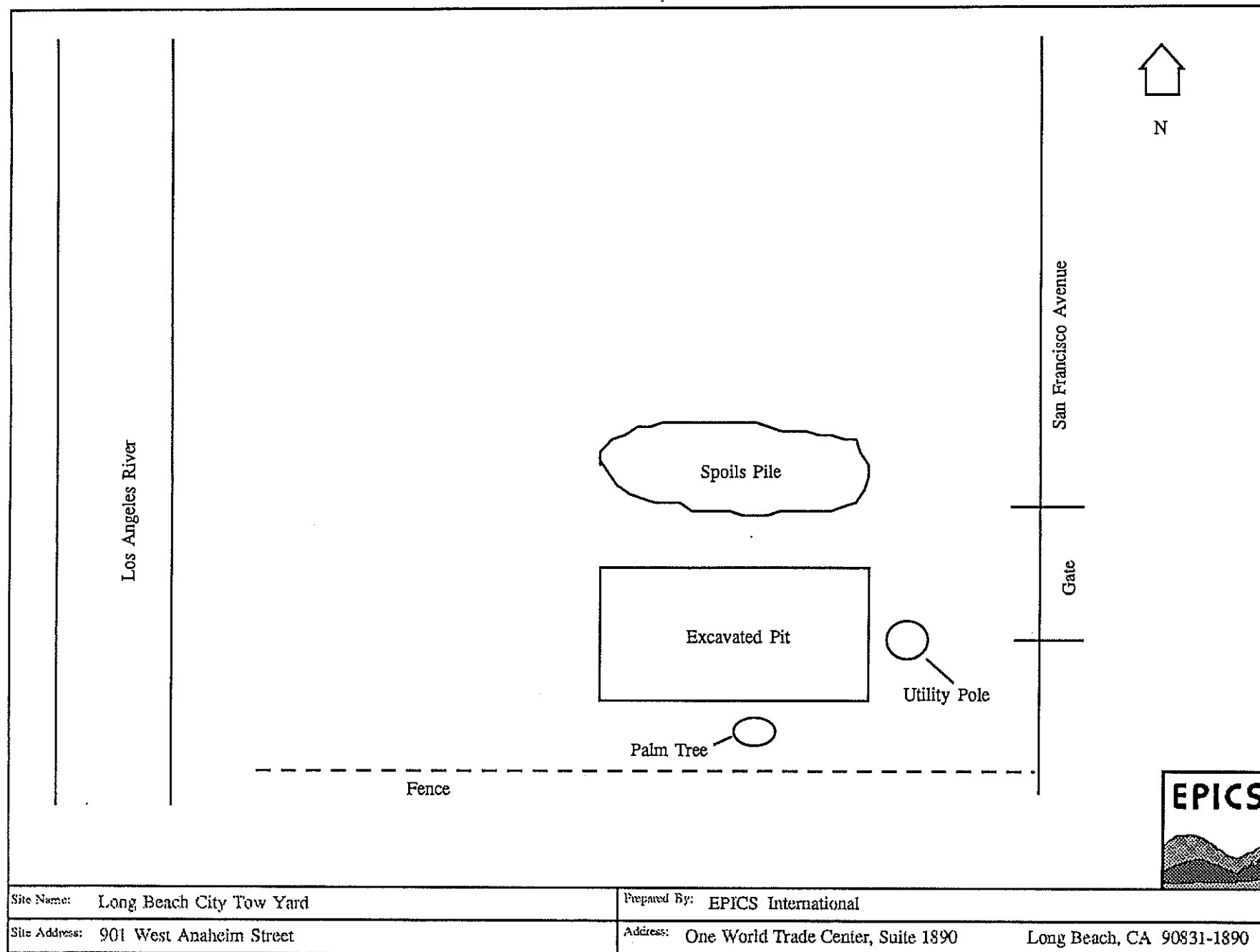
APPENDICES

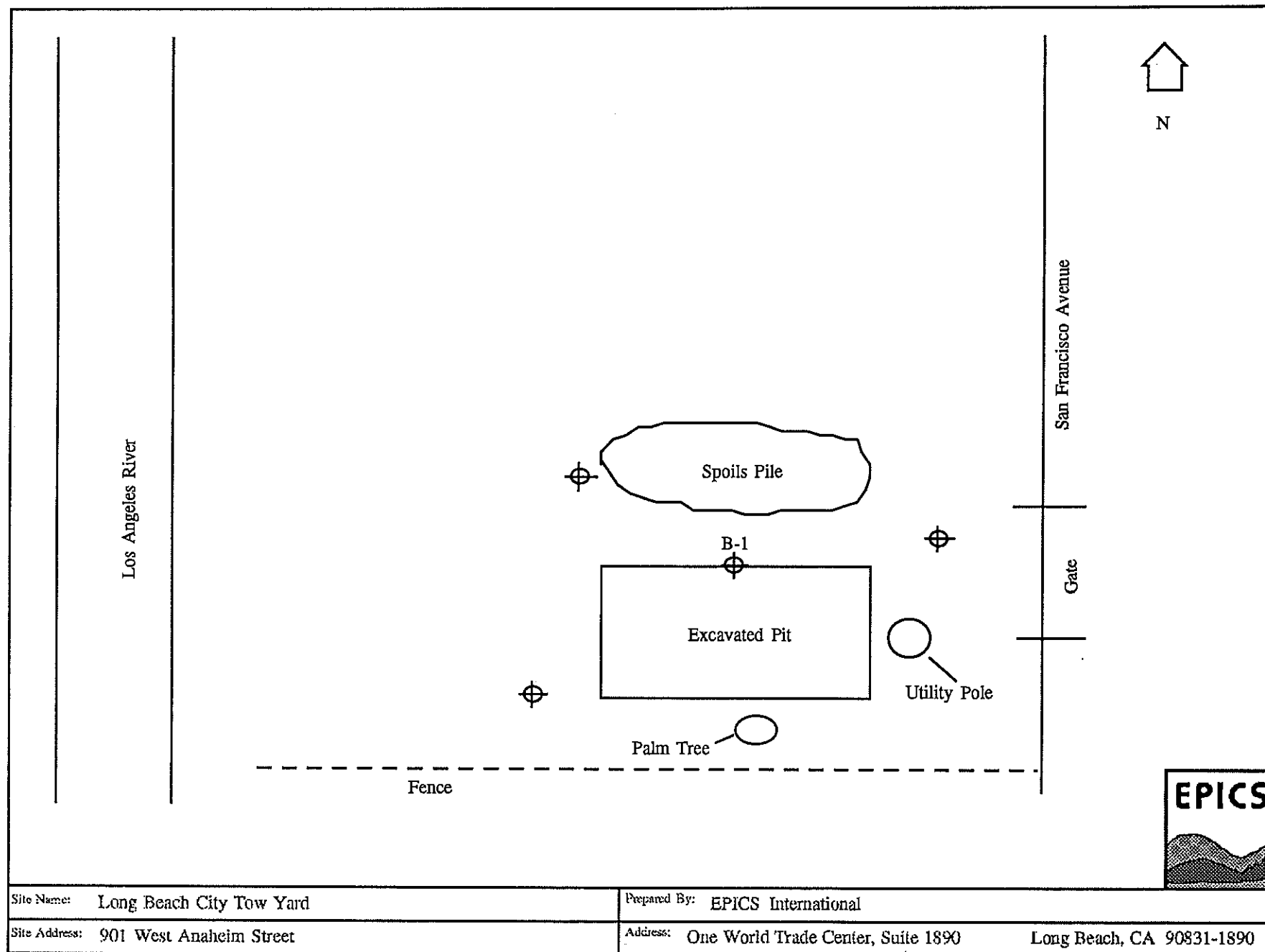
Attachment 1: Site Location Map

Attachment 2: Plot Plan

Attachment 3: Boring Locations







HEALTH AND SAFETY PLAN

For The

PHASE II ENVIRONMENTAL ASSESSMENT

Of

GASOLINE-IMPACTED SOILS

December 8, 1995

For Property Located at:

**Long Beach City Tow Yard
901 West Anaheim Street
Long Beach, California**

Prepared by:

**EPICS International
One World Trade Center, Suite 1890
Long Beach, CA 90831-1890
phone: (310) 432-9717
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INTRODUCTION

This site-specific Health and Safety Plan (HASP) presents health and safety requirements and guidelines for performance of work for characterizing soil impacted by motor vehicle fuel at the Long Beach City Tow Yard, 901 West Anaheim Street, Long Beach, California.

This HASP is in compliance with applicable sections of 8 CCR 5192 and 29 CFR 1910.120 and is prepared for the use by EPICS International employees, consultants, and its subcontractors. This HASP will not be used for work other than that described herein; nor will it be modified or used after the expiration date without written approval by the Project Manager (PM) and the Site Safety Officer (SSO). In addition, this HASP will not be used by firms or persons not under contract to EPICS without written approval by EPICS' Site Safety Officer. This HASP is not valid unless it is signed and dated by the PM and the SSO. Subcontractors may use their own HASPs if such a provision is contained in an agreement with EPICS. General health and safety requirements prepared by subcontractors must be as stringent as those contained in this HASP.

AUTHORITY AND RESPONSIBILITIES

This section discusses the responsibilities of the Project Manager (PM), Site Safety Officer (SSO), and all other site personnel. This plan is intended for use by EPICS employees and their subcontractors only. Each contractor and subcontractor will be responsible for the safe and healthful performance of work by each of its employees and support personnel who may enter the work zone.

Project Manager (PM)

The PM has the responsibility for implementing this HASP. The PM shall comply with applicable regulations and ensure that the operations and procedures proceed according to the HASP. The PM has the authority to suspend work when the health and safety of field personnel or the public is threatened. The PM also has the authority to remove individuals from the site for engaging in activities that jeopardize the health and safety of themselves or others.

The Project Manager retains overall site authority, except in the event of personnel exposure to contaminants. The PM conducts safety meetings together with the Site Safety Officer (SSO), implements standard operating procedures for the characterization operations and works with the SSO on site to implement the HASP. The PM shall be responsible for the following:

- Inspect the work site with the SSO before work begins and periodically throughout the workday to identify predictable hazards and safeguards necessary for worker protection.
- Instruct employees on their responsibilities in the area of safety and occupational health.
- Ensure the SSO gives instructions on hazards and safety precautions to new employees when they are first employed. The PM must ensure employees are instructed in

recognizing the hazards of the job and in the methods and the means to avoid injury and illness.

- Shall not permit employees to work in an unsafe place unless for purpose of making it safe and then only after proper precautions have been taken to protect employees while doing the work.
- Require employees to use safety devices and personal protective equipment when necessary.
- Allow only those employees qualified by training or experience to operate equipment, machines, vehicles or tools.
- Report safety deficiencies and hazards to EPICS' Principal-in-Charge and the SSO.
- Submit regular, verbal reports to EPICS' Principal-in-Charge.

The PM has overall responsibility for site health and safety. The SSO is responsible for assisting the PM in carrying out the health and safety requirements detailed in this plan.

Site Safety Officer (SSO)

The Site Safety Officer reports directly to the PM and keeps him/her abreast of the daily activities. The SSO is also responsible for writing the HASP and ensuring that all employees designated to work at the site understand its content and application. The SSO ensures that all employees designated to work within the exclusion zone have participated in the 40-hour Hazardous Waste Operations and Emergency Response training course and the 8-hour annual refresher course, in accordance with 8 CCR 5192 and 29 CFR 1910.120, and have received medical clearance to work on site when required. The SSO is responsible for the following:

- Inspect equipment, machines, tools, the use of chemicals or substances or mixtures, work procedures, and work sites to identify hazards and potential hazards and maintain a documentation file of safety inspections.
- Review the provisions of this plan with all personnel involved in the project. Also ensure that the HASP is read and that the compliance sheet is signed by everyone entering the site.
- Control and enforce the use of the required Personal Protective Equipment (PPE).
- Provide technical assistance and conduct safety meetings to personnel working at the site on the safe and healthful use of chemicals, hazardous substances, and mixtures used or encountered at the work site.

- Maintain a field logbook which includes such items as working hours, names of people entering and leaving the site, instrument status, background readings, action levels reached or exceeded, and all other information relevant to health and safety at the site.
- Investigate all accidents and near misses.
- Document and keep copies of initial and subsequent accident and injury reports and review and analyze them.
- Direct day-to-day health and safety activities in the field. The SSO must be present at the work site whenever work is being performed by EPICS employees or its subcontractors. The SSO is responsible for advising the PM on health and safety matters and monitoring compliance.
- Conduct personal and environmental air monitoring as needed.
- Implement the HASP and enforce its guidelines.
- Maintain within the HASP all required worker training and medical documentation.
- Maintain a list of addresses and telephone numbers of emergency assistance units (ambulance service, police, and hospitals), and inform other members of the field team of the existence and location of this list.
- Correct any work practices or conditions that may result in injury or worker exposure to hazardous substances.
- Recommend methods of minimizing work site hazards to the degree necessary to create a safe and healthful work site.

The SSO has the authority to suspend work when the work site contains hazards which threatens the health and/or safety of field personnel or the public. The SSO may also remove individuals from the site for engaging in activities that jeopardize themselves or others.

Site Personnel

EPICS will have site personnel typically composed of a 2- or 3-person subcontractor drill crew (plus the SSO and PM). Site personnel will perform drilling activities, decontamination procedures, other work around the exclusion zone, and observe all applicable guidelines in the Health and Safety Plan. The site personnel will be responsible for the following:

- Report work-related injuries or illnesses to the SSO immediately, regardless of severity.

- Use personal protective equipment and safety devices which have been provided for use in performing work assignments, and replace or repair defective equipment items and parts.
- Report defective equipment immediately to the SSO, such as a safeguard or safety device which is not operational or is missing.
- Report unsafe or dangerous conditions in the work site to the SSO.
- Follow the HASP guidelines in addition to the standard operating procedures for the drilling operations.
- Conduct self in a professional and responsible manner while at the work site.

Responsible Individuals

Authorized EPICS International personnel for this project are:

Salma Jetha - Project Manager

Christopher W. Myers - Principal-in-Charge

Jeff Walker - Site Safety Officer

All other EPICS personnel that received the required health and safety training are authorized for site work in the event that the above mentioned individuals are unavailable.

DOCUMENTATION AND RECORDKEEPING

EPICS will obtain health and safety clearances before beginning work at the site from EPICS' Project Manager. To obtain clearance, a worker must have: (1) been certified within the past 12 months by an approved physician as being physically fit to wear respiratory protective devices and to work with hazardous chemical substances, (2) successfully completed a 40-hour basic hazardous waste site worker training course, and (3) passed a respirator fit test with irritant smoke as indicators.

EPICS' subcontractors are responsible for ensuring that their employees also have similar medical, training, and respirator fit clearance and will be required to provide proof of clearance before beginning work.

The names of all EPICS and subcontractor employees who perform work on the site will be recorded and the record maintained in the HASP.

All personnel who enter the exclusion zone must be trained to understand the potential health and safety hazards associated with their tasks. In accordance with 8 CCR 5192 and CFR 1910.120, all personnel will have received a minimum of 40-hours of initial instruction prior to entering the

exclusion zone and a minimum of three days of field experience under the direct supervision of a qualified Supervisor.

Safety Briefing

Before on-site work commences, all EPICS and subcontractor employees assigned to work on site will be briefed by the SSO on the site-specific health and safety requirements contained in this plan, as well as the job functions, potential hazards present, and the protective equipment required. The SSO giving the briefing will assess the workers knowledge and understanding of the provision of this HASP and will not allow anyone who does not appear to understand the provisions perform work in the exclusion area. The date of briefing sessions and attendees will be recorded and the records maintained in the HASP. Area safety orientation/training meetings will be convened: 1) before the field work begins on a daily basis, 2) when there are modifications to the Health and Safety Plan that are applicable to field personnel, or 3) when additional personnel begin field work. The meetings will be attended by those workers involved in carrying out the project and who will be affected by changes being implemented. The meeting agenda will include the following:

- A review of the plan.
- Verification of medical and safety training.
- Distribution of modifications to the plan.
- Attendee signatures, acknowledging receipt and understanding of the plan and the compliance agreement.

Distribution of HASP

Before the work begins, a copy of this HASP will be provided to each EPICS employee, consultant, and subcontractor assigned to work at the site, as well as to an authorized representative of each firm contracted by EPICS to perform work on site. Individuals assigned to work at the site must acknowledge receipt of the plan and agree to comply with its provisions in writing.

The following records and/or copies of records will be maintained on-site by the SSO:

- A list of personnel qualified to work.
- A sign-in sheet of all personnel entering and exiting the exclusion zone.
- This Health and Safety Plan with compliance agreements.
- Exposure monitoring data from the direct reading instruments, e.g., photo-ionization detector (PID).
- Onsite medical monitoring performed such as heat stress monitoring

Medical clearance letters, including respiratory protection certifications, are maintained in EPICS offices.

Incident Reporting

Injuries, exposures, illnesses, safety infractions, and other incidence specified in the Health and Safety Manual must be reported to EPICS within 24 hours of occurrence.

Visitor Clearances

Visitors will not be allowed within the exclusion zone, unless they comply with the safety requirements of this plan. Barrier tape, cones, or other markings will be used to mark off the exclusion zone.

Posting Requirements

The following information will be posted or readily available on site:

- The location of the overhead power line.
- Emergency phone numbers.
- Directions to the nearest hospital.
- Health & Safety Plan

SITE DESCRIPTION AND WORK ACTIVITIES

Site Description

Long Beach City Tow Yard located at 1400 San Francisco Avenue, in Long Beach, California had an underground fuel tank, four feet in diameter, removed on August 30, 1995. The tank was installed in 1945 and is believed to have contained motor vehicle fuel. The City was unaware of the existence of the tank on the property until a historical records review was completed. The site may have been a lumber yard that burned down prior to the City purchasing the property fifteen years ago. During removal, the tank, which was located 2 feet below ground surface, had visible holes. The soil beneath the tank was found to contain 7,500 ppm petroleum hydrocarbons in the gasoline range as analyzed by EPA Method 8015M and 22 ppm benzene, 17 ppm toluene, 98 ppm ethylbenzene, and 470 ppm xylene analyzed by EPA Method 8020. The spoils pile contained no detectable levels of petroleum hydrocarbons or benzene, toluene, ethylbenzene, and xylene (BTEX).

Work Activities

A Phase II site characterization entails the use of a drill rig or hand augering equipment to bore holes into the soil in order to obtain soil samples at varying depths. Typically, hollow-stem auger techniques are used to obtain undisturbed soil samples. Alternately, a hydro- or geo-punch device is used. Two or three man crews operate the drill rig while a soils engineer or geologist classifies the soil and a safety officer monitors for contamination.

Chemical Hazards

The primary chemicals of concern at this Site for worker protection are as follows:

Gasoline-impacted Soil

Gasoline releases may have taken place at the site. Gasoline petrol is a flammable petroleum fractionation. Various functional additives are blended into gasolines, but probably the most critical property is the octane number, supplied with high octane hydrocarbons and lead compounds. The major components are primarily paraffins, olefins, naphthenes, aromatics and ethyl alcohol. Gasoline may cause hyperemia (excessive blood supply) of the conjunctiva (the exposed surface of the eye) and other disturbances of the eye. It is also a skin irritant and a possible allergen. On acute inhalation, humans experience intense burning of the throat and respiratory system. At extremely high concentrations where oxygen displacement is a factor, asphyxiation may occur. Severe intoxication is accompanied by central nervous system effects, coma and convulsions with epileptiform seizures.

Benzene

Benzene is a colorless, highly flammable liquid with an odor characteristic of aromatic hydrocarbons. As an acute poison, benzene produces potent narcotic effects. Chronic exposure acts on the bone marrow to cause detectable alterations and in some cases aplastic anemia. Benzene is also characterized as a carcinogen because it causes leukemia. As with any carcinogen, exposure should be restricted to very low levels that can still be reliably measured.

Inhalation Exposure

The exposure limits of the primary chemicals of concern for worker protection are as follows:

Chemical	Exposure Limits (ppm)			
	PEL	TLV	STEL	IDLH
Gasoline	300	300	N/A	N/A
Benzene	1	0.1	150	3,000
Toluene	100	100	150	2,000
Ethylbenzene	100	100	125	2,000
Xylene	100	100	150	1,000

PELs are permissible exposure limits established by the California Division of Industrial Relations (Cal/OSHA).

TLVs (Threshold Limit Values) are exposure guidelines associated with occupational exposures to various compounds for 8-hour work day/40-hour work week situations, as adopted by the American Conference of Governmental Industrial Hygienists (ACGIH, 1991-1992).

STELs (short-term exposure limits) are the maximum exposure over a fifteen minute time period.

IDLH (Immediately dangerous to life or health) represents the maximum concentration from which, in the event of respirator failure, one could escape within thirty minutes without a respirator and without experiencing any escape-impairing or irreversible health effects.

Benzene is a suspected carcinogen in humans. It is not anticipated that airborne levels of site contaminants will pose a threat to employees. However, half-face air-purifying respirators with high efficiency organic vapor cartridges will be kept on hand for the duration of the project.

Dermal Exposure

Direct skin contact with site contaminants may cause irritation and dermatitis. There is a potential for further exposure if the skin is broken. Contact shall be avoided by wearing protective gloves, steel-toed boots, and protective clothing. However, if contact does occur, the exposed areas shall be washed with soap and water and rinsed thoroughly, as soon as possible.

Ingestion Exposure

Site contaminants can enter the body by ingestion causing internal tissue damage. Therefore, drinking, eating, and smoking will not be allowed within the exclusion zone. Prior to eating or before leaving the site, personnel will wash their hands and faces. Smoking is NOT allowed on the site, except in areas designated for that purpose.

Eye, Foot, Head and Back Protection

While working in the exclusion zone foot protection will be provided by steel-toed work boots. Safety glasses will be worn at all times while working at the property. Hard hats are required at all times within the exclusion zone site. In the event continuous heavy lifting is required, back support will be used.

Physical Hazards

The physical hazards associated with the project include noise, falling, tripping, fire hazard/explosion, heavy equipment operation, buried utilities, traffic, powered hand tool, and trenching and excavation.

Noise

Working near mechanical equipment can subject workers to excessive levels of noise. Ideally, personnel who do not need to be next to noisy equipment should stay as far away as possible to lower their risk to noise-induced hearing loss. Site personnel who must work next to this equipment will wear hearing protection such as ear plugs or muffs to reduce their exposure. Whenever noise levels exceed the time weighted average of 85 D.B.A. over the 8-hour workday, the employees are automatically included in the Company's Hearing Conservation Program whereupon audiograms are provided and hearing protectors are required. Exposure near or above this level is not expected to occur during this project

Falling and Tripping

The work area may become cluttered with equipment. These situations can result in workers falling or tripping and subsequently injuring themselves. To reduce this risk, the SSO will report trip hazards to the crew's foreman, and have them immediately taken care of.

Fire Hazard/Explosion

If gasoline contaminants are on-site, they could possibly create a volatile environment, therefore, no open flame or smoking will be allowed within the exclusion zone.

Measurements of the total airborne organic level will be taken with a photo-ionization detector (PID) for health purposes. Because excessive PID levels will cause adverse health effects well before explosive levels are reached and combined space entry will not be performed, a combustible gas indicator (CGI) will not be necessary.

If excessive PID readings are present (see Direct Reading Equipment Monitoring section), evacuation of the area will be performed as follows:

- Extinguish all possible ignition sources in the work area. Shut down electrically and fuel-powered motors.
- Move personnel at least 100 feet away from work area.
- Contact the SSO

Heavy Equipment

Drill rigs are typically used to drill bore holes in order to obtain soil samples at the job site. Operators must be cognizant of their surroundings while operating all mechanized equipment. In all cases, rotating shafts or gears should be covered to protect accidental contact. In some cases, where rotating parts cannot be adequately guarded, only experienced operators should be allowed to work around these rotating parts. Personnel who must work around rotating equipment should not wear loose fitting clothes that could become easily caught. Personnel operating the heavy equipment must be trained.

Utilities

Special precaution must be taken when drilling on a site with electrical power lines and other utilities in the vicinity. Electricity can shock, burn, and result in death. Overhead and buried utilities should be located, noted, and emphasized on all boring location plans and assignment sheets. No work will be performed where equipment, such as a drill rig, could come into contact with, or be within 25 feet of, any overhead power lines.

There is an overhead power line which runs east to west over the excavated pit at the subject property. The overhead power line is about 25 feet above the pit. For this reason, a drill rig is not being used during the soils investigation. Instead, hand augering equipment will be used. The

SSO will review with the site personnel the location of the overhead power line and all necessary precautions to prevent any injuries.

Underground electrical lines are as dangerous as overhead lines. Be aware and always suspect the existence of underground utilities such as electrical power, gas, petroleum, telephone, sewer, and water. Ask for assistance:

- If a sign warning of underground utilities is located on a site boundary; do not assume that underground utilities are located on or near the boundary or property line under the sign: Telephone the utility company and check it out. The underground utilities may be a considerable distance away from the warning sign.
- Always contact the owners of the utility lines or the nearest underground utility location service before digging. The utility personnel should determine the location of underground lines, and mark and flag these locations. Determine, with the utility personnel what specific precautions must be taken to assure safety.

There may be a number of buried electrical and telephone transmission lines at the site. The underground utility locations must be found and marked by a utility locator source prior to digging operations. The boring locations will be shifted if necessary to avoid the underground obstructions. If the boring is done in an area not previously surveyed by a utility locator source, the initial five feet will be drilled by hand rather than a hollow stem auger.

Traffic

The possibility of an individual being injured or struck by vehicular traffic must be considered. Therefore, personnel must always be alert when moving vehicles from a protected area. In addition, barricades and devices must be used to warn traffic. Individuals that are directing or controlling traffic should wear a bright reflector vest to become more visible to drivers.

Hand Tools

Hand tools such as a concrete cutting saw may be used to accomplish the work tasks. All personnel operating this piece of equipment, or any other hand tool, must be familiar with all safety features of the equipment as well as adequately trained in its use. The following are some generic safety guidelines:

- Keep all tools clean and check the condition before you use them. If heads of striking tools become mushroomed or burred, have them dressed. If handles are splintered, broken or loose, have them replaced before you use the tool.
- Use the proper tool for the job to be accomplished. If the tool requires too much exertion, it is not the right tool.
- Position your hands so that your fingers do not get smashed if the wrench slips or the connection suddenly loosens or "breaks".

- Carrying tools in your pockets is dangerous, especially if the tool are sharp or pointed. Always use a tool kit or tool belt when carrying tools.
- Tools and equipment powered by electricity, compressed air or compressed gases can be dangerous to you and may cause serious injury to others if not properly handled. Only properly trained, authorized and qualified people are allowed to operate this equipment.
- Guards shall be kept in place at all times except when making repairs. When making repairs or adjustments, all hand held power tools must be unplugged or disengaged from the power source. Stationery power tools must be properly locked out when making repairs or making adjustments.

Open Pits and Excavations

The location where the former underground tank was removed is now an open, 5-foot deep pit, measuring approximately 10' x 10' in size at the surface. It is bordered by a chain link fence on the south side. The utility pole is located about three feet from the edge of the excavation on the east side.

Preparation

Prior to initiating any work, it will be the responsibility of the PM to locate and mark all existing utilities. The PM will notify owners or operators of project site at least two days before starting work. If utilities cannot be located prior to excavation by a utility company, all possible care should be used.

Any open excavations will be covered and/or fenced to prevent worker injury.

All natural surface obstacles (trees, boulders, poles) shall be made safe or removed before starting any drilling.

Of the hazards or hazardous situations noted in this section, there does not appear to be any situation that cannot be adequately controlled. Physical hazards can be minimized by educating the workers about the potential hazards and limiting access to the work area. Chemical hazards can be reduced or controlled by educating the workers about the hazards, using protective equipment supplemented with air monitoring and implementing safe work practices.

AREA CONTROL

Access to a 25' perimeter around the drill rig, decontamination area, and monitoring area will be controlled to reduce the probability of occurrence of physical injury and chemical exposure of field personnel, visitors and the public. This area is known as the exclusion zone. The outer boundary of the exclusion zone will be established according to the location of the drill rig or related equipment. The perimeter will be clearly marked by physical barriers. Access control is established at the periphery of the exclusion zone to regulate the flow of personnel and equipment into and out of the zone and to verify implementation of proper entering and exiting procedures. No one will be allowed into the exclusion zone without the appropriate protective equipment and required training.

The boundaries of the exclusion area will be identified by barricades, or emergency traffic cones or posts, depending on the conditions. If such areas are left unattended, signs warning of the danger and forbidding entry will be placed around the perimeter of the area. This is especially important if the work areas are accessible to the public. Trenches and other large holes will be guarded with wooden or metal barricades spaced no further than 20 feet apart and connected with yellow or yellow and black nylon tape not less than $\frac{3}{4}$ of an inch wide. The barricades will be placed no less than two feet from the edge of excavation or hole.

Entry to exclusion area will be limited to individuals who must work in those areas. Unofficial visitors will not be permitted to enter the area while work is in progress. Official visitors will be discouraged from entering the area, but may be allowed to enter only if they agree to abide by the provisions of this document, follow orders issued by the SSO, and are informed of the potential dangers that could be encountered in the area.

PERSONAL PROTECTIVE EQUIPMENT

The equipment listed below will be available on-site for use when needed:

- + NIOSH-approved **Half-Face Air Purifying Respirators with organic vapor cartridges** (for use only as needed by personnel covered by and trained under EPICS' Respiratory Protection Program).
- + **Protective clothing** such as Tyvex, as appropriate, will be worn while handling contaminated materials
- + **Latex or leather Gloves** will be worn when handling contaminated materials.
- + **Steel-toed boots** must be worn at all times within the exclusion zone.
- + **Earplugs** will be worn by all individuals working around mechanized equipment, when required.
- + A **First Aid Kit** will be available at the site to assist with small scale injuries.
- + **Dry chemical or CO₂ fire extinguishers** will be available at the site and placed in a readily accessible location.
- + **Barricades** will be established to designate the decontamination and exclusion zone areas.

Facial hair must not interfere with respiratory protection equipment. Beards or mustaches that interfere with the seal of the mask will not be permitted on the site.

The "Buddy System" shall be used on site to:

- Warn partner of an impending hazard.
- Provide aid in case of injury, and notify appropriate personnel of accidents.

DECONTAMINATION PROCEDURES

Decontamination of equipment and personnel is necessary to confine the contaminants to the exclusion zone. Prior to leaving the exclusion zone, all major equipment, tools and materials will be cleaned to remove grease, oil, or encrusted dirt. EPICS will provide the necessary components for personnel and equipment decontamination.

Personal Decontamination

A decontamination station and procedure will be established by the SSO during site mobilization. The procedure will consist of a dry decontamination where all gloves, protective clothing and boots will be brushed clean.

Prior to eating and drinking, personnel will wash their hands and faces with soap and water. All contaminated water will be left onsite for the duration of the job.

Affected materials should be removed from skin using a mild detergent and water. Hot water is more effective than cold water and liquid dish washing detergent is more effective than hand soap.

Equipment Decontamination

All major reusable equipment and other tools used for work will be decontaminated prior to leaving the exclusion zone. Equipment will be decontaminated with a 2-bucket wash system: the first bucket being tap water and Alconox solution, and the second being tap water.

DIRECT READING EQUIPMENT/MONITORING

The following direct reading instruments will be on site:

- PID - is the preferred instrument for monitoring total organic vapor concentrations at the site during trenching/excavation operations. At each monitoring location, the ambient background reading (15 minute average) will be measured upwind of the work zone.

Vapor monitoring will be performed as often as necessary and wherever necessary to protect field personnel from hazardous vapors. Monitoring must be performed by individuals trained in the use and care of the required instruments. Due to the fact that toxicity levels are considerably lower than explosivity action levels, monitoring efforts should focus initially on detection of toxic vapors. The presence of explosive levels of gases and vapors should be performed only when gas/vapor concentrations exceed the ppm range of the monitoring instruments and when explosive levels are expected (e.g., inside tanks and other enclosed spaces).

The sample intake orifice or the detector must be positioned in a safe place downwind of the borehole and the instrument alarm should be set to sound at the action level. If the alarm sounds while monitoring for toxic concentrations the sample orifice or detector should be moved so that vapor concentrations in the breathing zone of individuals closest to the excavation are measured. Decisions regarding respirator use should be based on breathing zone vapor concentrations.

Draeger tubes will be available, if needed, for detecting benzene and will be used periodically during activities within the contaminated zones. Colorimetric tubes capable of measuring concentrations of 0.5 to 10 ppm benzene will be maintained on site for this purpose.

The typical variation of detector tubes varies from 10 to 30 percent, depending on the compounds of concern and the concentration ranges measured. Detector tubes are designed for concentration levels at or around the Threshold Limit Value (TLV) for each respective substance.

Each of the response levels and associated actions are described below:

PETROLEUM PRODUCT RESPONSE CRITERIA

Petroleum Products as total Hydrocarbons using a PID	Sample Frequency	Action Taken
THC < 300 ppm and Benzene < 0.1 ppm	30 Minutes	Implement Engineering Controls
300 ppm ≤ THC < 3,000 ppm or 0.1 ppm ≤ Benzene < 10 ppm	30 Minutes	Use Half-face Respirators
THC ≥ 3,000 ppm or Benzene ≥ 10 ppm	30 Minutes	Leave Area

EMERGENCY NOTIFICATION AND REPORTING

The SSO is trained to render basic first aid. Every injury will be reported, investigated and entered in the field log. In the event of fire, explosion, accident or injury, the SSO or other site personnel will contact the appropriate emergency response group. The emergency telephone listed below are for obtaining emergency services at St. Mary's Hospital. Emergency Notification List

- | | |
|--|--|
| 1. EPICS Principal-in-Charge
Contact: Christopher W. Myers | Office (310) 432-9717
Mobile (310) 780-7036 |
| 2. EPICS Project Manager
Contact: Salma Jetha | Office (310) 432-9717 |
| 3. EPICS Site Safety Officer
Contact: Jeff Walker | Office (310) 432-9717 |
| 4. Fire/Paramedics | 911 |
| 5. Police | 911 |
| 6. Poison Control | 911 |
| 7. Hospital- St. Mary's Hospital
1050 Linden Avenue
Long Beach, CA 90801
(310) 491-9000 | |

Directions to Hospital:

Go south on San Francisco Avenue. Turn east (left) onto 14th Street. Turn south (right) onto Atlantic Avenue. The hospital is between 11th and 10th Streets on the right hand side.

**Health And Safety Plan
For The Site Characterization At Long Beach City Tow Yard
901 West Anaheim Street
Long Beach, California**

Project Number: 2302

Project Manager: Salma Jetha

Principal-in-Charge: Christopher W. Myers

Site Health & Safety Officer: Jeff Walker

Start Date: 12/14/95

HASP Expiration Date: 6/14/96

APPROVALS:

Project Manager

Date

12/8/95

DATE _____

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

CITY OF LONG BEACH, CALIFORNIA
DEPARTMENT OF PUBLIC HEALTH
PERMIT TO OPERATE

No. 95-12-03

Date Dec 15, 1995

The Health Department hereby authorizes the permittee named below to operate a

Site Characterization at 901 West Anaheim Street

in conformity with existing ordinances regulating public health and sanitation.

THIS PERMIT NOT TRANSFERABLE, and may be suspended or revoked for just cause.

Permit expires ~~one year from~~ 90 Days From Issuance

Granted to: EPICS International

Doing Business as: same

One World Trade Center, Suite 1890

Long Beach, California 90831-9870

Health Officer: Darryl Sexton, M.D.

THIS PERMIT MUST
BE KEPT POSTED
IN A CONSPICUOUS
PLACE AT ABOVE
ADDRESS

MEMORANDUM

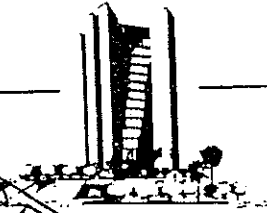
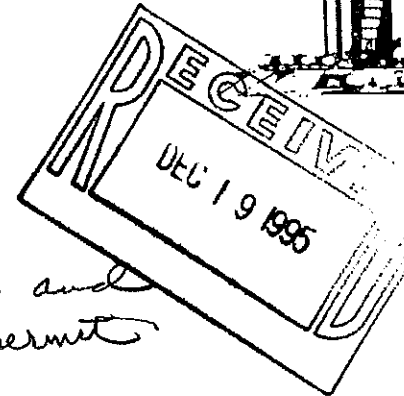
date:
to:
from:
subject:

Carmen Piro

[Signature]

Thank you for your time and
assistance regarding this permit

[Signature]



long beach.ca

SF-52

CITY OF LONG BEACH, DEPARTMENT OF HEALTH AND HUMAN SERVICES

HAZARDOUS MATERIALS DIVISION

DATE 10-10-95

PERMIT APPLICATION

PERMIT NO. _____

C.T. 5754

DT: 643

TYPE OF PERMIT Site Characterization JOB NO. _____

LOCATION 901 West Anaheim Street

TYPE OF ESTABLISHMENT City of Long Beach DBA Towing Yard

OWNER City of Long Bch Fleet Ser-
vices Bureau atty David McCarty
RESIDENCE ADDRESS 2801 E. Willow Street L.B. PHONE 570-5410
BUSINESS ADDRESS 90806

ENVIRONMENTAL CONSULTANT EPTCS International One World Trade Center, Suite 1890, LB 432-9717
BUSINESS ADDRESS PHONE

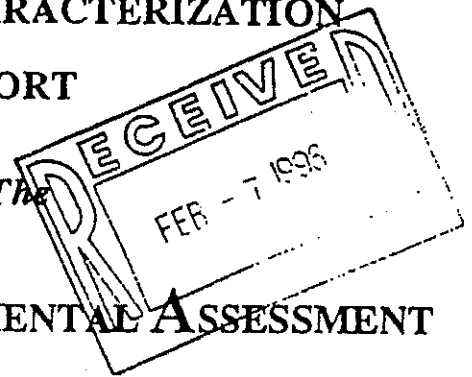
SUB CONTRACTOR David McCarty 2801 E. Willow St. L.B. 570-5410
BUSINESS ADDRESS PHONE

STARTING DATE 12/14/95 EXPIRATION DATE 03/14/96

PRINT NAME C. MYERS SIGNATURE Chapman
David McCarty

**FINAL SITE CHARACTERIZATION
REPORT**

For The



PHASE II ENVIRONMENTAL ASSESSMENT

Of

GASOLINE-IMPACTED SOILS

January 31, 1996

For Property Located at:

**Long Beach City Tow Yard
901 West Anaheim Street
Long Beach, California**

Prepared by:

**EPICS International
One World Trade Center, Suite 1890
Long Beach, CA 90831-1890
phone: (310) 432-9717
fax: (310) 432-4113**

**e-mail: inquiry@epics.com
web page: <http://www.epics.com>**

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Site Information

Long Beach City Tow Yard, located at 901 West Anaheim Street, in Long Beach, California, had one 550-gallon underground storage tank removed on August 30, 1995. The tank was pitted with holes. When the tank was removed, soil samples were collected underneath the tank and from the excavated soil pile and analyzed. According to an analytical report dated August 31, 1995, prepared by Fullerton Environmental Laboratory, the soil underneath the tank contained elevated levels of total petroleum hydrocarbons (TPH) as gasoline and benzene, toluene, ethylbenzene, and xylenes (BTEX). Specifically, 7,500 ppm of gasoline, 22 ppm of benzene, 17 ppm of toluene, 98 ppm of ethylbenzene, and 470 ppm xylenes were detected in the soil underneath the tank at a depth of eight feet below ground surface. No detectable levels of gasoline or BTEX were found in the spoils pile which was composed of soil from around the sides and on top of the tank. (See Exhibit G for a copy of the chain-of-custody and laboratory report, as well as the Long Beach Fire Department Inspection Report.) Because of these elevated levels, further assessment was required to determine the extent of the elevated levels of gasoline and BTEX.

The City Tow Yard is owned by the City of Long Beach and is maintained by the Fleet Services Bureau, 2801 East Willow Street, Long Beach, CA 90806. The Fleet Services Supervisor for this site is David McCarty, (310) 570-5410. A plot plan of the facility may be found in Exhibit A.

EPICS International was retained by the City of Long Beach to perform a characterization of the site in order 1) to determine the vertical and horizontal extent of contamination at the site; 2) to determine the concentration and type of contamination involved; and 3) to determine if groundwater has been impacted. This report serves as the Final Site Characterization Report for the impacted soil.

All work performed by EPICS International was done in accordance with all applicable local, state, and federal laws and regulations. EPICS submitted an Initial Assessment Report as a

workplan for this project to the City of Long Beach Department of Health and Human Services on December 11, 1995. A copy of the Permit-to-Operate for site characterization issued by the City of Long Beach Department of Public Health covering this work can be found in Exhibit 2.

Prior to beginning work onsite, EPICS notified the City of Long Beach Department of Health and Human Services and Underground Services Alert to mark subsurface utilities in the proposed drilling areas.

Environmental Setting

Site Geology

Regionally, the site is within the southwestern portion of the Coastal Plain of Los Angeles County, which is bounded by the Santa Monica Mountains on the north, the Elysian, Repetto, Merced, and Puente Hills on the northeast, and the Pacific Ocean on the south and west. The City of Long Beach is located near the southern boundary of the plain. Therefore, the tectonic setting, structure and stratigraphy here parallel that of the plain as a whole. The most visible geologic structure in the city is the Newport-Inglewood structural zone, which runs from Beverly Hills southeast to Newport Beach. Its major surface features include the Baldwin Hills, Dominguez Hills, and Signal Hill. This zone divides the city diagonally and separates the basin's primary southwestern and central structural blocks. This zone has been recognized as an effective, near-surface groundwater barrier (Randell, p. 21).

Surficial deposits in the area of the site are believed to be from the Terrace Cover structure, comprising reddish-brown sand, nonfossiliferous and probably largely continental. The stratigraphy below this is Palos Verdes Sand, comprising sand and some pebble gravel, fossiliferous and marine, which crops out locally at edges of mesas, followed by unnamed deposits of silt, sand, and gravel, which are inferred to crop out only locally at edges of mesas. Local unconformity separates this structure from the San Pedro Formation, which is made up of sand, gravel, silt and clay, which includes Lomita marl, Timm's Point silt, and San Pedro

Sand members (Randell, p. 23). Below this are the Pico, Repetto, and Puente Formations (Randell, p. 27).

The site is part of the Long Beach Plain, an older marine plain, which is bounded on the north by Signal Hill and on the northeast by the Bixby Ranch Hill, parts of the Newport-Inglewood structure. It lies between the Dominguez Gap on the west and the Alamitos Gap on the east. The Pacific Ocean serves as its southern boundary. The Long Beach Plain was once joined to the Torrance Plain, but has been separated by the downcutting of the Los Angeles River system. As a result, it is underlain by the same kind of sediments as the Torrance Plain (DWR, pp. 27-28).

The site is located in Sections 35 and 36 of Township 4 S., Range 13 W. within the City of Long Beach, County of Los Angeles, California. This site is located on the U.S. Geologic Survey (USGS) Long Beach quadrangle (1964, photo revised 1981) topographic map (see Exhibit 3). The elevation is approximately 10 feet above mean sea level. By examination of the topographic map, it is apparent that the land generally slopes west towards the Los Angeles River.

Site Hydrogeology

One of the three main stream channels for the Coastal Plain of Los Angeles County, the Los Angeles River, is approximately 200 feet west of the site and discharges into the Pacific Ocean. This river flows southerly across the plain and drains the San Fernando Valley and central basin. The second main channel, the San Gabriel River, lies about four miles to the east of the site, and drains the San Gabriel Valley and the eastern Downey Plain, before emptying into the Pacific Ocean.

The Coastal Plain of Los Angeles County is divided into four groundwater basins. These basins are generally separated from one another by geologic features which impede groundwater movement. The site is in the West Coast Basin. This basin extends southwesterly from the Newport-Inglewood uplift to the Santa Monica Bay, to Palos Verdes

and to San Pedro Bay. It extends from the Ballona Excarpment and Baldwin Hills on the northwest to the county line on the southeast (DWR, p. 129). Although much of the basin has undergone extensive subsurface geologic investigation, much less is known about the Long Beach Plain because few wells have been drilled there (DWR, p. 129). However, it is believed that the aquifers in this basin have reduced capacity to contain and transmit groundwater (LADPWb, p. 10).

The depth to groundwater at the site was believed to be about 15 feet below the ground surface, based on EPICS' experience at a location about 300 yards north of the SITE where a groundwater sample was obtained six months ago. However, groundwater was encountered during this investigation at about eight feet below ground surface.

Groundwater Well Information

According to the most recently available well data records that were obtained on September 13, 1995 from Geneva Arismendy with the Los Angeles County Department of Public Works (LACDPW), Hydraulic/Water Conservation Division, the closest active groundwater well to the site (Well #400) is located near the intersection of Hill Street and Magnolia Avenue about one mile north-northeast of the site. The last recorded depth to groundwater (measured on 10/13/94) was 20.0 feet bgs. The ground surface elevation at this location is 13.1 feet above Mean Sea Level. Thus, the water surface elevation at this location is 6.9 feet below Mean Sea Level.

Information provided by Bob Villanueva, Senior Civil Engineer with the Long Beach Water Department, on December 8, 1995, indicates the closest active drinking water well to the site is Citizen Well #10. Its most recent measurement on March 11, 1995, indicated groundwater depth at 73 feet below ground surface and a surface elevation of about 47 feet. Therefore, the water surface elevation is 26 feet below Mean Sea Level. This well is located near Spring Street between Temple and Redondo Avenues, which is approximately four miles northeast of the site. He stated that the Water Department does not use groundwater for drinking water from wells south of Pacific Coast Highway because the water is discolored and the quality is

low. Apparently, wells south of Pacific Coast Highway have not been used for a long time. The Water Department uses groundwater north of Pacific Coast Highway.

Sources

Los Angeles County Department of Public Works (LADPW), *Hydrologic Report 1992-93*, Hydraulic/Water Conservation Division, July 1994.

Los Angeles County Department of Public Works (LADPWb), Hydraulic/Water Conservation Division, *Dominguez Seawater Barrier*, undated.

Los Angeles County Flood Control District, *Coastal Plain Well Location Map: Shallow Aquifer*, 1978.

Randell, David H., et al., *Geology of the City of Long Beach, California, United States of America*, Bulletin of the Association of Engineering Geologists, Vol. XX, No. 1, 1983.

State of California Division of Oil and Gas (DOG), *California Oil and Gas Fields, Vol. II, South, Central Coastal, and Offshore California*, Second Edition, 1974, reprinted 1984.

State of California Department of Water Resources (DWR) Southern District, *Planned Utilization of the Ground Water Basins of the Coastal Plain of Los Angeles County, Appendix A: Groundwater Geology*. Bulletin No. 104. June 1961.

U.S. Geological Survey, Long Beach, California quadrangle, 1964 (photorevised 1981).

Discussions with the Long Beach Water Department, Bob Villanueva, December 8, 1995.

Discussions with the Los Angeles County Department of Public Works, Hydraulic/Water Conservation, Geneva Arismendy, on September 13, 1995.

Screening Procedures

The source of the contamination has been identified as the 550-gallon underground fuel tank that was previously present at the site. Site characterization efforts occurred on December 14, 1995 and January 18, 1996. Soil samples were collected from six soil borings excavated

at the site and three samples were collected from the beneath the exposed surfaces of the excavation; the locations of these borings and samples can be found in Exhibit D. The first boring (B-1) was located adjacent to the excavated pit, in the southwest corner. Borings B-2, B-3, B-4 and B-5 were drilled in four lateral directions at distances of approximately 20 feet, 15 feet, 20 feet, and seven feet, respectively, from the center of the excavation. Boring B-6 was drilled approximately six feet from the center of the excavation near the southeast corner, and approximately 14 feet from Boring B-4. These locations were chosen in an effort to delineate the plume by identifying areas where no contamination would be detected.

In addition, soil samples were collected from the north and south sidewalls of the excavation at a depth of six feet below ground surface (and one foot depth into the exposed sides of the excavation). One additional soil sample was collected from the center of the excavation at a depth of approximately 10 feet below ground surface (and five feet below the exposed excavation).

Field screening procedures used to determine the location of borings and total depth primarily consisted of visual observation and odor. A photoionization detector (PID) was also used to supplement these screening techniques. As sampling was performed, a portion of the soil from each sampler was extruded into a zip-lock baggie, placed in the sun, and allowed to volatilize. A head space analysis was performed using a PID calibrated to a 100 ppm isobutylene standard. After being left at ambient temperature for approximately 10 minutes, the head space in the bag was evaluated using the PID. This instrument registers the concentration of total organic vapors in the head space, which is an indication of the presence of volatile organic materials in the soil. PID readings generally increased with depth.

Boring Depth

Borings B-1, B-3, B-4, B-5 and B-6 were advanced to 10 feet below the ground surface. Boring B-2 was advanced to a depth of 13 feet below the ground surface. Groundwater was encountered in all six borings. The depth to water was measured at approximately eight feet below ground surface in Borings B-2 and B-3. The depth to water in Borings B-4, B-5, and

B-6 was measured at approximately 8.5 feet below ground surface. Borings B-5 and B-6 were drilled a few days after a light rainfall, whereas Borings B-1, B-2, B-3 and B-4 were drilled the day following a moderate rainfall.

Soil Cutting Disposal

Because hand augering techniques were used to drill the borings, very small quantities of soil cuttings were generated during the sampling and analysis procedures. Cuttings that were determined to be clean based on visual and olfactory inspection were backfilled into the boring. Potentially contaminated cuttings were piled onsite and covered with plastic for proper disposal with other soil onsite.

Sampling Plan

Soil samples were taken from each borehole at five foot intervals as described below. The number of samples taken depended on the depth of each boring. Two soil samples were taken from Borings B-1, B-3, B-4, B-5 and B-6. Three soil samples were collected from B-3. A single sample was taken from the north and south sidewalls of the excavation and from the bottom center. All of the soil samples were analyzed for the full carbon chain fingerprint (EPA Method 8015M) and BTEX (EPA Method 8020).

Groundwater samples were also collected from Borings B-1, B-2, B-3, B-5 and B-6 at the air-water interface. All five of these samples were also analyzed for the full carbon chain fingerprint (EPA Method 8015M) and BTEX (EPA Method 602). No groundwater sample was taken from Boring B-4, although both the soil and water at that location had hydrocarbon odor.

Sampling Protocol

Drilling

Drilling and sampling activities were supervised by a California-Registered Civil Engineer (P.E.) with extensive soils engineering experience. A detailed log of the drilling activities and materials encountered were maintained by the P.E. (see Exhibit E). Drilling and sampling

methods followed procedures described in the California Department of Health Services Site Mitigation Decision Tree Manual (CDHS, 1986).

The boreholes were drilled using a hand auger, primarily because of an electrical line running directly over the excavated pit in an east to west direction. No drilling fluids were introduced into the boreholes. Rubble fill was encountered in the first three feet below the ground surface (except at Boring B-5). An electric-powered jack hammer was required to break through the asphalt surface and to assist in digging through this rubble. Drilling was performed to document hydrologic conditions, lithologically log the borehole, and allow collection of subsurface soil and water samples for chemical analysis.

All boreholes drilled during this characterization were backfilled with bentonite chips and hydrated with water, with the last one or two feet backfilled with soil.

Sampling Procedures

Soil samples and groundwater samples were collected from the boreholes for laboratory analysis. Soil samples were obtained at intervals of five feet. After the auger was advanced to the desired depth, a 2-inch (O.D.) diameter soil sampler containing one 6-inch-long by 1.875-inch diameter brass sleeve was lowered into the borehole. The sampler was driven into the soil using a slide hammer. After the sampler was advanced 6 inches, it was brought to the surface and the brass sample sleeve was removed. Both ends of the sample sleeve were immediately sealed with Teflon™ and plastic end caps. Soil samples were labeled and held in a chilled ice chest for transport to the laboratory.

Data obtained for each sample was recorded in the field and included the following:

1. Sample depth interval and the sample number.
2. Description of soil and moisture condition.
3. Lithologic changes within the samples.
4. Sampler penetration and recovery lengths.

This information is included in the borehole logs completed by the site engineer (Exhibit E).

Groundwater samples were collected from Borings B-1, B-2, B-3, B-5 and B-6. Once water was reached, the auger was advanced an additional two feet and then removed. Water samples were pulled with a single-use PVC bailer and transferred to two 40mL glass VOA vials. The sample was labeled with the boring number and depth and stored in a chilled ice chest for transport to the state certified laboratory.

Equipment Decontamination

Decontamination of drilling equipment was accomplished by washing with a one-percent AlconoxTM and water mixture and then double-rinsing with potable water. The soil sampler was decontaminated after each sample was collected following the above procedures.

Laboratory Results

At the completion of field activities, all samples were kept in a chilled condition until pickup by Southland Technical Services, a California-certified analytical laboratory located at 7801 Telegraph Road, Suite J, Montebello, CA 90640. Southland Technical Services is certified by the California Department of Health Services Environmental Laboratory Accreditation Program. Proper chain-of-custody documentation was maintained throughout the process. The samples were analyzed by the lab within one week (refer to Exhibit 6 for Chain-of-Custody & Lab Results).

Selected samples were tested for the following:

- Carbon Chain Fingerprint, using modified EPA Method 8015;
- BTEX, using EPA Method 8020 for soil and EPA Method 602 for water; and
- Total Dissolved Solids, using EPA Method 160.1 (water only)

The results of the analysis show that Boring B-2 is the only boring in which both the soil and groundwater do not contain TPH and BTEX above the laboratory detection limits or

regulated levels. The extent of contamination in the other borings varies. The results of the analytical testing performed on soil and water samples are reported in Table 1 and Table 2, respectively. In both tables, entries are in bold where the value exceeds the California Regional Water Quality Control Board, Los Angeles Region action threshold for petroleum contamination within 40 feet of a drinking water supply. (Note: Even though groundwater in the area of the site is not used for drinking water, and is not considered a potential drinking water source by the City of Long Beach Water Department, Board policy to treat all groundwater as potential drinking water sources unless the Total Dissolved Solids exceeds 3,000 ppm, deliverability is less than 200 gallons per day, or the existing contamination cannot be reasonably treated. The TDS level for the groundwater sampled from Boring B-1A is 1,800 ppm.)

Table 1. Soil Sample Analysis mg/kg (ppm)

Sample	Gasoline (C4-C12)	Diesel (C13-C23)	Motor Oil (C24-C40)	Benzene	Toluene	Ethylbenzene	Xylenes
B-1, 5.5'	125	42	ND	0.33	0.33	1.85	3.5
B-1, 10'	ND	ND	ND	0.086	0.15	0.32	1.6
B-2, 5'	ND	ND	ND	ND	ND	ND	ND
B-2, 10'	ND	ND	ND	ND	ND	ND	ND
B-2, 13'	ND	ND	ND	ND	ND	ND	ND
B-3, 5'	ND	ND	ND	ND	0.012	0.009	ND
B-3, 10'	690	29	ND	3.9	4.1	11	49
B-4, 5'	3,350	270	ND	4.0	7.0	8.5	320
B-4, 10'	1,400	145	ND	9.5	6.6	30	150
B-5, 5.5'	3.3	ND	ND	ND	ND	0.005	0.015
B-5, 10'	5,500	530	ND	27	48	110	540
B-6, 5'	28	ND	ND	ND	ND	0.18	ND
B-6, 10'	1,640	140	ND	13	14	37	170
N side, 6'	74	51	ND	0.096	0.12	0.24	0.69
Center, 10'	286	26	ND	2.1	6.6	6.5	35
S side, 6'	2,800	230	ND	13	4.8	37	270

Table 2. Water Sample Analysis mg/L (ppm)

Sample	Gasoline (C4-C12)	Diesel (C13-C23)	Motor Oil (C24-C40)	Benzene	Toluene	Ethylbenzene	Xylenes
B-1 A, 10'	3,400	600	ND	7.4	18.0	108.0	703.0
B-2 A, 10'	ND	ND	ND	ND	ND	0.0006	0.0019
B-3 A, 10'	1,200	160	ND	1.52	2.66	3.56	15.0
B-5 A, 10'	3,000	94	ND	18.0g	42.4	84.6	445.0
B-6 A, 10'	200	28	ND	7.2	4.1	7.6	34.8

Contaminant Plume

The results of the analyses show that there is slight soil contamination on the north side of the excavation, and more extensive contamination on the south side. However, the soil contamination does not appear to have spread very far through the soil. Results from Boring B-1 at 5.5' are significantly lower than the results of the sidewall sample collected from the south side of the excavation, which is closer to the source. In addition, the results from Boring B-6 at 5' are all either below detectable levels or below action levels. This boring is only five feet to the east of the south sidewall sampling point. Samples taken at five (or 5.5) feet below the ground surface from Borings B-2, B-3 and B-5 also show results either below detectable levels or below action levels.

The results from Boring B-4, on the other hand, show significant levels of contamination at five feet below the ground surface. It does not appear likely that this contamination stems from the tank location, since there is virtually no contamination at this level at Boring B-6, which lies directly between the tank location and Boring B-4. Instead, it appears more likely that the contamination found at Boring B-4 resulted from a different source, such as the tow yard operations. Boring B-4 is located within the actual tow yard, an area where vehicles are towed in and parked. This area is quite active, with cars being brought in and removed regularly.

The results also show significant contamination of soil at 10' below the ground surface in Borings B-3, B-4, B-5 and B-6, and in the center of the excavation. In all cases, these samples were collected below the upper surface of the groundwater. No contamination at 10' below the ground surface was detected in Boring B-2, which is located about 20' to west-southwest of the tank site.

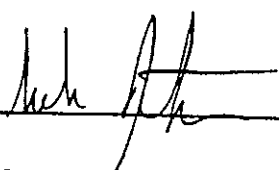
Groundwater taken from next to the source, at Boring B-1, showed levels of TPH well above action levels. Contamination in Boring B-2 was either below detectable levels or below action levels. This suggests that groundwater is not flowing in this direction (west-southwest) or that contamination may just not have extended to this point. There is significant groundwater contamination to the northwest of the tank, at Boring B-5, to the northeast, at Boring B-3, and to the south, at Boring B-6.

Conclusions and Recommendations

It is evident that the petroleum hydrocarbon contamination of the soil has largely moved downward to groundwater. The only area where the amount of contamination in the soil is high enough to warrant action is the immediate area of the former tank location. It appears that this area extends approximately three feet or less along the south side of the existing pit, as well as approximately a foot or so along the north side. It is recommended that this soil be removed by excavation to a depth of about eight feet below ground surface, or to groundwater, whichever occurs first. During excavation and removal of the soils, sidewall samples should be collected and analyzed to verify that the impacted soils have been adequately removed. This will also assist in determining if the contamination encountered in Boring B-4 is from a separate source.

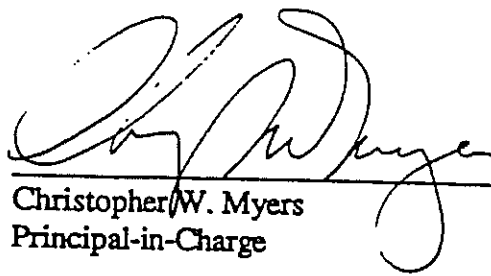
It is also recommended that three to four groundwater monitoring wells be installed around the former tank in order to determine the gradient direction and to monitor the levels of contamination. Once these wells are installed, it may be possible to determine whether other sources have contributed to contamination of groundwater.

Certification



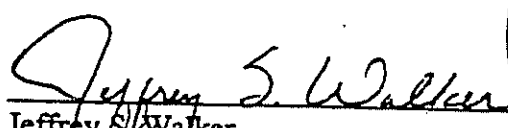
Salma Jetha
Project Manager

1/29/96
Date



Christopher W. Myers
Principal-in-Charge

1/26/96
Date



Jeffrey S. Walker
Professional Civil Engineer

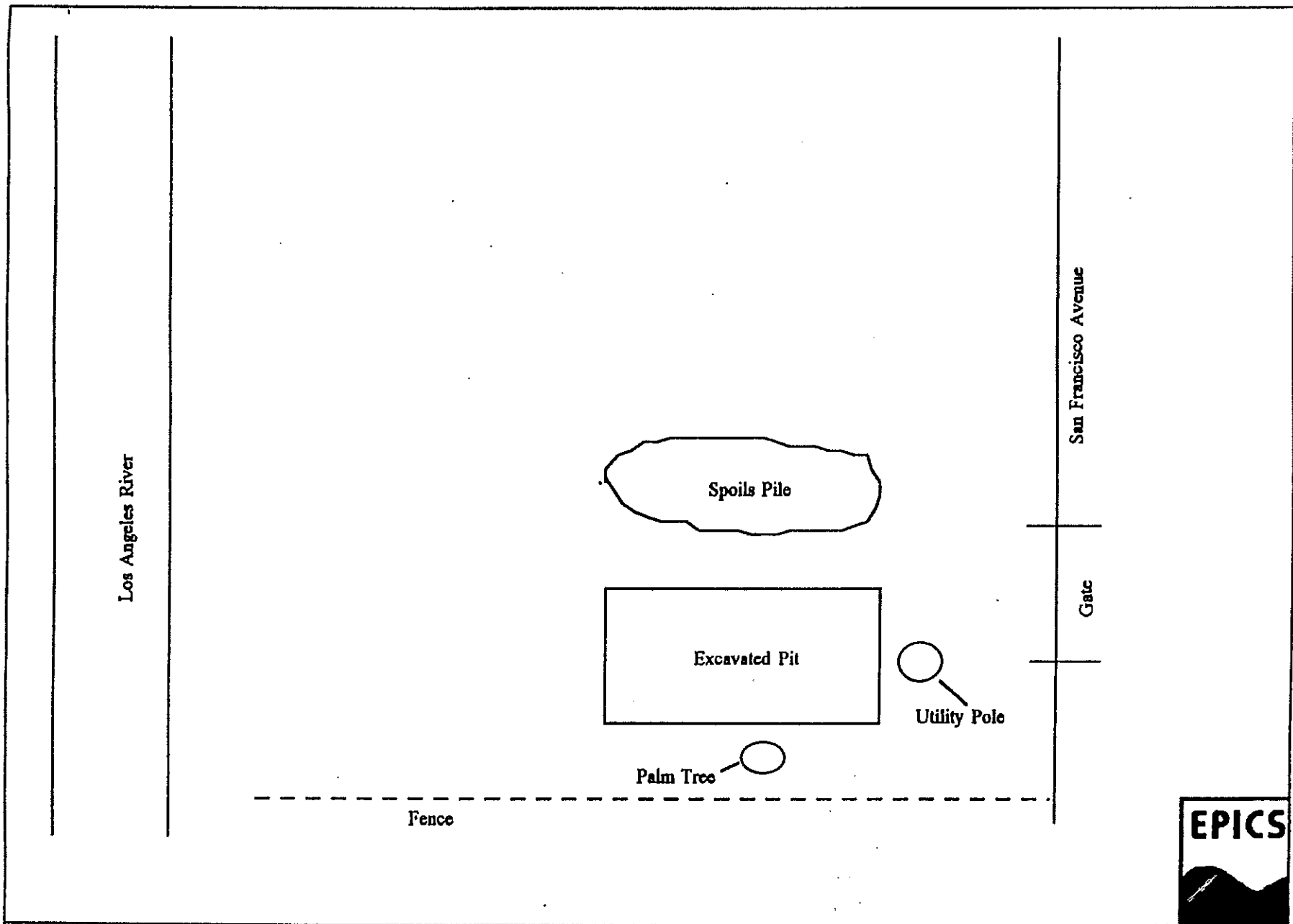


1/31/96
Date

Appendices

- Exhibit A. Site Plot Plan
- Exhibit B. Health Department Permit
- Exhibit C. Topographic Site Map
- Exhibit D. Boring Locations Map
- Exhibit E. Boring Logs
- Exhibit F. Chain-of-Custody and Laboratory Results
- Exhibit G. Lab Results from Previous Investigation

Exhibit A. Site Plot Plan



Site Name: Long Beach City Tow Yard	Prepared By: EPICS International
Site Address: 901 West Anaheim Street	Address: One World Trade Center, Suite 1890 Long Beach, CA 90831-1890

Exhibit B. Health Department Permit

CITY OF LONG BEACH, CALIFORNIA
DEPARTMENT OF PUBLIC HEALTH
PERMIT TO OPERATE

No. 95-12-03

Date Dec 15, 1995

The Health Department hereby authorizes the permittee named below to operate a

Site Characterization

at 901 West Anaheim Street

in conformity with existing ordinances regulating public health and sanitation.

THIS PERMIT NOT TRANSFERABLE, and may be suspended or revoked for just cause.

Permit expires ~~on expiration~~ 90 Days From Issuance

Granted to: EPICS International

Doing Business as: same

One World Trade Center, Suite 1890

Long Beach, California 90831-1890

Health Officer: Darryl Sexton, M.D.

ALL WORK MUST BE PERFORMED IN
CONFORMANCE WITH ALL APPLICABLE
FEDERAL, STATE AND LOCAL LAWS
AND REGULATIONS.

THIS PERMIT MUST
BE KEPT POSTED
IN A CONSPICUOUS
PLACE AT ABOVE
ADDRESS

Exhibit C. Topographic Site Map

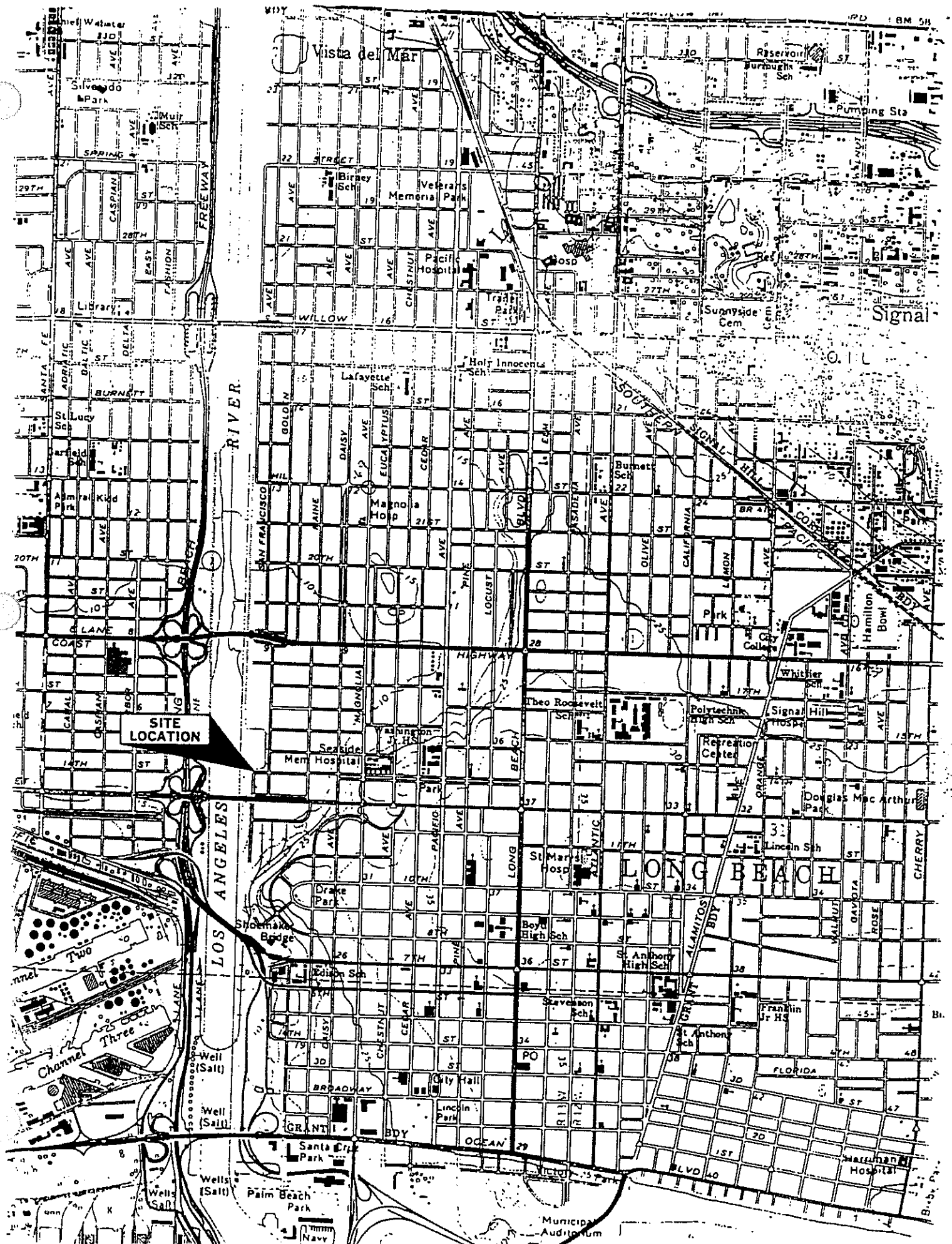
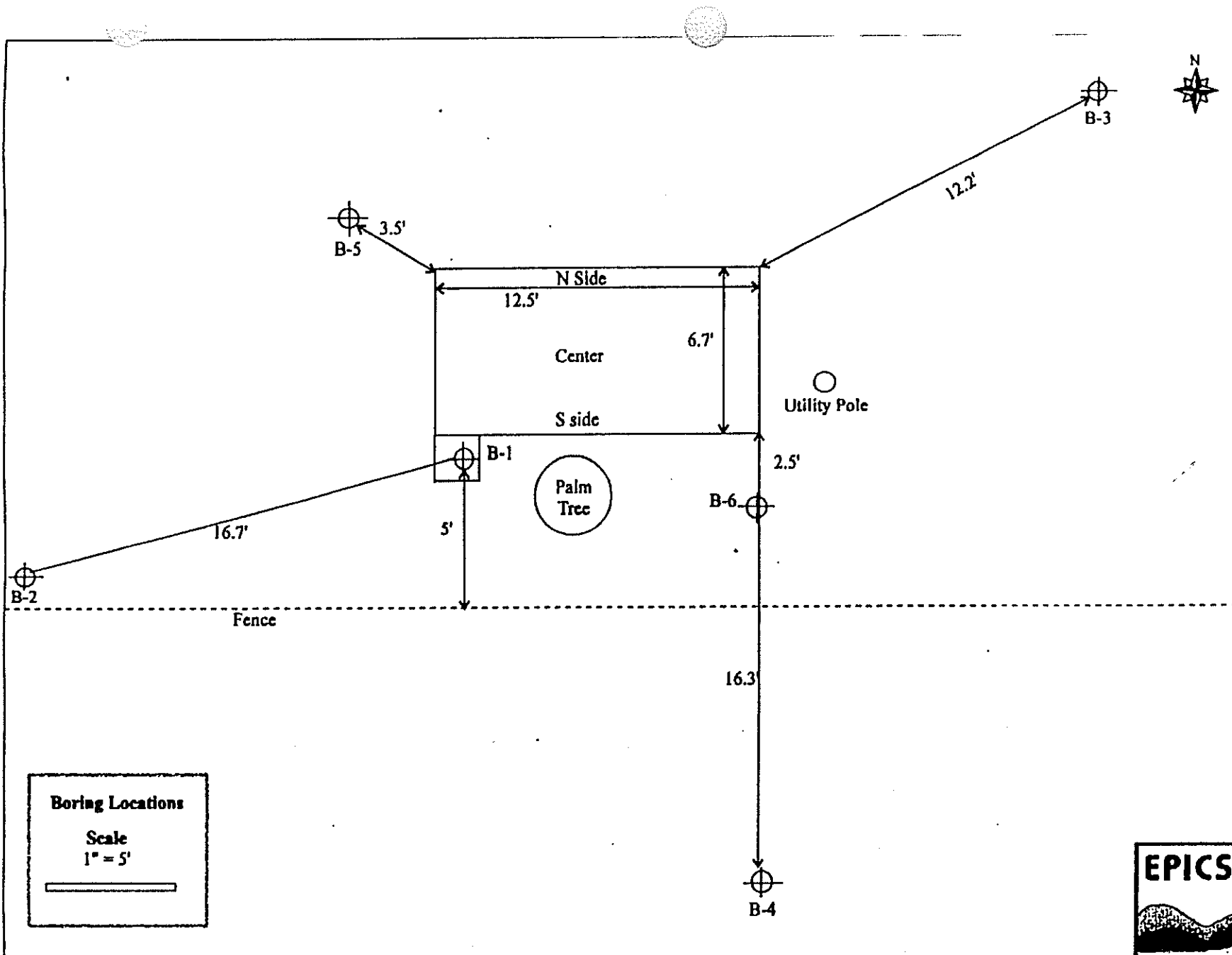


Exhibit D. Boring Locations Map



Business Name	Long Beach City Tow Yard	Prepared By	EPICS International
Address	901 West Anaheim Street Long Beach, CA	Address	One World Trade Center Suite 1890 Long Beach CA

Exhibit E. Boring Logs

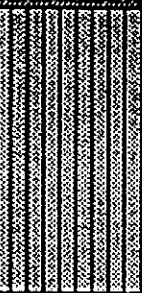
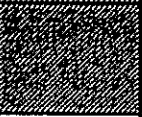
BORING LOG

Boring# B-1 Date Drilled 12/14/95 Logged by Jeff Walker Project Manager Salma Jetha

Project# 2302 Location 901 West Anaheim Street Long Beach, CA

Surface Elevation(ft) 10 MSL Depth to Water(ft) 8 bgs

The data presented in this log is a simplification of actual conditions encountered and applies only at the location of this boring and at the time of drilling. Sufsurface conditions may differ at other locations and may change with the passage of time.
Nomenclature follows the USCS Classification.

Depth (ft)bgs	Graphic Log	Lithologic Description	PID (ppmV)	Blows/Foot	Notes
— 3		Rubble Fill			
		(CL) Brown clay			Petroleum odor
— 5		(SM) Gray silty sand			Petroleum odor
— 7		(ML) Gray clayey silt			Petroleum odor, wet
▽		(CL) Gray clay			Petroleum odor & staining
— 9		(CL) Gray sandy clay	18.0		Petroleum odor & staining
		Boring terminated @ 10 feet below ground surface.	25.0		
— 11					
— 13					

BORING LOG

Boring# B-2 Date Drilled 12/14/95 Logged by Jeff Walker Project Manager Salma Jetha

Project# 2302 Location 901 West Anaheim Street Long Beach, CA

Surface Elevation(ft) 10MSL Depth to Water(ft) 8 bgs

The data presented in this log is a simplification of actual conditions encountered and applies only at the location of this boring and at the time of drilling. Sufsurface conditions may differ at other locations and may change with the passage of time.
Nomenclature follows the USCS Classification.

Depth (ft)bgs	Graphic Log	Lithologic Description	PID (ppm V)	Blows/Foot	Notes
3		Rubble Fill			
		(SC) Clayey sand			
		(ML) Clayey silt			
5		(SM) Silty sand	0		
		(SP) Fine-grained gray sand			Wet
7		(ML) Gray silt with some clay			Moist
		(SC) Gray clayey sand			Wet
9		(CL) Gray clay	0.5		
		(SM) Brown silty sand	0.4		
11		(CL) Light brown clay			No odor
3		Boring terminated @ 13 feet below ground surface.			

BORING LOG

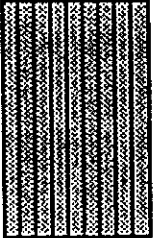
Boring# B-3 Date Drilled 12/14/95 Logged by Jeff Walker Project Manager Salma Jetha

Project# 2302 Location 901 West Anaheim Street Long Beach, CA

Surface Elevation(ft) 10 MSL Depth to Water(ft) 8 bgs

The data presented in this log is a simplification of actual conditions encountered and applies only at the location of this boring and at the time of drilling. Sufsurface conditions may differ at other locations and may change with the passage of time.

Nomenclature follows the USCS Classification.

Depth (ft)bgs	Graphic Log	Lithologic Description	PID (ppm V)	Blows/Foot	Notes
-3		Asphalt Rubble Fill			
		(ML) Gray clay silt			Slight odor
-5		(SM) Gray silty sand	9.4		Slight odor Moist, odor
-7		(ML) Gray clayey silt			Very moist, odor
-9		(CL) Gray clay	24.7		Wet, odor
-11		Boring terminated @ 10 feet below ground surface.			
-13					

BORING LOG

Boring# B-4 Date Drilled 12/14/95 Logged by Jeff Walker Project Manager Salma Jetha

Project# 2302 Location 901 West Anaheim Street Long Beach, CA

Surface Elevation(ft) 10MSL Depth to Water(ft) 8 bgs

The data presented in this log is a simplification of actual conditions encountered and applies only at the location of this boring and at the time of drilling. Sufsurface conditions may differ at other locations and may change with the passage of time.

Nomenclature follows the USCS Classification.

Depth (ft)bgs	Graphic Log	Lithologic Description	PID (ppm V)	Blows/Foot	Notes
		Asphalt			
-3		Rubble Fill			
		(ML) Sandy silt	32.4		Moist, odor
-5		(ML) Gray clayey silt			Moist, odor, stained
		(SP) Fine grained sand			Dry odor, no stain
-7		(SC) Clayey sand			Dry, odor, no stain
		(CL) Silty clay	84.4		Very moist, odor
-9		Boring terminated @ 10 feet below ground surface.			Moist, slight odor
-11					
-13					

BORING LOG

Boring# B-6 Date Drilled 1/18/95 Logged by Jeff Walker Project Manager Salma Jetha

Project# 2302 Location 901 West Anaheim Street Long Beach, CA

Surface Elevation(ft) 10 MSL Depth to Water(ft) 8.5 bgs

The data presented in this log is a simplification of actual conditions encountered and applies only at the location of this boring and at the time of drilling. Sufsurface conditions may differ at other locations and may change with the passage of time. Nomenclature follows the USCS Classification.

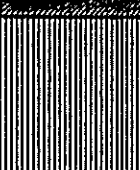
Depth (ft)bgs	Graphic Log	Lithologic Description	PID (ppmV)	Blows/Foot	Notes
3		Rubble Fill			
		(CL) Brown clay			Petroleum odor
5		(ML) Gray clayey silt			Petroleum odor, staining, moist
7		(CL) Gray clay			Petroleum odor, wet
9		(ML) Gray clayey silt			Petroleum odor, staining, wet
11		Boring terminated @ 10 feet below ground surface.			
13					

Exhibit F. Chain-of-Custody and Laboratory Results

Exhibit G. Lab Results from Previous Investigation

BY:

8-31-95 : 17:42 :FULL. ENVIR. LAB. -

310 424 4062:#15/16

FULLERTON ENVIRONMENTAL
LABORATORY RESULTS

Client:	Maness Environmental	Report Date:	08/31/95
Client Address:	P.O. Box 90939	FEL Ref. No.:	4932
	Long Beach, CA 90809	Client Ref. No.:	51000
Attn:	Scott Hulmer		
Project:	City of Long Beach - Towing	Date Sampled:	08/30/95
Project Address:	901 W. Anaheim St.	Date Received:	08/30/95
	Long Beach, CA	Date Analyzed:	08/31/95
		Physical State:	Soil

Modified EPA 8015 - Volatile Hydrocarbons (as Gasoline)

<u>Sample ID</u>	<u>Concentration</u> <u>(mg/Kg)</u>	<u>Surrogate</u> <u>Recovery</u> <u>(%)</u>	<u>Reporting</u> <u>Limits</u> <u>(mg/Kg)</u>
C-8	7500	101	2500
P-1	ND	73	1.0

ND = Not Detected

BY:

8-31-95 : 17:42 :FULL. ENVIR. LAB.

310 424 4062:#14/16

FULLERTON ENVIRONMENTAL
LABORATORY RESULTS

Client:	Maness Environmental	Report Date:	08/31/95
Client Address:	P.O. Box 90939	FEL Ref. No.:	4932
	Long Beach, CA 90809	Client Ref. No.:	51000
Attn:	Scott Hultner		
Project:	City of Long Beach - Towing	Date Sampled:	08/30/95
Project Address:	901 W. Anaheim St.	Date Received:	08/30/95
	Long Beach, CA	Date Analyzed:	08/31/95
		Physical State:	Soil

EPA 8020 - Volatile Aromatic Hydrocarbons (BTEX)

Sample ID	Benzene	Toluene	Ethylbenzene	Xylenes	Surrogate Recovery (%)
IC-8	22	17	98	470	114
SP-1	ND < 0.005	ND < 0.005	ND < 0.005	0.013	84

ND = Not Detected

ullerton

**Environmental
Laboratory**

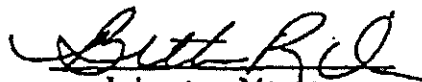
LABORATORY REPORT

Client:	Maness Environmental	Report Date:	08/31/95
Client Address:	P.O. Box 90939	FEL Ref. No.:	4932
	Long Beach, CA 90809	Client Ref. No.:	51000
Client:	Scott Hulmer	Date Sampled:	08/30/95
Project:	City of Long Beach - Towing	Date Received:	08/30/95
Project Address:	901 W. Anaheim St.	Date Analyzed:	08/31/95
	Long Beach, CA	Physical State:	Soil

ANALYSES REQUESTED:

- EPA 8020 - Volatile Aromatic Hydrocarbons (BTEX)
- Modified EPA 8015 - Volatile Hydrocarbons (as Gasoline)

Approval:


Laboratory Manager
Beth Riley

CHAIN OF CUSTODY RECORD

Lab Job Number V51257

Client Name EPICS International						Analyses Requested				Turn Around Time Requested		
Address One World Trade Center #1890 Long Beach Ca 90803						602/8020 (BTEX)	Full 8015M (Gasoline)	Carbon 8015M (Diesel)	418.1	Torn Discolored Solid	☐ Rush 8 12 24 Hours ☐ 2-3 days ☒ Normal	
Report Attention SALMA		Phone # 310 432 9717 Fax # 310 432 4113		Sampled By							Sample Receipt Conditions	
Project No./Name 2302		Project Site Long Beach City Tow Yard									☐ Chilled ☐ Intact ☐ Sample Seals	
Client Sample ID	Sample Collection		Matrix Type	Sample Preserve	No., type* & size of container						Lab Sample ID	Remarks
	Date	Time										
B-1 5 1/2'	12/14/95	9:20 am	Soil		B	X	X	X			V1259-1	
B-1 10'		10:40	Soil		B	X	X	X			-2	
B-1 10'		11:00	Water		G							
B-1A 10'		11:00	Water		G	X	X	X		X	-3	
B-2 5'		12:00	Soil		B	X	X	X			-4	
B-2 10'		12:30	Soil		B	X	X	X			-5	
B-2 13'		12:50	Soil		B	X	X	X			-6	
B-2		13:00	Water		G							
B-2 A		13:00	Water		G	X	X	X			-7	
B-3 5'		14:45	Soil		B	X	X	X			-8	
B-3 10'		15:45	Soil		B	X	X	X			-9	
B-3		16:00	WATER		G							
B-3A		16:00	WATER		G	X	X	X			-10	
B4-5'		17:00	Soil		B	X	X	X			-11	
B4-10'		17:30	Soil		B	X	X	X			-12	
Relinquished By [Signature]		Company EPICS		Date 12/15/95	Time 10:30	Received By [Signature]		Company EPICS		*Sample Container Types: A=Air Bag B=Brass Tube G=Glass Container P=Plastic Bottle ST=Steel Tube V=VOA Bottle		
Relinquished By [Signature]		Company EPICS		Date 12/15/95	Time 14:20	Received By [Signature]		Company SIS				

STS E. L.

7801 Telegraph Road, Suite J.
Montebello, CA 90640Tel: 213-888-0728
Fax: 213-888-1509

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

Distribution: WHITE with report, YELLOW to STS, PINK to courier.



Southland Technical Services, Inc.
Environmental Laboratories

31 Telegraph Road, Suite J
Irvine, CA 92640

Phone (213) 888-0728
Fax (213) 888-1509

12-21-1995

Mr. Chris Myers
EPICS International
One World Trade Center, #1890
Long Beach, CA 90831

Project: 2032
Project Site: Long Beach City Tow Yard
Sample Date: 12-14-1995
Lab Job No.: V51259

Dear Mr. Myers:

Enclosed please find the analytical report for the sample(s) received by STS Environmental Laboratories on 12-15-1995 and analyzed by the following EPA methods:

EPA 8015M(Carbon Chain Finger Print)
EPA 602/8020 (BTEX)
EPA 160.1 (Total dissolved solids)

All analyses have met the QA/QC criteria of this laboratory.

The sample(s) arrived in good conditions (i.e., chilled, intact) and with a chain of custody record attached.

STS Environmental Laboratory is certified by the CA DHS (Certificate Number 1986). Thank you for giving us the opportunity to serve you. Please feel free to call me at (213) 888-0728 if our Laboratory can be of further service to you.

Sincerely,

Roger Wang, Ph. D.
Laboratory Director

Enclosures

This cover letter is an integral part of this analytical report.



Southland Technical Services, Inc.
Environmental Laboratories

Telegraph Road, Suite J
Bello, CA 90640

Phone (213) 888-0728
Fax (213) 888-1509

12-21-1995

Client: EPICS International
Project: 2302
Project Site: Long Beach City Tow Yard
Matrix: Soil
Run Batch No.: 1218-G1

Lab Job No.: V51259
Date Sampled: 12-14-1995
Date Received: 12-15-1995
Date Analyzed: 12-18-1995

EPA Method 8020 (BTEX)
Reporting Units: mg/kg (ppm)

Sample ID	Lab ID	DF	Benzene	Toluene	Ethyl- benzene	Total Xylenes
		MDL	0.005	0.005	0.005	0.015
1, 5.5'	V1259-1	5	0.33	0.33	1.85	3.5
-1, 10'	V1259-2	2	0.086	0.15	0.32	1.6
-2, 5'	V1259-4	1	ND	ND	ND	ND
-2, 10'	V1259-5	1	ND	ND	ND	ND
-2, 13'	V1259-6	1	ND	ND	ND	ND
-3, 5'	V1259-8	1	ND	0.012	0.009	ND
-3, 10'	V1259-9	50	3.9	4.1	11	49
-4, 5'	V1259-11	500	4.0	7.0	8.5	320
-4, 10'	V1259-12	400	9.5	6.6	30	150

DF: Dilution Factor ($DF \times MDL = \text{Reporting Limit for the sample}$).

ND: Not Detected (at the specified limit)



Southland Technical Services, Inc.
Environmental Laboratories

31 Telegraph Road, Suite J
Ontebello, CA 90640

Phone (213) 888-0728
Fax (213) 888-1509

12-21-1995

Client: EPICS International
Project: 2302
Project Site: Long Beach City Tow Yard
Matrix: Soil
Run Batch No.: 1218-D1

Lab Job No.: V51259
Date Sampled: 12-14-1995
Date Received: 12-15-1995
Date Analyzed: 12-18-1995

EPA Method 8015M
Extractable Petroleum Hydrocarbon Finger Print
Reporting Units: mg/kg (ppm)

Sample ID	Lab ID	C4-C12 (Gasoline*) 1.0	C13-C23 (Diesel) 10	C24-C40 (Motor Oil) 20
MDL				
B-1, 5.5'	V1259-1	125	42	ND
B-1, 10'	V1259-2	ND	ND	ND
B-2, 5'	V1259-4	ND	ND	ND
B-2, 10'	V1259-5	ND	ND	ND
B-2, 13'	V1259-6	ND	ND	ND
B-3, 5'	V1259-8	ND	ND	ND
B-3, 10'	V1259-9	690	29	ND
B-4, 5'	V1259-11	3,350	270	ND
B-4, 10'	V1259-12	1,400	145	ND

* Gasoline concentrations are obtained with Purge & Trap analysis.

ND: Not Detected (at the specified limit).



Southland Technical Services, Inc.
Environmental Laboratories

Telegraph Road, Suite J
Bello, CA 90640

Phone (213) 888-0728
Fax (213) 888-1509

12-21-1995

Client: EPICS International
Project: 2302
Project Site: Long Beach City Tow Yard
Matrix: Water
Run Batch No.: 1219-G2

Lab Job No.: V51259
Date Sampled: 12-14-1995
Date Received: 12-15-1995
Date Analyzed: 12-19-1995

EPA Method 602 (BTEX)
Reporting Units: $\mu\text{g/L}$ (ppb)

Sample ID	Lab ID	DF	Benzene	Toluene	Ethyl- benzene	Total Xylenes
	MDL		0.5	0.5	0.5	1.0
-1 A, 10'	V1259-3	4000	7,400	18,000	108,000	703,000
-2 A, 10'	V1259-7	1	ND	ND	0.6	1.9
-3 A, 10'	V1259-10	2000	1,520	2,660	3,560	15,000

DF: Dilution Factor ($\text{DF} \times \text{MDL} = \text{Reporting Limit for the sample}$).

ND: Not Detected (at the specified limit)



Southland Technical Services, Inc.
Environmental Laboratories

Telegraph Road, Suite J
Bellaire, CA 90640

Phone (213) 888-0728
Fax (213) 888-1509

12-21-1995

Client: EPICS International
Project: 2302
Project Site: Long Beach City Tow Yard
Matrix: Water
Run Batch No.: 1221-D1

Lab Job No.: V51259
Date Sampled: 12-14-1995
Date Received: 12-15-1995
Date Analyzed: 12-21-1995

EPA Method 8015M
Extractable Petroleum Hydrocarbons Finger Print
Reporting Units: mg/L (ppm)

Sample ID	Lab ID	C4-C12 (Gasoline)	C13-C23 (Diesel)	C24-C35 (Motor Oil)
	MDL	0.1	1.0	2.0
S-1 A, 10'	V1259-3	3,400	600	ND
S-2 A, 10'	V1259-7	ND	ND	ND
S-3 A, 10'	V1259-10	1,200	160	ND

ND: Not Detected (at the specified limit).



Southland Technical Services, Inc.
Environmental Laboratories

Telegraph Road, Suite J
Bello, CA 90640

Phone (213) 888-0728
Fax (213) 888-1509

12-21-1995

Client: EPICS International
Project: 2302
Project Site: Long Beach City Tow Yard
Matrix: Water

Lab Job No.: V51259
Date Sampled: 12-14-1995
Date Received: 12-15-1995
Date Analyzed: 12-21-1995

EPA Method 160.1
Total Dissolved Solids (TDS)
Reporting Units: mg/L (ppm)

Sample ID	Lab ID	TDS	Detection Limit
A, 10'	V1259-3	1,800	10



Southland Technical Services, Inc.
Environmental Laboratories

1 Telegraph Road, Suite J
Tebello, CA 90640

Phone (213) 888-0728
Fax (213) 888-1509

12-21-1995

EPA 8020
QA/QC Report

Client: EPICS International
Project: Long Beach City Tow Yard
Run Batch No: 1218-G1

Lab Job No.: V51259
Lab Sample ID: S1268-1
Date Analyzed: 12-18-95

I. MS/MSD Report
Units: $\mu\text{g/kg}$ (ppb)

Analyte	Sample Conc.	Spike Added	MS Res.	MS %Rec.	MSD Res.	MSD %Rec.	%RPD	Accept. Limit (%) for %Rec.	Accept. Limit(%) for %RPD
Benzene	ND	200	167	83.5	163	81.5	2.4	70-130	<30
Toluene	ND	200	163	81.3	175	87.5	7.1	70-130	<30

II. Laboratory Control Sample
Units: $\mu\text{g/kg}$ (ppb)

Analyte	LCS Result	True Value	%Rec	Accept. Limit (%)
Benzene	188	200	94	80-120
Toluene	191	200	95.5	80-120

ND: Not Detected (at the specified limit)



Southland Technical Services, Inc.
Environmental Laboratories

Telegraph Road, Suite J
Bello, CA 90640

Phone (213) 888-0728
Fax (213) 888-1509

12-21-1995

EPA 602
Batch QA/QC Report

Client: EPICS International
Project: Long Beach City Tow Yard
Run Batch No 1219-G2

Lab Job No.: V51259
Lab Sample ID: WS1219-1
Date Analyzed: 12-19-95

I. MS/MSD Report
Units: $\mu\text{g/L}$ (ppb)

Analyte	Sample Conc.	Spike Added	MS Res.	MS %Rec.	MSD Res.	MSD %Rec.	%RPD	Accept. Limit (%) for %Rec.	Accept. Limit(%) for %RPD
Benzene	ND	20	21.0	105	17.6	88	17.6	70-130	<30
Toluene	ND	20	21.4	107	17.5	87.5	20	70-130	<30

II. Laboratory Control Sample
Units: $\mu\text{g/L}$

Analyte	LCS Result	True Value	%Rec	Accept. Limit (%)
Benzene	19.9	20	99.5	80-120
Toluene	18.9	20	94.5	80-120

ND: Not Detected (at the specified limit)



Southland Technical Services, Inc.
Environmental Laboratories

101 Telegraph Road, Suite J
Montebello, CA 90640

Phone (213) 888-0728
Fax (213) 888-1509

12-21-1995

EPA 8015M (Diesel)
Batch QA/QC Report

Client: EPICS International
Project: Long Beach City Tow Yard
Run Batch No 1218-D1

Lab Job No.: V51259
Lab Sample ID: V1259-4
Date Analyzed: 12-18-95

I. MS/MSD Report
Units: mg/kg (ppm)

Analyte	Sample Conc.	Spike Added	MS Res.	MS %Rec.	MSD Res.	MSD %Rec.	%RPD	Accept. Limit (%) for %Rec.	Accept. Limit(%) for %RPD
Diesel	ND	200	225	113	220	110	11.2	70-130	<30

II. Laboratory Control Sample
Units: mg/kg (ppm)

Analyte	LCS Result	True Value	%Rec	Accept. Limit (%)
Diesel	213	200	107	80-120

ND: Not Detected (at the specified limit)



Southland Technical Services, Inc.
Environmental Laboratories

Telegraph Road, Suite J
Bello, CA 90640

Phone (213) 888-0728
Fax (213) 888-1509

12-21-1995

EPA 8015M (Diesel)
Batch QA/QC Report

Client: EPICS International
Project: Long Beach City Tow Yard
Run Batch No 1221-D1

Lab Job No.: V51259
Lab Sample ID: G1282-2
Date Analyzed: 12-21-95

I. MS/MSD Report
Units: mg/L (ppm)

Analyte	Sample Conc.	Spike Added	MS Res.	MS %Rec.	MSD Res.	MSD %Rec.	%RPD	Accept Limit (%) for %Rec.	Accept Limit(%) for %RPD
Diesel	ND	20	22.4	112	22.0	110	1.8	70-130	<30

II. Laboratory Control Sample
Units: mg/L (ppm)

Analyte	LCS Result	True Value	%Rec	Accept Limit (%)
Diesel	23.4	20	117	80-120

ND: Not Detected (at the specified limit)

CHAIN OF CUSTODY RECORD

Lab Job Number V60144

Client Name <u>ERICS Int'l</u>						Analyses Requested						Turn Around Time Requested	
Address <u>One World Trade Ctr. #1890 LB, CA</u>						602/8020 (BTEX) 8015M (Substrate) 8015M (Diesel) 418.1						☐ Rush 8 12 24 Hours ☐ 2-3 days ☐ Normal	
Report Attention <u>Salma Jetha</u>		Phone # <u>310 432 9717</u>		Sampled By <u>Chris Myers/S Jetha</u>								Sample Receipt Conditions	
Project No./Name		Project Site <u>901 W. Anaheim - Tow Yard</u>										☐ Chilled ☐ Intact ☐ Sample Seals	
Client Sample ID		Sample Collection		Matrix Type	Sample Preserve							No., type* & size of container	Lab Sample ID
	Date	Time											
B-S 5.5'	1/18/96	8:45	Soil				V0144-1						
B-S 10'	1/18/96	9:45	Soil				-2						
B-S 10'A	1/18/96	10:07	Water				-3						
B-S 10'B	1/18/96	10:10	Water										
B-6 5'	1/18/96	10:20	Soil				-4						
B-6 10'	1/18/96	12:15	Soil				-5						
B-6 10'A	1/18/96	13:05	Water				-6						
B-6 10'B	1/18/96	13:05	Water										
South Side 6'	1/18/96	13:00	Soil				-7						
Center (C) 10'	1/18/96	13:05	Soil				-8						
North Side 6'	1/18	13:15	Soil				-9						
Relinquished By <u>[Signature]</u> Company <u>ERICS</u>						Date <u>1/18</u> Time <u>15:00</u>		Received By <u>[Signature]</u> Company <u>STS</u>					
Relinquished By _____ Company _____						Date _____ Time _____		Received By _____ Company _____					
*Sample Container Types: A=Air Bag B=Brass Tube G=Glass Container P=Plastic Bottle ST=Steel Tube V=VOA Bottle													

STS E. L.
 7801 Telegraph Road, Suite J.
 Montebello, CA 90640

Tel: 213-888-0728
 Fax: 213-888-1509

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.
 Distribution: WHITE with report, YELLOW to STS, PINK to courier.



Southland Technical Services, Inc.
Environmental Laboratories

Telegraph Road, Suite J
Bello, CA 90640

Phone (213) 888-0728
Fax (213) 888-1509

01-24-1996

s. Salma Jetha
PICS International
100 World Trade Center, #1890
Long Beach, CA 90831

Subject:
Project Site: 901 W. Anaheim-Tow Yard
Sample Date: 01-18-1996
Lab Job No.: V60144

Dear Ms. Jetha:

Enclosed please find the analytical report for the sample(s) received by STS Environmental Laboratories on 01-18-1996 and analyzed by the following EPA methods:

EPA 8015M(Carbon Chain Finger Print)
EPA 602/8020 (BTEX)

Our analyses have met the QA/QC criteria of this laboratory.

The sample(s) arrived in good conditions (i.e., chilled, intact) and with a chain of custody record attached.

STS Environmental Laboratory is certified by the CA DHS (Certificate Number 1986). Thank you for giving us the opportunity to serve you. Please feel free to call me at (213) 888-0728 if our Laboratory can be of further assistance to you.

Sincerely,

Roger Wang, Ph. D.
Laboratory Director

Closures

This cover letter is an integral part of this analytical report.



Southland Technical Services, Inc.
Environmental Laboratories

31 Telegraph Road, Suite J
Antebello, CA 90640

Phone (213) 888-0728
Fax (213) 888-1509

01-24-1996

Client: EPICS International
Project:
Project Site: 901 W. Anaheim-Tow Yard
Matrix: Soil
Run Batch No.: 0119-G1

Lab Job No.: V60144
Date Sampled: 01-18-1996
Date Received: 01-18-1996
Date Analyzed: 01-19-1996

EPA Method 8020 (BTEX)
Reporting Units: mg/kg (ppm)

Sample ID	Lab ID	DF	Benzene	Toluene	Ethyl- benzene	Total Xylenes
	MDL		0.005	0.005	0.005	0.015
3-5, 5.5'	V0144-1	1	ND	ND	0.050	0.23
3-5, 10'	V0144-2	400	27	48	110	540
3-6, 5'	V0144-4	2	ND	ND	0.18	ND
3-6, 10'	V0144-5	200	13	14	37	170
South Side 6'	V0144-7	400	13	4.8	37	270
Center 10'	V0144-8	20	2.1	6.6	6.5	35
North Side 6'	V0144-9	4	0.096	0.12	0.24	0.69

DF: Dilution Factor ($DF \times MDL = \text{Reporting Limit for the sample}$).

ND: Not Detected (at the specified limit)



Southland Technical Services, Inc.
Environmental Laboratories

Telegraph Road, Suite J
Bellaire, CA 90640

Phone (213) 888-0728
Fax (213) 888-1509

01-24-1996

Client: EPICS International
Project: 2302
Project Site: 901 W. Anaheim-Tow Yard
Matrix: Soil
Run Batch No.: 0118-D1

Lab Job No.: V60144
Date Sampled: 01-18-1996
Date Received: 01-18-1996
Date Analyzed: 01-18-1996

EPA Method 8015M
Extractable Petroleum Hydrocarbon Finger Print
Reporting Units: mg/kg (ppm)

Sample ID	Lab ID	C4-C12 (Gasoline*) 1.0	C13-C23 (Diesel) 10	C24-C35 (Motor Oil) 20
	MDL			
-5, 5.5'	V0144-1	3.3	ND	ND
-5, 10'	V0144-2	5,500	530	ND
-6, 5'	V0144-4	2.8	ND	ND
-6, 10'	V0144-5	1,640	140	ND
South side 6'	V0144-7	2,800	230	ND
Center 10'	V0144-8	286	26	ND
North Side 6'	V0144-9	74	51	ND

Gasoline concentrations are obtained with Purge & Trap analysis.

ND: Not Detected (at the specified limit).



Southland Technical Services, Inc.
Environmental Laboratories

18 Telegraph Road, Suite J
Bakersfield, CA 90640

Phone (213) 888-0728
Fax (213) 888-1509

01-24-1996

Client: EPICS International
Project: 2302
Project Site: 901 W. Anaheim-Tow Yard
Matrix: Water
Run Batch No.: 0117-G2

Lab Job No.: V60144
Date Sampled: 01-18-1996
Date Received: 01-18-1996
Date Analyzed: 01-18-1996

EPA Method 602 (BTEX)
Reporting Units: $\mu\text{g/L}$ (ppb)

Sample ID	Lab ID	DF	Benzene	Toluene	Ethyl- benzene	Total Xylenes
	MDL		0.5	0.5	0.5	1.0
3-5, 10' A	V0144-3	2000	18,800	42,400	84,600	445,000
3-6, 10' A	V0144-6	2000	7,200	4,100	7,600	34,800

DF: Dilution Factor ($\text{DF} \times \text{MDL} = \text{Reporting Limit for the sample}$).

ND: Not Detected (at the specified limit)



Southland Technical Services, Inc.
Environmental Laboratories

Telegraph Road, Suite J
Bello, CA 90640

Phone (213) 888-0728
Fax (213) 888-1509

01-24-1996

Client: EPICS International
Project: 2302
Project Site: 901 W. Anaheim-Tow Yard
Matrix: Water
Run Batch No.: 0119-D2

Lab Job No.: V60144
Date Sampled: 01-18-1996
Date Received: 01-18-1996
Date Analyzed: 01-19-1996

EPA Method 8015M
Extractable Petroleum Hydrocarbons Finger Print
Reporting Units: mg/L (ppm)

Sample ID	Lab ID	C4-C12 (Gasoline)	C13-C23 (Diesel)	C24-C35 (Motor Oil)
	MDL	0.1	1.0	2.0
5, 10' A	V0144-3	3,000	94	ND
5, 10' A	V0144-6	200	28	ND

ND: Not Detected (at the specified limit).



Southland Technical Services, Inc.
Environmental Laboratories

31 Telegraph Road, Suite J
Antebello, CA 90640

Phone (213) 888-0728
Fax (213) 888-1509

01-24-1996

EPA 8020
QA/QC Report

Client: EPICS International
Project: 901 W. Anaheim-Tow Yard
Matrix: Soil
Batch No: 0119-G1

Lab Job No.: V60144
Lab Sample ID: R0142-1
Date Analyzed: 01-19-1996

I. MS/MSD Report
Units: $\mu\text{g/kg}$ (ppb)

Compound	Sample Conc.	Spike Added	MS Result	MSD Result	MS %Rec.	MSD %Rec.	% RPD	%RPD Accept. Limit	%Rec Accept. Limit
Benzene	ND	200	180	187	90	93.5	3.8	30	70-130
Toluene	ND	200	199	207	99.5	104	3.9	30	70-130

II. Laboratory Control Sample
Units: $\mu\text{g/kg}$ (ppb)

Analyte	SPK CONC	RESULT	%RECOVERY	ACP %
Benzene	200	164	82	80-120
Toluene	200	179	89.5	80-120

ND: Not Detected (at the specified limit)



Southland Technical Services, Inc.
Environmental Laboratories

Telegraph Road, Suite J
Bello, CA 90640

Phone (213) 888-0728
Fax (213) 888-1509

01-23-1996

EPA 8015M (Diesel)
Batch QA/QC Report

Client: EPICS International
Project: 901 W. Anaheim-Tow Yard
Matrix: Soil
Batch No: 0118-D1

Lab Job No.: V60144
Lab Sample ID: AA0127-12
Date Analyzed: 01-18-1996

I. MS/MSD Report
Units: mg/kg (ppm)

Compound	Sample Conc.	MS	MSD	Spike Value	MS %Rec.	MSD %Rec.	% RPD	%RPD Accept. Limit	%Rec Accept. Limit
Diesel	11	212	209	200	101	99	2.0	<30	70-130

II. LCS Result
Units: mg/kg (ppm)

Compound	LCS Report Value	True Value	Rec.%	Accept. Limit
Diesel	198	200	99	80-120

D: Not Detected (at the specified limit).



Southland Technical Services, Inc.
Environmental Laboratories

801 Telegraph Road, Suite J
Fontebello, CA 90640

Phone (213) 888-0728
Fax (213) 888-1509

01-24-1996

EPA 602
Batch QA/QC Report

Client: EPICS International
Project : 901 W. Anaheim-Tow Yard
Matrix: Water
Batch No.: 0117-G2

Lab Job No.: V60144
Date Analyzed: 01-17-96
Lab Sample ID: U0135-1

I. MS/MSD Report
Units: $\mu\text{g/L}$ (ppb)

Analyte	Sample Conc.	Spike Added	MS Res.	MS %Rec.	MSD Res.	MSD %Rec.	%RPD	Accept. Limit (%) for %Rec.	Accept. Limit(%) for %RPD
Benzene	ND	20	17.6	88	20	100	13	70-130	30
Toluene	ND	20	16.1	80.5	19.3	96.5	18	70-130	30

II. Laboratory Control Sample
Units: $\mu\text{g/L}$ (ppb)

Analyte	LCS Result	True Value	%Rec	Accept. Limit (%)
Benzene	16	20	80	80-120
Toluene	16.7	20	83.5	80-120

ND: Not Detected (at the specified limit)

UNDERGROUND STORAGE TANK UNAUTHORIZED RELEASE (LEAK) / CONTAMINATION SITE REPORT

EMERGENCY YES ☐ NO ☒		HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED? ☐ YES ☐ NO		FOR LOCAL AGENCY USE ONLY I HEREBY CERTIFY THAT I AM A DESIGNATED GOVERNMENT EMPLOYEE AND THAT I HAVE REPORTED THIS INFORMATION TO LOCAL OFFICIALS PURSUANT TO SECTION 25180.7 OF THE HEALTH AND SAFETY CODE. <i>M. J. Sellen, FP</i> 5/29/96 SIGNED _____ DATE _____	
REPORT DATE M / M / D / D / Y / Y		CASE # _____			
REPORTED BY	NAME OF INDIVIDUAL FILING REPORT David McCarry		PHONE (310) 570-5410		SIGNATURE <i>David McCarry</i>
	REPRESENTING ☐ LOCAL AGENCY ☒ OTHER <u>Delegate</u>		COMPANY OR AGENCY NAME Fleet Services Bureau		
	ADDRESS 2801 East Willow Street Long Beach CA 90806 STREET CITY STATE ZIP				
RESPONSIBLE PARTY	NAME City of Long Beach ☐ UNKNOWN (a municipal corporation)		CONTACT PERSON Robert Metzger		PHONE (310) 570-6277
	ADDRESS 333 West Ocean Blvd. Long Beach CA 90802 STREET CITY STATE ZIP				
SITE LOCATION	FACILITY NAME (IF APPLICABLE) Vehicle Tow Yard		OPERATOR City of Long Beach		PHONE (310) 570-2826
	ADDRESS 901 West Anaheim Street Long Beach LA 90813 STREET CITY COUNTY ZIP				
	CROSS STREET San Francisco		TYPE OF AREA ☒ COMMERCIAL ☐ INDUSTRIAL ☐ RURAL ☐ RESIDENTIAL ☐ OTHER _____		
ELEMENTING AGENCIES	LOCAL AGENCY Long Beach Fire Prevention Bureau		CONTACT PERSON Inspector Tom Hays		PHONE (310) 570-2521
	REGIONAL BOARD CA Water Resources, S.W. Dist. Region #4		PHONE (213) 266-7558		
SUBSTANCES INVOLVED	(1) NAME QUANTITY LOST (GALLONS) Gasoline ☒ UNKNOWN				
	(2) _____ ☐ UNKNOWN				
DISCOVERY/ABATEMENT	DATE DISCOVERED 0 / 8 / 3 / 0 / 9 / 5		HOW DISCOVERED ☐ INVENTORY CONTROL ☐ SUBSURFACE MONITORING ☐ NUISANCE CONDITIONS ☐ TANK TEST ☒ TANK REMOVAL ☐ OTHER _____		
	DATE DISCHARGE BEGAN _____ ☒ UNKNOWN		METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY) ☐ REMOVE CONTENTS ☐ REPLACE TANK ☐ CLOSE TANK ☐ REPAIR TANK ☐ REPAIR PIPING ☐ CHANGE PROCEDURE ☒ OTHER <u>Remove Tank</u>		
	HAS DISCHARGE BEEN STOPPED? ☐ YES ☐ NO IF YES, DATE _____				
SOURCE/CAUSE	SOURCE OF DISCHARGE ☒ TANK LEAK ☐ UNKNOWN ☐ PIPING LEAK ☐ OTHER _____		TANKS ONLY/CAPACITY 550 GAL. AGE 30+ YRS ☒ UNKNOWN		MATERIAL ☐ FIBERGLASS ☐ STEEL ☐ OTHER _____
	CAUSE(S) ☐ OVERFILL ☐ RUPTURE/FAILURE ☒ CORROSION ☐ UNKNOWN ☐ SPILL ☐ OTHER _____				
CASE TYPE	CHECK ONE ONLY ☒ UNDETERMINED ☐ SOIL ONLY ☐ GROUNDWATER ☐ DRINKING WATER - (CHECK ONLY IF WATER WELLS HAVE ACTUALLY BEEN AFFECTED)				
CURRENT STATUS	CHECK ONE ONLY ☒ SITE INVESTIGATION IN PROGRESS (DEFINING EXTENT OF PROBLEM) ☐ CLEANUP IN PROGRESS ☐ SIGNED OFF (CLEANUP COMPLETED OR UNNECESSARY) ☐ NO ACTION TAKEN ☐ POST CLEANUP MONITORING IN PROGRESS ☐ NO FUNDS AVAILABLE TO PROCEED ☐ EVALUATING CLEANUP ALTERNATIVES				
MEDICAL ACTION	CHECK APPROPRIATE ACTION(S) (SEE BACK FOR DETAILS) ☐ CAP SITE (CD) ☒ EXCAVATE & DISPOSE (ED) ☐ REMOVE FREE PRODUCT (FP) ☐ ENHANCED BIO DEGRADATION (IT) ☐ CONTAINMENT BARRIER (CB) ☐ EXCAVATE & TREAT (ET) ☐ PUMP & TREAT GROUNDWATER (GT) ☐ REPLACE SUPPLY (RS) ☐ TREATMENT AT HOOKUP (HU) ☐ NO ACTION REQUIRED (NA) ☐ OTHER (OT) _____				
COMMENTS	City of Long Beach purchased piece of land. Tank was found abandoned after sale. City removed tank and discovered tank leak.				

Dick Smith's copy

Date: February 13, 1996
To: Raymond T. Holland, Director of Public Works
From: S. Michael Johnson, Administrative Officer, Health Department
Subject: **HAZARDOUS MATERIALS MANAGEMENT UNIT CHARGES**

The following are actual remediation and characterization reviews on February 8, 1996 performed at the following sites:

160 E. Market Street	\$ 132.00
901 W. Anaheim St.	<u>132.00</u>
Total due the Health Department	<u><u>\$ 264.00</u></u>

Please initiate the appropriate transfer to revenue account 972 by completing and certifying the attached Journal Voucher. When completed, forward it to General Accounting Operations for processing.

Should you require additional information, please contact Dick Smith, Hazardous Waste Operations Officer at 570-4128 or Erlinda Reveche, Accountant, at 570-4022.

SMJ/EDR
(Attachment)

DEPARTMENT OF HEALTH & HUMAN SERVICES
CITY OF LONG BEACH, CALIFORNIA
HAZARDOUS MATERIALS MANAGEMENT UNIT

SERVICE CHARGES

SITUS ADDRESS: 160 E Market Street BILLING DATE: February 8, 1996
DATE OF INCIDENT: _____
PERSON RESPONSIBLE: David McCarty / Public Fleet Services Bureau Long Beach
MAILING ADDRESS: 2801 E. Willow Street Long Beach, Ca 90806

DESCRIPTION OF CHARGES (CHECK ALL THAT APPLY)		
☐	EMERGENCY RESPONSE _____ HRS.	\$
☐	SITE CLEAN-UP FEE	
☐	LAB ANALYSIS FEE	
☒	SITE CHARACTERIZATION REVIEW <u>1</u> HRS.	66.-
☒	SITE REMEDIATION REVIEW <u>1</u> HRS.	66.-
		TOTAL: \$132

(Total Hours 2 x Rate \$ 66.- per hour = \$ 132.- Service Charge)

HL-537 (4/89)

WHITE: Haz Mat YELLOW: File PINK: Admin.

SIGNATURE

Robert Hunt

DEPARTMENT OF HEALTH & HUMAN SERVICES
CITY OF LONG BEACH, CALIFORNIA
HAZARDOUS MATERIALS MANAGEMENT UNIT

SERVICE CHARGES

SITUS ADDRESS: 901 West Anaheim St, Long Bch 90813 BILLING DATE: 02-08-96
DATE OF INCIDENT: _____
PERSON RESPONSIBLE: City of Long Beach Towing Yard
MAILING ADDRESS: Fleet Services Bureau 2801 E. Willow St. Long Bch 90806

DESCRIPTION OF CHARGES (CHECK ALL THAT APPLY)		
☐	EMERGENCY RESPONSE _____ HRS.	\$
☐	SITE CLEAN-UP FEE	
☐	LAB ANALYSIS FEE	
☒	SITE CHARACTERIZATION REVIEW <u>2</u> HRS.	132
☐	SITE REMEDIATION REVIEW _____ HRS.	
		TOTAL: \$132.00

(Total Hours 2 x Rate \$ 66.00 per hour = \$ 132.00 Service Charge)

HL-537 (4/89)

WHITE: Haz Mat YELLOW: File PINK: Admin.

SIGNATURE

Lawrence L. Piro

**FINANCIAL ACCOUNTING SYSTEM
CITY OF LONG BEACH, CALIFORNIA**

T1	T2				T3	T4	T5	T6	T7	T8	T9
					Line No.	FYR	FMO	Card Total	Transaction Hash Total	Amount Batch Total	Coder's Initials
	YR	MO	DAY	SEQ							
4					0:0				:	:	

ACCOUNTING OPERATIONS

J.V. NO. 0

DATE 02/13/96 PAGE 1 of 1

ISSUED FOR: To reflect actual charges for Health Department Hazardous Materials Management Unit services to Fleet Services Bureau on February 8, 1996 at 160 E. Market Street and on 901 W. Anaheim Street.

[illegible]

		DELIVERY CERTIFICATION FOR MATERIALS & SERVICES RECEIVED:			BATCH TOTAL 528.00	KEYPUNCH DATE
02/13/86						
DATE	DATE	SIGNATURE	DEPT.	DATE		
Wanda		SIGNATURE	DEPT.	DATE		
WRITTEN	APPROVED	SIGNATURE	DEPT.	DATE		
EXT	84022					

DEPARTMENT OF HEALTH & HUMAN SERVICES
CITY OF LONG BEACH, CALIFORNIA
HAZARDOUS MATERIALS MANAGEMENT UNIT
SERVICE CHARGES

BILLING DATE: 02-08-96
SITUS ADDRESS: 901 West Anaheim St, Long Bch 90813
DATE OF INCIDENT: _____
PERSON RESPONSIBLE: City of Long Beach Towing Yard
MAILING ADDRESS: Fleet Services Bureau 2801 E. Willow St. Long Bch 90806

DESCRIPTION OF CHARGES (CHECK ALL THAT APPLY)		
☐	EMERGENCY RESPONSE _____ HRS.	\$
☐	SITE CLEAN-UP FEE	
☐	LAB ANALYSIS FEE	
☐	SITE CHARACTERIZATION REVIEW <u>2</u> HRS.	132
☐	SITE REMEDIATION REVIEW _____ HRS.	
		TOTAL: \$ <u>132.00</u>

(Total Hours 2 × Rate \$ 66.00 per hour = \$ 132.00 Service Charge)

Lawrence L. Piro
SIGNATURE

HL-537 (4/89)

WHITE: Haz Mat YELLOW: File PINK: Admin.

Date: 9-18-96

Note To File

Regarding: 901 W ANAHEIM

Address

Memo: OF EPICS INTL (810) 432-9717

CHARL MYERS CALLED I WANTED TO KNOW IF
ARROW SITE HAS BEEN REFERRED BACK TO
HEALTH DEPT ^{FOR CLOSURE} FROM WATER BOARD SINCE WATER BOARD
HAS BEEN "STREAM LINING" THEIR CLOSURE OF LOW RISK
SITES.

I TOLD HIM I'LL CHECK FILES.

~~CCCCCCCC~~ I CALLED MR. MYERS BACK I TOLD HIM
THAT THIS SITE IS NOT A WATERBOARD SITE. HE
SAID THAT THEY HAVE SUBMITTED THE FINAL SITE
ASSESSMENT REPORT AT THE BEGINNING OF THIS
YEAR & THERE IS GROUND ^{WATER} CONTAMINATION SO HE'S
SURPRISED THAT IT HASN'T BEEN REFERRED TO WATERBOARD.
HE REQUESTED THIS SITE TO BE REFERRED BACK TO HEALTH DEPT.
I INFORMED HIM THAT CARMEN PRO IS ON VACATION
& WON'T BE BACK UNTIL 1ST WEEK OF OCTOBER

SO HE SAID, HE'LL PUT THIS IN "BACK BURNER"
UNTIL SITE COMES BACK.

Cheryl J. Jones

P.S. 2 COPIES

~~CCCCCCCC~~ FINAL SITE ASSESSMENT DATED 1-31-96
FROM EPICS INTL WITH FILE



**JOINT POWERS AGENCY
LONG BEACH/SIGNAL HILL**

Unified Program Agency



2525 Grand Avenue • Long Beach, California 90815 • (562) 570-4131

April 2, 2001

Mr. Greg Kwey, Senior Water Resources Control Engineer
California State Regional Water Quality Control Board
- Los Angeles Region
320 West 4th Street, Suite 200
Los Angeles, California 90013

Re: 901 West Anaheim Street, Long Beach, California

Dear Mr. Kwey:

The Long Beach City Department of Health and Human Services has received information regarding the above referenced site that is indicative of ground water contamination.

The purpose of this letter is to refer this matter to your agency. I have enclosed copies of all relevant reports and correspondence.

We would appreciate continuing to receive copies of all future reports and correspondence in order to keep our file up to date until the cleanup has been completed.

If you desire additional information regarding this matter, please contact Carmen Piro at 562/570-4137, Environmental Health, between the hours of 8:00 a.m. to 9:00 a.m. or 4:00 p.m. to 5:00 p.m., Monday through Friday.

Sincerely,

Jeff Benedict, R.E.H.S., M.P.A.
Hazardous Waste Operations Officer

cc: Long Beach Fire Prevention Bureau
David McCarty, Fleet Services Bureau

waterlet

UNDERGROUND TANK PROGRAM TRACKING SYSTEM

Situs Address: 901 West Anaheim Street X05410
 DBA: City of Long Beach Towing Yard
 Owner/Responsible Party: Fleet Services Bureau, Attn David McCarty
 Owner/Responsible Address: 2801 East Willow Street, Long Beach 90806
 Characterization Required ☒ Yes ☐ No

TANK INFORMATION

No.	Size(gal)	Contents	Date Lab Results
1	550gal	Diesel	09-01-95/10-04-95

Site Characterization Letter Sent	Date: <u>10-10-95</u>
Site Characterization Permit Appl. Received	Date: <u>12-08-95</u>
Site Characterization Permit Issued	Date: <u>12-14-95</u>
Site Characterization Billing	Date: _____
Site Remediation Letter Sent	Date: _____
Site Remediation Permit Appl. Received	Date: _____
Site Remediation Permit Issued	Date: _____
Site Remediation Billing	Date: _____
Referred to Water Quality Management Board	Date: <u>4/2/01</u>
File Closed/No Further Action Required	Date: _____
Referred to City Prosecutor	Date: _____
S.C.A.Q.M.D. Permit/Variance Issued	Date: _____

Note: Site characterization permit application returned for D. McCarty signature 1/12-13-95.



Newton H. Hickox
Secretary for
Environmental
Protection

California Regional Water Quality Control Board

Los Angeles Region

(50 Years Serving Coastal Los Angeles and Ventura Counties)

320 W. 4th Street, Suite 200, Los Angeles, California 90013
Phone (213) 576-6600 FAX (213) 576-6640
Internet Address: <http://www.swrcb.ca.gov/rwqcb4>



Gray Davis
Governor

June 22, 2001

Mr. Robert Metzger
City of Long Beach
333 W. Ocean Boulevard
Long Beach, CA 90802

**UNDERGROUND STORAGE TANK PROGRAM-GROUNDWATER ASSESSMENT
LONG BEACH CITY TOW YARD
901 WEST ANAHEIM STREET, LONG BEACH (CASE #908130498)**

Dear Mr. Metzger,

The Regional Water Quality Control Board, Los Angeles Region, is the primary agency charged with the responsibility for maintaining the existing and potential beneficial uses of the waters in the Los Angeles and Ventura Counties. Your case file for the above referenced subject site has been referred to this Regional Board from the Joint Powers Agency, Long Beach/Signal Hill. We have reviewed the "Final Site Characterization Report For The Phase II Environmental Assessment of Gasoline-Impacted Soil," dated January 31, 1996, submitted by the EPICS International, for the above referenced site. In reference to the above document, we have the following comments:

1. Based on the groundwater data provided by the above Report, it appears that groundwater plume has not been adequately defined. Therefore, you are required to submit a workplan for the installation of groundwater monitoring wells to fully define the extent of groundwater contamination.
2. The construction and development of groundwater monitoring wells must comply with the requirements prescribed in California Code of Regulations (CCRs), Title 23, Division 3, Chapter 16, Section 2649.
3. A site-specific Health and Safety Plan must be included with the Work Plan.
4. You are required to submit a detailed, scaled map indicating the location of surrounding business and residences in the vicinity of the referenced site. The information must be included in the Work Plan.
5. All reports submitted to this office must conform to the "Guidelines for Report Submittals," (June 1993) published by the Los Angeles County Department of Public Works.
6. The Work Plan must include the information on the depth to drinking water aquifer, hydrogeological units of the aquifer, and a scaled map showing the locations and identifications of all production wells and surface water bodies within one mile radius of the site.
7. The soil and groundwater samples must be analyzed by EPA Method 8015 for TPH_G, EPA Method 8021 or 8260B for BTEX, including methyl tertiary butyl ether (MTBE) and EPA Method 8260B for di-isopropyl ether (DIPE), ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), tertiary butyl alcohol (TBA). If MTBE is detected it must be quantified using EPA Method 8260B.

California Environmental Protection Agency

The energy challenge facing California is real. Every Californian needs to take immediate action to reduce energy consumption
For a list of simple ways to reduce demand and cut your energy costs, see the tips at: <http://www.swrcb.ca.gov/news/echallenge.html>



Our mission is to preserve and enhance the quality of California's water resources for the benefit of present and future generations.

June 22, 2001

All soil samples must be prepared per EPA Method 5035. All analytical data must be reported by a California certified laboratory.

8. Pursuant to recent changes of the California Health and Safety Code (Sections 25299.37.2) and Division 7 of the Porter Cologne Water Quality Control Act under AB 681, the Regional Board is required to notify all current fee title holders for the subject site or sites impacted by releases from underground storage tanks prior to considering corrective action and/or cleanup or case closure. Since you are identified as the current primary or active responsible party for corrective action and/or cleanup at the subject site, we are requesting that you provide us with a complete mailing list of all record fee title holders for the subject site. Therefore, please provide along with your workplan the name, mailing address, and telephone for all record fee title holders for the subject site together with a copy of county record of current ownership (grant trust deed), available from the County Recorder's Office, for verification, or with the certification declaration as attached by **August 22, 2001**.

Pursuant to Sections 13267(b) of the California Water Code, you are required to submit a Work Plan by **August 22, 2001**. Failure to fully comply with the due date may result in enforcement action by the Regional Board.

If you have any question regarding this matter, please call Mr. Noman M. Chowdhury at (213) 576-6792.

Sincerely,



Gregg Kwey
Senior Water Resources Control Engineer

Enclosure: AB681 Form

cc: Ms. Yvonne Shanks, State Water Resources Control Board, Underground Storage Tank Cleanup Fund
Mr. Tim Smith, Los Angeles County Department of Public Works, Environmental Programs Division, Underground Tanks

California Environmental Protection Agency

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For a list of simple ways to reduce demand and cut your energy costs, see the tips at: <http://www.swrcb.ca.gov/news/echallenge.html>



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Our mission is to preserve and enhance the quality of California's water resources for the benefit of present and future generations.

November 15, 2001

Mr. Norman M. Chowdhury
**CALIFORNIA REGIONAL WATER
QUALITY CONTROL BOARD**
LOS ANGELES REGION
320 West 4th Street, Suite 200
Los Angeles, California 90013

THE REYNOLDS GROUP
A California Corporation
QUALITY CONTROL BOARD
LOS ANGELES REGION

PROPERTY: LONG BEACH CITY TOW YARD
901 WEST ANAHEIM STREET
LONG BEACH, CALIFORNIA

LARWQCB NO. 908130498

**SUBJECT: WORKPLAN TO ADVANCE GEOPROBES AND INSTALL
GROUNDWATER MONITORING WELLS**

Dear Mr. Chowdhury,

As directed in your letter to the City of Long Beach dated June 22, 2001, The Reynolds Group (TRG) is submitting this workplan to advance six (6) geoprobes and install three (3) groundwater monitoring wells at the subject site. Please see Figure 1-Site Location Map for detail. Additionally, during a review of the Los Angeles Regional Water Quality Control Board (LA RWQCB) case file for the subject property, it was discovered that LA RWQCB case file is missing the following reports: *Underground Storage Tank Closure Report* dated November 2, 1995 and *Final Site Characterization Report for the Phase II Environmental Assessment of Gasoline-Impacted Soils*. Please find enclosed one copy each of these reports. We trust that this material will help to advance this case toward closure.

SITE HISTORY

On August 30, 1995, one (1) 550-gallon gasoline underground storage tank (UST), and associated product piping were removed from the subject site as detailed in the *Underground Storage Tank Closure Report* by Maness Environmental Services, Inc., dated November 2, 1995. Two (2) soil samples were collected: one (1) from the below the UST excavation and one (1) from the stockpile. Laboratory analytical results indicated detectable concentrations of gasoline in the soils. (See Table 1 below). Groundwater was encountered at 8-10 feet below ground surface (ft bgs) in the tank excavation. On December 14, 1995 and January 18, 1996, six (6) soil borings were advanced to depths ranging from 5 to 13 feet below ground surface (bgs) and five (5) groundwater samples were collected at 10 feet bgs as detailed in the *Final Site Characterization Report for the Phase II Environmental Assessment of Gasoline-*

Mr. Norman Chowdhury
**CALIFORNIA REGIONAL WATER
 QUALITY CONTROL BOARD
 LOS ANGELES REGION**

Re: Workplan for Long Beach City Tow Yard.
 October 29, 2001
 Page 2 of 6

Impacted Soils by Epics International by Epics International. Three (3) additional soil borings were collected: two (2) from the north and south sidewalls of the excavation at 6 feet bgs and one (1) soil sample was collected from under the center of the excavation at 10 feet bgs. Laboratory analytical results indicated detectable concentrations of gasoline in the soils and groundwater. (See Tables 1 & 2 below).

**TABLE 1
 SOIL SAMPLING RESULTS
 LONG BEACH CITY TOW YARD
 901 West Anaheim, Long Beach, CA**

Sample ID	Sample Depth (ft bgs)	EPA M8015	EPA M8015	EPA M8020 (mg/Kg) ⁽⁴⁾			
		TPH Gas (mg/Kg)	TPH Diesel (mg/Kg)	Benzene	Toulene	Ethylbenzene	Xylenes
1C-8 ⁽¹⁾	8	7500	NA	22	17	98	470
SP-1	NA	ND	NA	ND	ND	ND	0.013
B1 ⁽²⁾	5.5	125	42	0.33	0.33	1.85	3.5
B1	10	ND	ND	0.086	0.15	0.32	1.6
B2	5	ND	ND	ND	ND	ND	ND
B2	10	ND	ND	ND	ND	ND	ND
B2	13	ND	ND	ND	ND	ND	ND
B3	5	ND	ND	ND	0.012	0.009	ND
B3	10	690	29	3.9	4.1	11	49
B4	5	3350	270	4.0	7.0	8.5	320
B4	10	1400	145	9.5	6.6	30	150
B5	5.5	3.3	ND	ND	ND	0.050 ⁽³⁾	0.23 ⁽³⁾
B5	10	5500	530	27	48	110	540
B6	5	28	ND	ND	ND	0.18	ND
B6	10	1640	140	13	14	37	170
North Side	6	74	51	0.096	0.12	0.24	0.69
South Side	6	2800	230	13	4.8	37	270
Center	10	286	26	2.1	6.6	6.5	35

⁽¹⁾ 1C-8 & SP-1 sampled by Maness Environmental Services, Inc. during tank removal activities.

⁽²⁾ B1-B6, North Side, South Side and Center sampled by Epics International.

⁽³⁾ Taken directly from Southland Technical Services, Inc. Laboratory Results as there appears to be an error in the Epics Report.

⁽⁴⁾ MTBE Not analyzed.

NA= Not analyzed

ND= Non Detect

TABLE 2
GROUNDWATER SAMPLING RESULTS
LONG BEACH CITY TOW YARD
 901 West Anaheim, Long Beach, CA

Sample ID	Sample Depth (ft bgs)	EPA M8015	EPA M8015	EPA M602 (mg/L) ⁽²⁾			
		TPH Gas (mg/L)	TPH Diesel (mg/L)	Benzene	Toulene	Ethylbenzene	Xylenes
B1 ⁽¹⁾	10	3400	600	7.4	18	108	703
B2	10	ND	ND	ND	ND	0.0006	0.0019
B3	10	1200	160	1.52	2.66	3.56	15
B4	10	NA	NA	NA	NA	NA	NA
B5	10	3000	94	18	42.4	84.6	445
B6	10	200	28	7.2	4.1	7.6	34.8

⁽¹⁾ B1-B6 sampled by Epics International.

⁽²⁾ MTBE Not analyzed.

NA= Not analyzed

ND= Non Detect

PURPOSE OF THE WORK

The purpose of this work is to further assess the extent of groundwater contamination with geoprobes and install three (3) groundwater monitoring wells.

SCOPE OF WORK

Overview of the Work.

1. Advance six (6) Geoprobe and sample groundwater to further define the vertical and lateral extent of contamination.
2. Install three (3) on-site groundwater monitoring wells in the areas of greatest contamination as indicated by the results of the Geoprobe work.
3. Initiate groundwater monitoring at the site.
4. Prepare a report detailing the work and findings.

Mr. Norman Chowdhury
CALIFORNIA REGIONAL WATER
QUALITY CONTROL BOARD
LOS ANGELES REGION

Re: Workplan for Long Beach City Tow Yard.

October 29, 2001

Page 4 of 6

Geoprobe Groundwater Investigation. Six (6) geoprobes will be advanced to collect soil and groundwater samples. The laboratory results of the groundwater samples will provide a better definition of the vertical and lateral extent of gasoline-impacted soil and groundwater at the subject site. These results will aid in the location of three (3) groundwater monitoring wells. Soil samples will be collected at (5) five feet bgs and at the capillary fringe as described in the next-section "Groundwater Well Installation". Groundwater samples will be collected from (15) fifteen bgs..

Groundwater Well Installation. As described above and shown on the attached Figure 2, three 20-foot deep groundwater monitoring wells will be installed on the Site. The location and final design of the wells will be determined once the results from the Geoprobe work have been reviewed. The Reynolds Group (TRG) will fax you a map of the proposed locations.

Prior to installing the groundwater wells, we will obtain permits from the local regulatory agency(ies). A proposed well schematic is attached to this work plan and shows four-inch diameter schedule 40 PVC wells installed in a 12-inch borehole with the screened interval intercepting the saturated zone at a depth of approximately 11 feet bgs.

A photoionization detector (PID) will be used as a field-screening tool to determine the relative presence of petroleum hydrocarbons in the soils. During the drilling of the well boreholes, soil samples will be collected in brass sleeves at five-foot intervals using a California-modified split spoon sampler. In addition, samples will be collected approximately 2' above the water table and 2' below the water table. The soil lithology will be recorded. All samples will be prepared per USEPA Method 5035. Once the samples are collected, the filled sleeves will be covered with Teflon, capped with plastic covers, and uniquely identified with the boring number and depth. In addition, Encore calibrated five gram sampling devices will be used to supplement the sampling in accordance with Los Angeles Regional Water Quality Control Board protocols. The sample labeling will correspond to the following sequences: MW1-5' indicates the soil sample from boring MW1 at a depth of approximately 5 feet bgs.

The wells will be screened such that approximately five feet of screened interval will be above the piezometric surface and 10 feet of screened interval will be below the piezometric surface. Each well will be finished at the surface with a one-foot diameter, steel, traffic-grade well box with bolted lid to prevent incidental damages or liability. Please see Figure 3- Groundwater Monitoring Well Design for detail. A licensed surveyor will determine the elevation of the top of the well casings.

After developing the wells appropriately, we will sample and analyze the groundwater for TPH as gasoline and diesel, benzene, toluene, ethylbenzene, xylenes (BTEX), MTBE and other oxygenates as described in the next paragraph.

Mr. Norman Chowdhury
CALIFORNIA REGIONAL WATER
QUALITY CONTROL BOARD
LOS ANGELES REGION

Re: Workplan for Long Beach City Tow Yard.

October 29, 2001

Page 5 of 6

Laboratory Analyses. All soil samples will be prepared per USEPA Method 5035. Chain-of custody procedures will be followed in transporting the samples to the laboratory. Samples will be transported in a chilled state to the laboratory. Chemical & Environmental Laboratories (C&E) of Santa Fe Springs, California will be directed to analyze the samples. C&E is a state-certified laboratory. The samples will be analyzed by EPA Method 8015 for TPH modified for gasoline and diesel, and EPA Method 8260B for BTEX, MTBE, diisopropyl ether (DIPE), ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME) using the Los Angeles Regional Water Quality Control Board's most recent protocol.

Waste Disposal. The cuttings from the exploration work will be stored on site in labeled, 55-gallon drums. The cuttings will not be placed back into the borings. The probes will be backfilled with a bentonite slurry.

Report on the Work. The results of the fieldwork will be put into a report and include the seal of a California Registered Civil Engineer.

Quarterly Groundwater Monitoring Quarterly groundwater monitoring will be initiated.

HEALTH AND SAFETY PLAN

All staff and third parties who will be near or around the project will be required to sign the health and safety plan that has been prepared and is attached to this letter.

ELECTRONIC DELIVERABLE FORMAT

In fulfillment of State of California AB 2886, all laboratory data will be attached in electronic deliverable format or will be uploaded to GEOTRACKER. The Reynolds Group has been appointed by the responsible party as the agent for the transmission of electronic data to GEOTRACKER.

REGISTERED PROFESSIONAL STATEMENT

All work on this project is being performed under the responsible charge of a California Registered Civil Engineer. The licensed professional whose wet ink signature and seal appears at the end of this report will actually supervise or personally conduct all work associated with the project.

Mr. Norman Chowdhury
CALIFORNIA REGIONAL WATER
QUALITY CONTROL BOARD
LOS ANGELES REGION
Re: Workplan for Long Beach City Tow Yard.
October 29, 2001
Page 6 of 6

CERTIFIED LABORATORY

All analytical data will be reported by Chemical & Environmental Laboratories, a California certified laboratory in Santa Fe Springs, California.

CORRESPONDENCES CONCERNING THIS PROJECT

Please be sure that your mailing list includes The Reynolds Group and

Mr. David McCarty
CITY OF LONG BEACH FLEET SERVICES BUREAU
2600 Temple Avenue
Long Beach, CA 90806

The individual for The Reynolds Group who will be handling the technical aspects of the case is Dwayne Ziegler. Mr. Ziegler can be reached directly by cell phone at 714-920-9311.

Sincerely,
THE REYNOLDS GROUP
a California Corporation by:

F. Edward Reynolds, Jr.
F. Edward Reynolds, Jr.

California Registered Civil Engineer #38677



Dwayne Ziegler
Dwayne Ziegler
Project Manager

Cc w/attachements: David McCarty, CITY OF LONG BEACH FLEET SERVICES
BUREAU

Attachments:

Figure 1 – Site Location Map

Figure 2 - Site Plot Plan with Proposed Geoprobe Locations

Figure 3 – Groundwater Monitoring Well Design

Health and Safety Plan

Underground Storage Tank Closure Report dated November 2, 1995

Final Site Characterization Report for the Phase II Environmental Assessment of

Gasoline-Impacted Soils dated January 31, 1996

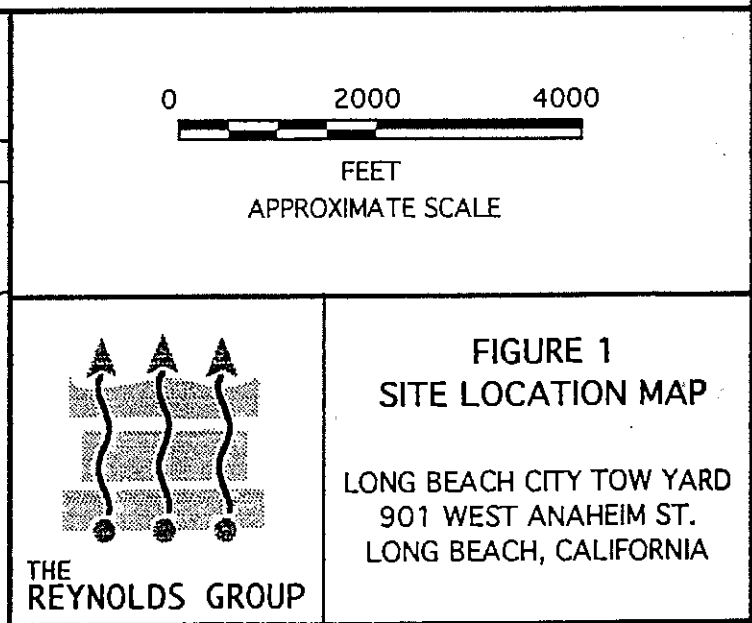
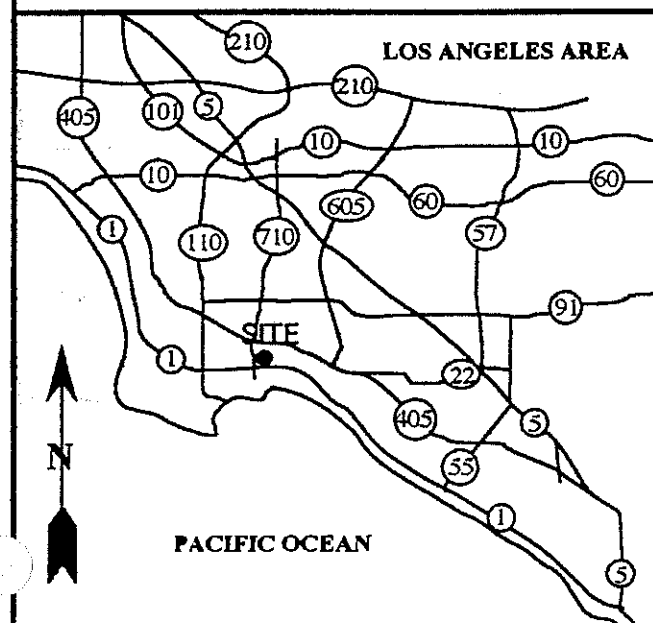
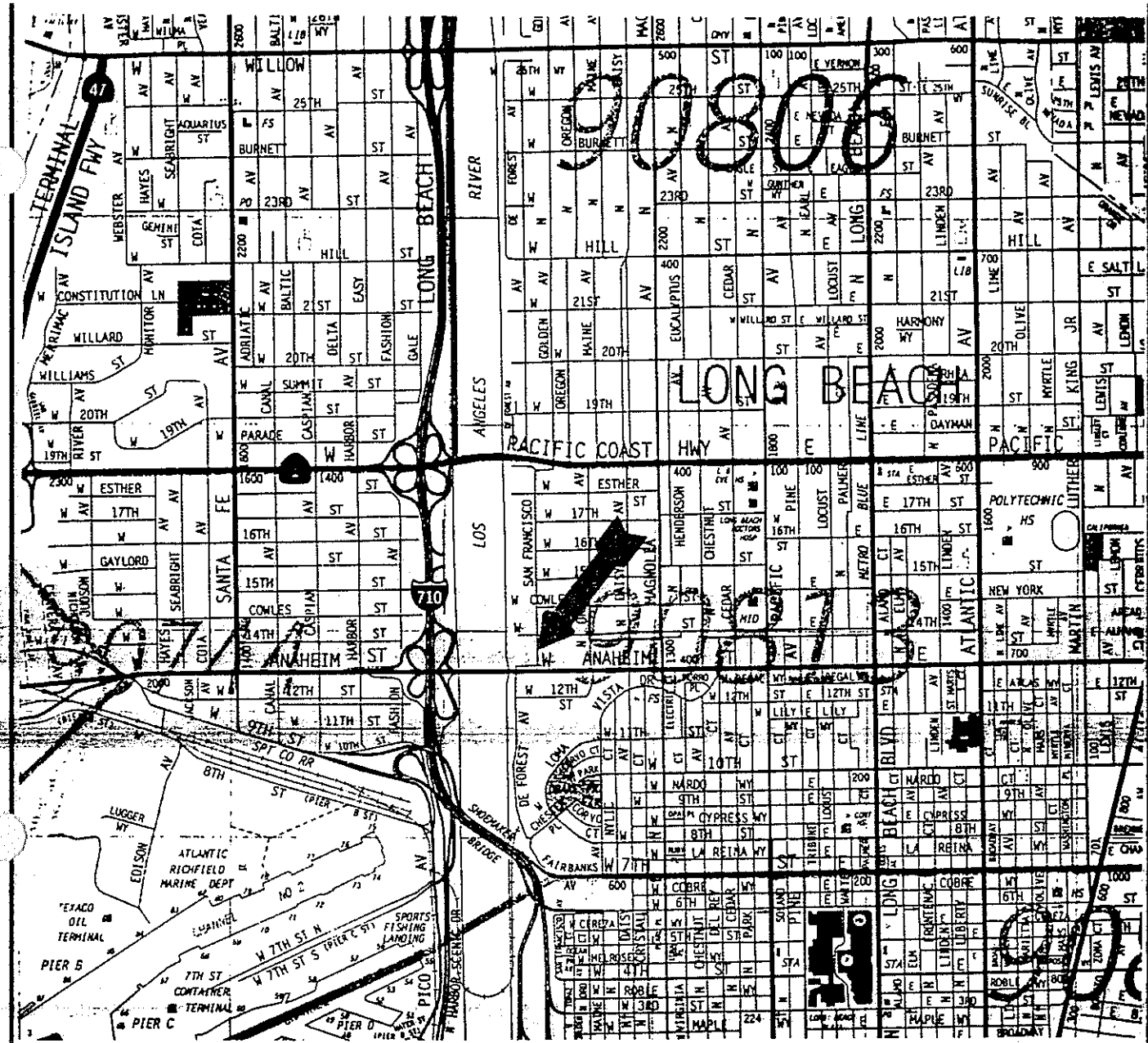


FIGURE 3: MONITORING WELL DETAILS

PROJECT NAME: LONG BEACH CITY TOW YARD

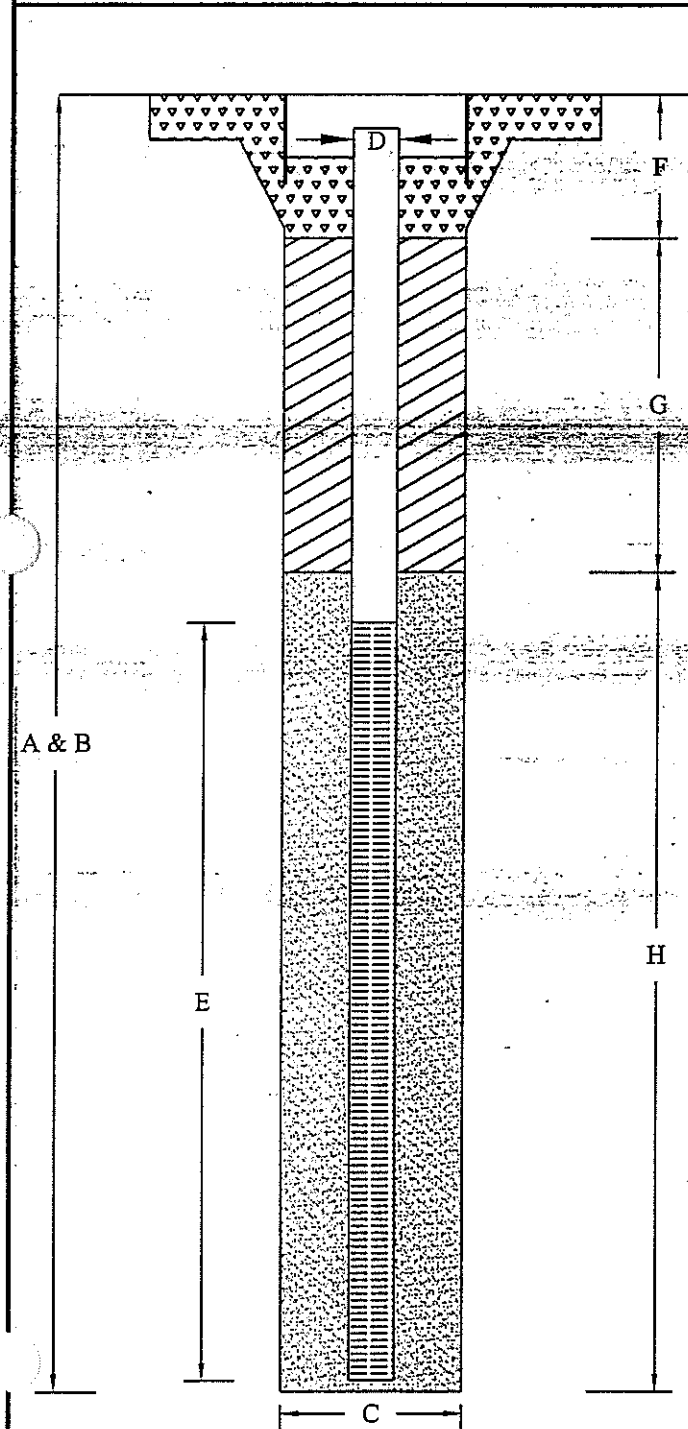
WELL ID: MW1, MW2 and MW3

PROJECT NUMBER: 6068

CASING TYPE: SCHEDULE 40 PVC

LOCATION: 901 West Anaheim Street
Long Beach, CA

DEPTH TO WATER: Approximately 8 to 10 feet



A. TOTAL DEPTH OF BORING: 20 feet

B. CASING LENGTH: 20 feet

C. BORING DIAMETER: 10 inches

D. CASING DIAMETER: 4 inches

E. PERFORATED ZONE:

Perforated from: 5 feet below ground surface
to 20 feet below ground surface.

Perforation type: factory slotted

Perforation size: 0.010 inches

F. SURFACE COMPLETION: 18 inches

Material: Concrete

G. SANITARY SEAL:

Depth: from surface completion to top of sand

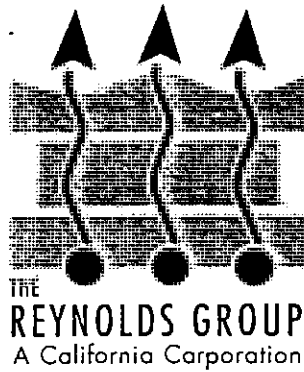
Material: Hydrated medium bentonite chips

H. FILTER PACK:

Depth: 4 feet below ground surface.

to 20 feet below ground surface.

Material: #2/16 Sand



HEALTH AND SAFETY PLAN

SUBSURFACE INVESTIGATION

Long Beach City Tow Yard
901 West Anaheim Street
Long Beach, California

INTRODUCTION

The Reynolds Group (TRG) was engaged to perform a subsurface assessment at Long Beach City Tow Yard at 901 West Anaheim Street in Long Beach, California.

KEY PERSONNEL AND RESPONSIBILITIES

Following are key assignments for this project:

ASSIGNMENT

RESPONSIBLE PARTY

Project Manager:

Dwayne Ziegler/ Ed Reynolds

Project Site Safety Officer:

Dwayne Ziegler

Office Health and Safety Manager:

Ed Reynolds

The Project Manager (PM) has overall responsibility for field development and implementation of this Health and Safety Plan (HASP). The PM assigns health and safety related duties and responsibilities only to qualified individuals. Before anyone enters the work area, they must meet the requirements of 29 CFR 110.120 for medical examination and health and safety training.

The Project Site Safety Officer (PSSO), who must be on-site during all work activities, will be responsible for on-site health and safety activities. The PSSO has stop-work authorization that he will exercise when he perceives an imminent safety hazard, an emergency situation, or any other potentially dangerous situations, such as extreme weather conditions. If the PSSO stops work for a safety-related issue, work cannot begin again until approved by the OHSM. In an emergency, the PSSO will arrange for emergency support services when needed.

GENERAL SAFETY REQUIREMENTS

Continuous air monitoring for worker safety and regulatory compliance will be conducted using a photoionization detector (PID) or flame-ionization detector (FID) a minimum of every 15 minutes during the entire operation, unless directed otherwise by the appropriate regulatory agency officer(s) present on site.

Monitoring equipment, including PID/FID and CG/O2 meter, will be calibrated daily and calibration logs will be maintained on-site and made available upon request.

All on-site personnel operating within the work zone will show proof of current 40-hour hazardous waste operations training upon request.

Cellular telephones/radios will be available on-site at all times during work for communication in the event of an emergency.

HAZARD EVALUATION

The following is an evaluation of the hazards which might be associated with this project and the countermeasures which should be taken to remediate these hazards:

Exposure

POTENTIAL CHEMICALS:

The most likely chemical compounds to be encountered during this remediation are elevated petroleum fuel hydrocarbons, found typically in oil field operations.

ASSOCIATED HAZARD:

Gasoline, Diesel, Oil and Grease: Dermal: can defat and irritate skin
Inhalation: TLV's typically 300-600 ppm
Acute effects = irritant to skin, eyes, nose, mouth

BTEX: Dermal: can defat and irritate skin
Inhalation: TLV for benzene = 1 ppm
Acute effect = irritant
Chronic effect: benzene is a human carcinogen.

MTBE: Dermal: can defat and irritate skin
Inhalation: TLV for MTBE = 25 ppm
Acute effect = irritant
Chronic effects: MTBE is a human carcinogen.

EXPOSURE PROBABILITY AND LIKELY CONSEQUENCE:

A low hazard level exists where there is no contact with the chemicals, when low concentrations are encountered, or when proper protection is worn.

COUNTERMEASURES:

- When OVM reading is less than 50 ppm above background level wear Level D protection;
- When OVM reading is above 100 ppm for greater than 15 minutes wear Level C protection;
- When OVM reading is above 1000 ppm cease work operations until level decreases.

Fire and Explosion

POTENTIAL FOR FIRE OR EXPLOSION:

Workers may encounter fire or explosion hazards on this project. Fire or explosion could occur by rupturing an underground gas line or if digging through soil that contains high concentrations of fuel hydrocarbons.

EXPOSURE PROBABILITY AND LIKELY CONSEQUENCE:

Low probability with moderate consequence.

COUNTERMEASURES:

Seek information about possible underground obstructions from knowledgeable individuals before excavating. Note if Dig Alert has marked the site for underground lines (see Section 3.11).

Oxygen Deficiency

On-site workers are not likely to encounter an oxygen deficiency. Workers will not enter confined spaces on this project.

Ionizing Radiation

On-site workers are not likely to encounter radioisotopes or other hazardous ionizing radiation on this site.

Biologic Hazards

On-site workers are not likely to encounter biologic hazards on this site.

Safety Hazards

On-site workers may encounter physical safety hazards on this site. Work operations include:

- working near moving, powered machinery;
- slips, strains, trips, and falls;
- moving and lifting of heavy objects;
- use of hand tools, and
- use of motor vehicles.

COUNTERMEASURES:

Use experienced on-site persons. Wear hard-toed shoes and approved hard hats. Heighten worker awareness with a tailgate safety session for all on-site workers at the start of work each day. Maintain all equipment (including safety devices) in proper operation condition. Never leave an open excavation unattended.

Electrical

On-site workers could encounter electrical hazards on this site if the front loader contacts overhead power lines, if subsurface work encounters buried live electrical lines, if poor weather conditions exist, or equipment is not properly grounded.

COUNTERMEASURE:

Be sure not to raise the front loader in proximity to overhead power lines. Work shall cease if bad weather conditions exist. Equipment shall be grounded. Seek information about possible underground lines from knowledgeable individuals before excavating. Note if Dig Alert has marked the site for underground lines (see Section 3.11).

Heat Stress

There will be a low likelihood that on-site workers may encounter heat stress on this project. Workers will be wearing Tyvek suits and ambient temperature will likely be in the low-to mid-eighties.

COUNTERMEASURES:

Heighten worker awareness about heat stress at daily tailgate safety session. Monitor heart rate at break time. If heart rate exceeds 110 beats per minute, cut work period by one-third. Provide and encourage drinking of water and juices at the job site.

Cold Exposure

On-site workers are not likely to encounter cold exposure on this project.

Noise

On-site workers will likely encounter excessive noise levels from operation of the heavy equipment.

COUNTERMEASURE:

Workers will wear hearing protection around the backhoe and whenever they have trouble conversing in normal tones at a distance of about five feet.

Underground Lines

Every effort will be made to determine if underground lines exist beneath the site. Dig Alert will be contacted at least two working days prior to the commencement of work.

SITE CONTROL

For control purposes, the work area consists of a 160-foot area around the backhoe. It is open and workers will enter and leave the site with care. Smoking, eating, and drinking are prohibited in the immediate work area. The PSSO will exclude casual observers from the work area and will be on-site during work operations.

EMERGENCY RESPONSE PLAN

Following are emergency names, phone numbers, and contacts:

Police	911
Fire Department	911
Ambulance	911

Emergency Hospital Saint Mary Medical Center 1050 Linden Avenue Long Beach, California	(562)491-9000
---	---------------

The Reynolds Group 250 El Camino Real, Suite 204 Tustin, CA 92780	(714) 730-5397
---	----------------

Dwayne Ziegler, Project Manager:	(714)920-9311 - 24 Hours
----------------------------------	--------------------------

Closest Phone for Emergencies:	Cellular Phones
--------------------------------	-----------------

Medical Emergencies:

For emergencies requiring ambulance service, call 911 for transportation of injured to hospital. Life-flight is available and can be obtained when calling 911.

Nearest Facility:

For medical emergencies that do not require ambulance service, Saint Mary Medical Center is very near the Site. Directions from the Site to the hospital are as follows: Exit the Site and go east on Anaheim to south on Linden Avenue. The hospital is located on the southeast corner of Linden and 11th Street. The most direct route is shown on the attached map.



California Regional Water Quality Control Board

Los Angeles Region

(50 Years Serving Coastal Los Angeles and Ventura Counties)

320 W. 4th Street, Suite 200, Los Angeles, California 90013
Phone (213) 576-6600 FAX (213) 576-6640
Internet Address: <http://www.swrcb.ca.gov/rwqcb4>



Gray Davis
Governor

Winston H. Hickox
Secretary for
Environmental
Protection

February 19, 2002

Mr. David McCarthy
City of Long Beach Fleet Services Bureau
2600 Temple Avenue
Long Beach, CA 90806

FEB 27 2002

UNDERGROUND STORAGE TANK PROGRAM-SOIL AND GROUNDWATER ASSESSMENT LONG BEACH CITY TOW YARD 901 WEST ANAHEIM STREET, LONG BEACH (CASE #908130498)

Dear Mr. McCarthy:

We have reviewed "Workplan to Advance Geoprobos and Install Groundwater Monitoring Wells", dated November 15, 2001, prepared by The Reynolds Group, for the subject site. The workplan proposes to advance six geoprobos and install three groundwater monitoring wells in the areas of greatest contamination to fully define the vertical and horizontal extent of contamination beneath the subject site. We concur with the workplan, provided the following conditions are met:

1. If these proposed wells detect any petroleum hydrocarbons including oxygenates, then additional wells are to be installed at appropriate locations, during this phase of hydrogeologic assessment.
2. All work must be performed by or under the direction of a registered geologist, certified engineering geologist, or registered civil engineer. A statement is required in the report that the registered professional in direct responsible charge actually supervised or personally conducted accordance to all the work associated with the project, as defined in the Professional Engineers Act or the Registered Geologist Act of California Code of Regulations. The registered professional shall assume responsibility for the accuracy and completeness of the logs.
3. All soil samples to be analyzed must be prepared per USEPA Method 5035.
4. The soil and groundwater samples must analyzed for total petroleum hydrocarbons as gasoline (TPHg) and diesel (TPH_d) with EPA Method 8015 modified, with EPA method 8260B for benzene, toluene, ethylbenzene, and total xylenes (BTEX) and fuel oxygenates methyl tertiary butyl ether (MTBE), di-isopropyl ether (DIPE), ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), and tertiary butyl alcohol (TBA). If MTBE is detected it must be quantified using EPA Method 8260B. All analytical data must be reported by a California certified laboratory.
5. The construction and development of groundwater monitoring wells must comply with the requirements prescribed in California Code of Regulations (CCRs), Title 23, Division 3, Chapter 16, Section 2649.
6. All necessary permits must be obtained from the appropriate agencies prior to the start of work.

California Environmental Protection Agency

The energy challenge facing California is real. Every Californian needs to take immediate action to reduce energy consumption
For a list of simple ways to reduce demand and cut your energy costs, see the tips at: <http://www.swrcb.ca.gov/news/echallenge.html>



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Our mission is to preserve and enhance the quality of California's water resources for the benefit of present and future generations.

Mr. David McCarthy
Long Beach City Tow Yard

February 19, 2002

7. Laboratory analyses and the reported results must be conducted in accordance with the "Leaking Underground storage Tanks Program-Updated Laboratory Testing Requirements," date June 22, 2000.
8. All reports must conform to the "Guidelines for Report Submittals" published by the Los Angeles County Department of Public Works, except for pages 28 & 29, which have been superceded by our low risk closure criteria and MTBE review procedure.
9. Please notify this Regional Board at least **seven days** prior to start of any fieldwork so that one of our staff may be present.
10. You are required to continue the quarterly groundwater monitoring and sampling at groundwater monitoring wells. The groundwater monitoring reports are to be submitted quarterly according to the following schedule:

<u>Reporting Period</u>	<u>Report Due Date</u>
January – March	April 15
April – June	July 15
July – September	October 15
October – December	January 15

Pursuant to Sections 13267(b) of the California Water Code, you are required to submit a technical report detailing this phase of the investigation to this Regional Board by **April 19, 2002**. Failure to fully comply with the due date may result in enforcement action by the Regional Board.

If you have any question regarding this matter, please call Mr. Noman M. Chowdhury at (213) 576-6704.

Sincerely,



Gregg Kwey
Senior Water Resources Control Engineer

cc: Mr. Hari Patel, State Water Resources Control Board, Underground Storage Tank Cleanup Fund
Ms. Yvonne Shanks, State Water Resources Control Board, Underground Storage Tank Cleanup Fund
✓ Mr. Jeff Benedit, Joint Power Agency, Long Beach/Signal Hill, 2525 Grand Ave., Long Beach, CA 90815
Mr. Steven Nakauchi, City of Long Beach, Department of Health and Human Services
Mr. F. Edward Reynolds, Jr., The Reynolds Group, 250 El Camino Real, Suite 204, CA 92780

California Environmental Protection Agency

The energy challenge facing California is real. Every Californian needs to take immediate action to reduce energy consumption
For a list of simple ways to reduce demand and cut your energy costs, see the tips at: <http://www.swrcb.ca.gov/news/echallenge.html>



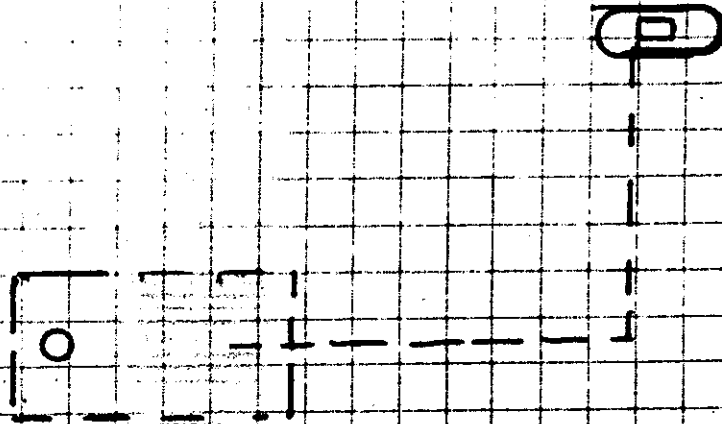
Recycled Paper

Our mission is to preserve and enhance the quality of California's water resources for the benefit of present and future generations.

MBC, USTs

PRIME OF CALIFORNIA,
14751 S. Garfield Ave.
PARAMOUNT, CA 90723
Phone 774-3270 State Lic. #262413

JOB CITY OF LONG BEACH
SHEET NO. 1601 SAN ANGELO LONG BEACH, CA
CALCULATED BY _____ DATE _____
CHECKED BY _____ DATE _____
SCALE NONE



ADD 2 INCH GALVANIZED SCHEDULE 40
PIPE W/ SWING JOINTS 10 MIL TAPE
WRAP FOR VAPOR RECOVERY TO
EXISTING GASOLINE TANK
EMCO W/ HEATER VAPOR RECOVERY

APPROVED
SEP 30 1979
L. O. F. D.
BUREAU OF FIRE PREVENTION

CITY OF LONG BEACH.

DEPARTMENT OF FIRE

BUREAU OF FIRE PREVENTION

100 MAGNOLIA AVENUE

Telephone 435-3440

FLAMMABLE LIQUIDS PERMIT

PERMIT FOR UNDERGROUND STORAGE OF FLAMMABLE LIQUIDS IN ACCORDANCE WITH PART 14
OF THE LONG BEACH MUNICIPAL CODE

CLASS OF LIQUID 11 DATE ISSUED January 10, 1965

LOCATION 1725 San Francisco St.

INSTALL (1) 10,000 Diesel Fuel

REMOVE

REPAIR

PIPING

TANK X

CAPACITY 10,000

U. L. NUMBERS

TO BE USED IN CONNECTION WITH Public Service Dept.

TYPE OF PUMP

OPERATED BY

PRESENT NUMBER OF TANKS 1

PUMPS

REMARKS

TOTAL NUMBER OF TANKS, INCLUDING ABOVE, AT THIS ADDRESS 2

TOTAL NUMBER OF PUMPS, INCLUDING ABOVE, AT THIS ADDRESS 1

TOTAL GALLONS, INCLUDING ABOVE, STORED AT THIS ADDRESS 20,000

DATE 1-14-69 INSPECTION

BY

APPLICANT City of Long Beach

ADDRESS Same

BY

ADDRESS Public Service Dept

TELEPHONE NO.

TANK 1-14-69

PIPING 3-28-69

VENT

PERMIT ISSUED BY
BUREAU OF FIRE PREVENTION

NOTE: Inspection must be made by Bureau of Fire Prevention prior to covering Tanks and Piping, or removing Tanks

NORTH FIRE DEPARTMENT
BUREAU OF FIRE PREVENTION
400 West Broadway
Long Beach, California 90802

APPLICATION FOR PERMIT
STORAGE, HANDLING, USE OR SALE OF FLAMMABLE AND COMBUSTIBLE LIQUIDS
IN COMMERCIAL AND INDUSTRIAL ESTABLISHMENTS
Article 15, Uniform Fire Code

Name of Business City Public Service Corp. Phone No. 422-8904
Business Address 1725 San Francisco Ave.
Owner of Business or Robert Kennedy Emergency Phone No. 598-2137
Officer of Corporation

List type and amounts of flammable and combustible liquids to be used or stored on the premises:

TYPE	NO. OF TANKS	FLASH POINT	UNDERGROUND STORAGE	INSIDE STORAGE	OUTSIDE STORAGE
Diesel fuel	1		10,000 Gals.	Gals.	Gals.
			Gals.	Gals.	Gals.
			Gals.	Gals.	Gals.
			Gals.	Gals.	Gals.
			Gals.	Gals.	Gals.

Is building equipped with an approved automatic sprinkler system? Yes _____ No _____

Does electrical wiring and equipment in building comply with state electrical safety orders and local electrical safety orders and local electrical code? Yes _____ No _____

Are "NO SMOKING" signs installed in storage, dispensing, or mixing areas? Yes _____ No _____

Are flammable or combustible liquids dispensed into smaller containers? Yes _____ No _____

Is area or room for dispensing, or mixing of flammable or combustible liquids been approved by the Fire and Building Departments? Yes _____ No _____

SIGNATURE OF APPLICANT _____ Title _____

APPLICATION: Approved ☒ Denied ☐ By R. J. Sullivan, C. M. J. T. Date 3-29-76
FIRE MARSHAL OR INSPECTOR

REMARKS: (For Departmental Use Only)

RECEIVED
MAR 30 1976

Ans. Date 4-16-77

Fee _____

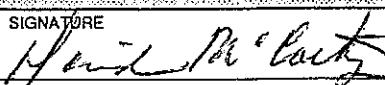
Date Rec'd. _____

Rec'd. By _____

BUREAU OF FIRE PREVENTION

04026

UNDERGROUND STORAGE TANK UNAUTHORIZED RELEASE (LEAK) / CONTAMINATION SITE REPORT

EMERGENCY ☐ YES ☒ NO		HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED? ☐ YES ☒ NO		FOR LOCAL AGENCY USE ONLY I HEREBY CERTIFY THAT I HAVE DISTRIBUTED THIS INFORMATION ACCORDING TO THE DISTRIBUTION SHOWN ON THE INSTRUCTION SHEET ON THE BACK PAGE OF THIS FORM.	
REPORT DATE 08/04/95		CASE # (310) 570-5410		SIGNED _____ DATE _____	
REPORTED BY	NAME OF INDIVIDUAL FILING REPORT _____		PHONE (310) 570-5410		SIGNATURE 
	REPRESENTING ☐ OWNER/OPERATOR ☐ REGIONAL BOARD ☐ LOCAL AGENCY ☒ OTHER <u>Delegate</u>		COMPANY OR AGENCY NAME Fleet Services Bureau		
	ADDRESS 2801 E. Willow St. Long Beach CA 90806				
RESPONSIBLE PARTY	NAME City of Long Beach A Municipal Corporation ☐ UNKNOWN		CONTACT PERSON Robert Metzger		PHONE (310) 570-6277
	ADDRESS 333 W. Ocean Blvd Long Beach CA 90802				
SITE LOCATION	FACILITY NAME (IF APPLICABLE) Public Service Yard		OPERATOR Department of Pub. Works		PHONE (310) 570-2714
	ADDRESS 1725 San Francisco Ave Long Beach COUNTY L.A. ZIP 90813				
	CROSS STREET Pacific Coast Highway				
IMPLEMENTING AGENCIES	LOCAL AGENCY Long Beach Fire Prevention		CONTACT PERSON Inspector Tom Hays		PHONE (310) 570-2561
	REGIONAL BOARD Ca. Water Resources, S.W. Dist.		Region #4		PHONE (213) 266-7500
SUBSTANCES INVOLVED	(1) NAME Motor Oil (New)				QUANTITY LOST (GALLONS) 110 ☐ UNKNOWN
	(2) _____ ☐ UNKNOWN				☐ UNKNOWN
DISCOVERY/ABATEMENT	DATE DISCOVERED 08/04/95		HOW DISCOVERED ☒ INVENTORY CONTROL ☐ SUBSURFACE MONITORING ☐ TANK TEST ☐ TANK REMOVAL ☐ OTHER _____		
	DATE DISCHARGE BEGAN 08/03/95 ☐ UNKNOWN		METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY) ☒ REMOVE CONTENTS ☐ CLOSE TANK & REMOVE ☐ REPAIR PIPING ☐ REPAIR TANK ☐ CLOSE TANK & FILL IN PLACE ☒ CHANGE PROCEDURE ☐ REPLACE TANK ☐ OTHER _____		
	HAS DISCHARGE BEEN STOPPED? ☒ YES ☐ NO IF YES, DATE 08/04/95				
SOURCE/ CAUSE	SOURCE OF DISCHARGE ☐ TANK LEAK ☐ UNKNOWN ☒ PIPING LEAK ☐ OTHER _____		CAUSE(S) ☐ OVERFILL ☒ RUPTURE/FAILURE ☐ SPILL ☐ CORROSION ☐ UNKNOWN ☐ OTHER _____		
	CASE TYPE ☒ UNDETERMINED ☐ SOIL ONLY ☐ GROUNDWATER ☐ DRINKING WATER - (CHECK ONLY IF WATER WELLS HAVE ACTUALLY BEEN AFFECTED)				
CURRENT STATUS	CHECK ONE ONLY ☐ NO ACTION TAKEN ☐ PRELIMINARY SITE ASSESSMENT WORKPLAN SUBMITTED ☐ POLLUTION CHARACTERIZATION ☐ LEAK BEING CONFIRMED ☒ PRELIMINARY SITE ASSESSMENT UNDERWAY ☐ POST CLEANUP MONITORING IN PROGRESS ☐ REMEDIATION PLAN ☐ CASE CLOSED (CLEANUP COMPLETED OR UNNECESSARY) ☐ CLEANUP UNDERWAY				
	REMEDIAL ACTION CHECK APPROPRIATE ACTION(S) (SEE BACK FOR DETAILS) ☐ CAP SITE (CD) ☐ EXCAVATE & DISPOSE (ED) ☐ REMOVE FREE PRODUCT (FP) ☐ ENHANCED BIO DEGRADATION (IT) ☐ CONTAINMENT BARRIER (CB) ☐ EXCAVATE & TREAT (ET) ☐ PUMP & TREAT GROUNDWATER (GT) ☐ REPLACE SUPPLY (RS) ☐ VACUUM EXTRACT (VE) ☐ NO ACTION REQUIRED (NA) ☐ TREATMENT AT HOOKUP (HU) ☐ VENT SOIL (VS) ☐ OTHER (OT) _____				
COMMENTS					

Monitoring
Well Permits

APPLICATION FOR WELL PERMIT

CITY OF LONG BEACH HEALTH DEPARTMENT

Date

5/13/94

DESCRIPTION

Type of permit (Check)

- ☒ New Well Construction
☐ Reconstruction or Renovation
☐ Destruction

Type of well

- ☐ Private Domestic
☐ Public Domestic
☐ Irrigation
☒ Monitor

- ☐ Electrode
☐ Industrial
☐ Gravel Pack

Type of casing, if any Schedule 40 PVC casing (See Plate 1) + locking Traffic Rated well cover

Method of sealing of casing and/or excavation Five feet of Bentonite seal and Bentonite - concrete slurry (See Plate 1)

Method of destruction ---

Address (Number Street and Nearest Intersection)

15th Street and San Francisco Avenue.

City

Long Beach.

Diagram (Show property lines, street, address, well site, sewers, and private sewage disposal systems along with labels and dimensions.)

LOCATION

See attached plate No 2

APPLICANT

Name of Well Driller (Print)

Randy Fagan

Name of Well Owner (Print)

City of Long Beach Public Works

Trade Name

CNL

Mailing Address

15th Street and San Francisco Ave.

Business Address

600 E. Lambert Road City La Habra 90631

City

Long Beach.

I hereby agree to comply in every respect with all regulations of the City Health Department and with all ordinances and laws of the City of Long Beach and of the State of California pertaining to well construction, reconstruction and destruction. Upon completion of well and within ten days thereafter, I will furnish the City Health Department with a complete log of the well, giving date drilled, depth of well, all perforations in casing, and any other data deemed necessary by such City Health Department.

Allen Guerman
 Applicant's Signature

Disposition of Application: (For Office Use Only)

- ☒ Approved with Conditions
☐ Denied

Date

5-20-94

If denied or approved with conditions, report reason or conditions here:
 To be done in accordance with water well bulletin 74-81 and 74-90.

M. Johnson, M.D.
 Health Officer

By

[Signature]
 Director, Division of Environmental Health

WHEN SIGNED BY HEALTH OFFICER, THIS APPLICATION IS A PERMIT.
 (APPLICANT)



THOMAS A. TIDEMANSON, Director

COUNTY OF LOS ANGELES

DEPARTMENT OF PUBLIC WORKS

900 SOUTH FREMONT AVENUE
ALHAMBRA, CALIFORNIA 91803-1331
Telephone: (818) 458-5100

ADDRESS ALL CORRESPONDENCE TO:
P.O. BOX 1460
ALHAMBRA, CALIFORNIA 91802-1460

IN REPLY PLEASE
REFER TO FILE

D-1

April 21, 1994

no fee

To Whom It May Concern:

PROJECT 9037 PUMP STATION

This is to introduce the consulting firm of Moffat & Nichol Engineers. This firm and their sub-consultants, Tetra Design, Inc., Diaz-Yourman & Associates, Cost Surveying, Inc., and Lynn Capooya, Inc., have been contracted to prepare plans and supporting data for the design of the above project for this Department. This contractual relationship is expected to last until June 1995.

Please cooperate with them and extend to them all courtesy due this Department. Should you have any questions regarding the above noted firms, please contact Mr. Jose Quevedo at (818) 458-7835.

Very truly yours,

HARRY W. STONE
Acting Director of Public Works

James F. Erpenbach

JAMES F. ERPENBACH
Assistant Deputy Director
Design Division

JQ:JK
WP7/INTRO1.JQ



consultants
DIAZ-YOURMAN
& ASSOCIATES

Jorge Sandoval
Project Engineer

Geotechnical Services
17461 Irvine Blvd., Suite E Tustin CA 92680-3034
Tel. (714) 838-8565 Fax (714) 838-8741

5-20-94 8:36 AM
Spoke to Lu
Ordering from Public
Works - no more fees
due to another city, agency
OK

there drilling monitor well
To establish groundwater level --
NO CONTAMINATION problem, NOR do
They expect ANY

Tom M. Nelson
5-27-94

#0124

APPLICATION FOR WELL PERMIT

LONG BEACH HEALTH DEPARTMENT

Date

5/24/95

Type of permit (Check)

- ☒ New Well Construction
☐ Reconstruction or Renovation
☐ Destruction

Type of well

- ☐ Private Domestic
☐ Public Domestic
☐ Irrigation
☒ Monitor

- ☐ Electrode
☐ Industrial
☐ Gravel Pack

Type of casing, if any

4" diameter slotted and blank PVC Pipe

Method of sealing of casing and/or excavation

Slotted portion of pipe surrounded by filter sand. Bore
 above filter sand will be sealed with bentonite chips. Installed by hollow-stem auger techni

Method of destruction

New Well Installation

Address (Number, Street and Nearest Intersection)

Within City of L.B. Maintenance Yard @

City

Long Beach

Diagram (Show property lines, street, address, well site, sewers, and private sewage disposal systems along with labels and dimensions.)

SEE Figure 1

7601 SAN FRANCISCO

Name of Well Driller (Print)

GEOTECHNICAL AND Environmental

Trade Name

DRILLING, INC.

Business Address

739 N. MAIN ST. City Orange CA

Name of Well Owner (Print)

Los Angeles County Dept. of Public W

Mailing Address

PO Box 1460

City

Alhambra, CA 91802-1460

Disposition of Application: (For Office Use Only)

☒ Approved with Conditions☐ Denied

Date

5-24-95

If denied or approved with conditions, report reason or conditions here:
 To be done in accordance with water well bulletin 74-81 and 74-90.

I hereby agree to comply in every respect with all regulations of
 the City Health Department and with all ordinances and laws of
 the City of Long Beach and of the State of California pertaining to
 well construction, reconstruction and destruction. Upon comple-
 tion of well and within ten days thereafter, I will furnish the City
 Health Department with a complete log of the well, giving date
 drilled, depth of well, all perforations in casing, and any other data
 deemed necessary by such City Health Department.

Jeffrey S. Walker
 Applicant's Signature

M. Johnson, M.D.
 Health Officer

By *[Signature]*
 Director, Division of Environmental Health

WHEN SIGNED BY HEALTH OFFICER, THIS APPLICATION IS A PERMIT
 (APPLICANT)

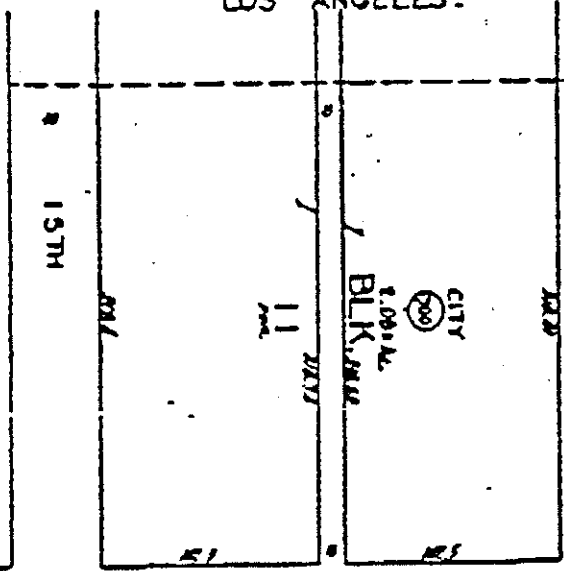
1994

COOE
5301



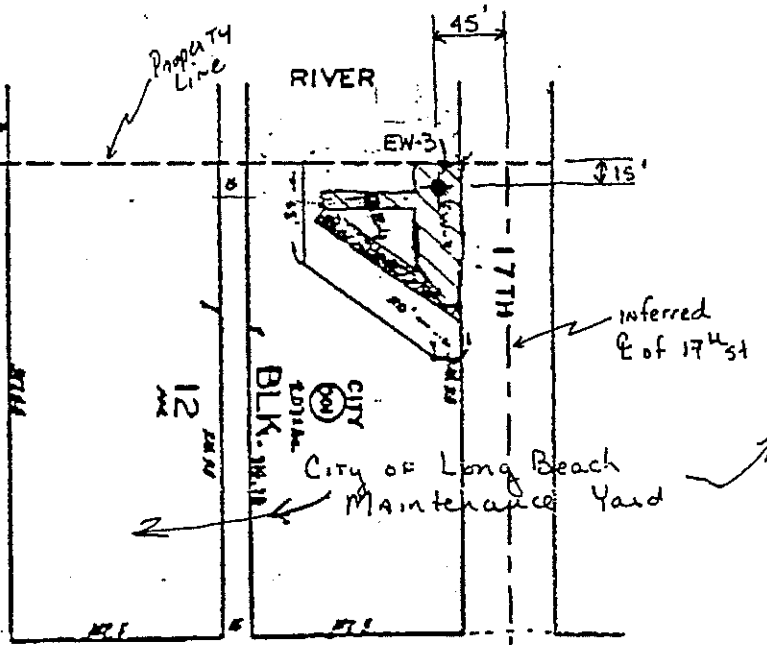
(2)

LOS ANGELES



16TH

RIVER



(18)

SAN FRANCISCO

AVE.

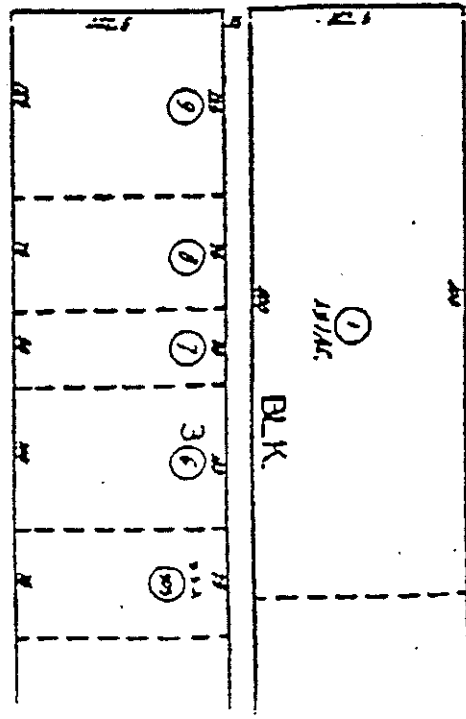
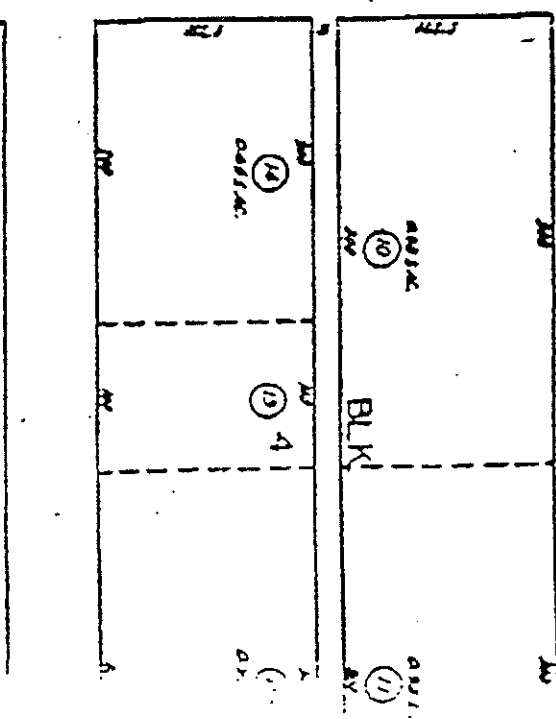


Figure 1

(11)

Street lines per M.S. 85-2
The lot lines are based
on the division of

714-634-1353
m. Walker, Jeff
L.B. maintenance yard

CARMEN —

GEO ENVIRONMENTS L

Limited ~~to~~ PHASE II

To determine if soil & groundwater
was contaminated. For EASMENT

05-31-95

Geo Environmental called me to pay
work was done for L.A. County Dept of
Public Works. Lab report was N.D. for 8080, 8085
ACQUISITION
CARMEN

APPLICATION FOR WELL PERMIT
OF LONG BEACH HEALTH DEPARTMENT

Date

6/9/95

Type of permit (Check)

- ☒ New Well Construction
☐ Reconstruction or Renovation
☐ Destruction

Type of well

- ☐ Private Domestic
☐ Public Domestic
☐ Irrigation
☒ Monitor
☐ Electrode
☐ Industrial
☐ Gravel Pack

Type of casing, if any

2" diameter PVC - Schedule 40 - Slotted from 10'-30' Blank from 0'-10'

Method of sealing of casing and/or excavation

Installed by Hollow stem auger technique; Sand Pack from 8'-30'; bentonite chip seal from 1'-8'; Concrete from 0.5'-1'; Traffic Rated well box at surface.

Method of destruction

Address (Number, Street and Nearest Intersection)

between 17th St and Esther Street on San Francisco Ave

City

Long Beach

Diagram (Show property lines, street, address, well site, sewers, and private sewage disposal systems along with labels and dimensions.)

SEE ATTACHED Drawing

Name of Well Driller (Print)

Discovery Drilling

Trade Name

Business Address

City

Name of Well Owner (Print)

County of Los Angeles Dept of Public Works

Mailing Address

PO Box 1460

City

Alhambra, CA 91802-1460

I hereby agree to comply in every respect with all regulations of the City Health Department and with all ordinances and laws of the City of Long Beach and of the State of California pertaining to well construction, reconstruction and destruction. Upon completion of well and within ten days thereafter, I will furnish the City Health Department with a complete log of the well, giving date drilled, depth of well, all perforations in casing, and any other data deemed necessary by such City Health Department.

X N. Seidman

Applicant's Signature

Disposition of Application: (For Office Use Only)

☒ Approved with Conditions☐ Denied

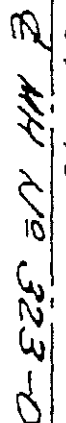
Date

6-12-95

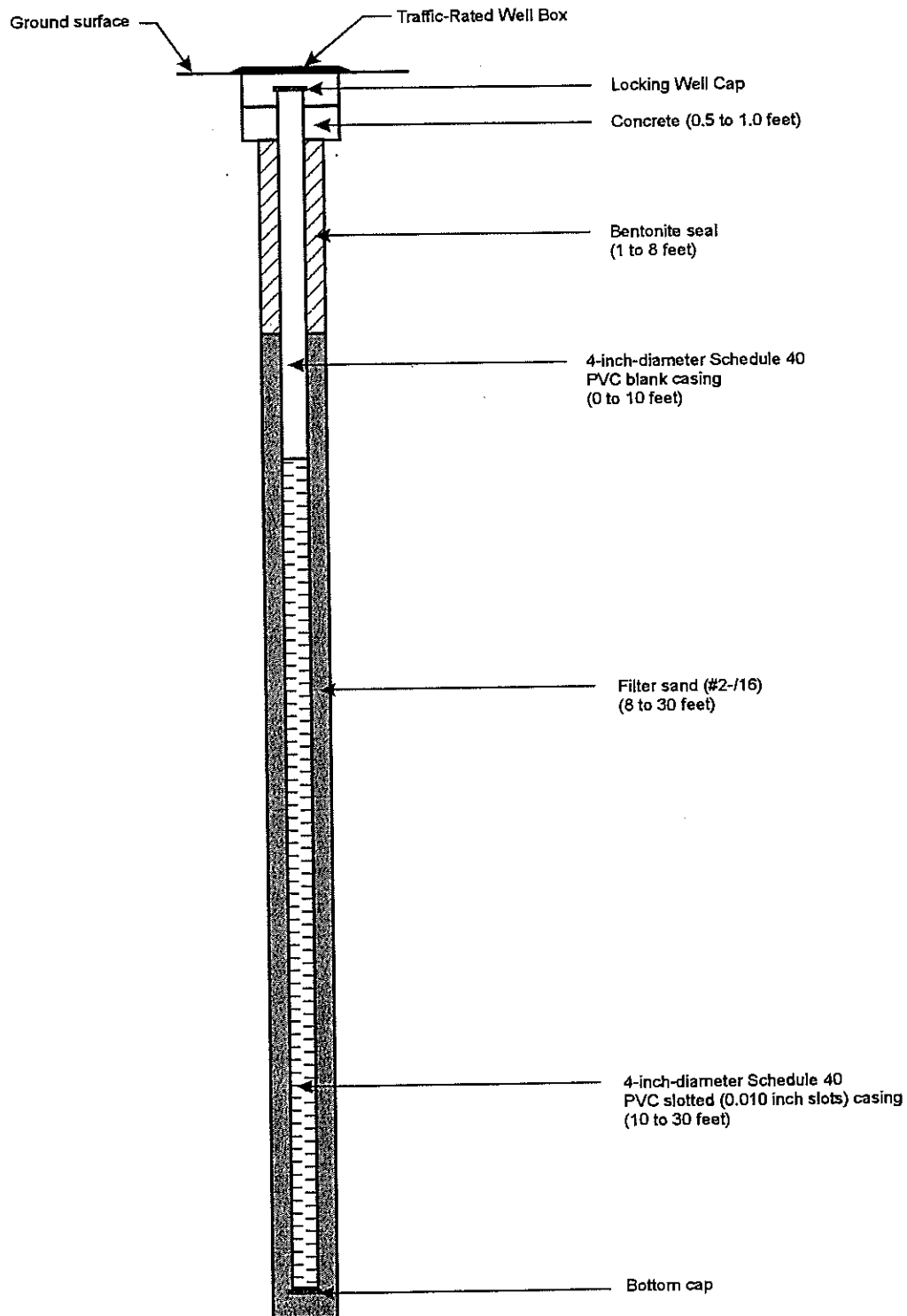
If denied or approved with conditions, report reason or conditions here:
To be done in accordance with water well bulletin 74-81 and 74-90.

M. Johnson, M.D.
Health Officer

- Sher M. Nafar (For)



Post-it™ brand fax transmittal memo 7571	# of pages = 1
From: Farhat Siddigs	To: Amir Alam
Co: GEI	Co: LA County DFW
Dept:	Phone: (98) 456-4725



DRAWING NOT TO SCALE

GEI

MONITORING WELL P-3
PHASE II INVESTIGATION
LONG BEACH, CALIFORNIA

Figure 2

APPENDIX F
EDR DATABASE SUMMARY REPORT
(See CD Insert for Complete Report)





The EDR Radius Map™ Report

**901 W Anaheim St
901 W Anaheim St
Long Beach, CA 90813**

Inquiry Number: 01201380.1r

May 28, 2004

The Standard in Environmental Risk Management Information

440 Wheelers Farms Road
Milford, Connecticut 06460

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com

TABLE OF CONTENTS

<u>SECTION</u>	<u>PAGE</u>
Executive Summary	ES1
Overview Map	2
Detail Map	3
Map Findings Summary	4
Map Findings	6
Orphan Summary	144
EPA Waste Codes	EPA-1
Government Records Searched/Data Currency Tracking	GR-1

GEOCHECK ADDENDUM

GeoCheck - Not Requested

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc. (EDR). The report meets the government records search requirements of ASTM Standard Practice for Environmental Site Assessments, E 1527-00. Search distances are per ASTM standard or custom distances requested by the user.

TARGET PROPERTY INFORMATION

ADDRESS

901 W ANAHEIM ST
LONG BEACH, CA 90813

COORDINATES

Latitude (North): 33.783300 - 33° 46' 59.9"
Longitude (West): 118.203800 - 118° 12' 13.7"
Universal Transverse Mercator: Zone 11
UTM X (Meters): 388544.5
UTM Y (Meters): 3738586.5
Elevation: 12 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property: 33118-G2 LONG BEACH (DIGITAL), CA
Source: USGS 7.5 min quad index

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following government records. For more information on this property see page 6 of the attached EDR Radius Map report:

<u>Site</u>	<u>Database(s)</u>	<u>EPA ID</u>
VEHICLE TOW YARD 901 ANAHEIM LONG BEACH, CA	Cortese	N/A
LONG BEACH CITY TOW YARD 901 ANAHEIM ST W LONG BEACH, CA 90813	LUST	N/A
CITY OF LONG BEACH 0929 W ANAHEIM ST LONG BEACH, CA	UST	N/A
CITY OF LONG BEACH TOWING OPERATIONS 901 W ANAHEIM LONG BEACH, CA 90813	HAZNET	N/A

EXECUTIVE SUMMARY

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the ASTM E 1527-00 search radius around the target property for the following databases:

FEDERAL ASTM STANDARD

NPL	National Priority List
Proposed NPL	Proposed National Priority List Sites
CERCLIS	Comprehensive Environmental Response, Compensation, and Liability Information System
RCRIS-TSD	Resource Conservation and Recovery Information System
RCRIS-LQG	Resource Conservation and Recovery Information System
ERNS	Emergency Response Notification System

STATE ASTM STANDARD

AWP	Annual Workplan Sites
Cal-Sites	Calsites Database
CHMIRS	California Hazardous Material Incident Report System
Notify 65	Proposition 65 Records
Toxic Pits	Toxic Pits Cleanup Act Sites
WMUDS/SWAT	Waste Management Unit Database
CA BOND EXP. PLAN	Bond Expenditure Plan
VCP	Voluntary Cleanup Program Properties
INDIAN UST	Underground Storage Tanks on Indian Land
INDIAN LUST	Leaking Underground Storage Tanks on Indian Land

FEDERAL ASTM SUPPLEMENTAL

CONSENT	Superfund (CERCLA) Consent Decrees
ROD	Records Of Decision
Delisted NPL	National Priority List Deletions
HMIRS	Hazardous Materials Information Reporting System
MLTS	Material Licensing Tracking System
MINES	Mines Master Index File
NPL Liens	Federal Superfund Liens
PADS	PCB Activity Database System
FUDS	Formerly Used Defense Sites
INDIAN RESERV	Indian Reservations
DOD	Department of Defense Sites
US BROWNFIELDS	A Listing of Brownfields Sites
RAATS	RCRA Administrative Action Tracking System
TRIS	Toxic Chemical Release Inventory System
TSCA	Toxic Substances Control Act
SSTS	Section 7 Tracking Systems
FTTS INSP	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

STATE OR LOCAL ASTM SUPPLEMENTAL

AST	Aboveground Petroleum Storage Tank Facilities
------------------	---

EXECUTIVE SUMMARY

CA WDS.....	Waste Discharge System
DEED.....	List of Deed Restrictions
SCH.....	School Property Evaluation Program
NFA.....	No Further Action Determination
REF.....	Unconfirmed Properties Referred to Another Agency
NFE.....	Properties Needing Further Evaluation
LA Co. Site Mitigation.....	Site Mitigation List
AOCONCERN.....	San Gabriel Valley Areas of Concern

EDR PROPRIETARY HISTORICAL DATABASES

Coal Gas..... Former Manufactured Gas (Coal Gas) Sites

BROWNFIELDS DATABASES

US BROWNFIELDS..... A Listing of Brownfields Sites
VCP..... Voluntary Cleanup Program Properties

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

FEDERAL ASTM STANDARD

CERCLIS-NFRAP: As of February 1995, CERCLIS sites designated "No Further Remedial Action Planned" (NFRAP) have been removed from CERCLIS. NFRAP sites may be sites where, following an initial investigation, no contamination was found, contamination was removed quickly without the need for the site to be placed on the NPL, or the contamination was not serious enough to require Federal Superfund Action or NPL consideration. EPA has removed approximately 25,000 NFRAP sites to lift the unintended barriers to the redevelopment of these properties and has archived them as historical records so EPA does not needlessly repeat the investigations in the future. This policy change is part of the EPA's Brownfields Redevelopment Program to help cities, states, private investors and affected citizens to promote economic redevelopment of unproductive urban sites.

A review of the CERC-NFRAP list, as provided by EDR, and dated 02/26/2004 has revealed that there is 1 CERC-NFRAP site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>AIR PROD AND CHEM INC</i>	<i>901 W 12TH ST</i>	<i>0 - 1/8 SSE</i>	<i>D15</i>	<i>20</i>

EXECUTIVE SUMMARY

CORRACTS: CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

A review of the CORRACTS list, as provided by EDR, and dated 03/15/2004 has revealed that there is 1 CORRACTS site within approximately 1 mile of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
CROSBY & OVERTON PLANT NUMBER	1630 W 17TH ST	1/2 - 1 WNW 94		118

RCRIS: Resource Conservation and Recovery Information System. RCRIS includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs): generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs): generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators (LQGs): generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste from the generator off-site to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

A review of the RCRIS-SQG list, as provided by EDR, and dated 04/13/2004 has revealed that there are 11 RCRIS-SQG sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
SEVEN STRAND TACKLE CORP	899 W COWLES ST	0 - 1/8 NNE	E17	21
ENVIRONMENTAL SERVS DIV	716 W 14TH ST	1/8 - 1/4ENE	H28	28
ELLIS PAINT CO	1200 OREGON AVE	1/8 - 1/4ESE	42	43
IT CORP-ROUTH TRANSPORT & TRAN	800 15TH ST	1/8 - 1/4NNE	L46	45
CHANCELLOR & OGDEN	800 W 15TH ST	1/8 - 1/4NNE	L48	49
MESA ENVIRONMENTAL SVCS INC	721 W 15TH ST	1/8 - 1/4NE	N54	53
LONG BEACH CITY, PUB SERV DEPT	1601 SAN FRANCISCO AVEN	1/8 - 1/4N	O61	59
LONG BEACH TESTING LAB CITY OF	1475 SAN FRANCISCO AVE	1/8 - 1/4N	O62	60
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
T R OIL SERVICES LOB	801 WEST 14TH STREET	0 - 1/8 ENE	C8	10
AIR PROD AND CHEM INC	901 W 12TH ST	0 - 1/8 SSE	D15	20
NOVA TECHNO CORPORATION	1368 OREGON AVE	1/8 - 1/4E	I32	34

STATE ASTM STANDARD

CORTESE: This database identifies public drinking water wells with detectable levels of contamination, hazardous substance sites selected for remedial action, sites with known toxic material identified through the abandoned site assessment program, sites with USTs having a reportable release and all solid waste disposal facilities from which there is known migration. The source is the California Environmental Protection Agency/Office of Emergency Information.

A review of the Cortese list, as provided by EDR, has revealed that there are 24 Cortese sites within approximately 0.5 miles of the target property.

EXECUTIVE SUMMARY

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
THE FOOD BANK OF SOUTHERN	1444 SAN FRANCISCO	0 - 1/8 NNE	E13	17
BKK CORP	0800 W 15TH ST	1/8 - 1/4NNE	L47	46
DOUGLAS PRODUCE	648 COWLES ST	1/8 - 1/4ENE	M52	50
DOUGLAS BROS PRODUCE CO	0648 W COWLES ST	1/8 - 1/4ENE	M53	53
PUBLIC SERVICE YARD	1725 SAN FRANCISCO AVE	1/8 - 1/4N	O58	55
MICOR ENERGY LLC	1234 COWLES ST W	1/4 - 1/2 WNW	64	62
R & M ENTERPRISES	1501 DAISY AVE	1/4 - 1/2ENE	65	64
HARBOR DIESEL & EQUIPMENT INC	0537 W ANAHEIM ST	1/4 - 1/2E	66	66
DIAMOND U PRODUCTS, INC	1429 MAGNOLIA AVE	1/4 - 1/2ENE	68	73
ASSOCIATED BREWERS DIST	615 017TH	1/4 - 1/2NE	73	80
BULK TERMINAL	960 DE FOREST AVE	1/4 - 1/2S	Q75	82
SANTA FE PACIFIC PIPELINE	DE FOREST AVE	1/4 - 1/2S	Q76	84
GOODWILL INDUSTRIES	800 PACIFIC COAST HWY W	1/4 - 1/2N	82	96
NATIONAL PLANT SERVICES	1364 016TH	1/4 - 1/2NW	83	98
MARINE HARDWARE CO	1322 017TH ST W	1/4 - 1/2NW	86	103
LA MIRAGE INN	701 PACIFIC COAST HWY W	1/4 - 1/2NNE	88	107
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
T R OIL SERVICES LOB	801 WEST 14TH STREET	0 - 1/8 ENE	C8	10
ARATEX SERVICES INC	1405 E 58TH PL	1/8 - 1/4ESE	J38	39
DOUGLAS ROBINSON PROPERTY	718 ANAHEIM	1/8 - 1/4ESE	J41	43
GEROGE MITCHEL	1326 012TH	1/4 - 1/2WSW	P69	76
GOODYEAR	1350 12TH	1/4 - 1/2WSW	P70	78
ACME OIL CO (MCMULLEN OIL	1305 016TH	1/4 - 1/2NW	74	82
RUSSELL TRUCK COMPANY	1430 011TH ST W	1/4 - 1/2WSW	79	91
COMMERCIAL TRUCK BODIES	1468 014TH ST W	1/4 - 1/2W	85	101

SWF/LF: The Solid Waste Facilities/Landfill Sites records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. The data come from the Integrated Waste Management Board's Solid Waste Information System (SWIS) database.

A review of the SWF/LF list, as provided by EDR, has revealed that there is 1 SWF/LF site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
PUBLIC SERVICE TRANSFER STATIO	1601 SAN FRANCISCO AVE.	1/8 - 1/4N	O63	60

LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the State Water Resources Control Board Leaking Underground Storage Tank Information System.

A review of the LUST list, as provided by EDR, and dated 04/13/2004 has revealed that there are 24 LUST sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
THE FOOD BANK OF SOUTHERN	1444 SAN FRANCISCO	0 - 1/8 NNE	E13	17
BKK CORP	0800 W 15TH ST	1/8 - 1/4NNE	L47	46
DOUGLAS PRODUCE	648 COWLES ST	1/8 - 1/4ENE	M52	50
PUBLIC SERVICE YARD	1725 SAN FRANCISCO AVE	1/8 - 1/4N	O58	55
MICOR ENERGY LLC	1234 COWLES ST W	1/4 - 1/2 WNW	64	62
R & M ENTERPRISES	1501 DAISY AVE	1/4 - 1/2ENE	65	64

EXECUTIVE SUMMARY

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
HARBOR DIESEL & EQUIPMENT INC	0537 W ANAHEIM ST	1/4 - 1/2E	66	66
DIAMOND U PRODUCTS, INC	1429 MAGNOLIA AVE	1/4 - 1/2ENE	68	73
ASSOCIATED BREWERS DIST	615 017TH	1/4 - 1/2NE	73	80
BULK TERMINAL	960 DE FOREST AVE	1/4 - 1/2S	Q75	82
SANTA FE PACIFIC PIPELINE	DE FOREST AVE	1/4 - 1/2S	Q76	84
MTA DIV. 12	970 CHESTER PL W.	1/4 - 1/2S	R80	93
GOODWILL INDUSTRIES	800 PACIFIC COAST HWY W	1/4 - 1/2N	82	96
NATIONAL PLANT SERVICES	1364 016TH	1/4 - 1/2NW	83	98
MARINE HARDWARE CO	1322 017TH ST W	1/4 - 1/2NW	86	103
LA MIRAGE INN	701 PACIFIC COAST HWY W	1/4 - 1/2NNE	88	107
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
T R OIL SERVICES LOB	801 WEST 14TH STREET	0 - 1/8 ENE	C8	10
WEST COAST CHOPPERS	718 ANAHEIM ST W	1/8 - 1/4ESE	F31	32
ARATEX SERVICES INC	1405 E 58TH PL	1/8 - 1/4ESE	J38	39
NEILL AIRCRAFT COMPANY	1260 W 15TH STREET	1/4 - 1/2WNW	67	70
GEROGE MITCHEL	1326 012TH	1/4 - 1/2WSW	P69	76
ACME OIL CO (MCMULLEN OIL)	1651 FASHION AVE.	1/4 - 1/2NW	78	88
RUSSELL TRUCK COMPANY	1430 011TH ST W	1/4 - 1/2WSW	79	91
COMMERCIAL TRUCK BODIES	1468 014TH ST W	1/4 - 1/2W	85	101

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the UST list, as provided by EDR, and dated 04/13/2004 has revealed that there are 20 UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
THE FOODBANK OF SOUTHERN CALIF	1444 SAN FRANCISCO AVE	0 - 1/8 NNE	E14	19
METROPOLITAN CHEMICAL CO	0733 W 14TH ST	1/8 - 1/4ENE	H24	25
NOVA TECHNO CORP	1368 OREGON AVE	1/8 - 1/4E	H33	34
CARAVAN MANUFACTURING CO INC	1424 OREGON AVE	1/8 - 1/4ENE	39	42
HENDERSON & COMPANY	0703 W COWLES ST	1/8 - 1/4NE	K43	45
Not reported	1451 OREGON AVE	1/8 - 1/4NE	K44	45
BKK CORP	0800 W 15TH ST	1/8 - 1/4NNE	L47	46
AIR CARGO (NOT PREVIOUSLY ON T	0665 W COWLES ST #3	1/8 - 1/4ENE	M50	49
DOUGLAS BROS PRODUCE CO	0648 W COWLES ST	1/8 - 1/4ENE	M53	53
DYNATRON ELECTRIC CO. INC.	1492 OREGON AVE	1/8 - 1/4NE	N56	55
LOEM'S SPORTS WEAR	1501 OREGON AVE	1/8 - 1/4NE	N57	55
CITY OF L.B. PUBLIC SVC YD (2	1725 SAN FRANCISCO AVE	1/8 - 1/4N	O60	59
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
Not reported	0824 W ANAHEIM ST	0 - 1/8 ESE	B6	10
T R OIL SERVICES LOB	801 WEST 14TH STREET	0 - 1/8 ENE	C8	10
LIZETTE CREATIONS	0950 W 12TH ST	0 - 1/8 S	D9	15
FILE ONLY - CAL PACIFIC	0790 W 12TH ST	1/8 - 1/4SE	G19	23
Not reported	0750 W ANAHEIM ST	1/8 - 1/4ESE	F21	24
CHEVRON #209725 (2 D/W XERXES	0725 W ANAHEIM ST	1/8 - 1/4ESE	F27	28
VACANT	0710 W ANAHEIM ST	1/8 - 1/4ESE	J34	37
AMERICAN BUFFALO INC	0702 W ANAHEIM ST	1/8 - 1/4ESE	J36	37

EXECUTIVE SUMMARY

CA FID: The Facility Inventory Database contains active and inactive underground storage tank locations. The source is the State Water Resource Control Board.

A review of the CA FID UST list, as provided by EDR, has revealed that there are 5 CA FID UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
LONG BEACH FOOD BANK	1444 SAN FRANCISCO	0 - 1/8 NNE	E11	16
NOVA TECHNO CORP	1368 OREGON AVE	1/8 - 1/4E	H33	34
BKK CORPORATION	800 W 015TH ST	1/8 - 1/4NNE	L45	45
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
T R OIL SERVICES LOB	801 WEST 14TH STREET	0 - 1/8 ENE	C8	10
CALIF. GLASS DIST.	790 W 012TH ST LONG BEA	1/8 - 1/4SSE	G20	23

HIST UST: Historical UST Registered Database.

A review of the HIST UST list, as provided by EDR, and dated 10/15/1990 has revealed that there are 5 HIST UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
LONG BEACH FOOD BANK	1444 SAN FRANCISCO AVE	0 - 1/8 NNE	E12	16
CALIF. GLASS DIST.	790 W. 12TH ST. LONG BE	1/8 - 1/4SE	G23	25
NOVA TECHNO CORP	1368 OREGON AVE	1/8 - 1/4E	H33	34
BKK CORP	0800 W 15TH ST	1/8 - 1/4NNE	L47	46
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
T R OIL SERVICES LOB	801 WEST 14TH STREET	0 - 1/8 ENE	C8	10

FEDERAL ASTM SUPPLEMENTAL

FINDS: The Facility Index System contains both facility information and "pointers" to other sources of information that contain more detail. These include: RCRIS; Permit Compliance System (PCS); Aerometric Information Retrieval System (AIRS); FATES (FIFRA [Federal Insecticide Fungicide Rodenticide Act] and TSCA Enforcement System, FTTS [FIFRA/TSCA Tracking System]; CERCLIS; DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes); Federal Underground Injection Control (FURS); Federal Reporting Data System (FRDS); Surface Impoundments (SIA); TSCA Chemicals in Commerce Information System (CICS); PADS; RCRA-J (medical waste transporters/disposers); TRIS; and TSCA. The source of this database is the U.S. EPA/NTIS.

A review of the FINDS list, as provided by EDR, and dated 04/08/2004 has revealed that there are 3 FINDS sites within approximately 0.125 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
SEVEN STRAND TACKLE CORP	899 W COWLES ST	0 - 1/8 NNE	E17	21
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
T R OIL SERVICES LOB	801 WEST 14TH STREET	0 - 1/8 ENE	C8	10
AIR PROD AND CHEM INC	901 W 12TH ST	0 - 1/8 SSE	D15	20

EXECUTIVE SUMMARY

STATE OR LOCAL ASTM SUPPLEMENTAL

DRYCLEANERS: A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaners' agents; linen supply; coin-operated laundries and cleaning; drycleaning plants except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

A review of the CLEANERS list, as provided by EDR, and dated 04/21/2004 has revealed that there is 1 CLEANERS site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
ARAMARK UNIFORM SERVICES INC	702 WEST ANAHEIM STREET	1/8 - 1/4ESE	J37	38

Emissions Inventory Data: Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies

A review of the EMI list, as provided by EDR, and dated 12/31/2002 has revealed that there are 20 EMI sites within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
PUBLIC SERVICE TRANSFER STATIO	1601 SAN FRANCISCO AVE.	1/8 - 1/4N	O63	60
LA CO., SANITATION DIST, LB PU	1238 W 16TH ST	1/4 - 1/2NW	72	79
LOMITA GASOLINE COMPANY INC	1348 WEST 9TH STREET	1/4 - 1/2SW	77	87
LA CO METRO TRANS AUTH DIV 12	970 W CHESTER PL	1/4 - 1/2S	R81	95
CUSTOM FIBERGLASS MFG CO/CUSTO	1700-68 HARBOR AV	1/2 - 1 NW	91	113
ROSS AUTO BODY	1756 SANTA FE	1/2 - 1 WNW	97	136
HI-TECK AUTO REPAIR AND BODY C	235 EAST PACIFIC COAST	1/2 - 1 ENE	101	140
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
STAPLETON TECHNOLOGIES INC	1350 W 12TH ST	1/4 - 1/2WSW	P71	78
PLASTIC PAINT PRODUCTION INC	1471 W 15TH ST	1/4 - 1/2WNW	87	105
Not reported	1300 PIER B ST	1/2 - 1 SW	89	109
CAL BUMPER COMPANY INC	1555 W ANAHEIM STREET	1/2 - 1 W	90	111
DION & SONS INC	1569 016TH ST W	1/2 - 1 WNW	92	114
PRATHER PRODUCTS INC, PRATHER	1638 COWLES ST	1/2 - 1 W	93	118
QUALITY ALUMINUM FORGE INCORPO	1410 COTA AVE	1/2 - 1 W	S95	129
SEASIDE INCORPORATED	1439 COTA AVE.	1/2 - 1 W	S96	130
J. H. BAXTER & CO	1710 PIER B AVE	1/2 - 1 WSW	98	137
VEHICLE PROCESSORS, INC.	785 EDISON AVE	1/2 - 1 WSW	99	137
QUALITY BUMPERS	1442 HAYES AVE	1/2 - 1 W	100	140
HANJIN TERMINAL	1521 PIER C ST	1/2 - 1 SW	102	141
NATIONAL GYPSUM COMPANY	1850 PIER B ST	1/2 - 1 W	103	141

CA SLIC: SLIC Region comes from the California Regional Water Quality Control Board.

A review of the CA SLIC list, as provided by EDR, has revealed that there are 6 CA SLIC sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
NOVA TECHNO CORP	1368 OREGON AVE	1/8 - 1/4E	H33	34
ARATEX SERVICES	702 ANAHEIM	1/8 - 1/4ESE	49	49
BULK TERMINAL	960 DE FOREST AVE	1/4 - 1/2S	Q75	82
TIDELAND OIL	1348 009TH	1/4 - 1/2SW	84	101
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
T R OIL SERVICES LOB	801 WEST 14TH STREET	0 - 1/8 ENE	C8	10

EXECUTIVE SUMMARY

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
ELLIS FAMILY TRUST	718 ANAHEIM	1/8 - 1/4ESE	F18	23

HAZNET: The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000-1,000,000 annually, representing approximately 350,000-500,000 shipments. Data from non-California manifests & continuation sheets are not included at the present time. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, & disposal method. The source is the Department of Toxic Substance Control is the agency

A review of the HAZNET list, as provided by EDR, has revealed that there are 21 HAZNET sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
SEVEN STRAND TACKLE CORP	899 W COWLES ST	0 - 1/8 NNE	E17	21
TOMMYS AUTO SVC & TOWING	740 W 14TH ST	1/8 - 1/4ENE	H22	24
METROPOLITAN CHEMICAL CO	0733 W 14TH ST	1/8 - 1/4ENE	H24	25
CONTROLS UNLIMITED INC	723 W 14TH ST	1/8 - 1/4ENE	H25	26
NOVA TECHNO CORP	1368 OREGON AVE	1/8 - 1/4E	H33	34
1X KB MANAGEMENT CO	725 12TH STREET	1/8 - 1/4SE	35	37
ELLIS PAINT CO	1200 OREGON AVE	1/8 - 1/4ESE	42	43
DOUGLAS PRODUCE	650 W COWLES	1/8 - 1/4ENE	M51	50
DOUGLAS PRODUCE	648 COWLES ST	1/8 - 1/4ENE	M52	50
MESA ENVIRONMENTAL SERVICES	721 W 15TH	1/8 - 1/4NE	N55	54
CITY LONG BEACH PUBLIC WORKS	1601 SAN FRANCISCO	1/8 - 1/4N	O59	58

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
RACK FACTORY INC	729W ANAHEIM ST	0 - 1/8 ESE	B5	9
HYDRAULIC & AUTOMATION CONTROL	806 W 14TH ST	0 - 1/8 ENE	C7	10
T R OIL SERVICES LOB	801 WEST 14TH STREET	0 - 1/8 ENE	C8	10
ANTHONY BRENT CORP	950 WEST 12TH ST	0 - 1/8 S	D10	15
AIR PRODUCTS AND CHEMICALS INC	901 WEST 12TH ST	0 - 1/8 SSE	D16	20
BECHLER CORP	725 W ANAHEIM ST	1/8 - 1/4ESE	F26	28
NATIONWIDE EQUIP SALES AND SVC	724 W ANAHEIM ST	1/8 - 1/4ESE	F29	29
FORDON INDUSTRIES INC	1333 OREGON AVENUE	1/8 - 1/4E	I30	30
ARAMARK UNIFORM SERVICES INC	702 WEST ANAHEIM STREET	1/8 - 1/4ESE	J37	38
STRIKE TECHNOLOGY INC DBA WILO	729 W ANAHEIM ST UNIT A	1/8 - 1/4ESE	J40	42

HMS: Los Angeles County Industrial Waste and Underground Storage Tank Sites.

A review of the LOS ANGELES CO. HMS list, as provided by EDR, has revealed that there is 1 LOS ANGELES CO. HMS site within approximately 0.25 miles of the target property.

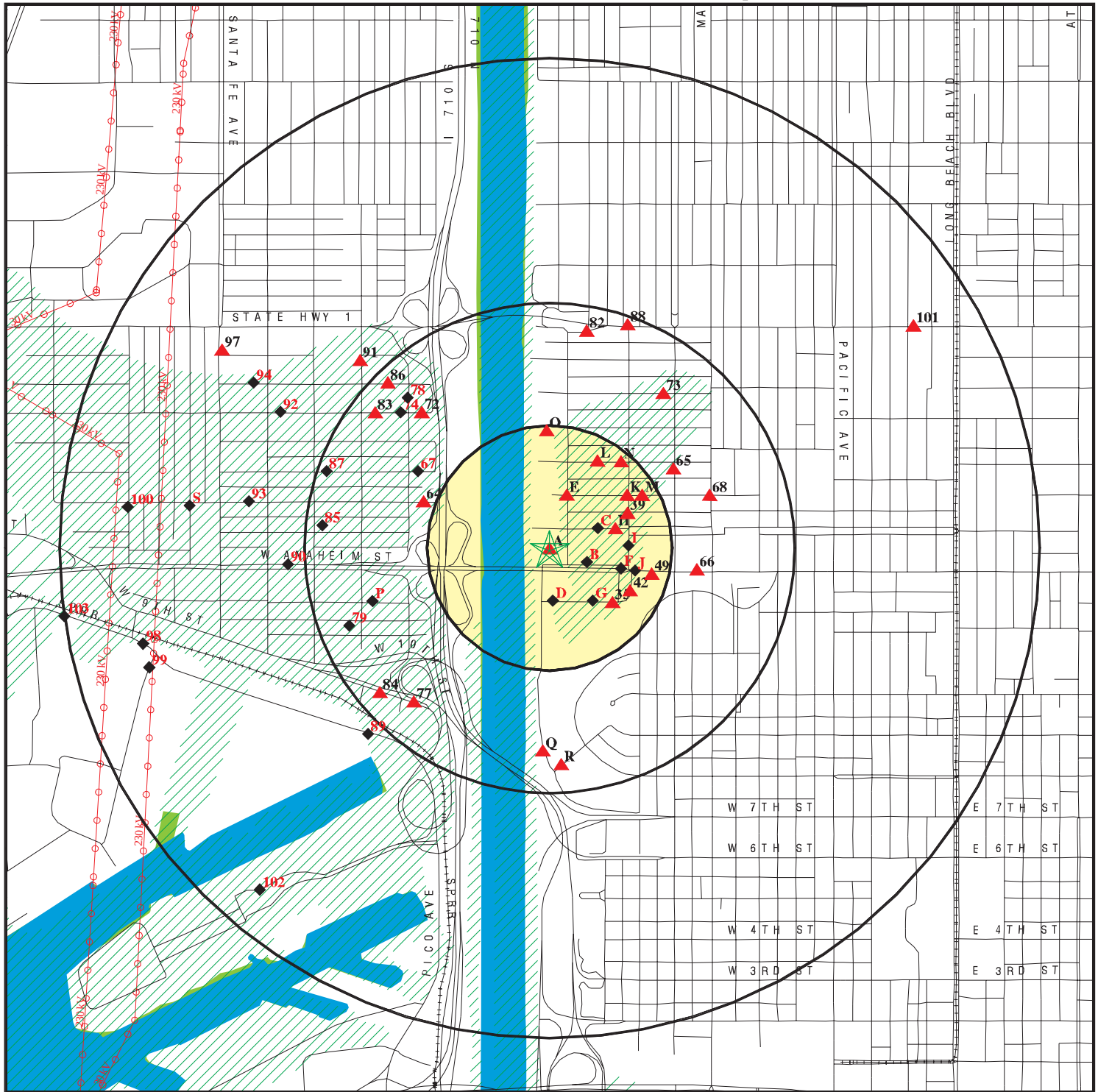
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
ARATEX SERVICES INC	1405 E 58TH PL	1/8 - 1/4ESE	J38	39

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped:

Site Name	Database(s)
USNAVY LONG BEACH NAVAL SHIPYARD	PADS, HAZNET, CHMIRS, RCRIS-LQG, RCRIS-TSD, CORRACTS, HIST UST, VCP
EDISON/LONG BEACH II MGP	Cal-Sites, Cortese
301 HANJIN RD.	HAZNET, CHMIRS
LONG BEACH HARBOR	HAZNET, CHMIRS
BERTH 70, LONG BEACH HARBOUR	HAZNET, CHMIRS
BERTH 30 LONG BEACH HARBOUR	HAZNET, CHMIRS
FLORENCE AVE / TELEGRAPH RD WH	LUST, CHMIRS
CHEROKEE TRUCKING	CERC-NFRAP
LA CITY ENERGY RECOVERY PROJECT (R	SWF/LF
SAN CARLOS DUMP	SWF/LF
SITE #4 - MOLE EXTENSION OPERATIO	SWF/LF
SITE # 5 SKEET RANGE SW FILL AREA	SWF/LF
US NAVAL BASE TERMINAL ISLAND(THE	SWF/LF
LA COUNTY FLOOD CONTROL DUMP	SWF/LF
LONG BEACH TRANSIT	LUST
APM TERMINALS	LUST
UNOCAL - TOSCO (2 D/W JOOR)	UST
RECREATION PARK G.C. (1 D/W MODERN	UST
VERIZON TERMINO C.O. (1 D/W JOOR)	UST
LOMA MOBIL (2 D/W TRUSCO)	UST
PRESTIGE SS #9503 (3 10M D/W XERXE	UST
USA GASOLINE CORP #235 (3 D/W MODE	UST
UNITED OIL #18 (3 10M D/W XERXES)	UST
LACO METRO (2 D/W ACE BUEHLER)	UST
ARCO #9505	UST
LONG BEACH MARINE BUREAU (500 D/W	UST
LA CO PUB WRKS (SEASIDE PUMP) D/W	UST
THE BOEING CO (3 D/W TANKS)	UST
VERIZON L.B. TOLL/NACC (35M D/W JO	UST
APRO, LLC (2 15M D/W XERXES)	UST
ARCO FAC. #9519-CORP LEASE (3 D/W	UST
CBHS @ LOS ALTOS - 1 S/W STEEL	UST
LONG BEACH DISPOSAL	WMUDS/SWAT
MURPHY IND COATINGS LONG BEACH	HAZNET
MURPHY INDUSTRIAL COATINGS INC	HAZNET
ALLWASTE ENVIRONMENTAL SERVICES	HAZNET
PORT OF LONG BEACH	HAZNET
MARTIN CONTAINER INC	HAZNET
STATE OF CALIFORNIA	HAZNET
PORT OF LONG BEACH	HAZNET
CALTRANS	FINDS, RCRIS-LQG
GLENN E. THOMAS AUTO (FORMER)	CA SLIC
LA CO DPW FLOOD LOS ALTOS PP	LOS ANGELES CO. HMS

OVERVIEW MAP - 01201380.1r - SCS Engineers



★ Target Property

▲ Sites at elevations higher than or equal to the target property

◆ Sites at elevations lower than the target property

▲ Coal Gasification Sites

■ National Priority List Sites

■ Landfill Sites

■ Dept. Defense Sites

■ Indian Reservations BIA

■ Power transmission lines

■ Oil & Gas pipelines

■ 100-year flood zone

■ 500-year flood zone

■ Federal Wetlands

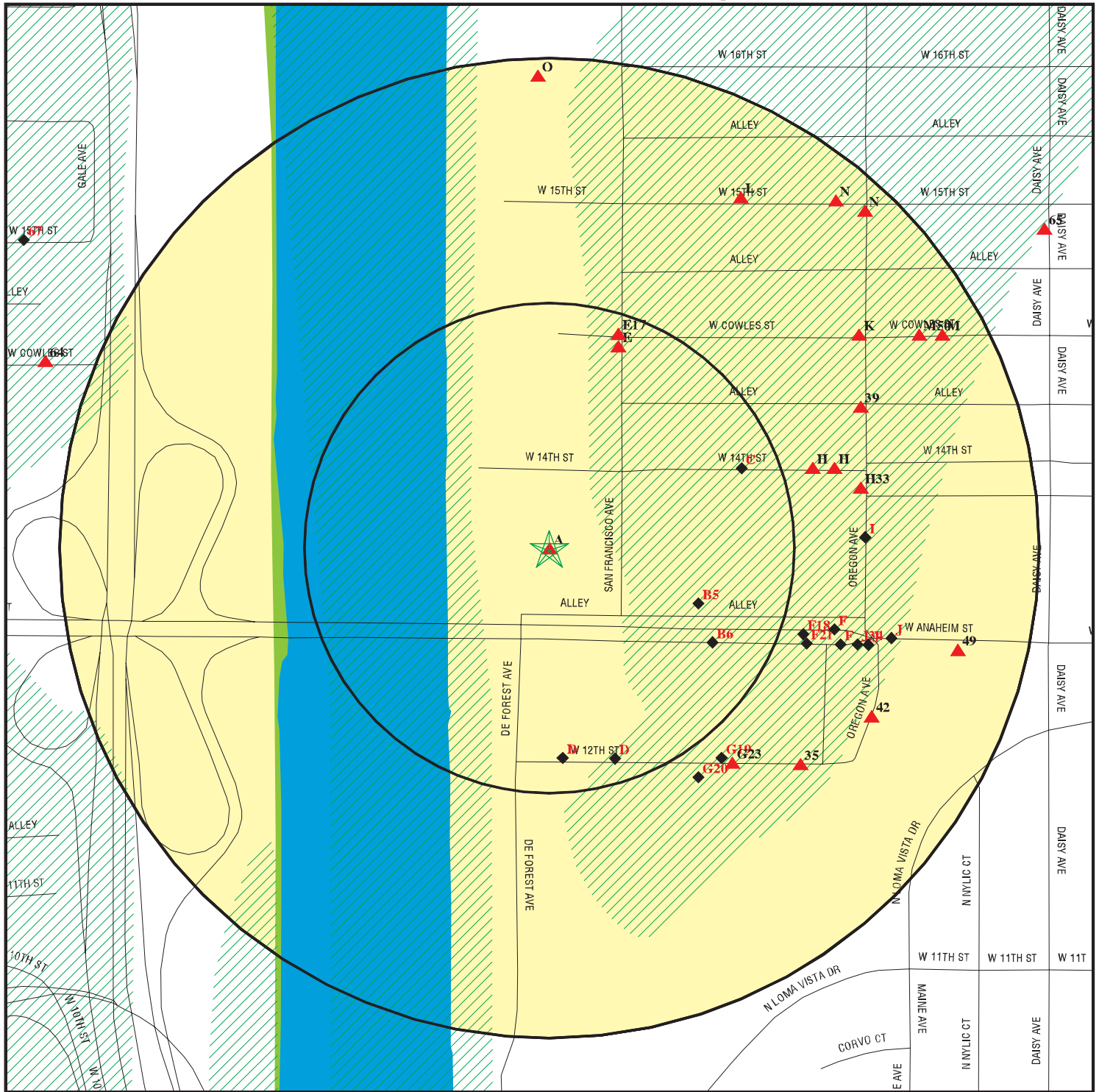
■ Areas of Concern

0 1/4 1/2 1 Miles

TARGET PROPERTY: 901 W Anaheim St
ADDRESS: 901 W Anaheim St
CITY/STATE/ZIP: Long Beach CA 90813
LAT/LONG: 33.7833 / 118.2038

CUSTOMER: SCS Engineers
CONTACT: Loran Bures
INQUIRY #: 01201380.1r
DATE: May 28, 2004 10:27 am

DETAIL MAP - 01201380.1r - SCS Engineers



MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<u>FEDERAL ASTM STANDARD</u>								
NPL		1.000	0	0	0	0	NR	0
Proposed NPL		1.000	0	0	0	0	NR	0
CERCLIS		0.500	0	0	0	NR	NR	0
CERC-NFRAP		0.250	1	0	NR	NR	NR	1
CORRACTS		1.000	0	0	0	1	NR	1
RCRIS-TSD		0.500	0	0	0	NR	NR	0
RCRIS Lg. Quan. Gen.		0.250	0	0	NR	NR	NR	0
RCRIS Sm. Quan. Gen.		0.250	3	8	NR	NR	NR	11
ERNS		0.125	0	NR	NR	NR	NR	0
<u>STATE ASTM STANDARD</u>								
AWP		1.000	0	0	0	0	NR	0
Cal-Sites		1.000	0	0	0	0	NR	0
CHMIRS		0.125	0	NR	NR	NR	NR	0
Cortese	X	0.500	2	6	16	NR	NR	24
Notify 65		1.000	0	0	0	0	NR	0
Toxic Pits		1.000	0	0	0	0	NR	0
State Landfill		0.500	0	1	0	NR	NR	1
WMUDS/SWAT		0.500	0	0	0	NR	NR	0
LUST	X	0.500	2	5	17	NR	NR	24
CA Bond Exp. Plan		1.000	0	0	0	0	NR	0
UST	X	0.250	4	16	NR	NR	NR	20
VCP		0.500	0	0	0	NR	NR	0
INDIAN UST		0.250	0	0	NR	NR	NR	0
INDIAN LUST		0.500	0	0	0	NR	NR	0
CA FID UST		0.250	2	3	NR	NR	NR	5
HIST UST		0.250	2	3	NR	NR	NR	5
<u>FEDERAL ASTM SUPPLEMENTAL</u>								
CONSENT		1.000	0	0	0	0	NR	0
ROD		1.000	0	0	0	0	NR	0
Delisted NPL		1.000	0	0	0	0	NR	0
FINDS		0.125	3	NR	NR	NR	NR	3
HMIRS		0.125	0	NR	NR	NR	NR	0
MLTS		0.125	0	NR	NR	NR	NR	0
MINES		0.250	0	0	NR	NR	NR	0
NPL Liens		0.125	0	NR	NR	NR	NR	0
PADS		0.125	0	NR	NR	NR	NR	0
FUDS		1.000	0	0	0	0	NR	0
INDIAN RESERV		1.000	0	0	0	0	NR	0
DOD		1.000	0	0	0	0	NR	0
US BROWNFIELDS		0.500	0	0	0	NR	NR	0
RAATS		0.125	0	NR	NR	NR	NR	0
TRIS		0.125	0	NR	NR	NR	NR	0
TSCA		0.125	0	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
SSTS		0.125	0	NR	NR	NR	NR	0
FTTS		0.125	0	NR	NR	NR	NR	0
<u>STATE OR LOCAL ASTM SUPPLEMENTAL</u>								
AST		0.250	0	0	NR	NR	NR	0
CLEANERS		0.250	0	1	NR	NR	NR	1
CA WDS		0.125	0	NR	NR	NR	NR	0
DEED		0.125	0	NR	NR	NR	NR	0
SCH		0.250	0	0	NR	NR	NR	0
NFA		0.250	0	0	NR	NR	NR	0
EMI		1.000	0	1	5	14	NR	20
REF		0.250	0	0	NR	NR	NR	0
NFE		0.250	0	0	NR	NR	NR	0
CA SLIC		0.500	1	3	2	NR	NR	6
HAZNET	X	0.250	6	15	NR	NR	NR	21
Los Angeles Co. HMS		0.250	0	1	NR	NR	NR	1
LA Co. Site Mitigation		0.250	0	0	NR	NR	NR	0
AOCONCERN		1.000	0	0	0	0	NR	0
<u>EDR PROPRIETARY HISTORICAL DATABASES</u>								
Coal Gas		1.000	0	0	0	0	NR	0
<u>BROWNFIELDS DATABASES</u>								
US BROWNFIELDS		0.500	0	0	0	NR	NR	0
VCP		0.500	0	0	0	NR	NR	0

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

Coal Gas Site Search: No site was found in a search of Real Property Scan's ENVIROHAZ database.

A1
Target
Property

VEHICLE TOW YARD
901 ANAHEIM
LONG BEACH, CA

Cortese **S102440864**
N/A

Actual:
12 ft.

Site 1 of 4 in cluster A

CORTESE:
Region: CORTESE
Fac Address 2: Not reported

A2
Target
Property

LONG BEACH CITY TOW YARD
901 ANAHEIM ST W
LONG BEACH, CA 90813

LUST **S104916177**
N/A

Actual:
12 ft.

Site 2 of 4 in cluster A

State LUST:
Cross Street: SAN FRANCISCO
Qty Leaked: 0
Case Number: 908130498
Reg Board: 4
Chemical: Gasoline
Lead Agency: Regional Board
Local Agency: 19060
Case Type: Soil only
Status: Preliminary site assessment workplan submitted
Abate Method: Excavate and Dispose - remove contaminated soil and dispose in approved site
Review Date: 8/30/95 0:00
Workplan: Not reported
Pollution Char: Not reported
Remed Action: Not reported
Monitoring: 8/30/95 0:00
Close Date: Not reported
Release Date: 08/30/1995
Cleanup Fund Id : Not reported
Discover Date : 08/30/1995
Enforcement Dt : Not reported
Enf Type: LET
Enter Date : 6/7/96 0:00
Funding: Not reported
Staff Initials: Not reported
How Discovered: Tank Closure
How Stopped: Not reported
Interim : Not reported
Leak Cause: Corrosion
Leak Source: Tank
MTBE Date : Not reported
Max MTBE GW : Not reported
MTBE Tested: Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.
Priority: Not reported
Local Case # : 0
Beneficial: Not reported
Staff : NC
GW Qualifier : Not reported
Max MTBE Soil : Not reported
Soil Qualifier : Not reported

Confirm Leak: 8/30/95 0:00
Prelim Assess: Not reported
Remed Plan: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

LONG BEACH CITY TOW YARD (Continued)

S104916177

Hydr Basin #: SAN FERNANDO VALLEY
Operator : CHUCK RAMSEY
Oversight Prgm: LUST
Review Date : 11/15/01 0:00
Stop Date : / /
Work Suspended :Not reported
Responsible Party:DAVID MCCARTHY
RP Address: 2600 TEMPLE AVE.
Global Id: T0603701960
Org Name: Not reported
Contact Person: Not reported
MTBE Conc: Not reported
Mtbe Fuel: Not reported
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported

LUST Region 4:

Report Date: 08/30/1995
Lead Agency: Regional Board
Local Agency: 19060
Substance: Gasoline
Case Type: Soil
Status: Preliminary site assessment workplan submitted
Region: 4
Staff: NC

Date Case Last Changed on Database: 11/15/01
Date Leak Record Entered: 6/7/96
Historical Max MTBE Date: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil : Not reported
County: Los Angeles
Organization : Not reported
Regional Board: 4

Owner Contact: Not reported
Responsible Party: DAVID MCCARTHY
RP Address: 2600 TEMPLE AVE.
Significant Interim Remedial Action Taken: Not reported
Program : LUST
Lat / Long : 34 / -118
Local Agency Staff: Not reported
Summary : CITY OF LONG BEACH PURCHASED PIECE OF LAND. TANK
WAS FOUND ABANDONED AFTER SALE. CITY REMOVED TANK
AND DISCOVERED TANKLEAK.

OLD CASE #960607-01

Hydrologic Basin # : SAN FERNANDO VALLEY
Beneficial Use : Not reported
Priority : Not reported
Cleanup Fund Id : Not reported
Suspended : Not reported
Local Case No : Not reported
Substance Quantity : 0
Abatement Method Used at the Site: Excavate and Dispose
Operator : CHUCK RAMSEY

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

LONG BEACH CITY TOW YARD (Continued)

EDR ID Number
EPA ID Number

Database(s)

S104916177

Water System :	Not reported
Well Name :	Not reported
Approx. Dist To Production Well (ft) :	16469.94434
Assigned Name :	Not reported
Source of Cleanup Funding:	Not reported
Date the Leak was Discovered:	08/30/1995
How the Leak was Discovered:	Tank Closure
How the Leak was Stopped:	Not reported
Cause of Leak:	Corrosion
Leak Source:	Tank
Date The Leak was Stopped:	Not reported
Date Confirmation Leak Began:	8/30/95
Preliminary Site Assessment Workplan Submitted:	6/22/01
Preliminary Site Assessment Began:	Not reported
Pollution Characterization Began:	Not reported
Remediation Plan Submitted:	Not reported
Remedial Action Underway:	Not reported
Post Remedial Action Monitoring Began:	8/30/95
Date the Case was Closed:	Not reported
Enforcement Action Date:	Not reported
Date Leak First Reported:	08/30/1995
Enforcement Type:	LET
Global ID :	T0603701960
Cross Street:	SAN FRANCISCO

A3
Target
Property

CITY OF LONG BEACH
0929 W ANAHEIM ST
LONG BEACH, CA

UST **U003660158**
N/A

Actual:
12 ft.

Site 3 of 4 in cluster A

UST Long Beach:			
Total Tanks:	0T	Region:	LONG BEACH
Tank Test:	Not reported	Leak Test:	Not reported

A4
Target
Property

CITY OF LONG BEACH TOWING OPERATIONS
901 W ANAHEIM
LONG BEACH, CA 90813

HAZNET **S103675659**
N/A

Actual:
12 ft.

Site 4 of 4 in cluster A

HAZNET:

Gepaid:	CAL000036475
TSD EPA ID:	CAT080022148
Gen County:	Los Angeles
Tsd County:	San Bernardino
Tons:	.5000
Waste Category:	Other organic solids
Disposal Method:	Transfer Station
Contact:	CITY OF LONG BEACH
Telephone:	(562) 570-5400
Mailing Address:	333 W OCEAN BLVD
	LONG BEACH, CA 90802
County	Los Angeles

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

CITY OF LONG BEACH TOWING OPERATIONS (Continued)

EDR ID Number
EPA ID Number

Database(s)

S103675659

Gepaid: CAL000036475
TSD EPA ID: CAT080033681
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .4500
Waste Category: Unspecified oil-containing waste
Disposal Method: Disposal, Other
Contact: CITY OF LONG BEACH
Telephone: (562) 570-5400
Mailing Address: 333 W OCEAN BLVD
LONG BEACH, CA 90802
County Los Angeles
Gepaid: CAL000080247
TSD EPA ID: CAT000613893
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .0625
Waste Category: Aqueous solution with less than 10% total organic residues
Disposal Method: Transfer Station
Contact: CITY OF LONG BEACH
Telephone: (000) 000-0000
Mailing Address: 901 W ANAHEIM ST
LONG BEACH, CA 90813
County Los Angeles
Gepaid: CAL000036475
TSD EPA ID: CAT080033681
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .9750
Waste Category: Other organic solids
Disposal Method: Disposal, Other
Contact: CITY OF LONG BEACH
Telephone: (562) 570-5400
Mailing Address: 333 W OCEAN BLVD
LONG BEACH, CA 90802
County Los Angeles

B5
ESE
< 1/8
430 ft.

RACK FACTORY INC
729W ANAHEIM ST
LONG BEACH, CA 90813

HAZNET S102812021
N/A

Site 1 of 2 in cluster B

Relative:
Lower

HAZNET:
Gepaid: CAL000037775
TSD EPA ID: CAD008252405
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .0417
Waste Category: Unspecified solvent mixture Waste
Disposal Method: Recycler
Contact: DIERKES BARRY
Telephone: (213) 343-5329
Mailing Address: 729 W ANAHEIM ST
LONG BEACH, CA 90813 - 2819
County Los Angeles

Actual:
10 ft.

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

	Site	Database(s)	EDR ID Number EPA ID Number
B6 ESE < 1/8 509 ft.	0824 W ANAHEIM ST LONG BEACH, CA Site 2 of 2 in cluster B UST Long Beach: Total Tanks: 1F Tank Test: Not reported	UST	U003919747 N/A
Relative: Lower			
Actual: 10 ft.	Region: LONG BEACH Leak Test: Not reported		
C7 ENE < 1/8 546 ft.	HYDRAULIC & AUTOMATION CONTROLS INC 806 W 14TH ST LONG BEACH, CA 90813 Site 1 of 2 in cluster C HAZNET: Gepaid: CAL000224825 TSD EPA ID: Not reported Gen County: Los Angeles Tsd County: 99 Tons: 0.10 Waste Category: Other organic solids Disposal Method: Disposal, Land Fill Contact: MELODY FRIEZE Telephone: (562) 435-2266 Mailing Address: 806 W 14TH ST LONG BEACH, CA 90813 - 1404 County: Not reported	HAZNET	S106092230 N/A
Relative: Lower			
Actual: 11 ft.			
C8 ENE < 1/8 563 ft.	T R OIL SERVICES LOB 801 WEST 14TH STREET LONG BEACH, CA 90813 Site 2 of 2 in cluster C	RCRIS-SQG FINDS HAZNET LUST Cortese UST CA SLIC CA FID UST HIST UST	1000243102 CAD981380199
Relative: Lower			
Actual: 11 ft.	RCRIS: Owner: T R OIL SERVICES INC (281) 447-7728 EPA ID: CAD981380199 Contact: DEVON BENCH (562) 436-9901 Classification: Small Quantity Generator TSDF Activities: Not reported Violation Status: No violations found FINDS: Other Pertinent Environmental Activity Identified at Site: Resource Conservation and Recovery Act Information system (RCRAINFO) State LUST: Cross Street: Not reported Qty Leaked: 0 Case Number: 908130407 Reg Board: 4		

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

T R OIL SERVICES LOB (Continued)

EDR ID Number
EPA ID Number

Database(s)

1000243102

Chemical: Gasoline
Lead Agency: Regional Board
Local Agency : 19060
Case Type: Other ground water affected
Status: Case Closed
Review Date: Not reported
Workplan: Not reported
Pollution Char: Not reported
Remed Action: Not reported
Monitoring: Not reported
Close Date: 4/4/97 0:00
Release Date: 03/04/1989
Cleanup Fund Id : Not reported
Discover Date : 02/03/1989
Enforcement Dt : Not reported
Enf Type: Not reported
Enter Date : Not reported
Funding: Not reported
Staff Initials: Not reported
How Discovered: Tank Closure
How Stopped: Not reported
Interim : Not reported
Leak Cause: Corrosion
Leak Source: Tank
MTBE Date : Not reported
Max MTBE GW : Not reported
MTBE Tested: Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.
Priority: Not reported
Local Case # : 0
Beneficial: Not reported
Staff : UNK
GW Qualifier : Not reported
Max MTBE Soil : Not reported
Soil Qualifier : Not reported
Hydr Basin #: SAN FERNANDO VALLEY
Operator : OLD CASE #040689-02
Oversight Prgm: LUST
Review Date : 3/24/97 0:00
Stop Date : 02/03/1989
Work Suspended :Not reported
Responsible Party:TECHNICAL SERVICES COMPANY
RP Address: SAME AS SITE
Global Id: T0603701954
Org Name: Not reported
Contact Person: Not reported
MTBE Conc: Not reported
Mtbe Fuel: Not reported
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported

LUST Region 4:

Report Date: 03/04/1989
Lead Agency: Regional Board
Local Agency: 19060
Substance: Gasoline

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

T R OIL SERVICES LOB (Continued)

EDR ID Number
EPA ID Number

Database(s)

1000243102

Case Type:	Groundwater
Status:	Case Closed
Region:	4
Staff:	UNK
Date Case Last Changed on Database:	3/24/97
Date Leak Record Entered:	Not reported
Historical Max MTBE Date:	Not reported
GW Qualifier:	Not reported
Soil Qualifier:	Not reported
Hist Max MTBE Conc in Groundwater:	Not reported
Hist Max MTBE Conc in Soil :	Not reported
County:	Los Angeles
Organization :	Not reported
Regional Board:	4
Owner Contact:	Not reported
Responsible Party:	TECHNICAL SERVICES COMPANY
RP Address:	SAME AS SITE
Significant Interim Remedial Action Taken:	Not reported
Program :	LUST
Lat / Long :	34 / -118
Local Agency Staff:	Not reported
Summary :	SOIL TPH (MAX)= 29 MG/KG. G/W @ 10' DEEP.
Hydrologic Basin # :	SAN FERNANDO VALLEY
Beneficial Use :	Not reported
Priority :	Not reported
Cleanup Fund Id :	Not reported
Suspended :	Not reported
Local Case No :	Not reported
Substance Quantity :	0
Abatement Method Used at the Site:	Not reported
Operator :	OLD CASE #040689-02
Water System :	Not reported
Well Name :	Not reported
Approx. Dist To Production Well (ft) :	16037.92702
Assigned Name :	Not reported
Source of Cleanup Funding:	Not reported
Date the Leak was Discovered:	02/03/1989
How the Leak was Discovered:	Tank Closure
How the Leak was Stopped:	Not reported
Cause of Leak:	Corrosion
Leak Source:	Tank
Date The Leak was Stopped:	2/3/89
Date Confirmation Leak Began:	Not reported
Preliminary Site Assessment Workplan Submitted:	Not reported
Preliminary Site Assessment Began:	Not reported
Pollution Characterization Began:	4/6/89
Remediation Plan Submitted:	Not reported
Remedial Action Underway:	Not reported
Post Remedial Action Monitoring Began:	Not reported
Date the Case was Closed:	4/4/97
Enforcement Action Date:	Not reported
Date Leak First Reported:	03/04/1989
Enforcement Type:	Not reported
Global ID :	T0603701954
Cross Street:	Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

T R OIL SERVICES LOB (Continued)

EDR ID Number
EPA ID Number

Database(s)

1000243102

HAZNET:

Gepaid: CAD981380199
TSD EPA ID: AZD049318009
Gen County: Los Angeles
Tsd County: 99
Tons: .3127
Waste Category: Unspecified solvent mixture Waste
Disposal Method: Not reported
Contact: TECHNICAL SERVICE
Telephone: (562) 436-9901
Mailing Address: 801 W 14TH ST
LONG BEACH, CA 90813
County: Los Angeles

Gepaid: CAD981380199
TSD EPA ID: AZD049318009
Gen County: Los Angeles
Tsd County: 99
Tons: .2500
Waste Category: Other organic solids
Disposal Method: Transfer Station
Contact: TECHNICAL SERVICE
Telephone: (562) 436-9901
Mailing Address: 801 W 14TH ST
LONG BEACH, CA 90813
County: Los Angeles

Gepaid: CAD981380199
TSD EPA ID: AZD049318009
Gen County: Los Angeles
Tsd County: 99
Tons: .1625
Waste Category: Other organic solids
Disposal Method: Not reported
Contact: TECHNICAL SERVICE
Telephone: (562) 436-9901
Mailing Address: 801 W 14TH ST
LONG BEACH, CA 90813
County: Los Angeles

Gepaid: CAD981380199
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 1.2
Waste Category: Other organic solids
Disposal Method: Recycler
Contact: DEVON BENCH
Telephone: (562) 436-9901
Mailing Address: 801 WEST FOURTEENTH STREET
LONG BEACH, CA 90813
County: Not reported

CORTESE:

Region: CORTESE
Fac Address 2: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

T R OIL SERVICES LOB (Continued)

EDR ID Number
EPA ID Number

Database(s)

1000243102

FID:

Facility ID:	19056600	Regulate ID:	00003103
Reg By:	Active Underground Storage Tank Location		
Cortese Code:	Not reported	SIC Code:	Not reported
Status:	Active	Facility Tel:	(213) 436-9901
Mail To:	Not reported		
	801 W 014TH ST		
	LONG BEACH, CA 90813		
Contact:	Not reported	Contact Tel:	Not reported
DUNS No:	Not reported	NPDES No:	Not reported
Creation:	10/22/93	Modified:	00/00/00
EPA ID:	Not reported		
Comments:	Not reported		

SLIC Region 4:

Facility Status:	Site Assessment
Region:	4
SLIC	0988
Staff:	RE
Substance:	TPH/VOCs

UST HIST:

Facility ID:	3103	Owner Name:	TECHNICAL SERVICE COMPANY
Total Tanks:	5	Region:	STATE
Owner Address:	801 WEST 14TH STREET		
	LONG BEACH, CA 90813		
Tank Used for:	PRODUCT		
Tank Num:	1	Container Num:	1
Tank Capacity:	00005000	Year Installed:	1968
Type of Fuel:	UNLEADED	Tank Construction:	1/4 inches
Leak Detection:	Stock Inventor		
Contact Name:	JOHN D. WOODRUFF	Telephone:	(213) 436-9901
Facility Type:	Other	Other Type:	Not reported

Facility ID:	3103	Owner Name:	TECHNICAL SERVICE COMPANY
Total Tanks:	5	Region:	STATE
Owner Address:	801 WEST 14TH STREET		
	LONG BEACH, CA 90813		
Tank Used for:	PRODUCT		
Tank Num:	2	Container Num:	2
Tank Capacity:	00001000	Year Installed:	1978
Type of Fuel:	Not reported	Tank Construction:	1/4 inches
Leak Detection:	Stock Inventor		
Contact Name:	JOHN D. WOODRUFF	Telephone:	(213) 436-9901
Facility Type:	Other	Other Type:	Not reported

Facility ID:	3103	Owner Name:	TECHNICAL SERVICE COMPANY
Total Tanks:	5	Region:	STATE
Owner Address:	801 WEST 14TH STREET		
	LONG BEACH, CA 90813		
Tank Used for:	PRODUCT		
Tank Num:	3	Container Num:	3
Tank Capacity:	00005000	Year Installed:	1978
Type of Fuel:	UNLEADED	Tank Construction:	1/4 inches
Leak Detection:	Stock Inventor		
Contact Name:	JOHN D. WOODRUFF	Telephone:	(213) 436-9901
Facility Type:	Other	Other Type:	Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

T R OIL SERVICES LOB (Continued)

1000243102

Facility ID: 3103
Total Tanks: 5
Owner Address: 801 WEST 14TH STREET
LONG BEACH, CA 90813
Tank Used for: PRODUCT
Tank Num: 4
Tank Capacity: 00010000
Type of Fuel: UNLEADED
Leak Detection: Stock Inventor
Contact Name: JOHN D. WOODRUFF
Facility Type: Other

Owner Name: TECHNICAL SERVICE COMPANY
Region: STATE

Container Num: 4
Year Installed: 1980
Tank Construction: 1/4 inches

Telephone: (213) 436-9901
Other Type: Not reported

Facility ID: 3103
Total Tanks: 5
Owner Address: 801 WEST 14TH STREET
LONG BEACH, CA 90813
Tank Used for: WASTE
Tank Num: 5
Tank Capacity: 00001500
Type of Fuel: Not reported
Leak Detection: None
Contact Name: JOHN D. WOODRUFF
Facility Type: Other

Owner Name: TECHNICAL SERVICE COMPANY
Region: STATE

Container Num: 5
Year Installed: 1965
Tank Construction: 6 inches

Telephone: (213) 436-9901
Other Type: Not reported

UST Long Beach:
Total Tanks: 0T
Tank Test: Not reported

Region: LONG BEACH
Leak Test: Not reported

D9
South
< 1/8
566 ft.

LIZETTE CREATIONS
0950 W 12TH ST
LONG BEACH, CA

UST U003659963
N/A

Site 1 of 4 in cluster D

Relative:
Lower

UST Long Beach:
Total Tanks: 0T
Tank Test: Not reported

Region: LONG BEACH
Leak Test: Not reported

Actual:
11 ft.

D10
South
< 1/8
567 ft.

ANTHONY BRENT CORP
950 WEST 12TH ST
LONG BEACH, CA 90813

HAZNET S103950328
N/A

Site 2 of 4 in cluster D

Relative:
Lower

HAZNET:
Gepaid: CAC001406040
TSD EPA ID: CAD028409019
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .0500
Waste Category: Unspecified oil-containing waste
Disposal Method: Treatment, Tank
Contact: ANTHONY BRENT CORP
Telephone: (000) 000-0000
Mailing Address: 9665 WILSHIRE BLVD #220
BEVERLY HILLS, CA 90212
County: Los Angeles

Actual:
11 ft.

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

ANTHONY BRENT CORP (Continued)

EDR ID Number
EPA ID Number

Database(s)

S103950328

Gepaid: CAC001406040
TSD EPA ID: CAD028409019
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .3700
Waste Category: Unspecified oil-containing waste
Disposal Method: Transfer Station
Contact: ANTHONY BRENT CORP
Telephone: (000) 000-0000
Mailing Address: 9665 WILSHIRE BLVD #220
BEVERLY HILLS, CA 90212
County: Los Angeles

**E11
NNE
< 1/8
575 ft.**

**LONG BEACH FOOD BANK
1444 SAN FRANCISCO
LONG BEACH, CA 90813**

**CA FID UST S101618209
N/A**

Site 1 of 5 in cluster E

**Relative:
Equal**

FID:

**Actual:
12 ft.**

Facility ID:	19003077	Regulate ID:	00050642
Reg By:	Active Underground Storage Tank Location		
Cortese Code:	Not reported	SIC Code:	Not reported
Status:	Active	Facility Tel:	(213) 435-3577
Mail To:	Not reported		
	1444 SAN FRANCISCO LONG BEACH, CA 90813		
Contact:	Not reported	Contact Tel:	Not reported
DUNS No:	Not reported	NPDES No:	Not reported
Creation:	10/22/93	Modified:	00/00/00
EPA ID:	Not reported		
Comments:	Not reported		

**E12
NNE
< 1/8
575 ft.**

**LONG BEACH FOOD BANK
1444 SAN FRANCISCO AVE
LONG BEACH, CA 90813**

**HIST UST U001566307
N/A**

Site 2 of 5 in cluster E

**Relative:
Equal**

UST HIST:

**Actual:
12 ft.**

Facility ID:	50642	Owner Name:	LONG BEACH FOOD BANK
Total Tanks:	4	Region:	STATE
Owner Address:	1444 SAN FRANCISCO LONG BEACH, CA 90813		
Tank Used for:	Not Reported		
Tank Num:	1	Container Num:	1
Tank Capacity:	00001000	Year Installed:	Not reported
Type of Fuel:	Not reported	Tank Construction:	Not Reported
Leak Detection:	Visual		
Contact Name:	Not reported	Telephone:	(213) 435-3577
Facility Type:	Other	Other Type:	NON-PROFIT FOOD DIST
Facility ID:	50642	Owner Name:	LONG BEACH FOOD BANK
Total Tanks:	4	Region:	STATE
Owner Address:	1444 SAN FRANCISCO LONG BEACH, CA 90813		
Tank Used for:	Not Reported		
Tank Num:	2	Container Num:	2

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

LONG BEACH FOOD BANK (Continued)

U001566307

Tank Capacity:	00004000	Year Installed:	Not reported
Type of Fuel:	06	Tank Construction:	Not Reported
Leak Detection:	None		
Contact Name:	Not reported	Telephone:	(213) 435-3577
Facility Type:	Other	Other Type:	NON-PROFIT FOOD DIST
Facility ID:	50642	Owner Name:	LONG BEACH FOOD BANK
Total Tanks:	4	Region:	STATE
Owner Address:	1444 SAN FRANCISCO LONG BEACH, CA 90813		
Tank Used for:	WASTE		
Tank Num:	3	Container Num:	3
Tank Capacity:	00000000	Year Installed:	Not reported
Type of Fuel:	WASTE OIL	Tank Construction:	Not Reported
Leak Detection:	None		
Contact Name:	Not reported	Telephone:	(213) 435-3577
Facility Type:	Other	Other Type:	NON-PROFIT FOOD DIST
Facility ID:	50642	Owner Name:	LONG BEACH FOOD BANK
Total Tanks:	4	Region:	STATE
Owner Address:	1444 SAN FRANCISCO LONG BEACH, CA 90813		
Tank Used for:	Not Reported		
Tank Num:	4	Container Num:	4
Tank Capacity:	00005000	Year Installed:	Not reported
Type of Fuel:	Not reported	Tank Construction:	Not Reported
Leak Detection:	None		
Contact Name:	Not reported	Telephone:	(213) 435-3577
Facility Type:	Other	Other Type:	NON-PROFIT FOOD DIST

E13
NNE
< 1/8
575 ft.

THE FOOD BANK OF SOUTHERN
1444 SAN FRANCISCO
LONG BEACH, CA 90813

LUST S101296789
Cortese N/A

Site 3 of 5 in cluster E

Relative:
Equal

State LUST:

Actual:
12 ft.

Cross Street: Not reported
Qty Leaked: 0
Case Number 908130216
Reg Board: 4
Chemical: Benzene
Lead Agency: Regional Board
Local Agency : 19060
Case Type: Other ground water affected
Status: Case Closed
Review Date: 10/8/90 0:00
Workplan: Not reported
Pollution Char: Not reported
Remed Action: Not reported
Monitoring: Not reported
Close Date: 7/22/96 0:00
Release Date: 10/08/1990
Cleanup Fund Id : Not reported
Discover Date : / /
Enforcement Dt : Not reported
Enf Type: Not reported
Enter Date : 4/22/91 0:00
Funding: Not reported

Confirm Leak: 10/8/90 0:00
Prelim Assess: Not reported
Remed Plan: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

THE FOOD BANK OF SOUTHERN (Continued)

S101296789

Staff Initials: Not reported
How Discovered: Not reported
How Stopped: Not reported
Interim : Not reported
Leak Cause: UNK
Leak Source: UNK
MTBE Date : Not reported
Max MTBE GW : Not reported
MTBE Tested: Not Required to be Tested.
Priority: Not reported
Local Case # : 0
Beneficial: Not reported
Staff : UNK
GW Qualifier : Not reported
Max MTBE Soil : Not reported
Soil Qualifier : Not reported
Hydr Basin #: SAN FERNANDO VALLEY
Operator : Not reported
Oversight Prgm: LUST
Review Date : 8/22/96 0:00
Stop Date : / /
Work Suspended :Not reported
Responsible Party:BLANK RP
RP Address: 1031 TAHACHEPE DR, LONG BEACH CA 90807 D
Global Id: T0603701935
Org Name: Not reported
Contact Person: Not reported
MTBE Conc: Not reported
Mtbe Fuel: Not reported
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported

LUST Region 4:

Report Date: 10/08/1990
Lead Agency: Regional Board
Local Agency: 19060
Substance: Benzene
Case Type: Groundwater
Status: Case Closed
Region: 4
Staff: UNK
Date Case Last Changed on Database: 8/22/96
Date Leak Record Entered: 4/22/91
Historical Max MTBE Date: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil : Not reported
County: Los Angeles
Organization : Not reported
Regional Board: 4
Owner Contact: Not reported
Responsible Party: BLANK RP
RP Address: 1031 TAHACHEPE DR, LONG BEACH CA 90807 D
Significant Interim Remedial Action Taken: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

THE FOOD BANK OF SOUTHERN (Continued)

S101296789

Program : LUST
Lat / Long : 34 / -118
Local Agency Staff: Not reported
Summary : 8/20/91-LETTER FROM LAWYER
Hydrologic Basin # : SAN FERNANDO VALLEY
Beneficial Use : Not reported
Priority : Not reported
Cleanup Fund Id : Not reported
Suspended : Not reported
Local Case No : Not reported
Substance Quantity : 0
Abatement Method Used at the Site: Not reported
Operator : Not reported
Water System : Not reported
Well Name : Not reported
Approx. Dist To Production Well (ft) : 16019.14756
Assigned Name : Not reported
Source of Cleanup Funding: Not reported
Date the Leak was Discovered: / /
How the Leak was Discovered: Not reported
How the Leak was Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Date The Leak was Stopped: Not reported
Date Confirmation Leak Began: 10/8/90
Preliminary Site Assessment Workplan Submitted: 4/30/93
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: Not reported
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Date the Case was Closed: 7/22/96
Enforcement Action Date: Not reported
Date Leak First Reported: 10/08/1990
Enforcement Type: Not reported
Global ID : T0603701935
Cross Street: Not reported

CORTESE:

Region: CORTESE
Fac Address 2: Not reported

E14 THE FOODBANK OF SOUTHERN CALIFORNIA
NNE 1444 SAN FRANCISCO AVE
< 1/8 LONG BEACH, CA
575 ft.

UST U003661404
N/A

Site 4 of 5 in cluster E

**Relative:
Equal**

UST Long Beach:
Total Tanks: 0T
Tank Test: Not reported

Region: LONG BEACH
Leak Test: Not reported

**Actual:
12 ft.**

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

D15
SSE
< 1/8
594 ft.

AIR PROD AND CHEM INC
901 W 12TH ST
LONG BEACH, CA 90813

RCRIS-SQG
FINDS
CERC-NFRAP

1000985044
CAR000001537

Site 3 of 4 in cluster D

Relative:
Lower

CERCLIS-NFRAP Classification Data:

Site Incident Category: Not reported

Federal Facility: Not a Federal Facility

Actual:
10 ft.

Non NPL Code: NFRAP

Ownership Status: Unknown

NPL Status: Not on the NPL

CERCLIS-NFRAP Assessment History:

Assessment: DISCOVERY

Completed: 04/01/1986

Assessment: ARCHIVE SITE

Completed: 02/01/1987

Assessment: PRELIMINARY ASSESSMENT

Completed: 02/01/1987

CERCLIS-NFRAP Alias Name(s):

AIR PRODUCTS & CHEMICALS INC

RCRIS:

Owner: AIR PROD AND CHEM INC
(610) 481-4911

EPA ID: CAR000001537

Contact: SHELLEY STUART
(310) 437-0462

Classification: Small Quantity Generator

TSDF Activities: Not reported

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:

Resource Conservation and Recovery Act Information system (RCRAINFO)

D16
SSE
< 1/8
594 ft.

AIR PRODUCTS AND CHEMICALS INCORPORATED
901 WEST 12TH ST
LONG BEACH, CA 90813

HAZNET
S103948998
N/A

Site 4 of 4 in cluster D

Relative:
Lower

HAZNET:

Gepaid: CAR000001537

TSD EPA ID: CAT000613976

Gen County: Los Angeles

Tsd County: Orange

Tons: 1.2426

Waste Category: Unspecified organic liquid mixture

Disposal Method: Transfer Station

Contact: AIR PRODUCTS AND CHEMICALS INC

Telephone: (610) 481-8867

Mailing Address: 901 W 12TH ST
LONG BEACH, CA 90813 - 2813

County: Los Angeles

Actual:
10 ft.

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

AIR PRODUCTS AND CHEMICALS INCORPORATED (Continued)

EDR ID Number
EPA ID Number

Database(s)

S103948998

Gepaid: CAR000001537
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 0.38
Waste Category:
Disposal Method: Transfer Station
Contact: GEO AGRAMONTE/SITE SUPERVISOR
Telephone: (562) 437-0462
Mailing Address: 901 W 12TH ST
LONG BEACH, CA 90813 - 2813
County: Not reported
Gepaid: CAR000001537
TSD EPA ID: CAT000613976
Gen County: Los Angeles
Tsd County: Orange
Tons: .2980
Waste Category: Unspecified organic liquid mixture
Disposal Method: Transfer Station
Contact: AIR PRODUCTS AND CHEMICALS INC
Telephone: (610) 481-8867
Mailing Address: 901 W 12TH ST
LONG BEACH, CA 90813 - 2813
County: Los Angeles
Gepaid: CAR000001537
TSD EPA ID: CAD050806850
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .4080
Waste Category:
Disposal Method: Transfer Station
Contact: AIR PRODUCTS AND CHEMICALS INC
Telephone: (610) 481-8867
Mailing Address: 901 W 12TH ST
LONG BEACH, CA 90813 - 2813
County: Los Angeles

**E17
NNE
< 1/8
607 ft.**

**SEVEN STRAND TACKLE CORP
899 W COWLES ST
LONG BEACH, CA 90813**

**RCRIS-SQG
FINDS
HAZNET**

**1000593513
CAD982446585**

Site 5 of 5 in cluster E

**Relative:
Equal**

RCRIS:
Owner: BILL BUCHANAN
(415) 555-1212
EPA ID: CAD982446585
Contact: Not reported
Classification: Small Quantity Generator
TSDF Activities: Not reported

**Actual:
12 ft.**

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

SEVEN STRAND TACKLE CORP (Continued)

EDR ID Number
EPA ID Number

Database(s)

1000593513

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system (RCRAINFO)

HAZNET:

Gepaid: CAD982446585
TSD EPA ID: CAD008302903
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .9174
Waste Category: Unspecified solvent mixture Waste
Disposal Method: Recycler
Contact: BILL BUCHANAN
Telephone: (000) 000-0000
Mailing Address: 899 W COWLES ST
LONG BEACH, CA 90813
County: Los Angeles

Gepaid: CAD982446585
TSD EPA ID: CAD008302903
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .4170
Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method: Recycler
Contact: BILL BUCHANAN
Telephone: (000) 000-0000
Mailing Address: 899 W COWLES ST
LONG BEACH, CA 90813
County: Los Angeles

Gepaid: CAD982446585
TSD EPA ID: CAD008302903
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .4795
Waste Category: Alkaline solution without metals (pH > 12.5)
Disposal Method: Transfer Station
Contact: BILL BUCHANAN
Telephone: (000) 000-0000
Mailing Address: 899 W COWLES ST
LONG BEACH, CA 90813
County: Los Angeles

Gepaid: CAD982446585
TSD EPA ID: CAD008302903
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .2919
Waste Category: Liquids with pH <UN-> 2
Disposal Method: Transfer Station
Contact: BILL BUCHANAN
Telephone: (000) 000-0000
Mailing Address: 899 W COWLES ST
LONG BEACH, CA 90813
County: Los Angeles

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

SEVEN STRAND TACKLE CORP (Continued)

EDR ID Number
EPA ID Number

Database(s)

1000593513

Gepaid: CAD982446585
TSD EPA ID: CAD008302903
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .1668
Waste Category: Off-specification, aged, or surplus organics
Disposal Method: Recycler
Contact: BILL BUCHANAN
Telephone: (000) 000-0000
Mailing Address: 899 W COWLES ST
LONG BEACH, CA 90813
County: Los Angeles

The CA HAZNET database contains 5 additional records for this site.
For more information, please click [here](#) while viewing on your computer,
or contact your EDR Account Executive.

F18 ELLIS FAMILY TRUST
ESE 718 ANAHEIM
1/8-1/4 LONG BEACH, CA 90813
725 ft.

CA SLIC S103546800
N/A

Relative:
Lower

Site 1 of 6 in cluster F

SLIC Region 4:
Facility Status: Unassigned
Region: 4
SLIC: 0551
Staff: ACJ
Substance: VOCs

Actual:
10 ft.

G19 FILE ONLY - CAL PACIFIC
SE 0790 W 12TH ST
1/8-1/4 LONG BEACH, CA
732 ft.

UST U003659962
N/A

Relative:
Lower

Site 1 of 3 in cluster G

UST Long Beach:
Total Tanks: 0T Region: LONG BEACH
Tank Test: Not reported Leak Test: Not reported

Actual:
11 ft.

G20 CALIF. GLASS DIST.
SSE 790 W 012TH ST LONG BEACH
1/8-1/4 LONG BEACH, CA 90813
737 ft.

CA FID UST S101618198
N/A

Relative:
Lower

Site 2 of 3 in cluster G

Actual:
11 ft.

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

CALIF. GLASS DIST. (Continued)

EDR ID Number
EPA ID Number

Database(s)

S101618198

FID:

Facility ID:	19056689	Regulate ID:	00046937
Reg By:	Active Underground Storage Tank Location		
Cortese Code:	Not reported	SIC Code:	Not reported
Status:	Active	Facility Tel:	(213) 437-0531
Mail To:	Not reported		
	790 W 012TH ST LONG BEACH		
	LONG BEACH, CA 90813		
Contact:	Not reported	Contact Tel:	Not reported
DUNS No:	Not reported	NPDES No:	Not reported
Creation:	10/22/93	Modified:	00/00/00
EPA ID:	Not reported		
Comments:	Not reported		

F21
ESE
1/8-1/4
741 ft.

0750 W ANAHEIM ST
LONG BEACH, CA

UST U003919745
N/A

Site 2 of 6 in cluster F

Relative:
Lower

UST Long Beach:			
Total Tanks:	2F	Region:	LONG BEACH
Tank Test:	Not reported	Leak Test:	Not reported

Actual:
11 ft.

H22
ENE
1/8-1/4
744 ft.

TOMMYS AUTO SVC & TOWING
740 W 14TH ST
LONG BEACH, CA 90813

HAZNET S103670984
N/A

Site 1 of 5 in cluster H

Relative:
Equal

HAZNET:

Gepaid:	CAL000012675
TSD EPA ID:	CAT000613893
Gen County:	Los Angeles
Tsd County:	Los Angeles
Tons:	.0625
Waste Category:	Aqueous solution with less than 10% total organic residues
Disposal Method:	Transfer Station
Contact:	TOMMY OLDHAM
Telephone:	(562) 426-7800
Mailing Address:	740 W 14TH ST LONG BEACH, CA 90813 - 1402
County	Los Angeles
Gepaid:	CAL000012675
TSD EPA ID:	CAD093459485
Gen County:	Los Angeles
Tsd County:	Fresno
Tons:	.0417
Waste Category:	Aqueous solution with less than 10% total organic residues
Disposal Method:	Treatment, Tank
Contact:	TOMMY OLDHAM
Telephone:	(562) 426-7800
Mailing Address:	740 W 14TH ST LONG BEACH, CA 90813 - 1402
County	Los Angeles

Actual:
12 ft.

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

TOMMYS AUTO SVC & TOWING (Continued)

EDR ID Number
EPA ID Number

Database(s)

S103670984

Gepaid: CAL000229870
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 0.20
Waste Category: Unspecified aqueous solution
Disposal Method: Recycler
Contact: TONY BARNES/OWNER
Telephone: (562) 426-7800
Mailing Address: 740 W 14TH ST
LONG BEACH, CA 90813 - 1402
County: Not reported

Gepaid: CAL000012675
TSD EPA ID: CAD009452657
Gen County: Los Angeles
Tsd County: San Mateo
Tons: .7089
Waste Category: Unspecified organic liquid mixture
Disposal Method: Not reported
Contact: TOMMY OLDHAM
Telephone: (562) 426-7800
Mailing Address: 740 W 14TH ST
LONG BEACH, CA 90813 - 1402
County: Los Angeles

**G23
SE
1/8-1/4
761 ft.**

**CALIF. GLASS DIST.
790 W. 12TH ST. LONG BEACH
LONG BEACH, CA 90813**

**HIST UST U001566293
N/A**

Site 3 of 3 in cluster G

**Relative:
Equal**

UST HIST:

**Actual:
12 ft.**

Facility ID: 46937
Total Tanks: 1
Owner Address: 790 W. 12TH ST. LONG BEACH
LONG BEACH, CA 90813
Tank Used for: PRODUCT
Tank Num: 1
Tank Capacity: 00009940
Type of Fuel: PREMIUM
Leak Detection: Visual, Stock Inventor
Contact Name: J. STEIN
Facility Type: Other

Owner Name: CAL-PACIFIC WINDSHIELD DBA CAL
Region: STATE

Container Num: 1
Year Installed: Not reported
Tank Construction: Not Reported

Telephone: (213) 437-0531
Other Type: GLASS DISTRIBUTOR

**H24
ENE
1/8-1/4
768 ft.**

**METROPOLITAN CHEMICAL CO
0733 W 14TH ST
LONG BEACH, CA 90813**

**HAZNET U003854649
UST N/A**

Site 2 of 5 in cluster H

**Relative:
Equal**

**Actual:
12 ft.**

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

METROPOLITAN CHEMICAL CO (Continued)

EDR ID Number
EPA ID Number

Database(s)

U003854649

HAZNET:

Gepaid: CAC002551611
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: 99
Tons: 0.20
Waste Category:
Disposal Method: Not reported
Contact: Paul Parsons
Telephone: (562) 433-3667
Mailing Address: 733 W 14th St
LONG BEACH, CA 90813
County: Not reported

Gepaid: CAC002551611
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: 99
Tons: 0.22
Waste Category: Unspecified oil-containing waste
Disposal Method: Recycler
Contact: Paul Parsons
Telephone: (562) 433-3667
Mailing Address: 733 W 14th St
LONG BEACH, CA 90813
County: Not reported

UST Long Beach:

Total Tanks: 1F
Tank Test: Not reported

Region: LONG BEACH
Leak Test: Not reported

**H25
ENE
1/8-1/4
800 ft.**

**CONTROLS UNLIMITED INC
723 W 14TH ST
LONG BEACH, CA 90813**

**HAZNET S100859383
N/A**

Site 3 of 5 in cluster H

**Relative:
Higher**

HAZNET:

Gepaid: CAL000060961
TSD EPA ID: CAD000088252
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .2000
Waste Category: Unspecified oil-containing waste
Disposal Method: Transfer Station
Contact: KENNETH PFEIFFER
Telephone: (000) 000-0000
Mailing Address: 723 W 14TH ST
LONG BEACH, CA 90813
County: Los Angeles

**Actual:
13 ft.**

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

CONTROLS UNLIMITED INC (Continued)

EDR ID Number
EPA ID Number

Database(s)

S100859383

Gepaid: CAL000060961
TSD EPA ID: CAT080022148
Gen County: Los Angeles
Tsd County: San Bernardino
Tons: .1500
Waste Category: Unspecified oil-containing waste
Disposal Method: Transfer Station
Contact: KENNETH PFEIFFER
Telephone: (000) 000-0000
Mailing Address: 723 W 14TH ST
LONG BEACH, CA 90813
County Los Angeles

Gepaid: CAL000060961
TSD EPA ID: CAD000088252
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 0.2
Waste Category: Unspecified oil-containing waste
Disposal Method: Transfer Station
Contact: KENNETH PFEIFFER
Telephone: (000) 000-0000
Mailing Address: 723 W 14TH ST
LONG BEACH, CA 90813
County Los Angeles

Gepaid: CAL000060961
TSD EPA ID: CAD097030993
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 0.175
Waste Category: Other organic solids
Disposal Method: Disposal, Other
Contact: KENNETH PFEIFFER
Telephone: (000) 000-0000
Mailing Address: 723 W 14TH ST
LONG BEACH, CA 90813
County Los Angeles

Gepaid: CAL000060961
TSD EPA ID: CAT080033681
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .2250
Waste Category: Other organic solids
Disposal Method: Recycler
Contact: KENNETH PFEIFFER
Telephone: (000) 000-0000
Mailing Address: 723 W 14TH ST
LONG BEACH, CA 90813
County Los Angeles

The CA HAZNET database contains 2 additional records for this site.
For more information, please [click here](#) while viewing on your computer,
or contact your EDR Account Executive.

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

	Site	Database(s)	EDR ID Number EPA ID Number
F26 ESE 1/8-1/4 800 ft.	BECHLER CORP 725 W ANAHEIM ST LONG BEACH, CA 90813 Site 3 of 6 in cluster F Relative: Lower Actual: 10 ft.	HAZNET	U003660152 N/A
	HAZNET: Gepaid: CAC001364776 TSD EPA ID: CAT080013352 Gen County: Los Angeles Tsd County: Los Angeles Tons: 2.2935 Waste Category: Tank bottom waste Disposal Method: Recycler Contact: BECHLER CORP Telephone: (562) 436-8237 Mailing Address: 725 W ANAHEIM ST LONG BEACH, CA 90813 County Los Angeles Gepaid: CAC001364776 TSD EPA ID: CAT080013352 Gen County: Los Angeles Tsd County: Los Angeles Tons: .6255 Waste Category: Tank bottom waste Disposal Method: Recycler Contact: BECHLER CORP Telephone: (562) 436-8237 Mailing Address: 725 W ANAHEIM ST LONG BEACH, CA 90813 County Los Angeles		
F27 ESE 1/8-1/4 804 ft.	CHEVRON #209725 (2 D/W XERXES 15 & 20M) 0725 W ANAHEIM ST LONG BEACH, CA Site 4 of 6 in cluster F Relative: Lower Actual: 10 ft.	UST	U003854693 N/A
	UST Long Beach: Total Tanks: 2T Tank Test: Dual Walled Region: LONG BEACH Leak Test: Not reported		
H28 ENE 1/8-1/4 820 ft.	ENVIRONMENTAL SERVS DIV 716 W 14TH ST LONG BEACH, CA 90813 Site 4 of 5 in cluster H Relative: Higher Actual: 13 ft.	RCRIS-SQG FINDS	1000261664 CAD069926251

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

ENVIRONMENTAL SERVS DIV (Continued)

EDR ID Number
EPA ID Number

1000261664

RCRIS:

Owner: NOT REQUIRED
(415) 555-1212
EPA ID: CAD069926251
Contact: ENVIRONMENTAL MANAGER
(213) 435-4868

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: Violations exist

Regulation Violated: 262.10-12.A
Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 03/15/1985
Actual Date Achieved Compliance: 06/18/1985

There are 1 violation record(s) reported at this site:

Evaluation Area of Violation

Date of
Compliance

FINDS:

Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system (RCRAINFO)

F29 **NATIONWIDE EQUIP SALES AND SVC**
ESE **724 W ANAHEIM ST**
1/8-1/4 **LONG BEACH, CA 90813**
828 ft.

HAZNET **S103670472**
N/A

Site 5 of 6 in cluster F

Relative:
Lower

HAZNET:

Actual:
10 ft.

Gepaid: CAC002193049
TSD EPA ID: CAD028409019
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .1209
Waste Category: Laboratory waste chemicals
Disposal Method: Transfer Station
Contact: MAGIC RACING CORP
Telephone: (310) 247-7171
Mailing Address: PO BOX 10235
BEVERLY HILLS, CA 90213
County: Los Angeles
Gepaid: CAC002193049
TSD EPA ID: CAD028409019
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .2293
Waste Category: Aqueous solution with 10% or more total organic residues
Disposal Method: Transfer Station
Contact: MAGIC RACING CORP
Telephone: (310) 247-7171
Mailing Address: PO BOX 10235
BEVERLY HILLS, CA 90213
County: Los Angeles

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

NATIONWIDE EQUIP SALES AND SVC (Continued)

EDR ID Number
EPA ID Number

Database(s)

S103670472

Gepaid: CAC002193049
TSD EPA ID: CAD981696420
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 1.3761
Waste Category: Waste oil and mixed oil
Disposal Method: Transfer Station
Contact: MAGIC RACING CORP
Telephone: (310) 247-7171
Mailing Address: PO BOX 10235
BEVERLY HILLS, CA 90213
County: Los Angeles
Gepaid: CAC001060608
TSD EPA ID: CAD097030993
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .1800
Waste Category: Other inorganic solid waste
Disposal Method: Disposal, Other
Contact: NATIONWIDE EQUIP SALES AND SVC
Telephone: (000) 000-0000
Mailing Address: 724 W ANAHEIM ST
LONG BEACH, CA 90813
County: Los Angeles

I30
East
1/8-1/4
841 ft.

FORDON INDUSTRIES INC
1333 OREGON AVENUE
LONG BEACH, CA 90813

HAZNET S102810304
N/A

Site 1 of 2 in cluster I

Relative:
Lower

HAZNET:

Actual:
11 ft.

Gepaid: CAL000019068
TSD EPA ID: CAT000646117
Gen County: Los Angeles
Tsd County: Kings
Tons: .4000
Waste Category: Metal sludge - Alkaline solution (pH <UN-> 12.5) with metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc)
Disposal Method: Disposal, Land Fill
Contact: ERNEST L FORD PRESIDENT/OWNER
Telephone: (000) 000-0000
Mailing Address: 1333 OREGON AVE
LONG BEACH, CA 90813
County: Los Angeles
Gepaid: CAL000019068
TSD EPA ID: CAD008302903
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .3500
Waste Category: Metal sludge - Alkaline solution (pH <UN-> 12.5) with metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc)
Disposal Method: Transfer Station

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

FORDON INDUSTRIES INC (Continued)

EDR ID Number
EPA ID Number

Database(s)

S102810304

Contact: ERNEST L FORD PRESIDENT/OWNER
Telephone: (000) 000-0000
Mailing Address: 1333 OREGON AVE
LONG BEACH, CA 90813
County: Los Angeles
Gepaid: CAL000019068
TSD EPA ID: CAT000646117
Gen County: Los Angeles
Tsd County: Kings
Tons: .7000
Waste Category: Metal sludge - Alkaline solution (pH <UN-> 12.5) with metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc)
Disposal Method: Disposal, Land Fill
Contact: ERNEST L FORD PRESIDENT/OWNER
Telephone: (000) 000-0000
Mailing Address: 1333 OREGON AVE
LONG BEACH, CA 90813
County: Los Angeles
Gepaid: CAL000019068
TSD EPA ID: CAT000646117
Gen County: Los Angeles
Tsd County: Kings
Tons: .4000
Waste Category: Metal dust - machining waste and Alkaline solution (pH <UN-> 12.5) with metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc)
Disposal Method: Disposal, Land Fill
Contact: ERNEST L FORD PRESIDENT/OWNER
Telephone: (000) 000-0000
Mailing Address: 1333 OREGON AVE
LONG BEACH, CA 90813
County: Los Angeles
Gepaid: CAL000019068
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: Kings
Tons: 0.35
Waste Category: Metal sludge - Alkaline solution (pH <UN-> 12.5) with metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc)
Disposal Method: Disposal, Land Fill
Contact: ERNEST FORD/PRES & OWNER
Telephone: --
Mailing Address: 1333 OREGON AVE
LONG BEACH, CA 90813
County: Not reported

The CA HAZNET database contains 4 additional records for this site.
For more information, please click [here](#) while viewing on your computer,
or contact your EDR Account Executive.

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

F31
ESE
1/8-1/4
844 ft.

WEST COAST CHOPPERS
718 ANAHEIM ST W
LONG BEACH, CA 90813

LUST **S104891049**
N/A

Site 6 of 6 in cluster F

Relative:
Lower

State LUST:

Actual:
11 ft.

Cross Street: OREGON
Qty Leaked: 0
Case Number 908130252
Reg Board: 4
Chemical: Naphtha Distillate
Lead Agency: Regional Board
Local Agency : 19060
Case Type: Other ground water affected
Status: Preliminary site assessment workplan submitted
Review Date: Not reported Confirm Leak: Not reported
Workplan: Not reported Prelim Assess: Not reported
Pollution Char: Not reported Remed Plan: Not reported
Remed Action: Not reported
Monitoring: Not reported
Close Date: Not reported
Release Date: 05/15/1995
Cleanup Fund Id : Not reported
Discover Date : 03/28/1995
Enforcement Dt : 2/2/01 0:00
Enf Type: LET
Enter Date : 8/28/95 0:00
Funding: Not reported
Staff Initials: Not reported
How Discovered: Subsurface Monitoring
How Stopped: Not reported
Interim : Not reported
Leak Cause: UNK
Leak Source: UNK
MTBE Date : Not reported
Max MTBE GW : Not reported
MTBE Tested: Not Required to be Tested.
Priority: Not reported
Local Case # : 0
Beneficial: Not reported
Staff : HDN
GW Qualifier : Not reported
Max MTBE Soil : Not reported
Soil Qualifier : Not reported
Hydr Basin #: SAN FERNANDO VALLEY
Operator : FORMER ELLIS PAINT CO
Oversight Prgm: LUST
Review Date : 5/15/95 0:00
Stop Date : / /
Work Suspended :Not reported
Responsible Party:GORDON
RP Address: 1404 N. DAISY AVE.
Global Id: T0603701939
Org Name: Not reported
Contact Person: Not reported
MTBE Conc: Not reported
Mtb Fuel: Not reported
Water System Name: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

WEST COAST CHOPPERS (Continued)

S104891049

Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported

LUST Region 4:

Report Date: 05/15/1995
Lead Agency: Regional Board
Local Agency: 19060
Substance: Naphtha Distillate
Case Type: Groundwater
Status: Preliminary site assessment workplan submitted
Region: 4
Staff: HDN
Date Case Last Changed on Database: 5/15/95
Date Leak Record Entered: 8/28/95
Historical Max MTBE Date: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil : Not reported
County: Los Angeles
Organization : Not reported
Regional Board: 4
Owner Contact: Not reported
Responsible Party: GORDON
RP Address: 1404 N. DAISY AVE.
Significant Interim Remedial Action Taken: Not reported
Program : LUST
Lat / Long : 34 / -118
Local Agency Staff: Not reported
Summary : 3/6/97 - ADDITIONAL INFORMATION LETTER SENT;
5/13/97- 1ST LEVEL ENFORCEMENT LETTER SENT; 8/8/97
- 2ND LEVEL ENFORCEMENT LETTER SENT

Hydrologic Basin # : SAN FERNANDO VALLEY
Beneficial Use : Not reported
Priority : Not reported
Cleanup Fund Id : Not reported
Suspended : Not reported
Local Case No : Not reported
Substance Quantity : 0
Abatement Method Used at the Site: Not reported
Operator : FORMER ELLIS PAINT CO
Water System : Not reported
Well Name : Not reported
Approx. Dist To Production Well (ft) : 16165.19339
Assigned Name : Not reported
Source of Cleanup Funding: Not reported
Date the Leak was Discovered: 03/28/1995
How the Leak was Discovered: Subsurface Monitoring
How the Leak was Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Date The Leak was Stopped: Not reported
Date Confirmation Leak Began: Not reported
Preliminary Site Assessment Workplan Submitted: 2/1/01
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

WEST COAST CHOPPERS (Continued)

EDR ID Number
EPA ID Number

Database(s)

S104891049

Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Date the Case was Closed: Not reported
Enforcement Action Date: 2/2/01
Date Leak First Reported: 05/15/1995
Enforcement Type: LET
Global ID : T0603701939
Cross Street: OREGON

**I32
East
1/8-1/4
854 ft.**

**NOVA TECHNO CORPORATION
1368 OREGON AVE
LONG BEACH, CA 90813**

RCRIS-SQG

**1007198916
CAD066662503**

Site 2 of 2 in cluster I

**Relative:
Lower**

RCRIS:
Owner: NOT REQUIRED
(415) 555-1212
EPA ID: CAD066662503
Contact: LINDA NORWOOD
562-435-8080
Classification: Small Quantity Generator
TSDF Activities: Not reported
Violation Status: No violations found

**Actual:
11 ft.**

**H33
East
1/8-1/4
856 ft.**

**NOVA TECHNO CORP
1368 OREGON AVE
LONG BEACH, CA 90813**

**HAZNET
UST
CA SLIC
CA FID UST
HIST UST**

**1000143314
N/A**

Site 5 of 5 in cluster H

**Relative:
Higher**

HAZNET:
Gepaid: CAD066662503
TSD EPA ID: CAD097030993
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 3.7530
Waste Category: Liquids with chromium (VI) > 500 mg/l
Disposal Method: Treatment, Tank
Contact: NOVA TECHNO CORPORATION
Telephone: (562) 599-2497
Mailing Address: 1368 OREGON AVE
LONG BEACH, CA 90813 - 1425
County: Los Angeles
Gepaid: CAD066662503
TSD EPA ID: AZD049318009
Gen County: Los Angeles
Tsd County: 99
Tons: 1.6043
Waste Category: Other inorganic solid waste
Disposal Method: Transfer Station
Contact: NOVA TECHNO CORPORATION
Telephone: (562) 599-2497
Mailing Address: 1368 OREGON AVE

**Actual:
13 ft.**

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

NOVA TECHNO CORP (Continued)

1000143314

County LONG BEACH, CA 90813 - 1425
Los Angeles

Gepaid: CAD066662503
TSD EPA ID: AZD049318009
Gen County: Los Angeles
Tsd County: 99
Tons: .3250
Waste Category: Other inorganic solid waste
Disposal Method: Not reported
Contact: NOVA TECHNO CORPORATION
Telephone: (562) 599-2497
Mailing Address: 1368 OREGON AVE
LONG BEACH, CA 90813 - 1425

County Los Angeles

Gepaid: CAD066662503
TSD EPA ID: CAD050806850
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 1.0535
Waste Category: Other inorganic solid waste
Disposal Method: Transfer Station
Contact: NOVA TECHNO CORPORATION
Telephone: (562) 599-2497
Mailing Address: 1368 OREGON AVE
LONG BEACH, CA 90813 - 1425

County Los Angeles

Gepaid: CAD066662503
TSD EPA ID: CAD097030993
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 15.4290
Waste Category: Liquids with pH <UN-> 2 with metals
Disposal Method: Recycler
Contact: NOVA TECHNO CORPORATION
Telephone: (562) 599-2497
Mailing Address: 1368 OREGON AVE
LONG BEACH, CA 90813 - 1425

County Los Angeles

The CA HAZNET database contains 13 additional records for this site.
For more information, please [click here](#) while viewing on your computer,
or contact your EDR Account Executive.

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

NOVA TECHNO CORP (Continued)

EDR ID Number
EPA ID Number

Database(s)

1000143314

FID:

Facility ID:	19029718	Regulate ID:	00006617
Reg By:	Active Underground Storage Tank Location		
Cortese Code:	Not reported	SIC Code:	Not reported
Status:	Active	Facility Tel:	(213) 599-2497
Mail To:	Not reported		
	1368 OREGON AVE		
	LONG BEACH, CA 90813		
Contact:	Not reported	Contact Tel:	Not reported
DUNS No:	Not reported	NPDES No:	Not reported
Creation:	10/22/93	Modified:	00/00/00
EPA ID:	Not reported		
Comments:	Not reported		

SLIC Region 4:

Facility Status:	Closure
Region:	4
SLIC	0624
Staff:	RE
Substance:	Cr

UST HIST:

Facility ID:	6617	Owner Name:	NOVA TECHNO CORPORATION
Total Tanks:	3	Region:	STATE
Owner Address:	1368 OREGON AVE.		
	LONG BEACH, CA 90813		
Tank Used for:	PRODUCT		
Tank Num:	1	Container Num:	1
Tank Capacity:	00002000	Year Installed:	1974
Type of Fuel:	Not reported	Tank Construction:	1/4" inches
Leak Detection:	Visual		
Contact Name:	SAM P. PONZIO,	Telephone:	(213) 599-2497
Facility Type:	Other	Other Type:	CHROME PLATING
Facility ID:	6617	Owner Name:	NOVA TECHNO CORPORATION
Total Tanks:	3	Region:	STATE
Owner Address:	1368 OREGON AVE.		
	LONG BEACH, CA 90813		
Tank Used for:	PRODUCT		
Tank Num:	2	Container Num:	2
Tank Capacity:	00000800	Year Installed:	1978
Type of Fuel:	Not reported	Tank Construction:	1/4" inches
Leak Detection:	Visual		
Contact Name:	SAM P. PONZIO,	Telephone:	(213) 599-2497
Facility Type:	Other	Other Type:	CHROME PLATING
Facility ID:	6617	Owner Name:	NOVA TECHNO CORPORATION
Total Tanks:	3	Region:	STATE
Owner Address:	1368 OREGON AVE.		
	LONG BEACH, CA 90813		
Tank Used for:	WASTE		
Tank Num:	3	Container Num:	3
Tank Capacity:	00002000	Year Installed:	1972
Type of Fuel:	Not reported	Tank Construction:	6 inches
Leak Detection:	Visual		
Contact Name:	SAM P. PONZIO,	Telephone:	(213) 599-2497
Facility Type:	Other	Other Type:	CHROME PLATING

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

NOVA TECHNO CORP (Continued)

EDR ID Number
EPA ID Number

Database(s)

1000143314

UST Long Beach:

Total Tanks: 1F

Tank Test: Not reported

Region:

LONG BEACH

Leak Test:

Not reported

J34
ESE
1/8-1/4
872 ft.

VACANT
0710 W ANAHEIM ST
LONG BEACH, CA

UST U003854692
N/A

Site 1 of 6 in cluster J

Relative:
Lower

UST Long Beach:

Total Tanks: 0T

Tank Test: Not reported

Region:

LONG BEACH

Leak Test:

Not reported

Actual:
11 ft.

35
SE
1/8-1/4
893 ft.

1X KB MANAGEMENT CO
725 12TH STREET
LONG BEACH, CA 90813

HAZNET S103670523
N/A

Relative:
Higher

HAZNET:

Gepaid: CAC000965920

TSD EPA ID: CAD099452708

Gen County: Los Angeles

Tsd County: Los Angeles

Tons: .2293

Waste Category: Unspecified aqueous solution

Disposal Method: Recycler

Contact: K B MANAGEMENT CO.

Telephone: (000) 000-0000

Mailing Address: P.O. BOX 10235
BEVERLY HILLS, CA 90213

County: Los Angeles

Gepaid: CAC000965920

TSD EPA ID: CAD000088252

Gen County: Los Angeles

Tsd County: Los Angeles

Tons: .0175

Waste Category: Other organic solids

Disposal Method: Transfer Station

Contact: K B MANAGEMENT CO.

Telephone: (000) 000-0000

Mailing Address: P.O. BOX 10235
BEVERLY HILLS, CA 90213

County: Los Angeles

J36
ESE
1/8-1/4
900 ft.

AMERICAN BUFFALO INC
0702 W ANAHEIM ST
LONG BEACH, CA

UST U003660149
N/A

Site 2 of 6 in cluster J

Relative:
Lower

UST Long Beach:

Total Tanks: 0T

Tank Test: Not reported

Region:

LONG BEACH

Leak Test:

Not reported

Actual:
11 ft.

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

J37
ESE
1/8-1/4
900 ft.

ARAMARK UNIFORM SERVICES INC
702 WEST ANAHEIM STREET
LONG BEACH, CA 90813

HAZNET
CLEANERS

EDR ID Number
EPA ID Number

S103950486
N/A

Site 3 of 6 in cluster J

Relative:
Lower

CA Cleaners:

Actual:
11 ft.

Inactive Date: Not reported
EPA Id: CAL000038236
Facility Address 2 Not reported
NAICS Code : 812332
Facility Active : Yes
Mail Name : ARAMARK UNIFORM & CAREER APPAREL, I
Mailing Address: 2300 WARRENVILLE ROAD
DOWNERS GROVE, IL 60515
Owner Name : ARAMARK UNIFORM & CAREER
Mailing Address: 115 N FIRST STREET
DOWNERS GROVE, IL 60515
Owner Telephone 8189733700
Contact Name : TOM DIKOS
Mailing Address: 2300 WARRENVILLE ROAD
DOWNERS GROVE, IL 60515
Contact Telephone 6302712979
Contact Fax : Not reported
Contact Email : Not reported
Region Code : 3

HAZNET:

Gepaid: CAL000038236
TSD EPA ID: CAD008364432
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .6880
Waste Category: Aqueous solution with 10% or more total organic residues
Disposal Method: Treatment, Tank
Contact: ARAMARK UNIFORM SERVICES INC
Telephone: (818) 973-3700
Mailing Address: 1827 WALDEN OFFICE SQ STE 200
SCHAUMBURG, IL 60173 - 4275
County Los Angeles
Gepaid: CAL000038236
TSD EPA ID: CAD008364432
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .7297
Waste Category: Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.)
Disposal Method: Treatment, Tank
Contact: ARAMARK UNIFORM SERVICES INC
Telephone: (818) 973-3700
Mailing Address: 1827 WALDEN OFFICE SQ STE 200
SCHAUMBURG, IL 60173 - 4275
County Los Angeles

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

J38
ESE
1/8-1/4
900 ft.

ARATEX SERVICES INC
1405 E 58TH PL
LONG BEACH, CA 90813

LUST
Cortese
LOS ANGELES CO. HMS

S102057754
N/A

Relative:
Lower

Site 4 of 6 in cluster J

Actual:
11 ft.

State LUST:

Cross Street: Not reported
Qty Leaked: 0
Case Number: 9UT2546
Reg Board: 9
Chemical: Regular Gasoline
Lead Agency: Local Agency
Local Agency : 37000L
Case Type: Soil only
Status: Case Closed
Review Date: Not reported
Workplan: 2/10/87 0:00
Pollution Char: Not reported
Remed Action: 9/6/89 0:00
Monitoring: Not reported
Close Date: 8/19/91 0:00
Release Date: Not reported
Cleanup Fund Id : Not reported
Discover Date : 02/10/1987
Enforcement Dt : Not reported
Enf Type: Not reported
Enter Date : Not reported
Funding: Not reported
Staff Initials: NAL
How Discovered: Not reported
How Stopped: Not reported
Interim : Not reported
Leak Cause: Not reported
Leak Source: Not reported
MTBE Date : Not reported
Max MTBE GW : Not reported
MTBE Tested: Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.
Priority: Low priority. Priority ranking can change over time.
Local Case # : 0
Beneficial: Not reported
Staff : UNK
GW Qualifier : Not reported
Max MTBE Soil : Not reported
Soil Qualifier : Not reported
Hydr Basin #: SWEETWATER VALLEY (9
Operator : Not reported
Oversight Prgm: LUST
Review Date : Not reported
Stop Date : / /
Work Suspended :Not reported
Responsible Party:Not reported
RP Address: Not reported
Global Id: T0607301291
Org Name: Not reported
Contact Person: Not reported
MTBE Conc: Not reported
Mtbe Fuel: Not reported
Water System Name: Not reported

Confirm Leak: Not reported
Prelim Assess: 2/10/87 0:00
Remed Plan: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

ARATEX SERVICES INC (Continued)

S102057754

Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported

Cross Street: OREGON
Qty Leaked: 0
Case Number: 908130161
Reg Board: 4
Chemical: Solvents
Lead Agency: Regional Board
Local Agency : 19060
Case Type: Other ground water affected
Status: Remedial action (cleanup) Underway
Abate Method: Pump and Treat Ground Water - generally employed to remove dissolved
contaminants

Review Date: Not reported
Workplan: Not reported
Pollution Char: Not reported
Remed Action: 3/1/98 0:00
Monitoring: Not reported
Close Date: Not reported
Release Date: 01/19/1988
Cleanup Fund Id : Not reported
Discover Date : / /
Enforcement Dt : Not reported
Enf Type: Not reported
Enter Date : 3/10/88 0:00
Funding: Not reported
Staff Initials: Not reported
How Discovered: Not reported
How Stopped: Not reported
Interim : Yes
Leak Cause: Not reported
Leak Source: Not reported
MTBE Date : Not reported
Max MTBE GW : Not reported
MTBE Tested: Not Required to be Tested.
Priority: 3A
Local Case # : 0
Beneficial: Not reported
Staff : SLC
GW Qualifier : Not reported
Max MTBE Soil : Not reported
Soil Qualifier : Not reported
Hydr Basin #: SAN FERNANDO VALLEY
Operator : Not reported
Oversight Prgm: Spills, Leaks, Investigations and Cleanup UST
Review Date : 3/1/98 0:00
Stop Date : / /
Work Suspended :Not reported
Responsible Party:ARATEX SERVICES, INC.
RP Address: 1834 WALDEN OFFICE SQ. SUITE 450, SCHAUMBURG, IL 60173
Global Id: T0603701930
Org Name: Not reported
Contact Person: Not reported
MTBE Conc: Not reported

Confirm Leak: Not reported
Prelim Assess: Not reported
Remed Plan: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

ARATEX SERVICES INC (Continued)

S102057754

Mtbe Fuel: Not reported
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported

LUST Region 4:

Report Date: 01/19/1988
Lead Agency: Regional Board
Local Agency: 19060
Substance: Solvents
Case Type: Groundwater
Status: Remedial action (cleanup) Underway
Region: 4
Staff: SLC

Date Case Last Changed on Database: 3/1/98
Date Leak Record Entered: 3/10/88
Historical Max MTBE Date: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil : Not reported
County: Los Angeles
Organization : Not reported
Regional Board: 4

Owner Contact: Not reported

Responsible Party:

RP Address:

Significant Interim Remedial Action Taken:

Program :

Lat / Long :

Local Agency Staff:

Summary :

ARATEX SERVICES, INC.

1834 WALDEN OFFICE SQ. SUITE 450, SCHAUMBURG, IL 60173

Yes

SLIC

34 / -118

Not reported

CONSULTANT:DEPAUL AND ASSOCIATES,
INC.(312)397-9500,WILLIAM WITHROW
SOLVENT CASE

PER DAB

SAN FERNANDO VALLEY

Hydrologic Basin # :

Beneficial Use :

Priority :

Cleanup Fund Id :

Suspended :

Local Case No :

Substance Quantity :

Abatement Method Used at the Site:

Operator :

Water System :

Well Name :

Approx. Dist To Production Well (ft) :

Assigned Name :

Source of Cleanup Funding:

Date the Leak was Discovered:

How the Leak was Discovered:

How the Leak was Stopped:

Cause of Leak:

Leak Source:

Date The Leak was Stopped:

Date Confirmation Leak Began:

Not reported

3A

Not reported

Not reported

Not reported

0

Pump and Treat Groundwater

Not reported

Not reported

Not reported

16188.11118

Not reported

Not reported

/ /

Not reported

Not reported

Not reported

Not reported

Not reported

Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

ARATEX SERVICES INC (Continued)

EDR ID Number
EPA ID Number

Database(s)

S102057754

Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: 3/18/88
Remediation Plan Submitted: Not reported
Remedial Action Underway: 3/1/98
Post Remedial Action Monitoring Began: Not reported
Date the Case was Closed: Not reported
Enforcement Action Date: Not reported
Date Leak First Reported: 01/19/1988
Enforcement Type: Not reported
Global ID : T0603701930
Cross Street: OREGON

CORTESE:

Region: CORTESE
Fac Address 2: 702 ANAHEIM ST W

HMS:

Facility Id: 005146-005344
Area: 29
Facility Type: Not reported
Permit Number: 174 Permit Status: Not reported
Facility Status: Removed
Region: Los Angeles County:

39
ENE
1/8-1/4
923 ft.

CARAVAN MANUFACTURING CO INC
1424 OREGON AVE
LONG BEACH, CA

UST U003661147
N/A

Relative:
Higher

UST Long Beach:
Total Tanks: 0T Region: LONG BEACH
Tank Test: Not reported Leak Test: Not reported

Actual:
15 ft.

J40
ESE
1/8-1/4
955 ft.

STRIKE TECHNOLOGY INC DBA WILORCO
729 W ANAHEIM ST UNIT A
LONG BEACH, CA 90813

HAZNET S105725473
N/A

Relative:
Lower

Site 5 of 6 in cluster J

HAZNET:
Gepaid: CAL000223005
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: 99
Tons: 0.22
Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method: Treatment, Incineration
Contact: LEE PALMER OPERATIONS MANAGER
Telephone: (562) 437-3428
Mailing Address: 729 W ANAHEIM ST UNIT A
LONG BEACH, CA 90813
County: Not reported

Actual:
11 ft.

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

STRIKE TECHNOLOGY INC DBA WILORCO (Continued)

EDR ID Number
EPA ID Number

Database(s)

S105725473

Gepaid: CAL000223005
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: 99
Tons: 0.5
Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method: Recycler
Contact: LEE PALMER OPERATIONS MANAGER
Telephone: (562) 437-3428
Mailing Address: 729 W ANAHEIM ST UNIT A
LONG BEACH, CA 90813
County: Not reported

**J41
ESE
1/8-1/4
955 ft.**

**DOUGLAS ROBINSON PROPERTY
718 ANAHEIM
LONG BEACH, CA 90806**

**Cortese S102590610
N/A**

Site 6 of 6 in cluster J

**Relative:
Lower**

CORTESE:
Region: CORTESE
Fac Address 2: Not reported

**Actual:
11 ft.**

**42
ESE
1/8-1/4
980 ft.**

**ELLIS PAINT CO
1200 OREGON AVE
LONG BEACH, CA 90813**

**RCRIS-SQG 1000455513
FINDS CAD982495038
HAZNET**

**Relative:
Equal**

RCRIS:
Owner: ROBERT O BERG
(415) 555-1212
EPA ID: CAD982495038
Contact: ENVIRONMENTAL MANAGER
(213) 486-8225

**Actual:
12 ft.**

Classification: Small Quantity Generator
TSDF Activities: Not reported
Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system (RCRAINFO)

HAZNET:

Gepaid: CAD982495038
TSD EPA ID: CAD008252405
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .0200
Waste Category: Paint sludge
Disposal Method: Treatment, Incineration
Contact: ELLIS PAINT CO
Telephone: (213) 261-8114
Mailing Address: 1200 OREGON AVE
LONG BEACH, CA 90813 - 2827
County: Los Angeles

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

ELLIS PAINT CO (Continued)

EDR ID Number
EPA ID Number

Database(s)

1000455513

Gepaid: CAD982495038
TSD EPA ID: CAD008252405
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .0625
Waste Category: Aqueous solution with 10% or more total organic residues
Disposal Method: Recycler
Contact: ELLIS PAINT CO
Telephone: (213) 261-8114
Mailing Address: 1200 OREGON AVE
LONG BEACH, CA 90813 - 2827
County Los Angeles

Gepaid: CAD982495038
TSD EPA ID: CAD008252405
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .4150
Waste Category: Other organic solids
Disposal Method: Treatment, Incineration
Contact: ELLIS PAINT CO
Telephone: (213) 261-8114
Mailing Address: 1200 OREGON AVE
LONG BEACH, CA 90813 - 2827
County Los Angeles

Gepaid: CAD982495038
TSD EPA ID: CAD008252405
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .9424
Waste Category: Unspecified organic liquid mixture
Disposal Method: Recycler
Contact: ELLIS PAINT CO
Telephone: (213) 261-8114
Mailing Address: 1200 OREGON AVE
LONG BEACH, CA 90813 - 2827
County Los Angeles

Gepaid: CAD982495038
TSD EPA ID: CAD008252405
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .2500
Waste Category: Other organic solids
Disposal Method: Treatment, Incineration
Contact: ELLIS PAINT CO
Telephone: (213) 261-8114
Mailing Address: 1200 OREGON AVE
LONG BEACH, CA 90813 - 2827
County Los Angeles

The CA HAZNET database contains 18 additional records for this site.
For more information, please [click here](#) while viewing on your computer,
or contact your EDR Account Executive.

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

	Site	Database(s)	EDR ID Number EPA ID Number
K43 NE 1/8-1/4 1015 ft.	HENDERSON & COMPANY 0703 W COWLES ST LONG BEACH, CA Site 1 of 2 in cluster K UST Long Beach: Total Tanks: 1T Tank Test: Not reported	UST	U003660594 N/A
Relative: Higher	Region: LONG BEACH Leak Test: Not reported		
Actual: 15 ft.			
K44 NE 1/8-1/4 1019 ft.	1451 OREGON AVE LONG BEACH, CA Site 2 of 2 in cluster K UST Long Beach: Total Tanks: 0F Tank Test: Not reported	UST	U003920173 N/A
Relative: Higher	Region: LONG BEACH Leak Test: Not reported		
Actual: 15 ft.			
L45 NNE 1/8-1/4 1072 ft.	BKK CORPORATION 800 W 015TH ST LONG BEACH, CA 90813 Site 1 of 4 in cluster L FID: Facility ID: 19056630 Reg By: Active Underground Storage Tank Location Cortese Code: Not reported Status: Active Mail To: Not reported 2550 237TH ST LONG BEACH, CA 90813 Contact: Not reported DUNS No: Not reported Creation: 10/22/93 EPA ID: Not reported Comments: Not reported	CA FID UST	S101629836 N/A
Relative: Higher	Regulate ID: 00016806 SIC Code: Not reported Facility Tel: (213) 432-8461 Contact Tel: Not reported NPDES No: Not reported Modified: 00/00/00		
Actual: 15 ft.			
L46 NNE 1/8-1/4 1072 ft.	IT CORP-ROUTH TRANSPORT & TRANSFER FAC 800 15TH ST LONG BEACH, CA 90813 Site 2 of 4 in cluster L RCRIS: Owner: ROUTH TRANSPORTATION CORPORATION (213) 435-4823 EPA ID: CAD041156464 Contact: ENVIRONMENTAL MANAGER (213) 830-1781 Classification: Small Quantity Generator TSDF Activities: Not reported	RCRIS-SQG FINDS	1000180416 CAD041156464

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

IT CORP-ROUTH TRANSPORT & TRANSFER FAC (Continued)

EDR ID Number
EPA ID Number

1000180416

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system (RCRAINFO)

L47
NNE
1/8-1/4
1079 ft.

BKK CORP
0800 W 15TH ST
LONG BEACH, CA 90813

LUST
Cortese
UST
HIST UST

U001566289
N/A

Site 3 of 4 in cluster L

Relative:
Higher

State LUST:

Actual:
15 ft.

Cross Street: SAN FRANCISCO AVE
Qty Leaked: 0
Case Number: 908130570
Reg Board: 4
Chemical: Waste Oil
Lead Agency: Local Agency
Local Agency : 19060
Case Type: Soil only
Status: Case Closed
Review Date: Not reported
Workplan: Not reported
Pollution Char: Not reported
Remed Action: Not reported
Monitoring: Not reported
Close Date: 12/2/86 0:00
Release Date: 09/15/1986
Cleanup Fund Id : Not reported
Discover Date : / /
Enforcement Dt : Not reported
Enf Type: Not reported
Enter Date : 8/5/87 0:00
Funding: Not reported
Staff Initials: Not reported
How Discovered: Not reported
How Stopped: Not reported
Interim : Not reported
Leak Cause: UNK
Leak Source: UNK
MTBE Date : Not reported
Max MTBE GW : Not reported
MTBE Tested: Not Required to be Tested.
Priority: Not reported
Local Case # : 0
Beneficial: Not reported
Staff : UNK
GW Qualifier : Not reported
Max MTBE Soil : Not reported
Soil Qualifier : Not reported
Hydr Basin #: SAN FERNANDO VALLEY
Operator : Not reported
Oversight Prgm: LUST
Review Date : 9/15/86 0:00
Stop Date : / /
Work Suspended :Not reported
Responsible PartyBKK CORPORATION

Confirm Leak: Not reported
Prelim Assess: Not reported
Remed Plan: Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s)
 EDR ID Number
 EPA ID Number

BKK CORP (Continued)

U001566289

RP Address: 2550 237TH ST, TORRANCE, CA 90505
 Global Id: T0603701968
 Org Name: Not reported
 Contact Person: Not reported
 MTBE Conc: Not reported
 Mtbe Fuel: Not reported
 Water System Name: Not reported
 Well Name: Not reported
 Distance To Lust: 0
 Waste Discharge Global ID: Not reported
 Waste Disch Assigned Name: Not reported

LUST Region 4:

Report Date: 09/15/1986
 Lead Agency: Local Agency
 Local Agency: 19060
 Substance: Waste Oil
 Case Type: Soil
 Status: Case Closed
 Region: 4
 Staff: UNK
 Date Case Last Changed on Database: 9/15/86
 Date Leak Record Entered: 8/5/87
 Historical Max MTBE Date: Not reported
 GW Qualifier: Not reported
 Soil Qualifier: Not reported
 Hist Max MTBE Conc in Groundwater: Not reported
 Hist Max MTBE Conc in Soil : Not reported
 County: Los Angeles
 Organization : Not reported
 Regional Board: 4
 Owner Contact: Not reported
 Responsible Party: BKK CORPORATION
 RP Address: 2550 237TH ST, TORRANCE, CA 90505
 Significant Interim Remedial Action Taken: Not reported
 Program : LUST
 Lat / Long : 34 / -118
 Local Agency Staff: Not reported
 Summary : Not reported
 Hydrologic Basin # : SAN FERNANDO VALLEY
 Beneficial Use : Not reported
 Priority : Not reported
 Cleanup Fund Id : Not reported
 Suspended : Not reported
 Local Case No : Not reported
 Substance Quantity : 0
 Abatement Method Used at the Site: Not reported
 Operator : Not reported
 Water System : Not reported
 Well Name : Not reported
 Approx. Dist To Production Well (ft) : 15576.76914
 Assigned Name : Not reported
 Source of Cleanup Funding: Not reported
 Date the Leak was Discovered: / /
 How the Leak was Discovered: Not reported
 How the Leak was Stopped: Not reported
 Cause of Leak: UNK
 Leak Source: UNK

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

BKK CORP (Continued)

EDR ID Number
EPA ID Number

Database(s)

U001566289

Date The Leak was Stopped: Not reported
Date Confirmation Leak Began: Not reported
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: Not reported
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Date the Case was Closed: 12/2/86
Enforcement Action Date: Not reported
Date Leak First Reported: 09/15/1986
Enforcement Type: Not reported
Global ID : T0603701968
Cross Street: SAN FRANCISCO AVE

CORTESE:

Region: CORTESE
Fac Address 2: 800 015TH ST W

UST HIST:

Facility ID: 16806
Total Tanks: 4
Owner Address: 2550 237TH STREET
TORRANCE, CA 90505
Tank Used for: PRODUCT
Tank Num: 1
Tank Capacity: 00010000
Type of Fuel: DIESEL
Leak Detection: Stock Inventor, None
Contact Name: JOHN LAMBIE
Facility Type: Other

Owner Name: BKK CORPORATION
Region: STATE

Facility ID: 16806
Total Tanks: 4
Owner Address: 2550 237TH STREET
TORRANCE, CA 90505
Tank Used for: PRODUCT
Tank Num: 2
Tank Capacity: 00007500
Type of Fuel: DIESEL
Leak Detection: Stock Inventor, None
Contact Name: JOHN LAMBIE
Facility Type: Other

Container Num: LOI
Year Installed: Not reported
Tank Construction: Not Reported

Telephone: (213) 432-8461
Other Type: TRUCK TERMINAL

Facility ID: 16806
Total Tanks: 4
Owner Address: 2550 237TH STREET
TORRANCE, CA 90505
Tank Used for: WASTE
Tank Num: 3
Tank Capacity: 00000000
Type of Fuel: WASTE OIL
Leak Detection: None
Contact Name: JOHN LAMBIE
Facility Type: Other

Owner Name: BKK CORPORATION
Region: STATE

Container Num: LO2
Year Installed: Not reported
Tank Construction: Not Reported

Telephone: (213) 432-8461
Other Type: TRUCK TERMINAL

Facility ID: 16806
Total Tanks: 4

Owner Name: BKK CORPORATION
Region: STATE

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

BKK CORP (Continued)

EDR ID Number
EPA ID Number

U001566289

Owner Address: 2550 237TH STREET
TORRANCE, CA 90505

Tank Used for: WASTE
Tank Num: 4
Tank Capacity: 00000000
Type of Fuel: WASTE OIL
Leak Detection: None
Contact Name: JOHN LAMBIE
Facility Type: Other

Container Num: LO4
Year Installed: Not reported
Tank Construction: Not Reported

Telephone: (213) 432-8461
Other Type: TRUCK TERMINAL

UST Long Beach:
Total Tanks: 0T
Tank Test: Not reported

Region: LONG BEACH
Leak Test: Not reported

L48
NNE
1/8-1/4
1079 ft.

CHANCELLOR & OGDEN
800 W 15TH ST
LONG BEACH, CA 90813

RCRIS-SQG
FINDS

1000308113
CAD980880538

Site 4 of 4 in cluster L

Relative:
Higher

RCRIS:
Owner: BKK CORPORATION
(415) 555-1212
EPA ID: CAD980880538
Contact: ENVIRONMENTAL MANAGER
(213) 539-7150
Classification: Small Quantity Generator
TSDF Activities: Not reported
Violation Status: No violations found

Actual:
15 ft.

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system (RCRAINFO)

49
ESE
1/8-1/4
1136 ft.

ARATEX SERVICES
702 ANAHEIM
LONG BEACH, CA 90813

CA SLIC
S103546802
N/A

Relative:
Higher

SLIC Region 4:
Facility Status: Remediation
Region: 4
SLIC: 0678
Staff: Jenny Au
Substance: VOCs

Actual:
13 ft.

M50
ENE
1/8-1/4
1152 ft.

AIR CARGO (NOT PREVIOUSLY ON TANK LIST)
0665 W COWLES ST #3
LONG BEACH, CA

UST
U003660593
N/A

Site 1 of 4 in cluster M

Relative:
Higher

UST Long Beach:
Total Tanks: 0T
Tank Test: Not reported

Region: LONG BEACH
Leak Test: Not reported

Actual:
13 ft.

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

M51
ENE
1/8-1/4
1207 ft.

DOUGLAS PRODUCE
650 W COWLES
LONG BEACH, CA 90813

HAZNET

S103668198
N/A

Site 2 of 4 in cluster M

Relative:
Higher

HAZNET:

Actual:
13 ft.

Gepaid: CAL000130079
TSD EPA ID: CAD028409019
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .8340
Waste Category: Aqueous solution with less than 10% total organic residues
Disposal Method: Treatment, Tank
Contact: DOUGLAS PRODUCE
Telephone: (000) 000-0000
Mailing Address: 650 W COWLES ST
LONG BEACH, CA 90813
County: Los Angeles

Gepaid: CAL000130079
TSD EPA ID: CAD044429835
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .6880
Waste Category: Waste oil and mixed oil
Disposal Method: Not reported
Contact: DOUGLAS PRODUCE
Telephone: (000) 000-0000
Mailing Address: 650 W COWLES ST
LONG BEACH, CA 90813
County: Los Angeles

Gepaid: CAL000130079
TSD EPA ID: CAD044429835
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .6880
Waste Category: Waste oil and mixed oil
Disposal Method: Recycler
Contact: DOUGLAS PRODUCE
Telephone: (000) 000-0000
Mailing Address: 650 W COWLES ST
LONG BEACH, CA 90813
County: Los Angeles

M52
ENE
1/8-1/4
1214 ft.

DOUGLAS PRODUCE
648 COWLES ST
LONG BEACH, CA 90813

HAZNET
LUST
Cortese

S101296709
N/A

Site 3 of 4 in cluster M

Relative:
Higher

State LUST:

Actual:
13 ft.

Cross Street: ATLANTIC
Qty Leaked: 0
Case Number: 908130325
Reg Board: 4
Chemical: Gasoline
Lead Agency: Regional Board
Local Agency: 19060
Case Type: Other ground water affected
Status: Pollution Characterization

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

DOUGLAS PRODUCE (Continued)

S101296709

Review Date:	Not reported	Confirm Leak:	Not reported
Workplan:	5/8/98 0:00	Prelim Assess:	5/8/98 0:00
Pollution Char:	Not reported	Remed Plan:	Not reported
Remed Action:	Not reported		
Monitoring:	2/13/87 0:00		
Close Date:	Not reported		
Release Date:	02/13/1987		
Cleanup Fund Id :	Not reported		
Discover Date :	02/13/1987		
Enforcement Dt :	8/10/00 0:00		
Enf Type:	LET		
Enter Date :	6/16/88 0:00		
Funding:	Not reported		
Staff Initials:	Not reported		
How Discovered:	Not reported		
How Stopped:	Not reported		
Interim :	Not reported		
Leak Cause:	Not reported		
Leak Source:	Not reported		
MTBE Date :	Not reported		
Max MTBE GW :	Not reported		
MTBE Tested:	MTBE Detected. Site tested for MTBE & MTBE detected		
Priority:	Not reported		
Local Case # :	0		
Beneficial:	Not reported		
Staff :	HDN		
GW Qualifier :	Not reported		
Max MTBE Soil :	39 Parts per Million		
Soil Qualifier :	Not reported		
Hydr Basin #:	SAN FERNANDO VALLEY		
Operator :	Not reported		
Oversight Prgm:	LUST		
Review Date :	5/4/99 0:00		
Stop Date :	/ /		
Work Suspended :	Not reported		
Responsible Party:	PETE DOUGLAS		
RP Address:	648 COWLES ST,		
Global Id:	T0603701946		
Org Name:	Not reported		
Contact Person:	Not reported		
MTBE Conc:	Not reported		
Mtbe Fuel:	Not reported		
Water System Name:	Not reported		
Well Name:	Not reported		
Distance To Lust:	0		
Waste Discharge Global ID:	Not reported		
Waste Disch Assigned Name:	Not reported		

LUST Region 4:

Report Date:	02/13/1987
Lead Agency:	Regional Board
Local Agency:	19060
Substance:	Gasoline
Case Type:	Groundwater
Status:	Pollution Characterization
Region:	4
Staff:	HDN
Date Case Last Changed on Database:	5/4/99

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

DOUGLAS PRODUCE (Continued)

EDR ID Number
EPA ID Number

Database(s)

S101296709

Date Leak Record Entered:	6/16/88
Historical Max MTBE Date:	Not reported
GW Qualifier:	Not reported
Soil Qualifier:	Not reported
Hist Max MTBE Conc in Groundwater:	Not reported
Hist Max MTBE Conc in Soil :	39
County:	Los Angeles
Organization :	Not reported
Regional Board:	4
Owner Contact:	Not reported
Responsible Party:	PETE DOUGLAS
RP Address:	648 COWLES ST,
Significant Interim Remedial Action Taken:	Not reported
Program :	LUST
Lat / Long :	34 / -118
Local Agency Staff:	Not reported
Summary :	12/23/97- UST CLOSURE REPORT (FREE PRODUCT SITE) 01/30/98- ENVIRON. SITE ASSESSMENT & GW WELL INSTALL. WP 02/13/98- REVISED SITE ASSESSMENT & GW WELL INSTALL. WP 05/06/98- ENVIRON. SITE ASSESSMENT & GW WELL SAN FERNANDO VALLEY
Hydrologic Basin # :	
Beneficial Use :	Not reported
Priority :	Not reported
Cleanup Fund Id :	Not reported
Suspended :	Not reported
Local Case No :	Not reported
Substance Quantity :	0
Abatement Method Used at the Site:	Not reported
Operator :	Not reported
Water System :	Not reported
Well Name :	Not reported
Approx. Dist To Production Well (ft) :	15430.67466
Assigned Name :	Not reported
Source of Cleanup Funding:	Not reported
Date the Leak was Discovered:	02/13/1987
How the Leak was Discovered:	Not reported
How the Leak was Stopped:	Not reported
Cause of Leak:	Not reported
Leak Source:	Not reported
Date The Leak was Stopped:	Not reported
Date Confirmation Leak Began:	Not reported
Preliminary Site Assessment Workplan Submitted:	7/2/97
Preliminary Site Assessment Began:	5/8/98
Pollution Characterization Began:	8/10/00
Remediation Plan Submitted:	Not reported
Remedial Action Underway:	Not reported
Post Remedial Action Monitoring Began:	2/13/87
Date the Case was Closed:	Not reported
Enforcement Action Date:	8/10/00
Date Leak First Reported:	02/13/1987
Enforcement Type:	LET
Global ID :	T0603701946
Cross Street:	ATLANTIC

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

DOUGLAS PRODUCE (Continued)

EDR ID Number
EPA ID Number

Database(s)

S101296709

HAZNET:

Gepaid: CAC002102192
TSD EPA ID: CAD028409019
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .1042
Waste Category: Aqueous solution with 10% or more total organic residues
Disposal Method: Treatment, Tank
Contact: DOUGLAS PRODUCE
Telephone: (000) 000-0000
Mailing Address: 648 COWLES ST
LONG BEACH, CA 90813
County: Los Angeles

CORTESE:

Region: CORTESE
Fac Address 2: 648 COWLES ST

**M53
ENE
1/8-1/4
1214 ft.**

**DOUGLAS BROS PRODUCE CO
0648 W COWLES ST
LONG BEACH, CA 94558**

**Cortese U003660592
UST N/A**

Site 4 of 4 in cluster M

**Relative:
Higher**

CORTESE:
Region: CORTESE
Fac Address 2: Not reported

**Actual:
13 ft.**

UST Long Beach:
Total Tanks: 0T
Tank Test: Not reported
Region: LONG BEACH
Leak Test: Not reported

**N54
NE
1/8-1/4
1216 ft.**

**MESA ENVIRONMENTAL SVCS INC
721 W 15TH ST
LONG BEACH, CA 90813**

**RCRIS-SQG 1000904945
FINDS CA0000206599**

Site 1 of 4 in cluster N

**Relative:
Higher**

RCRIS:
Owner: JOE M ORTEGA
(310) 901-3470
EPA ID: CA0000206599
Contact: ANGELA BUTLER
(562) 901-3470
Classification: Small Quantity Generator
TSDF Activities: Not reported
Violation Status: No violations found

**Actual:
13 ft.**

FINDS:

Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system (RCRAINFO)

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

	Site	Database(s)	EDR ID Number EPA ID Number
N55 NE 1/8-1/4 1216 ft.	MESA ENVIRONMENTAL SERVICES 721 W 15TH LONG BEACH, CA 90813 Site 2 of 4 in cluster N	HAZNET	S103670383 N/A
Relative: Higher	HAZNET:		
Actual: 13 ft.	Gepaid: CAL000100824 TSD EPA ID: CAD028409019 Gen County: Los Angeles Tsd County: Los Angeles Tons: 1.6040 Waste Category: Tank bottom waste Disposal Method: Transfer Station Contact: MESA ENVIRONMENTAL SERVICES Telephone: (562) 901-3470 Mailing Address: PO BOX 9128 LONG BEACH, CA 90810 - 0128 County: Los Angeles Gepaid: CAL000100824 TSD EPA ID: CAD028409019 Gen County: Los Angeles Tsd County: Los Angeles Tons: .6500 Waste Category: Unspecified oil-containing waste Disposal Method: Transfer Station Contact: MESA ENVIRONMENTAL SERVICES Telephone: (562) 901-3470 Mailing Address: PO BOX 9128 LONG BEACH, CA 90810 - 0128 County: Los Angeles Gepaid: CAL000100824 TSD EPA ID: CAD028409019 Gen County: Los Angeles Tsd County: Los Angeles Tons: .3000 Waste Category: Other empty containers 30 gallons or more Disposal Method: Transfer Station Contact: MESA ENVIRONMENTAL SERVICES Telephone: (562) 901-3470 Mailing Address: PO BOX 9128 LONG BEACH, CA 90810 - 0128 County: Los Angeles Gepaid: CAL000100824 TSD EPA ID: CAD028409019 Gen County: Los Angeles Tsd County: Los Angeles Tons: .1000 Waste Category: Other organic solids Disposal Method: Transfer Station Contact: MESA ENVIRONMENTAL SERVICES Telephone: (562) 901-3470 Mailing Address: PO BOX 9128 LONG BEACH, CA 90810 - 0128 County: Los Angeles		

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

MESA ENVIRONMENTAL SERVICES (Continued)

EDR ID Number
EPA ID Number

Database(s)

S103670383

Gepaid: CAL000100824
TSD EPA ID: CAT080033681
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 2.0080
Waste Category: Unspecified oil-containing waste
Disposal Method: Disposal, Land Fill
Contact: MESA ENVIRONMENTAL SERVICES
Telephone: (562) 901-3470
Mailing Address: PO BOX 9128
LONG BEACH, CA 90810 - 0128
County: Los Angeles

The CA HAZNET database contains 6 additional records for this site.
For more information, please click [here](#) while viewing on your computer,
or contact your EDR Account Executive.

N56
NE
1/8-1/4
1224 ft.

DYNATRON ELECTRIC CO. INC.
1492 OREGON AVE
LONG BEACH, CA

UST U003661149
N/A

Site 3 of 4 in cluster N

Relative:
Higher

UST Long Beach:

Total Tanks: 0T
Tank Test: Not reported

Region: LONG BEACH
Leak Test: Not reported

Actual:
13 ft.

N57
NE
1/8-1/4
1247 ft.

LOEM'S SPORTS WEAR
1501 OREGON AVE
LONG BEACH, CA

UST U003661150
N/A

Site 4 of 4 in cluster N

Relative:
Higher

UST Long Beach:

Total Tanks: 0T
Tank Test: Not reported

Region: LONG BEACH
Leak Test: Not reported

Actual:
13 ft.

O58
North
1/8-1/4
1274 ft.

PUBLIC SERVICE YARD
1725 SAN FRANCISCO AVE
LONG BEACH, CA 90802

LUST S102435505
Cortese N/A

Site 1 of 6 in cluster O

Relative:
Higher

State LUST:

Cross Street: PACIFIC COAST HIGHWAY
Qty Leaked: 0
Case Number: 908130607
Reg Board: 4
Chemical: 8
Lead Agency: Local Agency
Local Agency : 19060
Case Type: Soil only
Status: Preliminary site assessment underway
Review Date: Not reported
Workplan: 8/4/95 0:00
Pollution Char: Not reported

Confirm Leak: Not reported
Prelim Assess: 8/4/95 0:00
Remed Plan: Not reported

Actual:
16 ft.

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

PUBLIC SERVICE YARD (Continued)

S102435505

Remed Action: Not reported
Monitoring: Not reported
Close Date: Not reported
Release Date: 08/04/1995
Cleanup Fund Id : Not reported
Discover Date : 08/04/1995
Enforcement Dt : Not reported
Enf Type: Not reported
Enter Date : 8/31/95 0:00
Funding: Not reported
Staff Initials: Not reported
How Discovered: Inventory Control
How Stopped: Not reported
Interim : Not reported
Leak Cause: Structure Failure
Leak Source: Piping
MTBE Date : Not reported
Max MTBE GW : Not reported
MTBE Tested: Not Required to be Tested.
Priority: Not reported
Local Case # : 0
Beneficial: Not reported
Staff : UNK
GW Qualifier : Not reported
Max MTBE Soil : Not reported
Soil Qualifier : Not reported
Hydr Basin #: SAN FERNANDO VALLEY
Operator : DEPT OF PUBLIC WORKS
Oversight Prgm: LUST
Review Date : 8/31/95 0:00
Stop Date : 08/04/1995
Work Suspended :Not reported
Responsible PartyCITY OF LONG BEACH
RP Address: 333 W. OCEAN BLVD., LONG BEACH, CA 90802
Global Id: T0603701971
Org Name: Not reported
Contact Person: Not reported
MTBE Conc: Not reported
Mtbe Fuel: Not reported
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported

LUST Region 4:

Report Date: 08/04/1995
Lead Agency: Local Agency
Local Agency: 19060
Substance: 8
Case Type: Soil
Status: Preliminary site assessment underway
Region: 4
Staff: UNK
Date Case Last Changed on Database: 8/31/95
Date Leak Record Entered: 8/31/95
Historical Max MTBE Date: Not reported
GW Qualifier: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

PUBLIC SERVICE YARD (Continued)

S102435505

Soil Qualifier:	Not reported
Hist Max MTBE Conc in Groundwater:	Not reported
Hist Max MTBE Conc in Soil :	Not reported
County:	Los Angeles
Organization :	Not reported
Regional Board:	4
Owner Contact: Not reported	
Responsible Party:	CITY OF LONG BEACH
RP Address:	333 W. OCEAN BLVD., LONG BEACH, CA 90802
Significant Interim Remedial Action Taken:	Not reported
Program :	LUST
Lat / Long :	34 / -118
Local Agency Staff:	Not reported
Summary :	Not reported
Hydrologic Basin # :	SAN FERNANDO VALLEY
Beneficial Use :	Not reported
Priority :	Not reported
Cleanup Fund Id :	Not reported
Suspended :	Not reported
Local Case No :	Not reported
Substance Quantity :	0
Abatement Method Used at the Site:	Not reported
Operator :	DEPT OF PUBLIC WORKS
Water System :	Not reported
Well Name :	Not reported
Approx. Dist To Production Well (ft) :	15079.62727
Assigned Name :	Not reported
Source of Cleanup Funding:	Not reported
Date the Leak was Discovered:	08/04/1995
How the Leak was Discovered:	Inventory Control
How the Leak was Stopped:	Not reported
Cause of Leak:	Structure Failure
Leak Source:	Piping
Date The Leak was Stopped:	8/4/95
Date Confirmation Leak Began:	Not reported
Preliminary Site Assessment Workplan Submitted:	Not reported
Preliminary Site Assessment Began:	8/4/95
Pollution Characterization Began:	Not reported
Remediation Plan Submitted:	Not reported
Remedial Action Underway:	Not reported
Post Remedial Action Monitoring Began:	Not reported
Date the Case was Closed:	Not reported
Enforcement Action Date:	Not reported
Date Leak First Reported:	08/04/1995
Enforcement Type:	Not reported
Global ID :	T0603701971
Cross Street:	PACIFIC COAST HIGHWAY

CORTESE:

Region:	CORTESE
Fac Address 2:	1725 SAN FRANCISCO AVE

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

O59
North
1/8-1/4
1274 ft.

CITY LONG BEACH PUBLIC WORKS
1601 SAN FRANCISCO
LONG BEACH, CA 90813

HAZNET **S103633796**
N/A

Site 2 of 6 in cluster O

Relative:
Higher

HAZNET:

Actual:
16 ft.

Gepaid: CAD981632235
TSD EPA ID: CAD067786749
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .2500
Waste Category: Asbestos-containing waste
Disposal Method: Disposal, Land Fill
Contact: CITY OF LONG BEACH
Telephone: (000) 000-0000
Mailing Address: 1601 SAN FRANCISCO AVE
LONG BEACH, CA 90813 - 1495
County: Los Angeles

Gepaid: CAD981632235
TSD EPA ID: CAD009007626
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 10.1136
Waste Category: Asbestos-containing waste
Disposal Method: Disposal, Land Fill
Contact: CITY OF LONG BEACH
Telephone: (000) 000-0000
Mailing Address: 1601 SAN FRANCISCO AVE
LONG BEACH, CA 90813 - 1495
County: Los Angeles

Gepaid: CAD981632235
TSD EPA ID: CAD008252405
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 1.3968
Waste Category: Unspecified solvent mixture Waste
Disposal Method: Recycler
Contact: CITY OF LONG BEACH
Telephone: (000) 000-0000
Mailing Address: 1601 SAN FRANCISCO AVE
LONG BEACH, CA 90813 - 1495
County: Los Angeles

Gepaid: CAD981632235
TSD EPA ID: CAT080011059
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .6255
Waste Category: Waste oil and mixed oil
Disposal Method: Recycler
Contact: CITY OF LONG BEACH
Telephone: (000) 000-0000
Mailing Address: 1601 SAN FRANCISCO AVE
LONG BEACH, CA 90813 - 1495
County: Los Angeles

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

CITY LONG BEACH PUBLIC WORKS (Continued)

EDR ID Number
EPA ID Number

Database(s)

S103633796

Gepaid: CAD981632235
TSD EPA ID: CAT080011059
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .6000
Waste Category: Unspecified oil-containing waste
Disposal Method: Disposal, Other
Contact: CITY OF LONG BEACH
Telephone: (000) 000-0000
Mailing Address: 1601 SAN FRANCISCO AVE
LONG BEACH, CA 90813 - 1495
County: Los Angeles

The CA HAZNET database contains 82 additional records for this site.
For more information, please click [here](#) while viewing on your computer,
or contact your EDR Account Executive.

O60
North
1/8-1/4
1274 ft.

CITY OF L.B. PUBLIC SVC YD (2 D/W JOOR)
1725 SAN FRANCISCO AVE
LONG BEACH, CA

UST U003700201
N/A

Site 3 of 6 in cluster O

Relative:
Higher

UST Long Beach:

Total Tanks: 2T
Tank Test: Dual Walled

Region: LONG BEACH
Leak Test: Not reported

Actual:
16 ft.

O61
North
1/8-1/4
1274 ft.

LONG BEACH CITY, PUB SERV DEPT
1601 SAN FRANCISCO AVENUE
LONG BEACH, CA 90813

RCRIS-SQG 1000231626
FINDS CAD981632235

Site 4 of 6 in cluster O

Relative:
Higher

RCRIS:

Owner: CITY OF LONG BEACH
(415) 555-1212

EPA ID: CAD981632235

Contact: Not reported

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

Actual:
16 ft.

FINDS:

Other Pertinent Environmental Activity Identified at Site:
National Emissions Inventory (NEI)
Resource Conservation and Recovery Act Information system (RCRAINFO)

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

O62
North
1/8-1/4
1274 ft.

LONG BEACH TESTING LAB CITY OF
1475 SAN FRANCISCO AVE
LONG BEACH, CA 90813

RCRIS-SQG
FINDS

1000231634
CAD981972201

Site 5 of 6 in cluster O

Relative:
Higher

RCRIS:

Owner: LONG BEACH CITY OF
(415) 555-1212

EPA ID: CAD981972201

Contact: ENVIRONMENTAL MANAGER
(213) 436-4784

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

Actual:
16 ft.

FINDS:

Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system (RCRAINFO)

O63
North
1/8-1/4
1274 ft.

PUBLIC SERVICE TRANSFER STATION #2
1601 SAN FRANCISCO AVE.
LONG BEACH, CA 90813

SWF/LF
EMI

S105247932
N/A

Site 6 of 6 in cluster O

Relative:
Higher

LF:

Facility ID: 19-AA-1049
Operator: City of Long Beach, Public Works Dept.
Operator Phone: (562) 570-2784

Operator Addr: Superintendent Streets Maintenance
1601 San Francisco Ave.
Long Beach, CA 90813

Owner: City of Long Beach, Public Service Bureau
Owner Address: Special Projects Officer
1601 San Francisco Ave.

Long Beach, CA 90813
Owner Telephone: (562) 570-2732
Activity: Limited Volume Transfer Operation
Operator's Status: Not reported
Regulation Status: Not reported
Region: STATE
Lat/Long: 34 / -118
Permit Date: Not reported

Accepted Waste: Green Materials, Mixed municipal

Restrictions:

Status : Not reported
Swisnumber : Not reported
Site Type : Not reported
Aka : Not reported
Type Of Waste : Not reported
Disposal Area : Not reported
SWFP Date : Not reported
WDR Number : Not reported
Dates Of Operation : Not reported
Closure Approved : Not reported
Date Of Field Units : Not reported
Surface Condition : Not reported
Landfill Gas : Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

PUBLIC SERVICE TRANSFER STATION #2 (Continued)

S105247932

Leachate :	Not reported
Emergency Response :	Not reported
Other Recommendation :	Not reported
Reassess Site :	Not reported
Priority For Site Assessment :	Not reported
Lea Date :	Not reported
Explanation:	Not Reported
No Further Action:	Not Reported
Permitted Throughput with Units:	8
Permitted Throughput with Units:	8
Permitted Throughput with Units:	8
Actual Throughput with Units:	Tons/day
Actual Capacity with Units:	1000
Permitted Capacity with Units:	1000
Remaining Capacity with Units:	Tons/year
Permitted Total Acreage:	0
Inspection Frequency:	Quarterly
Landuse Name:	Not reported
GIS Source:	GPS
Permit Status:	Notification
Category:	Transfer/Processing
Unit Number:	01
Last Waste Tire Inspection Count :	Not reported
Last Waste Tire Inspection Date:	Not reported
Original Waste Tire Count:	Not reported
Original Waste Tire Count Date:	Not reported
Closure Date:	/ /
Closure Type:	Not reported
Disposal Acreage:	Not reported
Remaining Capacity:	Not reported
Year Opened:	Not reported
Year Closed:	Not reported
Fill Area:	Not reported
Type Of Refuse:	Not reported
Avg Depth Of Fill:	Not reported
Addtl Expansion Area:	Not reported
Site Description:	Not Reported

EMISSIONS :

Facility ID :	774
Air District Code :	SC
SIC Code :	7699
Total Priority Score :	Not reported
Health Risk Assessment :	Not reported
Non-cancer Chronic Haz Index :	Not reported
Non-cancer Acute Haz Index :	Not reported
Air Basin :	SC
Air District Name :	SOUTH COAST AQMD
Community Health Air Pollution Info System :	Not reported
Consolidated Emission Reporting Rule :	Not reported
County Code :	19
County ID :	19

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

64
WNW
1/4-1/2
1447 ft.

MICOR ENERGY LLC
1234 COWLES ST W
LONG BEACH, CA 90808

LUST
Cortese
S104406362
N/A

Relative:
Higher

State LUST:

Actual:
13 ft.

Cross Street: FASHION AVE
Qty Leaked: 0
Case Number: 908130625
Reg Board: 4
Chemical: Gasoline
Lead Agency: Regional Board
Local Agency : 19060
Case Type: Other ground water affected
Status: Pollution Characterization
Review Date: Not reported
Workplan: 3/27/00 0:00
Pollution Char: Not reported
Remed Action: Not reported
Monitoring: 1/7/00 0:00
Close Date: Not reported
Release Date: 01/07/2000
Cleanup Fund Id : Not reported
Discover Date : 10/20/1999
Enforcement Dt : Not reported
Enf Type: LET
Enter Date : Not reported
Funding: Not reported
Staff Initials: Not reported
How Discovered: Subsurface Monitoring
How Stopped: Not reported
Interim : Not reported
Leak Cause: UNK
Leak Source: UNK
MTBE Date : 1/1/65 0:00
Max MTBE GW : 290 Parts per Billion
MTBE Tested: MTBE Detected. Site tested for MTBE & MTBE detected
Priority: Not reported
Local Case # : 0
Beneficial: Not reported
Staff : HDN
GW Qualifier : Not reported
Max MTBE Soil : Not reported
Soil Qualifier : Not reported
Hydr Basin #: SAN FERNANDO VALLEY
Operator : AFCO
Oversight Prgm: LUST
Review Date : 9/21/00 0:00
Stop Date : / /
Work Suspended :Not reported
Responsible Party:CHERYL A. MADDEN
RP Address: 2251 OHIO AVE.
Global Id: T0603701973
Org Name: Not reported
Contact Person: Not reported
MTBE Conc: Not reported
Mtbe Fuel: Not reported
Water System Name: Not reported
Well Name: Not reported

Confirm Leak: Not reported
Prelim Assess: 3/27/00 0:00
Remed Plan: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

MICOR ENERGY LLC (Continued)

EDR ID Number
EPA ID Number

Database(s)

S104406362

Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported

LUST Region 4:

Report Date: 01/07/2000
Lead Agency: Regional Board
Local Agency: 19060
Substance: Gasoline
Case Type: Groundwater
Status: Pollution Characterization
Region: 4
Staff: HDN

Date Case Last Changed on Database: 9/21/00
Date Leak Record Entered: Not reported
Historical Max MTBE Date: 1/1/65
GW Qualifier: Not reported
Soil Qualifier: Not reported
Hist Max MTBE Conc in Groundwater: 290
Hist Max MTBE Conc in Soil : Not reported
County: Los Angeles
Organization : Not reported
Regional Board: 4

Owner Contact: Not reported

Responsible Party: CHERYL A. MADDEN

RP Address: 2251 OHIO AVE.

Significant Interim Remedial Action Taken: Not reported

Program : LUST

Lat / Long : 34 / -118

Local Agency Staff: Not reported

Summary : 3/3/00 LIMITED SUBSURFACE INVESTIGATION; 3/22/00

ADD'L SOIL & GW INVESTIGATION

Hydrologic Basin # : SAN FERNANDO VALLEY

Beneficial Use : Not reported

Priority : Not reported

Cleanup Fund Id : Not reported

Suspended : Not reported

Local Case No : Not reported

Substance Quantity : 0

Abatement Method Used at the Site: Not reported

Operator : AFCO

Water System : Not reported

Well Name : Not reported

Approx. Dist To Production Well (ft) : 17150.55335

Assigned Name : Not reported

Source of Cleanup Funding: Not reported

Date the Leak was Discovered: 10/20/1999

How the Leak was Discovered: Subsurface Monitoring

How the Leak was Stopped: Not reported

Cause of Leak: UNK

Leak Source: UNK

Date The Leak was Stopped: Not reported

Date Confirmation Leak Began: Not reported

Preliminary Site Assessment Workplan Submitted: 3/7/00

Preliminary Site Assessment Began: 3/27/00

Pollution Characterization Began: 9/25/00

Remediation Plan Submitted: Not reported

Remedial Action Underway: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

MICOR ENERGY LLC (Continued)

EDR ID Number
EPA ID Number

S104406362

Post Remedial Action Monitoring Began: 1/7/00
Date the Case was Closed: Not reported
Enforcement Action Date: Not reported
Date Leak First Reported: 01/07/2000
Enforcement Type: LET
Global ID : T0603701973
Cross Street: FASHION AVE

CORTESE:

Region: CORTESE
Fac Address 2: 1234 COWLES ST W

**65
ENE
1/4-1/2
1589 ft.**

**R & M ENTERPRISES
1501 DAISY AVE
LONG BEACH, CA 90813**

**LUST
Cortese S102435591
N/A**

**Relative:
Higher**

State LUST:

**Actual:
13 ft.**

Cross Street: 015TH ST
Qty Leaked: 0
Case Number: 908130243
Reg Board: 4
Chemical: Gasoline
Lead Agency: Regional Board
Local Agency : 19060
Case Type: Other ground water affected
Status: Case Closed
Review Date: 6/30/95 0:00
Workplan: Not reported
Pollution Char: 6/5/96 0:00
Remed Action: 11/3/96 0:00
Monitoring: Not reported
Close Date: 11/6/96 0:00
Release Date: 07/06/1995
Cleanup Fund Id : Not reported
Discover Date : 03/11/1992
Enforcement Dt : Not reported
Enf Type: Not reported
Enter Date : 6/30/95 0:00
Funding: Not reported
Staff Initials: Not reported
How Discovered: Tank Closure
How Stopped: Not reported
Interim : Not reported
Leak Cause: Overfill
Leak Source: UNK
MTBE Date : Not reported
Max MTBE GW : Not reported
MTBE Tested: MTBE Detected. Site tested for MTBE & MTBE detected
Priority: Not reported
Local Case # : 0
Beneficial: Not reported
Staff : UNK
GW Qualifier : Not reported
Max MTBE Soil : Not reported
Soil Qualifier : Not reported
Hydr Basin #: SAN FERNANDO VALLEY
Operator : RICHARD WHITESELL
Oversight Prgm: LUST

Confirm Leak: 6/30/95 0:00
Prelim Assess: Not reported
Remed Plan: 6/5/96 0:00

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

R & M ENTERPRISES (Continued)

S102435591

Review Date : 4/30/97 0:00
Stop Date : 01/10/1989
Work Suspended : Not reported
Responsible Party: BLANK RP
RP Address: 1501 DAISY AVE LONG BEACH CA 90813
Global Id: T0603701938
Org Name: Not reported
Contact Person: Not reported
MTBE Conc: Not reported
Mtb Fuel: Not reported
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported

LUST Region 4:

Report Date: 07/06/1995
Lead Agency: Regional Board
Local Agency: 19060
Substance: Gasoline
Case Type: Groundwater
Status: Case Closed
Region: 4
Staff: UNK
Date Case Last Changed on Database: 4/30/97
Date Leak Record Entered: 6/30/95
Historical Max MTBE Date: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil : Not reported
County: Los Angeles
Organization : Not reported
Regional Board: 4
Owner Contact: Not reported
Responsible Party: BLANK RP
RP Address: 1501 DAISY AVE LONG BEACH CA 90813
Significant Interim Remedial Action Taken: Not reported
Program : LUST
Lat / Long : 34 / -118
Local Agency Staff: Not reported
Summary : DEPTH TO GRNWTR 13FT BGS. IN SOIL ABOVE WATER
TABLE HAVE: 15,000 MG/KG TPH, 830 MG/KG XYLENES:
IN SOIL BELOW WATER TABLE HAVE 220 TPH, 2.6
XYLENES.
SAN FERNANDO VALLEY
Hydrologic Basin # :
Beneficial Use : Not reported
Priority : Not reported
Cleanup Fund Id : Not reported
Suspended : Not reported
Local Case No : Not reported
Substance Quantity : 0
Abatement Method Used at the Site: Not reported
Operator : RICHARD WHITESELL
Water System : Not reported
Well Name : Not reported
Approx. Dist To Production Well (ft) : 15015.06559

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

R & M ENTERPRISES (Continued)

S102435591

Assigned Name : Not reported
Source of Cleanup Funding: Not reported
Date the Leak was Discovered: 03/11/1992
How the Leak was Discovered: Tank Closure
How the Leak was Stopped: Not reported
Cause of Leak: Overfill
Leak Source: UNK
Date The Leak was Stopped: 1/10/89
Date Confirmation Leak Began: 6/30/95
Preliminary Site Assessment Workplan Submitted: 4/30/96
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: Not reported
Remediation Plan Submitted: 6/5/96
Remedial Action Underway: 11/3/96
Post Remedial Action Monitoring Began: Not reported
Date the Case was Closed: 11/6/96
Enforcement Action Date: Not reported
Date Leak First Reported: 07/06/1995
Enforcement Type: Not reported
Global ID : T0603701938
Cross Street: 015TH ST

CORTESE:

Region: CORTESE
Fac Address 2: 1501 DAISY AVE

66
East
1/4-1/2
1606 ft.
HARBOR DIESEL & EQUIPMENT INC
0537 W ANAHEIM ST
LONG BEACH, CA 90813

HAZNET
LUST
Cortese
UST
U003660140
N/A

Relative:
Higher

State LUST:

Actual:
25 ft.

Cross Street: MAGNOLIA
Qty Leaked: 0
Case Number: 908130125
Reg Board: 4
Chemical: Diesel
Lead Agency: Regional Board
Local Agency : 19060
Case Type: Soil only
Status: Case Closed
Abate Method: Containment Barrier - install vertical dike to block horizontal movement of contaminant, Cap Site - install horizontal impermeable layer to reduce rainfall infiltration
Review Date: Not reported
Workplan: Not reported
Pollution Char: Not reported
Remed Action: Not reported
Monitoring: Not reported
Close Date: 11/23/87 0:00
Release Date: 08/22/1986
Cleanup Fund Id : Not reported
Discover Date : / /
Enforcement Dt : Not reported
Enf Type: Not reported
Enter Date : 9/9/87 0:00
Funding: Not reported
Staff Initials: Not reported
How Discovered: Not reported
Confirm Leak: Not reported
Prelim Assess: Not reported
Remed Plan: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

HARBOR DIESEL & EQUIPMENT INC (Continued)

U003660140

How Stopped: Not reported
Interim : Yes
Leak Cause: UNK
Leak Source: UNK
MTBE Date : Not reported
Max MTBE GW : Not reported
MTBE Tested: Not Required to be Tested.
Priority: Not reported
Local Case # : 0
Beneficial: Not reported
Staff : UNK
GW Qualifier : Not reported
Max MTBE Soil : Not reported
Soil Qualifier : Not reported
Hydr Basin #: SAN FERNANDO VALLEY
Operator : Not reported
Oversight Prgm: LUST
Review Date : 3/18/92 0:00
Stop Date : / /
Work Suspended :Not reported
Responsible Party:HARBOR DIESEL & EQUIP, INC
RP Address: 537 W ANAHEIM ST, LONG BEACH, CA 90813
Global Id: T0603701927
Org Name: Not reported
Contact Person: Not reported
MTBE Conc: Not reported
Mtbe Fuel: Not reported
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported

LUST Region 4:

Report Date: 08/22/1986
Lead Agency: Regional Board
Local Agency: 19060
Substance: Diesel
Case Type: Soil
Status: Case Closed
Region: 4
Staff: UNK
Date Case Last Changed on Database: 3/18/92
Date Leak Record Entered: 9/9/87
Historical Max MTBE Date: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil : Not reported
County: Los Angeles
Organization : Not reported
Regional Board: 4
Owner Contact: Not reported
Responsible Party: HARBOR DIESEL & EQUIP, INC
RP Address: 537 W ANAHEIM ST, LONG BEACH, CA 90813
Significant Interim Remedial Action Taken: Yes
Program : LUST
Lat / Long : 34 / -118

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

HARBOR DIESEL & EQUIPMENT INC (Continued)

U003660140

Local Agency Staff:	Not reported
Summary :	SIGNED OFF ON 11/23/87
Hydrologic Basin # :	SAN FERNANDO VALLEY
Beneficial Use :	Not reported
Priority :	Not reported
Cleanup Fund Id :	Not reported
Suspended :	Not reported
Local Case No :	Not reported
Substance Quantity :	0
Abatement Method Used at the Site:	CBCD
Operator :	Not reported
Water System :	Not reported
Well Name :	Not reported
Approx. Dist To Production Well (ft) :	15686.00195
Assigned Name :	Not reported
Source of Cleanup Funding:	Not reported
Date the Leak was Discovered:	/ /
How the Leak was Discovered:	Not reported
How the Leak was Stopped:	Not reported
Cause of Leak:	UNK
Leak Source:	UNK
Date The Leak was Stopped:	Not reported
Date Confirmation Leak Began:	Not reported
Preliminary Site Assessment Workplan Submitted:	Not reported
Preliminary Site Assessment Began:	Not reported
Pollution Characterization Began:	Not reported
Remediation Plan Submitted:	Not reported
Remedial Action Underway:	Not reported
Post Remedial Action Monitoring Began:	Not reported
Date the Case was Closed:	11/23/87
Enforcement Action Date:	Not reported
Date Leak First Reported:	08/22/1986
Enforcement Type:	Not reported
Global ID :	T0603701927
Cross Street:	MAGNOLIA

HAZNET:

Gepaid:	CAD054830187
TSD EPA ID:	CAT080033681
Gen County:	Los Angeles
Tsd County:	Los Angeles
Tons:	.4503
Waste Category:	Alkaline solution without metals (pH > 12.5)
Disposal Method:	Not reported
Contact:	Not reported
Telephone:	(000) 000-0000
Mailing Address:	PO BOX 21399
	LONG BEACH, CA 90801 - 4399
County	Los Angeles

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

HARBOR DIESEL & EQUIPMENT INC (Continued)

EDR ID Number
EPA ID Number

Database(s)

U003660140

Gepaid: CAD054830187
TSD EPA ID: CAT080013352
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 8.5485
Waste Category: Aqueous solution with 10% or more total organic residues
Disposal Method: Recycler
Contact: Not reported
Telephone: (000) 000-0000
Mailing Address: PO BOX 21399
LONG BEACH, CA 90801 - 4399
County: Los Angeles

Gepaid: CAD054830187
TSD EPA ID: CAT080013352
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 14.5950
Waste Category: Oil/water separation sludge
Disposal Method: Recycler
Contact: Not reported
Telephone: (000) 000-0000
Mailing Address: PO BOX 21399
LONG BEACH, CA 90801 - 4399
County: Los Angeles

Gepaid: CAD054830187
TSD EPA ID: CAD008252405
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 1.0842
Waste Category: Liquids with halogenated organic compounds > 1000 mg/l
Disposal Method: Recycler
Contact: Not reported
Telephone: (000) 000-0000
Mailing Address: PO BOX 21399
LONG BEACH, CA 90801 - 4399
County: Los Angeles

Gepaid: CAD054830187
TSD EPA ID: CAT080013352
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 1.0425
Waste Category: Waste oil and mixed oil
Disposal Method: Recycler
Contact: Not reported
Telephone: (000) 000-0000
Mailing Address: PO BOX 21399
LONG BEACH, CA 90801 - 4399
County: Los Angeles

The CA HAZNET database contains 24 additional records for this site.
For more information, please [click here](#) while viewing on your computer,
or contact your EDR Account Executive.

CORTESE:

Region: CORTESE

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

HARBOR DIESEL & EQUIPMENT INC (Continued)

EDR ID Number
EPA ID Number

Database(s)

U003660140

Fac Address 2: Not reported
UST Long Beach:
Total Tanks: 0T
Tank Test: Not reported
Region: LONG BEACH
Leak Test: Not reported

**67
WNW
1/4-1/2
1640 ft.**

**NEILL AIRCRAFT COMPANY
1260 W 15TH STREET
LONG BEACH, CA 90813**

**RCRIS-SQG
FINDS
HAZNET
LUST**

**1000287667
CAD982462657**

**Relative:
Lower**

RCRIS:
Owner: NOT REQUIRED
(415) 555-1212
EPA ID: CAD982462657
Contact: Not reported
Classification: Small Quantity Generator
TSDF Activities: Not reported
Violation Status: No violations found

**Actual:
11 ft.**

FINDS:

Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system (RCRAINFO)

State LUST:

Cross Street: 710 FWY
Qty Leaked: 0
Case Number: 908130543
Reg Board: 4
Chemical: Gasoline
Lead Agency: Regional Board
Local Agency: 19060
Case Type: Other ground water affected
Status: Pollution Characterization
Review Date: 7/18/97 0:00
Workplan: 12/19/97 0:00
Pollution Char: Not reported
Remed Action: Not reported
Monitoring: 7/18/97 0:00
Close Date: Not reported
Release Date: 07/18/1997
Cleanup Fund Id: Not reported
Discover Date: 01/01/1988
Enforcement Dt: 3/20/01 0:00
Enf Type: LET
Enter Date: 4/24/98 0:00
Funding: Not reported
Staff Initials: Not reported
How Discovered: Tank Closure
How Stopped: Not reported
Interim: Not reported
Leak Cause: Not reported
Leak Source: Not reported
MTBE Date: 1/1/65 0:00
Max MTBE GW: 110 Parts per Billion
MTBE Tested: MTBE Detected. Site tested for MTBE & MTBE detected
Priority: Not reported
Local Case #: 0

Confirm Leak: 7/18/97 0:00
Prelim Assess: 12/19/97 0:00
Remed Plan: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

NEILL AIRCRAFT COMPANY (Continued)

1000287667

Beneficial: Not reported
Staff : HDN
GW Qualifier : Not reported
Max MTBE Soil : Not reported
Soil Qualifier : Not reported
Hydr Basin #: SAN FERNANDO VALLEY
Operator : Not reported
Oversight Prgm: LUST
Review Date : 11/27/00 0:00
Stop Date : / /
Work Suspended :Not reported
Responsible PartyNEILL RAY
RP Address: 2525 GRAND AVE.
Global Id: T0603701965
Org Name: Not reported
Contact Person: Not reported
MTBE Conc: Not reported
Mtbe Fuel: Not reported
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported

LUST Region 4:

Report Date: 07/18/1997
Lead Agency: Regional Board
Local Agency: 19060
Substance: Gasoline
Case Type: Groundwater
Status: Pollution Characterization
Region: 4
Staff: HDN

Date Case Last Changed on Database: 11/27/00
Date Leak Record Entered: 4/24/98
Historical Max MTBE Date: 1/1/65
GW Qualifier: Not reported
Soil Qualifier: Not reported
Hist Max MTBE Conc in Groundwater: 110
Hist Max MTBE Conc in Soil : Not reported
County: Los Angeles
Organization : Not reported
Regional Board: 4

Owner Contact: Not reported
Responsible Party: NEILL RAY
RP Address: 2525 GRAND AVE.
Significant Interim Remedial Action Taken: Not reported
Program : LUST
Lat / Long : 34 / -118
Local Agency Staff: Not reported
Summary : 10/14/97 - WP FOR ADDITIONAL SOIL INVESTIGATION;
 03/02/98 - SITE INVESTIGATION REPORT; 06/19/98 -
 WP SOIL & GW INVESTIGATION WP; 07/16/98 - WP
 ADDENDUM-ADDL SOIL INVESTIGATION; 11/27/00 GW
 INVESTIGATION WP
Hydrologic Basin # : SAN FERNANDO VALLEY
Beneficial Use : Not reported
Priority : Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

NEILL AIRCRAFT COMPANY (Continued)

1000287667

Cleanup Fund Id :	Not reported
Suspended :	Not reported
Local Case No :	Not reported
Substance Quantity :	0
Abatement Method Used at the Site:	Not reported
Operator :	Not reported
Water System :	Not reported
Well Name :	Not reported
Approx. Dist To Production Well (ft) :	16828.55806
Assigned Name :	Not reported
Source of Cleanup Funding:	Not reported
Date the Leak was Discovered:	01/01/1988
How the Leak was Discovered:	Tank Closure
How the Leak was Stopped:	Not reported
Cause of Leak:	Not reported
Leak Source:	Not reported
Date The Leak was Stopped:	Not reported
Date Confirmation Leak Began:	7/18/97
Preliminary Site Assessment Workplan Submitted:	10/14/97
Preliminary Site Assessment Began:	12/19/97
Pollution Characterization Began:	7/29/98
Remediation Plan Submitted:	Not reported
Remedial Action Underway:	Not reported
Post Remedial Action Monitoring Began:	7/18/97
Date the Case was Closed:	Not reported
Enforcement Action Date:	3/20/01
Date Leak First Reported:	07/18/1997
Enforcement Type:	LET
Global ID :	T0603701965
Cross Street:	710 FWY

HAZNET:

Gepaid:	CAD982462657
TSD EPA ID:	CAD000088252
Gen County:	Los Angeles
Tsd County:	Los Angeles
Tons:	.0000
Waste Category:	
Disposal Method:	Transfer Station
Contact:	NEILL AIRCRAFT CO
Telephone:	(562) 432-7981
Mailing Address:	1260 W 15TH ST LONG BEACH, CA 90813 - 1302
County	Los Angeles
Gepaid:	CAD982462657
TSD EPA ID:	CAD000088252
Gen County:	Los Angeles
Tsd County:	Los Angeles
Tons:	6.5000
Waste Category:	Other organic solids
Disposal Method:	Transfer Station
Contact:	NEILL AIRCRAFT CO
Telephone:	(562) 432-7981
Mailing Address:	1260 W 15TH ST LONG BEACH, CA 90813 - 1302
County	Los Angeles

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

NEILL AIRCRAFT COMPANY (Continued)

EDR ID Number
EPA ID Number

Database(s)

1000287667

Gepaid: CAD982462657
TSD EPA ID: CAT080022148
Gen County: Los Angeles
Tsd County: San Bernardino
Tons: 6.9750
Waste Category: Other organic solids
Disposal Method: Transfer Station
Contact: NEILL AIRCRAFT CO
Telephone: (562) 432-7981
Mailing Address: 1260 W 15TH ST
LONG BEACH, CA 90813 - 1302
County Los Angeles

Gepaid: CAD982462657
TSD EPA ID: CAD097030993
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 3.5000
Waste Category: Other organic solids
Disposal Method: Disposal, Other
Contact: NEILL AIRCRAFT CO
Telephone: (562) 432-7981
Mailing Address: 1260 W 15TH ST
LONG BEACH, CA 90813 - 1302
County Los Angeles

Gepaid: CAD982462657
TSD EPA ID: CAD000088252
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 6.2500
Waste Category: Other organic solids
Disposal Method: Transfer Station
Contact: NEILL AIRCRAFT CO
Telephone: (562) 432-7981
Mailing Address: 1260 W 15TH ST
LONG BEACH, CA 90813 - 1302
County Los Angeles

The CA HAZNET database contains 7 additional records for this site.
For more information, please click [here](#) while viewing on your computer,
or contact your EDR Account Executive.

68
ENE
1/4-1/2
1820 ft.

DIAMOND U PRODUCTS, INC
1429 MAGNOLIA AVE
LONG BEACH, CA 90813

LUST S100273093
Cortese N/A

Relative:
Higher

State LUST:
Cross Street: Not reported
Qty Leaked: 0
Case Number: 013191-01
Reg Board: 4
Chemical: Hydrocarbons
Lead Agency: Regional Board
Local Agency: 19060
Case Type: Other ground water affected
Status: Case Closed

Actual:
17 ft.

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

DIAMOND U PRODUCTS, INC (Continued)

EDR ID Number
EPA ID Number

Database(s)

S100273093

Review Date: Not reported
Workplan: 1/28/91 0:00
Pollution Char: Not reported
Remed Action: Not reported
Monitoring: Not reported
Close Date: 9/27/96 0:00
Release Date: 01/18/1991
Cleanup Fund Id : Not reported
Discover Date : / /
Enforcement Dt : Not reported
Enf Type: Not reported
Enter Date : 1/31/91 0:00
Funding: Not reported
Staff Initials: Not reported
How Discovered: Not reported
How Stopped: Not reported
Interim : Not reported
Leak Cause: UNK
Leak Source: UNK
MTBE Date : Not reported
Max MTBE GW : Not reported
MTBE Tested: Not Required to be Tested.
Priority: Not reported
Local Case # : 0
Beneficial: Not reported
Staff : UNK
GW Qualifier : Not reported
Max MTBE Soil : Not reported
Soil Qualifier : Not reported
Hydr Basin #: SAN FERNANDO VALLEY
Operator : Not reported
Oversight Prgm: LUST
Review Date : 12/17/96 0:00
Stop Date : / /
Work Suspended :Not reported
Responsible PartyDIAMOND-U PRODUCTS, INC.
RP Address: 1429 MAGNOLIA AVE., LONG BEACH CA 90813
Global Id: T0603700054
Org Name: Not reported
Contact Person: Not reported
MTBE Conc: Not reported
Mtbe Fuel: Not reported
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported

LUST Region 4:

Report Date: 01/18/1991
Lead Agency: Regional Board
Local Agency: 19060
Substance: Hydrocarbons
Case Type: Groundwater
Status: Case Closed
Region: 4
Staff: UNK
Date Case Last Changed on Database: 12/17/96

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

DIAMOND U PRODUCTS, INC (Continued)

EDR ID Number
EPA ID Number

Database(s)

S100273093

Date Leak Record Entered:	1/31/91
Historical Max MTBE Date:	Not reported
GW Qualifier:	Not reported
Soil Qualifier:	Not reported
Hist Max MTBE Conc in Groundwater:	Not reported
Hist Max MTBE Conc in Soil :	Not reported
County:	Los Angeles
Organization :	Not reported
Regional Board:	4
Owner Contact:	Not reported
Responsible Party:	DIAMOND-U PRODUCTS, INC.
RP Address:	1429 MAGNOLIA AVE., LONG BEACH CA 90813
Significant Interim Remedial Action Taken:	Not reported
Program :	LUST
Lat / Long :	34 / -118
Local Agency Staff:	Not reported
Summary :	IF THIS IS A SOILS CASE, WHY GRNDWTR MONITORING?
Hydrologic Basin # :	SAN FERNANDO VALLEY
Beneficial Use :	Not reported
Priority :	Not reported
Cleanup Fund Id :	Not reported
Suspended :	Not reported
Local Case No :	Not reported
Substance Quantity :	0
Abatement Method Used at the Site:	Not reported
Operator :	Not reported
Water System :	Not reported
Well Name :	Not reported
Approx. Dist To Production Well (ft) :	15008.33826
Assigned Name :	Not reported
Source of Cleanup Funding:	Not reported
Date the Leak was Discovered:	/ /
How the Leak was Discovered:	Not reported
How the Leak was Stopped:	Not reported
Cause of Leak:	UNK
Leak Source:	UNK
Date The Leak was Stopped:	Not reported
Date Confirmation Leak Began:	Not reported
Preliminary Site Assessment Workplan Submitted:	Not reported
Preliminary Site Assessment Began:	1/28/91
Pollution Characterization Began:	Not reported
Remediation Plan Submitted:	Not reported
Remedial Action Underway:	Not reported
Post Remedial Action Monitoring Began:	Not reported
Date the Case was Closed:	9/27/96
Enforcement Action Date:	Not reported
Date Leak First Reported:	01/18/1991
Enforcement Type:	Not reported
Global ID :	T0603700054
Cross Street:	Not reported

CORTESE:

Region:	CORTESE
Fac Address 2:	1429 MAGNOLIA AVE

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

P69
WSW
1/4-1/2
1941 ft.

GEROGE MITCHEL
1326 012TH
LONG BEACH, CA 90813

LUST
Cortese
S101296838
N/A

Site 1 of 3 in cluster P

Relative:
Lower

State LUST:

Actual:
8 ft.

Cross Street:	Not reported	
Qty Leaked:	0	
Case Number	908130043	
Reg Board:	4	
Chemical:	Gasoline	
Lead Agency:	Regional Board	
Local Agency :	19060	
Case Type:	Soil only	
Status:	Pollution Characterization	
Review Date:	Not reported	Confirm Leak: Not reported
Workplan:	7/20/99 0:00	Prelim Assess: 7/20/99 0:00
Pollution Char:	Not reported	Remed Plan: Not reported
Remed Action:	Not reported	
Monitoring:	11/1/84 0:00	
Close Date:	Not reported	
Release Date:	11/01/1984	
Cleanup Fund Id :	Not reported	
Discover Date :	11/01/1984	
Enforcement Dt :	Not reported	
Enf Type:	DLSEL	
Enter Date :	12/31/86 0:00	
Funding:	Not reported	
Staff Initials:	Not reported	
How Discovered:	Not reported	
How Stopped:	Not reported	
Interim :	Yes	
Leak Cause:	UNK	
Leak Source:	UNK	
MTBE Date :	Not reported	
Max MTBE GW :	Not reported	
MTBE Tested:	Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.	
Priority:	Not reported	
Local Case # :	0	
Beneficial:	Not reported	
Staff :	HDN	
GW Qualifier :	Not reported	
Max MTBE Soil :	Not reported	
Soil Qualifier :	Not reported	
Hydr Basin #:	SAN FERNANDO VALLEY	
Operator :	Not reported	
Oversight Prgm:	LUST	
Review Date :	10/30/00 0:00	
Stop Date :	11/01/1984	
Work Suspended :	Not reported	
Responsible Party	BRUCE HARRISON	
RP Address:	1842 E. 29TH ST.	
Global Id:	T0603701919	
Org Name:	Not reported	
Contact Person:	Not reported	
MTBE Conc:	Not reported	
Mtbe Fuel:	Not reported	
Water System Name:	Not reported	

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

GEROGE MITCHEL (Continued)

S101296838

Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported

LUST Region 4:

Report Date: 11/01/1984
Lead Agency: Regional Board
Local Agency: 19060
Substance: Gasoline
Case Type: Soil
Status: Pollution Characterization
Region: 4
Staff: HDN

Date Case Last Changed on Database: 10/30/00
Date Leak Record Entered: 12/31/86
Historical Max MTBE Date: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil : Not reported
County: Los Angeles
Organization : Not reported
Regional Board: 4

Owner Contact: Not reported

Responsible Party: BRUCE HARRISON

RP Address: 1842 E. 29TH ST.

Significant Interim Remedial Action Taken: Yes

Program : LUST

Lat / Long : 34 / -118

Local Agency Staff: Not reported

Summary : INITIALLY ASSIGNED TO ANS. TWO GASOLINE TANKS
REMOVED. MITCHELL REFUSES TO CONDUCT A SITE
ASSESSMENT.; 2/26/99 SUBSURFACE SITE ASSESSMENT
SOIL & GW SAMPLING
SAN FERNANDO VALLEY

Hydrologic Basin # :

Beneficial Use : Not reported

Priority : Not reported

Cleanup Fund Id : Not reported

Suspended : Not reported

Local Case No : Not reported

Substance Quantity : 0

Abatement Method Used at the Site: Not reported

Operator : Not reported

Water System : Not reported

Well Name : Not reported

Approx. Dist To Production Well (ft) : 18073.64913

Assigned Name : Not reported

Source of Cleanup Funding: Not reported

Date the Leak was Discovered: 11/01/1984

How the Leak was Discovered: Not reported

How the Leak was Stopped: Not reported

Cause of Leak: UNK

Leak Source: UNK

Date The Leak was Stopped: 11/1/84

Date Confirmation Leak Began: Not reported

Preliminary Site Assessment Workplan Submitted: 7/9/98

Preliminary Site Assessment Began: 7/20/99

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

GEROGE MITCHEL (Continued)

EDR ID Number
EPA ID Number

S101296838

Pollution Characterization Began: 11/5/03
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: 11/1/84
Date the Case was Closed: Not reported
Enforcement Action Date: Not reported
Date Leak First Reported: 11/01/1984
Enforcement Type: DLSEL
Global ID : T0603701919
Cross Street: Not reported

CORTESE:

Region: CORTESE
Fac Address 2: Not reported

**P70
WSW
1/4-1/2
1989 ft.**

**GOODYEAR
1350 12TH
LONG BEACH, CA 90813**

**Cortese S105024546
N/A**

Site 2 of 3 in cluster P

**Relative:
Lower**

CORTESE:
Region: CORTESE
Fac Address 2: Not reported

**Actual:
8 ft.**

**P71
WSW
1/4-1/2
1989 ft.**

**STAPLETON TECHNOLOGIES INC
1350 W 12TH ST
LONG BEACH, CA 90813**

**RCRIS-SQG 1000348220
FINDS CAD980885800
CA WDS
EMI**

Site 3 of 3 in cluster P

**Relative:
Lower**

RCRIS:
Owner: NOT REQUIRED
(415) 555-1212
EPA ID: CAD980885800
Contact: Not reported
Classification: Small Quantity Generator
TSDF Activities: Not reported
Violation Status: No violations found

**Actual:
8 ft.**

FINDS:

Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system (RCRAINFO)

WDS:

Facility ID: 4 19I012519
Facility Contact: Not reported
SIC Code: Not reported
Agency Name: STAPLETON TECHNOLOGIES INC
Agency Address: 0
Agency Contact: Not reported
Design Flow: Not reported
Facility Type: Not reported
Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
Agency Type: Not reported
Waste Type: Not reported

Facility Telephone: 0
SIC Code 2: Not reported

Agency Phone: 0
Baseline Flow: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

STAPLETON TECHNOLOGIES INC (Continued)

1000348220

Threat to Water: Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.

Complexity: Category C - Facilities having no waste treatment systems, such as cooling water dischargers or those who must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

Reclamation: Not reported
POTW: Not reported
NPDES Number: CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion: 4

EMISSIONS :

Facility ID : 2471
Air District Code : SC
SIC Code : 2899
Total Priority Score : Not reported
Health Risk Assessment : Not reported
Non-cancer Chronic Haz Index : Not reported
Non-cancer Acute Haz Index : Not reported
Air Basin : SC
Air District Name : SOUTH COAST AQMD
Community Health Air Pollution Info System : Not reported
Consolidated Emission Reporting Rule : Not reported
County Code : 19
County ID : 19

72
NW
1/4-1/2
2012 ft.

LA CO., SANITATION DIST, LB PU
1238 W 16TH ST
LONG BEACH, CA 90813

FINDS 1006824396
EMI 110013829866

Relative:
Equal

FINDS:
Other Pertinent Environmental Activity Identified at Site:
National Emissions Inventory (NEI)

Actual:
12 ft.

EMISSIONS :

Facility ID : 6906
Air District Code : SC
SIC Code : 4952
Total Priority Score : Not reported
Health Risk Assessment : Not reported
Non-cancer Chronic Haz Index : Not reported
Non-cancer Acute Haz Index : Not reported
Air Basin : SC
Air District Name : SOUTH COAST AQMD
Community Health Air Pollution Info System : Not reported
Consolidated Emission Reporting Rule : Not reported
County Code : 19
County ID : 19

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

73
NE
1/4-1/2
2074 ft.

ASSOCIATED BREWERS DIST
615 017TH
LONG BEACH, CA 90813

LUST
Cortese

S102424693
N/A

Relative:
Higher

State LUST:

Actual:
13 ft.

Cross Street: MAGNOLIA AVE
Qty Leaked: 0
Case Number: 908130461
Reg Board: 4
Chemical: Hydrocarbons
Lead Agency: Regional Board
Local Agency : 19060
Case Type: Other ground water affected
Status: Case Closed
Review Date: Not reported
Workplan: Not reported
Pollution Char: Not reported
Remed Action: Not reported
Monitoring: Not reported
Close Date: 4/30/99 0:00
Release Date: 10/19/1989
Cleanup Fund Id : Not reported
Discover Date : 10/19/1989
Enforcement Dt : Not reported
Enf Type: Not reported
Enter Date : 9/23/96 0:00
Funding: Not reported
Staff Initials: Not reported
How Discovered: Subsurface Monitoring
How Stopped: Not reported
Interim : Not reported
Leak Cause: Not reported
Leak Source: Not reported
MTBE Date : 1/1/65 0:00
Max MTBE GW : 25 Parts per Billion
MTBE Tested: MTBE Detected. Site tested for MTBE & MTBE detected
Priority: 1C1
Local Case # : 0
Beneficial: Not reported
Staff : DK
GW Qualifier : Not reported
Max MTBE Soil : Not reported
Soil Qualifier : Not reported
Hydr Basin #: SAN FERNANDO VALLEY
Operator : Not reported
Oversight Prgm: LUST
Review Date : 6/28/99 0:00
Stop Date : 10/19/1989
Work Suspended :Not reported
Responsible PartyASSOCIATED BREWERS DIST. CO
RP Address: P.O. BOX 11238, MARINA DEL REY CA 90295
Global Id: T0603701957
Org Name: Not reported
Contact Person: Not reported
MTBE Conc: Not reported
Mtbe Fuel: Not reported
Water System Name: Not reported
Well Name: Not reported

Confirm Leak: Not reported
Prelim Assess: Not reported
Remed Plan: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

ASSOCIATED BREWERS DIST (Continued)

S102424693

Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported

LUST Region 4:

Report Date: 10/19/1989
Lead Agency: Regional Board
Local Agency: 19060
Substance: Hydrocarbons
Case Type: Groundwater
Status: Case Closed
Region: 4
Staff: DK

Date Case Last Changed on Database: 6/28/99
Date Leak Record Entered: 9/23/96
Historical Max MTBE Date: 1/1/65
GW Qualifier: Not reported
Soil Qualifier: Not reported
Hist Max MTBE Conc in Groundwater: 25
Hist Max MTBE Conc in Soil : Not reported
County: Los Angeles
Organization : Not reported
Regional Board: 4

Owner Contact: Not reported

Responsible Party:

RP Address:

Significant Interim Remedial Action Taken:

Program :

Lat / Long :

Local Agency Staff:

Summary :

ASSOCIATED BREWERS DIST. CO
P.O. BOX 11238, MARINA DEL REY CA 90295

Not reported

LUST

34 / -118

Not reported

05/01/97 - WORK PLAN FOR ADD'L SITE ASSESSMENT;
01/30/98 - STATUS RPT FOR 4TH QTR 1997; 05/14/98
- STATUS RPT FOR 1ST QTR 1998 & REQUEST FOR
CLOSURE; 6/28/99 WELL DESTRUCTION

SAN FERNANDO VALLEY

Not reported

1C1

Not reported

Not reported

Not reported

0

Abatement Method Used at the Site:

Not reported

Operator :

Not reported

Water System :

Not reported

Well Name :

Not reported

Approx. Dist To Production Well (ft) :

14465.8393

Assigned Name :

Not reported

Source of Cleanup Funding:

Not reported

Date the Leak was Discovered:

10/19/1989

How the Leak was Discovered:

Subsurface Monitoring

How the Leak was Stopped:

Not reported

Cause of Leak:

Not reported

Leak Source:

Not reported

Date The Leak was Stopped:

10/19/89

Date Confirmation Leak Began:

Not reported

Preliminary Site Assessment Workplan Submitted: 2/14/90

Preliminary Site Assessment Began:

Not reported

Pollution Characterization Began:

11/20/97

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ASSOCIATED BREWERS DIST (Continued)

S102424693

Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Date the Case was Closed: 4/30/99
Enforcement Action Date: Not reported
Date Leak First Reported: 10/19/1989
Enforcement Type: Not reported
Global ID : T0603701957
Cross Street: MAGNOLIA AVE

CORTESE:
Region: CORTESE
Fac Address 2: Not reported

74
NW
1/4-1/2
2170 ft.

ACME OIL CO (MCMULLEN OIL
1305 016TH
LONG BEACH, CA 90813

Cortese **S104159966**
N/A

Relative: CORTESE:
Lower Region: CORTESE
Fac Address 2: Not reported
Actual:
11 ft.

Q75
South
1/4-1/2
2178 ft.

BULK TERMINAL
960 DE FOREST AVE
LONG BEACH, CA 90813

LUST **S101296712**
Cortese **N/A**
CA SLIC

Relative: Site 1 of 2 in cluster Q
Higher State LUST:
Actual: Cross Street: Not reported
13 ft. Qty Leaked: 0
Case Number 908130061
Reg Board: 4
Chemical: Solvents
Lead Agency: Regional Board
Local Agency : 19060
Case Type: Other ground water affected
Status: Pollution Characterization
Review Date: Not reported
Workplan: Not reported
Pollution Char: Not reported
Remed Action: Not reported
Monitoring: Not reported
Close Date: Not reported
Release Date: 10/31/1984
Cleanup Fund Id : Not reported
Discover Date : / /
Enforcement Dt : Not reported
Enf Type: Not reported
Enter Date : 12/31/86 0:00
Funding: Not reported
Staff Initials: Not reported
How Discovered: Not reported
How Stopped: Not reported
Interim : Not reported

Confirm Leak: Not reported
Prelim Assess: Not reported
Remed Plan: Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s)
 EDR ID Number
 EPA ID Number

BULK TERMINAL (Continued)

S101296712

Leak Cause: UNK
 Leak Source: UNK
 MTBE Date : Not reported
 Max MTBE GW : Not reported
 MTBE Tested: Not Required to be Tested.
 Priority: Not reported
 Local Case # : 0
 Beneficial: Not reported
 Staff : SLC
 GW Qualifier : Not reported
 Max MTBE Soil : Not reported
 Soil Qualifier : Not reported
 Hydr Basin #: SAN FERNANDO VALLEY
 Operator : Not reported
 Oversight Prgm: Spills, Leaks, Investigations and Cleanup UST
 Review Date : 3/26/01 0:00
 Stop Date : / /
 Work Suspended :Not reported
 Responsible Party:BLANK RP
 RP Address: Not reported
 Global Id: T0603701921
 Org Name: Not reported
 Contact Person: Not reported
 MTBE Conc: Not reported
 Mtb Fuel: Not reported
 Water System Name: Not reported
 Well Name: Not reported
 Distance To Lust: 0
 Waste Discharge Global ID: Not reported
 Waste Disch Assigned Name: Not reported

LUST Region 4:

Report Date: 10/31/1984
 Lead Agency: Regional Board
 Local Agency: 19060
 Substance: Solvents
 Case Type: Groundwater
 Status: Pollution Characterization
 Region: 4
 Staff: SLC
 Date Case Last Changed on Database: 3/26/01
 Date Leak Record Entered: 12/31/86
 Historical Max MTBE Date: Not reported
 GW Qualifier: Not reported
 Soil Qualifier: Not reported
 Hist Max MTBE Conc in Groundwater: Not reported
 Hist Max MTBE Conc in Soil : Not reported
 County: Los Angeles
 Organization : Not reported
 Regional Board: 4
 Owner Contact: Not reported
 Responsible Party: BLANK RP
 RP Address: Not reported
 Significant Interim Remedial Action Taken: Not reported
 Program : SLIC
 Lat / Long : 34 / -118
 Local Agency Staff: Not reported
 Summary : ON MONITORING PROGRAM. REFER TO SLIC #681

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

BULK TERMINAL (Continued)

S101296712

Hydrologic Basin # : SAN FERNANDO VALLEY
Beneficial Use : Not reported
Priority : Not reported
Cleanup Fund Id : Not reported
Suspended : Not reported
Local Case No : Not reported
Substance Quantity : 0
Abatement Method Used at the Site: Not reported
Operator : Not reported
Water System : Not reported
Well Name : Not reported
Approx. Dist To Production Well (ft) : 17849.96189
Assigned Name : Not reported
Source of Cleanup Funding: Not reported
Date the Leak was Discovered: / /
How the Leak was Discovered: Not reported
How the Leak was Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Date The Leak was Stopped: Not reported
Date Confirmation Leak Began: Not reported
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: 3/31/88
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Date the Case was Closed: Not reported
Enforcement Action Date: Not reported
Date Leak First Reported: 10/31/1984
Enforcement Type: Not reported
Global ID : T0603701921
Cross Street: Not reported

CORTESE:

Region: CORTESE
Fac Address 2: 960 DE FOREST AVE

SLIC Region 4:

Facility Status: Site Assessment
Region: 4
SLIC: 0681
Staff: AH
Substance: VOCs

Q76
South
1/4-1/2
2202 ft.

SANTA FE PACIFIC PIPELINE
DE FOREST AVE
LONG BEACH, CA 90813

LUST **S102436446**
Cortese **N/A**

Site 2 of 2 in cluster Q

Relative:
Equal

State LUST:

Actual:
12 ft.

Cross Street: 060TH ST.
Qty Leaked: 0
Case Number: 123091-41
Reg Board: 4
Chemical: Gasoline
Lead Agency: Local Agency
Local Agency : 19060
Case Type: Soil only

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

EDR ID Number
 EPA ID Number
 Database(s)

SANTA FE PACIFIC PIPELINE (Continued)

S102436446

Status:	Preliminary site assessment underway	Confirm Leak:	Not reported
Review Date:	Not reported	Prelim Assess:	11/15/91 0:00
Workplan:	11/15/91 0:00	Remed Plan:	Not reported
Pollution Char:	Not reported		
Remed Action:	Not reported		
Monitoring:	Not reported		
Close Date:	Not reported		
Release Date:	11/15/1991		
Cleanup Fund Id :	Not reported		
Discover Date :	10/28/1991		
Enforcement Dt :	Not reported		
Enf Type:	Not reported		
Enter Date :	12/20/91 0:00		
Funding:	Not reported		
Staff Initials:	Not reported		
How Discovered:	OM		
How Stopped:	Not reported		
Interim :	Not reported		
Leak Cause:	Other Cause		
Leak Source:	Piping		
MTBE Date :	Not reported		
Max MTBE GW :	Not reported		
MTBE Tested:	Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.		
Priority:	Not reported		
Local Case # :	0		
Beneficial:	Not reported		
Staff :	UNK		
GW Qualifier :	Not reported		
Max MTBE Soil :	Not reported		
Soil Qualifier :	Not reported		
Hydr Basin #:	SAN FERNANDO VALLEY		
Operator :	Not reported		
Oversight Prgm:	LUST		
Review Date :	12/5/91 0:00		
Stop Date :	10/28/1991		
Work Suspended :	Not reported		
Responsible Party	SANTA FE PACIFIC PIPELINE INC.		
RP Address:	888 S. FIGUEROA ST., LOS ANGELES, 90017		
Global Id:	T0603700221		
Org Name:	Not reported		
Contact Person:	Not reported		
MTBE Conc:	Not reported		
Mtbe Fuel:	Not reported		
Water System Name:	Not reported		
Well Name:	Not reported		
Distance To Lust:	0		
Waste Discharge Global ID:	Not reported		
Waste Disch Assigned Name:	Not reported		

LUST Region 4:

Report Date:	11/15/1991
Lead Agency:	Local Agency
Local Agency:	19060
Substance:	Gasoline
Case Type:	Soil
Status:	Preliminary site assessment underway
Region:	4
Staff:	UNK

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

SANTA FE PACIFIC PIPELINE (Continued)

S102436446

Date Case Last Changed on Database: 12/5/91
Date Leak Record Entered: 12/20/91
Historical Max MTBE Date: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil : Not reported
County: Los Angeles
Organization : Not reported
Regional Board: 4
Owner Contact: Not reported
Responsible Party: SANTA FE PACIFIC PIPELINE INC.
RP Address: 888 S. FIGUEROA ST., LOS ANGELES, 90017
Significant Interim Remedial Action Taken: Not reported
Program : LUST
Lat / Long : 34 / -118
Local Agency Staff: Not reported
Summary : Not reported
Hydrologic Basin # : SAN FERNANDO VALLEY
Beneficial Use : Not reported
Priority : Not reported
Cleanup Fund Id : Not reported
Suspended : Not reported
Local Case No : Not reported
Substance Quantity : 0
Abatement Method Used at the Site: Not reported
Operator : Not reported
Water System : Not reported
Well Name : Not reported
Approx. Dist To Production Well (ft) : 13320.55517
Assigned Name : Not reported
Source of Cleanup Funding: Not reported
Date the Leak was Discovered: 10/28/1991
How the Leak was Discovered: OM
How the Leak was Stopped: Not reported
Cause of Leak: Other Causes
Leak Source: Piping
Date The Leak was Stopped: 10/28/91
Date Confirmation Leak Began: Not reported
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: 11/15/91
Pollution Characterization Began: Not reported
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Date the Case was Closed: Not reported
Enforcement Action Date: Not reported
Date Leak First Reported: 11/15/1991
Enforcement Type: Not reported
Global ID : T0603700221
Cross Street: 060TH ST.

CORTESE:

Region: CORTESE
Fac Address 2: DE FOREST AVE

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

77
SW
1/4-1/2
2205 ft.

LOMITA GASOLINE COMPANY INC
1348 WEST 9TH STREET
LONG BEACH, CA 90813

HAZNET
EMI

S103628883
N/A

Relative:
Higher

HAZNET:

Actual:
14 ft.

Gepaid: CAT080014186
TSD EPA ID: CAD980675276
Gen County: Los Angeles
Tsd County: Kern
Tons: 53.8900
Waste Category: Sulfur sludge
Disposal Method: Disposal, Land Fill
Contact: TIDELANDS OIL PRODUCTION CO
Telephone: (562) 436-9918
Mailing Address: 1348 WEST 9TH ST
LONG BEACH, CA 90813
County: Los Angeles

Gepaid: CAT080014186
TSD EPA ID: CAT080033681
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 63.3840
Waste Category: Alkaline solution without metals (pH > 12.5)
Disposal Method: Recycler
Contact: TIDELANDS OIL PRODUCTION CO
Telephone: (562) 436-9918
Mailing Address: 1348 WEST 9TH ST
LONG BEACH, CA 90813
County: Los Angeles

Gepaid: CAT080014186
TSD EPA ID: AZC951206114
Gen County: Los Angeles
Tsd County: 99
Tons: 29.4980
Waste Category: Asbestos-containing waste
Disposal Method: Disposal, Land Fill
Contact: TIDELANDS OIL PRODUCTION CO
Telephone: (562) 436-9918
Mailing Address: 1348 WEST 9TH ST
LONG BEACH, CA 90813
County: Los Angeles

Gepaid: CAT080014186
TSD EPA ID: AZD049318009
Gen County: Los Angeles
Tsd County: 99
Tons: 1.5000
Waste Category: Transfer Station
Disposal Method: Transfer Station
Contact: TIDELANDS OIL PRODUCTION CO
Telephone: (562) 436-9918
Mailing Address: 1348 WEST 9TH ST
LONG BEACH, CA 90813
County: Los Angeles

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

LOMITA GASOLINE COMPANY INC (Continued)

EDR ID Number
EPA ID Number

Database(s)

S103628883

Gepaid: CAT080014186
TSD EPA ID: CAD980675276
Gen County: Los Angeles
Tsd County: Kern
Tons: 94.3936
Waste Category: Sulfur sludge
Disposal Method: Disposal, Land Fill
Contact: TIDELANDS OIL PRODUCTION CO
Telephone: (562) 436-9918
Mailing Address: 1348 WEST 9TH ST
LONG BEACH, CA 90813
County: Los Angeles

The CA HAZNET database contains 37 additional records for this site.
For more information, please click [here](#) while viewing on your computer,
or contact your EDR Account Executive.

EMISSIONS :

Facility ID : 95524
Air District Code : SC
SIC Code : 4925
Total Priority Score : Not reported
Health Risk Assessment : Not reported
Non-cancer Chronic Haz Index : Not reported
Non-cancer Acute Haz Index : Not reported
Air Basin : SC
Air District Name : SOUTH COAST AQMD
Community Health Air Pollution Info System : Y
Consolidated Emission Reporting Rule : B
County Code : 19
County ID : 19

Facility ID : 17285
Air District Code : SC
SIC Code : 4925
Total Priority Score : Not reported
Health Risk Assessment : Not reported
Non-cancer Chronic Haz Index : Not reported
Non-cancer Acute Haz Index : Not reported
Air Basin : SC
Air District Name : SOUTH COAST AQMD
Community Health Air Pollution Info System : Not reported
Consolidated Emission Reporting Rule : Not reported
County Code : 19
County ID : 19

78
NW
1/4-1/2
2228 ft.

ACME OIL CO (MCMULLEN OIL)
1651 FASHION AVE.
LONG BEACH, CA 90813

LUST S105692352
N/A

Relative:
Lower

State LUST:
Cross Street: PCH
Qty Leaked: 0
Case Number: 908130189
Reg Board: 4
Chemical: Gasoline
Lead Agency: Regional Board

Actual:
11 ft.

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

ACME OIL CO (MCMULLEN OIL) (Continued)

S105692352

Local Agency : 19060
Case Type: Other ground water affected
Status: Preliminary site assessment underway
Review Date: Not reported Confirm Leak: Not reported
Workplan: 3/19/03 0:00 Prelim Assess: 3/19/03 0:00
Pollution Char: Not reported Remed Plan: Not reported
Remed Action: Not reported
Monitoring: 4/26/85 0:00
Close Date: Not reported
Release Date: 04/26/1985
Cleanup Fund Id : Not reported
Discover Date : / /
Enforcement Dt : 9/29/00 0:00
Enf Type: LET
Enter Date : 6/17/88 0:00
Funding: Not reported
Staff Initials: Not reported
How Discovered: Not reported
How Stopped: Not reported
Interim : Not reported
Leak Cause: Not reported
Leak Source: Not reported
MTBE Date : 2/25/03 0:00
Max MTBE GW : 203 Parts per Billion
MTBE Tested: MTBE Detected. Site tested for MTBE & MTBE detected
Priority: Not reported
Local Case # : 0
Beneficial: Not reported
Staff : HSP
GW Qualifier : =
Max MTBE Soil : 0 Parts per Million
Soil Qualifier : ND
Hydr Basin #: SAN FERNANDO VALLEY
Operator : Not reported
Oversight Prgm: LUST
Review Date : 7/9/02 0:00
Stop Date : / /
Work Suspended :Not reported
Responsible Party:ANDREW HOPWOOD
RP Address: PO BOX 3149
Global Id: T0603701931
Org Name: Not reported
Contact Person: Not reported
MTBE Conc: Not reported
Mtbe Fuel: Not reported
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported

LUST Region 4:

Report Date: 04/26/1985
Lead Agency: Regional Board
Local Agency: 19060
Substance: Gasoline
Case Type: Groundwater
Status: Preliminary site assessment underway

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

ACME OIL CO (MCMULLEN OIL) (Continued)

S105692352

Region: 4
Staff: HSP
Date Case Last Changed on Database: 7/9/02
Date Leak Record Entered: 6/17/88
Historical Max MTBE Date: 2/25/03
GW Qualifier: =
Soil Qualifier: ND
Hist Max MTBE Conc in Groundwater: 203
Hist Max MTBE Conc in Soil : 0
County: Los Angeles
Organization : Not reported
Regional Board: 4
Owner Contact: Not reported
Responsible Party: ANDREW HOPWOOD
RP Address: PO BOX 3149
Significant Interim Remedial Action Taken: Not reported
Program : LUST
Lat / Long : 34 / -118
Local Agency Staff: Not reported
Summary : Not reported
Hydrologic Basin # : SAN FERNANDO VALLEY
Beneficial Use : Not reported
Priority : Not reported
Cleanup Fund Id : Not reported
Suspended : Not reported
Local Case No : Not reported
Substance Quantity : 0
Abatement Method Used at the Site: Not reported
Operator : Not reported
Water System : Not reported
Well Name : Not reported
Approx. Dist To Production Well (ft) : 16162.19457
Assigned Name : Not reported
Source of Cleanup Funding: Not reported
Date the Leak was Discovered: / /
How the Leak was Discovered: Not reported
How the Leak was Stopped: Not reported
Cause of Leak: Not reported
Leak Source: Not reported
Date The Leak was Stopped: Not reported
Date Confirmation Leak Began: Not reported
Preliminary Site Assessment Workplan Submitted: 7/18/02
Preliminary Site Assessment Began: 3/19/03
Pollution Characterization Began: 4/10/85
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: 4/26/85
Date the Case was Closed: Not reported
Enforcement Action Date: 9/29/00
Date Leak First Reported: 04/26/1985
Enforcement Type: LET
Global ID : T0603701931
Cross Street: PCH

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

79
WSW
1/4-1/2
2312 ft.

RUSSELL TRUCK COMPANY
1430 011TH ST W
LONG BEACH, CA 90813

LUST
Cortese
S101296837
N/A

Relative:
Lower

State LUST:

Actual:
8 ft.

Cross Street: SANTA FE
Qty Leaked: 0
Case Number: 908130098
Reg Board: 4
Chemical: Gasoline
Lead Agency: Regional Board
Local Agency : 19060
Case Type: Other ground water affected
Status: Case Closed
Abate Method: Remove Free Product - remove floating product from water table
Review Date: Not reported
Workplan: Not reported
Pollution Char: Not reported
Remed Action: 1/7/88 0:00
Monitoring: Not reported
Close Date: 9/13/96 0:00
Release Date: 04/18/1986
Cleanup Fund Id : Not reported
Discover Date : / /
Enforcement Dt : Not reported
Enf Type: Not reported
Enter Date : 12/31/86 0:00
Funding: Not reported
Staff Initials: Not reported
How Discovered: Not reported
How Stopped: Not reported
Interim : Yes
Leak Cause: UNK
Leak Source: Tank
MTBE Date : Not reported
Max MTBE GW : Not reported
MTBE Tested: Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.
Priority: Not reported
Local Case # : 0
Beneficial: Not reported
Staff : UNK
GW Qualifier : Not reported
Max MTBE Soil : Not reported
Soil Qualifier : Not reported
Hydr Basin #: SAN FERNANDO VALLEY
Operator : Not reported
Oversight Prgm: LUST
Review Date : 3/22/92 0:00
Stop Date : / /
Work Suspended :Not reported
Responsible Party:RUSSELL ENTERPRISES
RP Address: P.O. BOX 91135, CITY OF COMMERCE CA 90091
Global Id: T0603701924
Org Name: Not reported
Contact Person: Not reported
MTBE Conc: Not reported
Mtbe Fuel: Not reported
Water System Name: Not reported

Confirm Leak: Not reported
Prelim Assess: Not reported
Remed Plan: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

RUSSELL TRUCK COMPANY (Continued)

EDR ID Number
EPA ID Number

Database(s)

S101296837

Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported

LUST Region 4:

Report Date: 04/18/1986
Lead Agency: Regional Board
Local Agency: 19060
Substance: Gasoline
Case Type: Groundwater
Status: Case Closed
Region: 4
Staff: UNK

Date Case Last Changed on Database: 3/22/92
Date Leak Record Entered: 12/31/86
Historical Max MTBE Date: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil : Not reported
County: Los Angeles
Organization : Not reported
Regional Board: 4

Owner Contact: Not reported

Responsible Party: RUSSELL ENTERPRISES
RP Address: P.O. BOX 91135, CITY OF COMMERCE CA 90091

Significant Interim Remedial Action Taken: Yes

Program : LUST

Lat / Long : 34 / -118

Local Agency Staff: Not reported

Summary : SOIL CONTAMINATION REMOVAL COMPLETE. GROUNDWATER NOT YET COMPLETED

Hydrologic Basin # : SAN FERNANDO VALLEY

Beneficial Use : Not reported

Priority : Not reported

Cleanup Fund Id : Not reported

Suspended : Not reported

Local Case No : Not reported

Substance Quantity : 0

Abatement Method Used at the Site: Remove Free Product

Operator : Not reported

Water System : Not reported

Well Name : Not reported

Approx. Dist To Production Well (ft) : 18135.36294

Assigned Name : Not reported

Source of Cleanup Funding: Not reported

Date the Leak was Discovered: / /

How the Leak was Discovered: Not reported

How the Leak was Stopped: Not reported

Cause of Leak: UNK

Leak Source: Tank

Date The Leak was Stopped: Not reported

Date Confirmation Leak Began: Not reported

Preliminary Site Assessment Workplan Submitted: Not reported

Preliminary Site Assessment Began: Not reported

Pollution Characterization Began: Not reported

Remediation Plan Submitted: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

RUSSELL TRUCK COMPANY (Continued)

EDR ID Number
EPA ID Number

S101296837

Remedial Action Underway: 1/7/88
Post Remedial Action Monitoring Began: Not reported
Date the Case was Closed: 9/13/96
Enforcement Action Date: Not reported
Date Leak First Reported: 04/18/1986
Enforcement Type: Not reported
Global ID : T0603701924
Cross Street: SANTA FE

CORTESE:

Region: CORTESE
Fac Address 2: 1430 011TH ST W

R80
South
1/4-1/2
2331 ft.

MTA DIV. 12
970 CHESTER PL W.
LONG BEACH, CA 90813

LUST **S105692204**
N/A

Site 1 of 2 in cluster R

Relative:
Equal

State LUST:

Actual:
12 ft.

Cross Street: Not reported
Qty Leaked: 0
Case Number: 908130661
Reg Board: 4
Chemical: Gasoline
Lead Agency: Regional Board
Local Agency : 19060
Case Type: Other ground water affected
Status: Preliminary site assessment underway
Review Date: Not reported
Workplan: 5/28/03 0:00
Pollution Char: Not reported
Remed Action: Not reported
Monitoring: Not reported
Close Date: Not reported
Release Date: 11/06/2002
Cleanup Fund Id : Not reported
Discover Date : 08/26/2002
Enforcement Dt : Not reported
Enf Type: SEL
Enter Date : Not reported
Funding: Not reported
Staff Initials: Not reported
How Discovered: OM
How Stopped: Close Tank
Interim : Not reported
Leak Cause: Not reported
Leak Source: P,
MTBE Date : Not reported
Max MTBE GW : Not reported
MTBE Tested: Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.
Priority: Not reported
Local Case # : 0
Beneficial: Not reported
Staff : HDN
GW Qualifier : Not reported
Max MTBE Soil : Not reported
Soil Qualifier : Not reported
Hydr Basin #: Not reported

Confirm Leak: Not reported
Prelim Assess: 5/28/03 0:00
Remed Plan: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

MTA DIV. 12 (Continued)

S105692204

Operator : Not reported
Oversight Prgm: LUST
Review Date : Not reported
Stop Date : / /
Work Suspended :Not reported
Responsible Party:ROBERT WILLEY
RP Address: 3 HUTTON CENTRE DR., SUITE #20
Global Id: T0603757656
Org Name: Not reported
Contact Person: Not reported
MTBE Conc: Not reported
Mtbe Fuel: Not reported
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported

LUST Region 4:

Report Date: 11/06/2002
Lead Agency: Regional Board
Local Agency: 19060
Substance: Gasoline
Case Type: Groundwater
Status: Preliminary site assessment underway
Region: 4
Staff: HDN
Date Case Last Changed on Database: Not reported
Date Leak Record Entered: Not reported
Historical Max MTBE Date: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil : Not reported
County: Los Angeles
Organization : Not reported
Regional Board: 4
Owner Contact: Not reported
Responsible Party: ROBERT WILLEY
RP Address: 3 HUTTON CENTRE DR., SUITE #20
Significant Interim Remedial Action Taken: Not reported
Program : LUST
Lat / Long : 0 / 0
Local Agency Staff: Not reported
Summary : Not reported
Hydrologic Basin # : Not reported
Beneficial Use : Not reported
Priority : Not reported
Cleanup Fund Id : Not reported
Suspended : Not reported
Local Case No : Not reported
Substance Quantity : 0
Abatement Method Used at the Site: Not reported
Operator : Not reported
Water System : Not reported
Well Name : Not reported
Approx. Dist To Production Well (ft) : Not reported
Assigned Name : Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

MTA DIV. 12 (Continued)

EDR ID Number
EPA ID Number

Database(s)

S105692204

Source of Cleanup Funding: Not reported
Date the Leak was Discovered: 08/26/2002
How the Leak was Discovered: OM
How the Leak was Stopped: Close Tank
Cause of Leak: Not reported
Leak Source: P,
Date The Leak was Stopped: Not reported
Date Confirmation Leak Began: Not reported
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: 5/28/03
Pollution Characterization Began: 11/6/02
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Date the Case was Closed: Not reported
Enforcement Action Date: Not reported
Date Leak First Reported: 11/06/2002
Enforcement Type: SEL
Global ID : T0603757656
Cross Street: Not reported

R81
South
1/4-1/2
2331 ft.

LA CO METRO TRANS AUTH DIV 12
970 W CHESTER PL
LONG BEACH, CA 90813

CA WDS 1006825733
EMI N/A

Site 2 of 2 in cluster R

Relative:
Equal

WDS:

Actual:
12 ft.

Facility ID: 4 19I000497
Facility Contact LAURY, VICTOR
SIC Code: Not reported
Agency Name: LA CO METRO TRANS AUTH
Agency Address: 1 Gateway Plz
Los Angeles 90012 - 2952
Agency Contact: URBAN, BEN
Design Flow: Not reported
Facility Type: Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
Agency Type: ?
Waste Type: Not reported
Threat to Water: Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity: Category C - Facilities having no waste treatment systems, such as cooling water dischargers or those who must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.
Reclamation: Not reported
POTW: Not reported
NPDES Number: CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion: 4

Facility Telephone (213) 922-4730
SIC Code 2: Not reported

Agency Phone: (213) 922-4714
Baseline Flow: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

LA CO METRO TRANS AUTH DIV 12 (Continued)

EDR ID Number
EPA ID Number

Database(s)

1006825733

EMISSIONS :

Facility ID : 43755
Air District Code : SC
SIC Code : 4131
Total Priority Score : Not reported
Health Risk Assessment : Not reported
Non-cancer Chronic Haz Index : Not reported
Non-cancer Acute Haz Index : Not reported
Air Basin : SC
Air District Name : SOUTH COAST AQMD
Community Health Air Pollution Info System : Not reported
Consolidated Emission Reporting Rule : Not reported
County Code : 19
County ID : 19

82
North
1/4-1/2
2379 ft.

GOODWILL INDUSTRIES
800 PACIFIC COAST HWY W
LONG BEACH, CA 90806

HAZNET S101296782
LUST N/A
Cortese

Relative:
Higher

State LUST:

Actual:
14 ft.

Cross Street: Not reported
Qty Leaked: 0
Case Number: 908061070
Reg Board: 4
Chemical: Diesel
Lead Agency: Regional Board
Local Agency : 19060
Case Type: Other ground water affected
Status: Case Closed
Review Date: Not reported
Workplan: Not reported
Pollution Char: Not reported
Remed Action: Not reported
Monitoring: Not reported
Close Date: 5/7/98 0:00
Release Date: 03/14/1991
Cleanup Fund Id : Not reported
Discover Date : / /
Enforcement Dt : 11/7/97 0:00
Enf Type: EF
Enter Date : 3/8/91 0:00
Funding: Not reported
Staff Initials: Not reported
How Discovered: Not reported
How Stopped: Not reported
Interim : Not reported
Leak Cause: UNK
Leak Source: UNK
MTBE Date : 1/1/65 0:00
Max MTBE GW : 16 Parts per Billion
MTBE Tested: MTBE Detected. Site tested for MTBE & MTBE detected
Priority: Not reported
Local Case # : 0
Beneficial: Not reported
Staff : DK
GW Qualifier : Not reported
Max MTBE Soil : Not reported

Confirm Leak: Not reported
Prelim Assess: Not reported
Remed Plan: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

GOODWILL INDUSTRIES (Continued)

S101296782

Soil Qualifier : Not reported
Hydr Basin #: SAN FERNANDO VALLEY
Operator : OLD CASE #032091-01
Oversight Prgm: LUST
Review Date : 7/7/98 0:00
Stop Date : / /
Work Suspended :Not reported
Responsible Party:GOODWILL INDUSTRIES
RP Address: 800 W. PACIFIC COAST HIGHWAY, LONG BEACH, CA 90806
Global Id: T0603701839
Org Name: Not reported
Contact Person: Not reported
MTBE Conc: Not reported
Mtbe Fuel: Not reported
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported

LUST Region 4:

Report Date: 03/14/1991
Lead Agency: Regional Board
Local Agency: 19060
Substance: Diesel
Case Type: Groundwater
Status: Case Closed
Region: 4
Staff: DK
Date Case Last Changed on Database: 7/7/98
Date Leak Record Entered: 3/8/91
Historical Max MTBE Date: 1/1/65
GW Qualifier: Not reported
Soil Qualifier: Not reported
Hist Max MTBE Conc in Groundwater: 16
Hist Max MTBE Conc in Soil : Not reported
County: Los Angeles
Organization : Not reported
Regional Board: 4
Owner Contact: Not reported
Responsible Party: GOODWILL INDUSTRIES
RP Address: 800 W. PACIFIC COAST HIGHWAY, LONG BEACH, CA 90806
Significant Interim Remedial Action Taken: Not reported
Program : LUST
Lat / Long : 34 / -118
Local Agency Staff: Not reported
Summary : 08/28/97 - GW MON RPT INVESTIGATION
12/02/97 - QTRLY MON RPT 1997
04/28/98 - QTRLY MON RPT 1998
07/07/98 - WELL
ABANDONMENT
Hydrologic Basin # : SAN FERNANDO VALLEY
Beneficial Use : Not reported
Priority : Not reported
Cleanup Fund Id : Not reported
Suspended : Not reported
Local Case No : Not reported
Substance Quantity : 0

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

GOODWILL INDUSTRIES (Continued)

EDR ID Number
EPA ID Number

Database(s)

S101296782

Abatement Method Used at the Site: Not reported
Operator : OLD CASE #032091-01
Water System : Not reported
Well Name : Not reported
Approx. Dist To Production Well (ft) : 14538.07656
Assigned Name : Not reported
Source of Cleanup Funding: Not reported
Date the Leak was Discovered: / /
How the Leak was Discovered: Not reported
How the Leak was Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Date The Leak was Stopped: Not reported
Date Confirmation Leak Began: Not reported
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: 7/1/97
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Date the Case was Closed: 5/7/98
Enforcement Action Date: 11/7/97
Date Leak First Reported: 03/14/1991
Enforcement Type: EF
Global ID : T0603701839
Cross Street: Not reported

HAZNET:

Gepaid: CAC002550159
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: 99
Tons: 0.50
Waste Category: Asbestos-containing waste
Disposal Method: Not reported
Contact: john rhyze
Telephone: (562) 435-0094
Mailing Address: 1140 e ocean blvd
long beach, CA 90802
County: Not reported

CORTESE:

Region: CORTESE
Fac Address 2: 800 PACIFIC COAST HWY W

**83
NW
1/4-1/2
2380 ft.**

**NATIONAL PLANT SERVICES
1364 016TH
LONG BEACH, CA 90813**

**LUST S105032798
Cortese N/A**

**Relative:
Equal**

State LUST:

**Actual:
12 ft.**

Cross Street: HARBOR
Qty Leaked: 0
Case Number 908130143
Reg Board: 4
Chemical: Gasoline
Lead Agency: Regional Board
Local Agency : 19060
Case Type: Other ground water affected
Status: Case Closed
Abate Method: Excavate and Dispose - remove contaminated soil and dispose in approved site

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

EDR ID Number
EPA ID Number
Database(s)

NATIONAL PLANT SERVICES (Continued)

S105032798

Review Date:	Not reported	Confirm Leak:	Not reported
Workplan:	Not reported	Prelim Assess:	Not reported
Pollution Char:	Not reported	Remed Plan:	Not reported
Remed Action:	Not reported		
Monitoring:	Not reported		
Close Date:	5/29/96 0:00		
Release Date:	08/19/1987		
Cleanup Fund Id :	Not reported		
Discover Date :	/ /		
Enforcement Dt :	Not reported		
Enf Type:	Not reported		
Enter Date :	3/10/88 0:00		
Funding:	Not reported		
Staff Initials:	Not reported		
How Discovered:	Not reported		
How Stopped:	Not reported		
Interim :	Yes		
Leak Cause:	Not reported		
Leak Source:	Not reported		
MTBE Date :	Not reported		
Max MTBE GW :	Not reported		
MTBE Tested:	Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.		
Priority:	Not reported		
Local Case # :	0		
Beneficial:	Not reported		
Staff :	UNK		
GW Qualifier :	Not reported		
Max MTBE Soil :	Not reported		
Soil Qualifier :	Not reported		
Hydr Basin #:	SAN FERNANDO VALLEY		
Operator :	Not reported		
Oversight Prgm:	LUST		
Review Date :	5/22/96 0:00		
Stop Date :	/ /		
Work Suspended :	Not reported		
Responsible Party:	NATIONAL PLANT SERVICES		
RP Address:	1461 HARBOR AVE, LONG BEACH, CA 90813		C
Global Id:	T0603701928		
Org Name:	Not reported		
Contact Person:	Not reported		
MTBE Conc:	Not reported		
Mtbe Fuel:	Not reported		
Water System Name:	Not reported		
Well Name:	Not reported		
Distance To Lust:	0		
Waste Discharge Global ID:	Not reported		
Waste Disch Assigned Name:	Not reported		

LUST Region 4:

Report Date:	08/19/1987
Lead Agency:	Regional Board
Local Agency:	19060
Substance:	Gasoline
Case Type:	Groundwater
Status:	Case Closed
Region:	4
Staff:	UNK
Date Case Last Changed on Database:	5/22/96

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

NATIONAL PLANT SERVICES (Continued)

S105032798

Date Leak Record Entered:	3/10/88	
Historical Max MTBE Date:	Not reported	
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Hist Max MTBE Conc in Groundwater:	Not reported	
Hist Max MTBE Conc in Soil :	Not reported	
County:	Los Angeles	
Organization :	Not reported	
Regional Board:	4	
Owner Contact:	Not reported	
Responsible Party:	NATIONAL PLANT SERVICES	
RP Address:	1461 HARBOR AVE, LONG BEACH, CA 90813	C
Significant Interim Remedial Action Taken:	Yes	
Program :	LUST	
Lat / Long :	34 / -118	
Local Agency Staff:	Not reported	
Summary :	THREE TANKS REMOVED. GROUND WATER CONTAMINATION IS LOCALIZED	
Hydrologic Basin # :	SAN FERNANDO VALLEY	
Beneficial Use :	Not reported	
Priority :	Not reported	
Cleanup Fund Id :	Not reported	
Suspended :	Not reported	
Local Case No :	Not reported	
Substance Quantity :	0	
Abatement Method Used at the Site:	Excavate and Dispose	
Operator :	Not reported	
Water System :	Not reported	
Well Name :	Not reported	
Approx. Dist To Production Well (ft) :	16096.10834	
Assigned Name :	Not reported	
Source of Cleanup Funding:	Not reported	
Date the Leak was Discovered:	/ /	
How the Leak was Discovered:	Not reported	
How the Leak was Stopped:	Not reported	
Cause of Leak:	Not reported	
Leak Source:	Not reported	
Date The Leak was Stopped:	Not reported	
Date Confirmation Leak Began:	Not reported	
Preliminary Site Assessment Workplan Submitted:	Not reported	
Preliminary Site Assessment Began:	Not reported	
Pollution Characterization Began:	3/18/88	
Remediation Plan Submitted:	Not reported	
Remedial Action Underway:	Not reported	
Post Remedial Action Monitoring Began:	Not reported	
Date the Case was Closed:	5/29/96	
Enforcement Action Date:	Not reported	
Date Leak First Reported:	08/19/1987	
Enforcement Type:	Not reported	
Global ID :	T0603701928	
Cross Street:	HARBOR	

CORTESE:

Region:	CORTESE
Fac Address 2:	Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

84
SW
1/4-1/2
2394 ft.
TIDELAND OIL
1348 009TH
LONG BEACH, CA 90813

CA SLIC **S103546764**
N/A

Relative: SLIC Region 4:
Higher Facility Status: Closure
Region: 4
Actual: SLIC 0603D
16 ft. Staff: GJH
Substance: TPH

85
West
1/4-1/2
2459 ft.
COMMERCIAL TRUCK BODIES
1468 014TH ST W
LONG BEACH, CA 90813

LUST **S101296839**
Cortese **N/A**

Relative: State LUST:
Lower Cross Street: CASPIAN
Qty Leaked: 0
Actual: Case Number 908130089
9 ft. Reg Board: 4
Chemical: Gasoline
Lead Agency: Regional Board
Local Agency : 19060
Case Type: Other ground water affected
Status: Remediation Plan
Abate Method: Remove Free Product - remove floating product from water table
Review Date: Not reported Confirm Leak: Not reported
Workplan: Not reported Prelim Assess: Not reported
Pollution Char: 12/13/01 0:00 Remed Plan: 12/13/01 0:00
Remed Action: Not reported
Monitoring: 10/29/84 0:00
Close Date: Not reported
Release Date: 10/29/1984
Cleanup Fund Id : Not reported
Discover Date : / /
Enforcement Dt : Not reported
Enf Type: LET
Enter Date : 12/31/86 0:00
Funding: Not reported
Staff Initials: Not reported
How Discovered: Not reported
How Stopped: Not reported
Interim : Yes
Leak Cause: UNK
Leak Source: UNK
MTBE Date : 5/25/01 0:00
Max MTBE GW : 2020 Parts per Billion
MTBE Tested: MTBE Detected. Site tested for MTBE & MTBE detected
Priority: Not reported
Local Case # : 0
Beneficial: Not reported
Staff : HSP
GW Qualifier : Not reported
Max MTBE Soil : Not reported
Soil Qualifier : Not reported
Hydr Basin #: SAN FERNANDO VALLEY
Operator : Not reported
Oversight Prgm: LUST
Review Date : 6/24/02 0:00

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

COMMERCIAL TRUCK BODIES (Continued)

S101296839

Stop Date : / /
Work Suspended :Not reported
Responsible PartyMR. RICHARD T. SMITH
RP Address: 350 YELLOW ROSE DR.
Global Id: T0603701923
Org Name: Not reported
Contact Person: Not reported
MTBE Conc: Not reported
Mtbe Fuel: Not reported
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported

LUST Region 4:

Report Date: 10/29/1984
Lead Agency: Regional Board
Local Agency: 19060
Substance: Gasoline
Case Type: Groundwater
Status: Remediation Plan
Region: 4
Staff: HSP
Date Case Last Changed on Database:
Date Leak Record Entered:
Historical Max MTBE Date:
GW Qualifier:
Soil Qualifier:
Hist Max MTBE Conc in Groundwater:
Hist Max MTBE Conc in Soil :
County:
Organization :
Regional Board:
Owner Contact: Not reported
Responsible Party:
RP Address:
Significant Interim Remedial Action Taken:
Program :
Lat / Long :
Local Agency Staff:
Summary :

Hydrologic Basin # :
Beneficial Use :
Priority :
Cleanup Fund Id :
Suspended :
Local Case No :
Substance Quantity :
Abatement Method Used at the Site:
Operator :
Water System :
Well Name :
Approx. Dist To Production Well (ft) :
Assigned Name :
Source of Cleanup Funding:
Date the Leak was Discovered:

6/24/02
12/31/86
5/25/01
Not reported
Not reported
2020
Not reported
Los Angeles
Not reported
4

MR. RICHARD T. SMITH
350 YELLOW ROSE DR.
Yes
LUST
34 / -118
Not reported
8/7/00 GW MON RPT; 1/18/01 SUBSURFACE SOIL AND GW
ASSESSMENT RPT
SAN FERNANDO VALLEY
Not reported
Not reported
Not reported
Not reported
Not reported
0
Remove Free Product
Not reported
Not reported
Not reported
17022.97908
Not reported
Not reported
/ /

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

COMMERCIAL TRUCK BODIES (Continued)

EDR ID Number
EPA ID Number

Database(s)

S101296839

How the Leak was Discovered: Not reported
How the Leak was Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Date The Leak was Stopped: Not reported
Date Confirmation Leak Began: Not reported
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: 11/19/01
Remediation Plan Submitted: 12/13/01
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: 10/29/84
Date the Case was Closed: Not reported
Enforcement Action Date: Not reported
Date Leak First Reported: 10/29/1984
Enforcement Type: LET
Global ID : T0603701923
Cross Street: CASPIAN

CORTESE:

Region: CORTESE
Fac Address 2: 1468 014TH ST W

86
NW
1/4-1/2
2493 ft.

MARINE HARDWARE CO
1322 017TH ST W
LONG BEACH, CA 90813

LUST S104406360
Cortese N/A

Relative:
Equal

State LUST:

Actual:
12 ft.

Cross Street: Not reported
Qty Leaked: 0
Case Number 908130516
Reg Board: 4
Chemical: Hydrocarbons
Lead Agency: Regional Board
Local Agency : 19060
Case Type: Other ground water affected
Status: Remediation Plan
Review Date: Not reported
Workplan: 10/15/90 0:00
Pollution Char: 8/19/02 0:00
Remed Action: Not reported
Monitoring: 10/15/90 0:00
Close Date: Not reported
Release Date: 10/15/1990
Cleanup Fund Id : Not reported
Discover Date : 10/15/1990
Enforcement Dt : Not reported
Enf Type: SEL
Enter Date : 12/13/90 0:00
Funding: Not reported
Staff Initials: Not reported
How Discovered: Not reported
How Stopped: Not reported
Interim : Not reported
Leak Cause: Not reported
Leak Source: Not reported
MTBE Date : 1/1/65 0:00
Max MTBE GW : 370 Parts per Billion

Confirm Leak: Not reported
Prelim Assess: 10/15/90 0:00
Remed Plan: 8/19/02 0:00

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)

EDR ID Number
EPA ID Number

MARINE HARDWARE CO (Continued)

S104406360

MTBE Tested: MTBE Detected. Site tested for MTBE & MTBE detected
Priority: Not reported
Local Case # : 0
Beneficial: Not reported
Staff : HDN
GW Qualifier : Not reported
Max MTBE Soil : Not reported
Soil Qualifier : Not reported
Hydr Basin #: SAN FERNANDO VALLEY
Operator : Not reported
Oversight Prgm: LUST
Review Date : 8/15/02 0:00
Stop Date : / /
Work Suspended :Not reported
Responsible Party:FRANK BRANNEN
RP Address: 345 N. 17TH ST.
Global Id: T0603701962
Org Name: Not reported
Contact Person: Not reported
MTBE Conc: Not reported
Mtb Fuel: Not reported
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported

LUST Region 4:

Report Date: 10/15/1990
Lead Agency: Regional Board
Local Agency: 19060
Substance: Hydrocarbons
Case Type: Groundwater
Status: Remediation Plan
Region: 4
Staff: HDN
Date Case Last Changed on Database:
Date Leak Record Entered:
Historical Max MTBE Date:
GW Qualifier:
Soil Qualifier:
Hist Max MTBE Conc in Groundwater:
Hist Max MTBE Conc in Soil :
County:
Organization :
Regional Board:
Owner Contact: Not reported
Responsible Party:
RP Address:
Significant Interim Remedial Action Taken:
Program :
Lat / Long :
Local Agency Staff:
Summary :

8/15/02
12/13/90
1/1/65
Not reported
Not reported
370
Not reported
Los Angeles
Not reported
4
FRANK BRANNEN
345 N. 17TH ST.
Not reported
LUST
34 / -118
Not reported
PLEASE REFER TO 1650 HARBOR AVE. FOR ADD'L INFO.
08/20/97 GW MON & SAMPLING RPT-2ND 97; 10/14/97 GW
MON & SAMPLING RPT-3RD 97; 10/19/98 GW MON
SEPTEMBER 1998
SAN FERNANDO VALLEY

Hydrologic Basin # :

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

MARINE HARDWARE CO (Continued)

S104406360

Beneficial Use : Not reported
Priority : Not reported
Cleanup Fund Id : Not reported
Suspended : Not reported
Local Case No : Not reported
Substance Quantity : 0
Abatement Method Used at the Site: Not reported
Operator : Not reported
Water System : Not reported
Well Name : Not reported
Approx. Dist To Production Well (ft) : 15919.67335
Assigned Name : Not reported
Source of Cleanup Funding: Not reported
Date the Leak was Discovered: 10/15/1990
How the Leak was Discovered: Not reported
How the Leak was Stopped: Not reported
Cause of Leak: Not reported
Leak Source: Not reported
Date The Leak was Stopped: Not reported
Date Confirmation Leak Began: Not reported
Preliminary Site Assessment Workplan Submitted: 10/15/90
Preliminary Site Assessment Began: 10/15/90
Pollution Characterization Began: 11/25/98
Remediation Plan Submitted: 8/19/02
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: 10/15/90
Date the Case was Closed: Not reported
Enforcement Action Date: Not reported
Date Leak First Reported: 10/15/1990
Enforcement Type: SEL
Global ID : T0603701962
Cross Street: Not reported

CORTESE:

Region: CORTESE
Fac Address 2: 1322 017TH ST W

87 PLASTIC PAINT PRODUCTION INC
WNW 1471 W 15TH ST
1/4-1/2 LONG BEACH, CA 90813
2540 ft.

HAZNET S103982066
EMI N/A

Relative:
Lower

HAZNET:
Gepaid: CAD983614074
TSD EPA ID: CAD089446710
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .2500
Waste Category: Paint sludge
Disposal Method: Transfer Station
Contact: WALTER RESTREPO
Telephone: (000) 000-0000
Mailing Address: 1471 W 15TH ST
 LONG BEACH, CA 90813
County Los Angeles

Actual:
10 ft.

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

PLASTIC PAINT PRODUCTION INC (Continued)

S103982066

Gepaid: CAD983614074
TSD EPA ID: CAD008302903
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .4587
Waste Category: Unspecified organic liquid mixture
Disposal Method: Recycler
Contact: WALTER RESTREPO
Telephone: (000) 000-0000
Mailing Address: 1471 W 15TH ST
LONG BEACH, CA 90813
County Los Angeles

Gepaid: CAD983614074
TSD EPA ID: CAD089446710
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .6255
Waste Category: Paint sludge
Disposal Method: Transfer Station
Contact: WALTER RESTREPO
Telephone: (000) 000-0000
Mailing Address: 1471 W 15TH ST
LONG BEACH, CA 90813
County Los Angeles

Gepaid: CAD983614074
TSD EPA ID: CAD000088252
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .6255
Waste Category: Paint sludge
Disposal Method: Not reported
Contact: WALTER RESTREPO
Telephone: (000) 000-0000
Mailing Address: 1471 W 15TH ST
LONG BEACH, CA 90813
County Los Angeles

EMISSIONS :

Facility ID : 85245
Air District Code : SC
SIC Code : 3089
Total Priority Score : Not reported
Health Risk Assessment : Not reported
Non-cancer Chronic Haz Index : Not reported
Non-cancer Acute Haz Index : Not reported
Air Basin : SC
Air District Name : SOUTH COAST AQMD
Community Health Air Pollution Info System : Not reported
Consolidated Emission Reporting Rule : Not reported
County Code : 19
County ID : 19

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

88
NNE
1/4-1/2
2556 ft.

LA MIRAGE INN
701 PACIFIC COAST HWY W
LONG BEACH, CA 90262

LUST
Cortese

S101296781
N/A

Relative:
Equal

State LUST:

Actual:
12 ft.

Cross Street: MAINE
Qty Leaked: 0
Case Number: 908060089
Reg Board: 4
Chemical: Gasoline
Lead Agency: Regional Board
Local Agency : 19060
Case Type: Other ground water affected
Status: Case Closed
Abate Method: Excavate and Treat - remove contaminated soil and treat (includes spreading or land farming), Pump and Treat Ground Water - generally employed to remove dissolved contaminants

Review Date: Not reported
Workplan: Not reported
Pollution Char: Not reported
Remed Action: 3/2/90 0:00
Monitoring: 4/4/97 0:00
Close Date: 8/28/97 0:00
Release Date: 06/07/1988
Cleanup Fund Id : Not reported
Discover Date : 03/03/1988
Enforcement Dt : Not reported
Enf Type: Not reported
Enter Date : 6/10/88 0:00
Funding: Not reported
Staff Initials: Not reported
How Discovered: Not reported
How Stopped: Not reported
Interim : Yes
Leak Cause: Not reported
Leak Source: Not reported
MTBE Date : 1/1/65 0:00
Max MTBE GW : 8 Parts per Billion
MTBE Tested: MTBE Detected. Site tested for MTBE & MTBE detected
Priority: Not reported
Local Case # : 0
Beneficial: Not reported
Staff : JH
GW Qualifier : Not reported
Max MTBE Soil : Not reported
Soil Qualifier : Not reported
Hydr Basin #: SAN FERNANDO VALLEY
Operator : Not reported
Oversight Prgm: LUST
Review Date : 9/30/97 0:00
Stop Date : / /
Work Suspended :Not reported
Responsible Party:BLANK RP
RP Address: 12841 WASHINGTON BLVD., LOS ANGELES, CA 90066
Global Id: T0603701827
Org Name: Not reported
Contact Person: Not reported
MTBE Conc: Not reported

Confirm Leak: Not reported
Prelim Assess: Not reported
Remed Plan: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

LA MIRAGE INN (Continued)

S101296781

Mtbe Fuel: Not reported
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported

LUST Region 4:

Report Date: 06/07/1988
Lead Agency: Regional Board
Local Agency: 19060
Substance: Gasoline
Case Type: Groundwater
Status: Case Closed
Region: 4
Staff: JH
Date Case Last Changed on Database: 9/30/97
Date Leak Record Entered: 6/10/88
Historical Max MTBE Date: 1/1/65
GW Qualifier: Not reported
Soil Qualifier: Not reported
Hist Max MTBE Conc in Groundwater: 8
Hist Max MTBE Conc in Soil : Not reported
County: Los Angeles
Organization : Not reported
Regional Board: 4
Owner Contact: Not reported
Responsible Party: BLANK RP
RP Address: 12841 WASHINGTON BLVD., LOS ANGELES, CA 90066
Significant Interim Remedial Action Taken: Yes
Program : LUST
Lat / Long : 34 / -118
Local Agency Staff: Not reported
Summary : TANKS REMOVED GROUND WATER UNDER ENTIRE SITE
CONTAMINATED. OFFSITE ASSESSMENT APPROVED.
6/25/97 QTR GW MON RPT

Hydrologic Basin # : (2ND QTR 97)
Beneficial Use : SAN FERNANDO VALLEY
Priority : Not reported
Cleanup Fund Id : Not reported
Suspended : Not reported
Local Case No : Not reported
Substance Quantity : 0
Abatement Method Used at the Site: ETGT
Operator : Not reported
Water System : Not reported
Well Name : Not reported
Approx. Dist To Production Well (ft) : 14162.45433
Assigned Name : Not reported
Source of Cleanup Funding: Not reported
Date the Leak was Discovered: 03/03/1988
How the Leak was Discovered: Not reported
How the Leak was Stopped: Not reported
Cause of Leak: Not reported
Leak Source: Not reported
Date The Leak was Stopped: Not reported
Date Confirmation Leak Began: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

LA MIRAGE INN (Continued)

EDR ID Number
EPA ID Number

Database(s)

S101296781

Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: 2/16/89
Remediation Plan Submitted: Not reported
Remedial Action Underway: 3/2/90
Post Remedial Action Monitoring Began: 4/4/97
Date the Case was Closed: 8/28/97
Enforcement Action Date: Not reported
Date Leak First Reported: 06/07/1988
Enforcement Type: Not reported
Global ID : T0603701827
Cross Street: MAINE

CORTESE:

Region: CORTESE
Fac Address 2: 701 PACIFIC COAST HWY W

89
SW
1/2-1
2798 ft.

1300 PIER B ST
LONG BEACH, CA 25266

CHMIRS S105659749
EMI N/A

Relative:
Lower

CHMIRS:

Actual:
11 ft.

OES Control Number: 99-4109
Chemical Name: Crude Oil
Extent of Release: Not reported
Property Use: Not reported
Incident Date: Not reported
Date Completed: Not reported
Time Completed : Not reported
Agency Id Number : Not reported
Agency Incident Number : Not reported
OES Incident Number : 99-4109
Time Notified : Not reported
Surrounding Area : Not reported
Estimated Temperature : Not reported
Property Management : Not reported
More Than Two Substances Involved? : Not reported
Special Studies 1 : Not reported
Special Studies 2 : Not reported
Special Studies 3 : Not reported
Special Studies 4 : Not reported
Special Studies 5 : Not reported
Special Studies 6 : Not reported
Responding Agency Personel # Of Injuries : 0
Responding Agency Personel # Of Fatalities : 0
Resp Agency Personel # Of Decontaminated : Not reported
Others Number Of Decontaminated : Not reported
Others Number Of Injuries : Not reported
Others Number Of Fatalities : Not reported
Vehicle Make/year : Not reported
Vehicle License Number : Not reported
Vehicle State : Not reported
Vehicle Id Number : Not reported
CA/DOT/PUC/ICC Number : Not reported
Company Name : Not reported
Reporting Officer Name/ID : Not reported
Report Date : Not reported
Comments : Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)

EDR ID Number
EPA ID Number

(Continued)

S105659749

Facility Telephone Number :	Not reported
Waterway Involved :	No
Waterway :	Not reported
Spill Site :	Other
Cleanup By :	Reporting Party
Containment :	Yes
What Happened :	Flange leak on an insulating kit. Line 73 inside the Marine Terminal. Did not enter a waterway
Type :	PETROLEUM
Other :	Not reported
Chemical 1 :	Not Reported
Chemical 2 :	Not Reported
Chemical 3 :	Not Reported
Date/Time :	9/28/99 1100
Evacuations :	0
OES Control Number:	01-2683
Chemical Name:	Gasoline
Extent of Release:	Not reported
Property Use:	Not reported
Incident Date:	Not reported
Date Completed:	Not reported
Time Completed :	Not reported
Agency Id Number :	Not reported
Agency Incident Number :	Not reported
OES Incident Number :	01-2683
Time Notified :	Not reported
Surrounding Area :	Not reported
Estimated Temperature :	Not reported
Property Management :	Not reported
More Than Two Substances Involved? :	Not reported
Special Studies 1 :	Not reported
Special Studies 2 :	Not reported
Special Studies 3 :	Not reported
Special Studies 4 :	Not reported
Special Studies 5 :	Not reported
Special Studies 6 :	Not reported
Responding Agency Personel # Of Injuries :	0
Responding Agency Personel # Of Fatalities :	0
Resp Agncy Personel # Of Decontaminated :	Not reported
Others Number Of Decontaminated :	Not reported
Others Number Of Injuries :	Not reported
Others Number Of Fatalities :	Not reported
Vehicle Make/year :	Not reported
Vehicle License Number :	Not reported
Vehicle State :	Not reported
Vehicle Id Number :	Not reported
CA/DOT/PUC/ICC Number :	Not reported
Company Name :	Not reported
Reporting Officer Name/ID :	Not reported
Report Date :	Not reported
Comments :	Not reported
Facility Telephone Number :	Not reported
Waterway Involved :	No
Waterway :	Not reported
Spill Site :	Other
Cleanup By :	Reporting Party
Containment :	Yes

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

S105659749

What Happened : Maintenance workers were working on a relief valve and a nipple broke off causing the release into a containment area.

Type : PETROLEUM

Other : Not reported

Chemical 1 : Not Reported

Chemical 2 : Not Reported

Chemical 3 : Not Reported

Date/Time : 5/9/01 1015

Evacuations : 0

EMISSIONS :

Facility ID : 800052

Air District Code : SC

SIC Code : 5171

Total Priority Score : Not reported

Health Risk Assessment : Not reported

Non-cancer Chronic Haz Index : Not reported

Non-cancer Acute Haz Index : Not reported

Air Basin : SC

Air District Name : SOUTH COAST AQMD

Community Health Air Pollution Info System : Y

Consolidated Emission Reporting Rule : B

County Code : 19

County ID : 19

90
West
1/2-1
2822 ft.

CAL BUMPER COMPANY INC
1555 W ANAHEIM STREET
LONG BEACH, CA 90813

HAZNET S103633060
CA WDS N/A
EMI

Relative:
Lower

HAZNET:

Actual:
8 ft.

Gepaid: CAD030862742

TSD EPA ID: CAT080033681

Gen County: Los Angeles

Tsd County: Los Angeles

Tons: 3.7500

Waste Category: Other inorganic solid waste

Disposal Method: Recycler

Contact: CAL BUMPER COMPANY INC

Telephone: (562) 436-1205

Mailing Address: 1555 W ANAHEIM ST
LONG BEACH, CA 90813 - 2643

County: Los Angeles

Gepaid: CAD030862742

TSD EPA ID: AZD980735500

Gen County: Los Angeles

Tsd County: 99

Tons: 16.2500

Waste Category: Metal sludge - Alkaline solution (pH <UN-> 12.5) with metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc)

Disposal Method: Recycler

Contact: CAL BUMPER COMPANY INC

Telephone: (562) 436-1205

Mailing Address: 1555 W ANAHEIM ST
LONG BEACH, CA 90813 - 2643

County: Los Angeles

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

CAL BUMPER COMPANY INC (Continued)

EDR ID Number
EPA ID Number

Database(s)

S103633060

Gepaid: CAD030862742
TSD EPA ID: CAD000088252
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .3750
Waste Category: Other inorganic solid waste
Disposal Method: Transfer Station
Contact: CAL BUMPER COMPANY INC
Telephone: (562) 436-1205
Mailing Address: 1555 W ANAHEIM ST
LONG BEACH, CA 90813 - 2643
County: Los Angeles

Gepaid: CAD030862742
TSD EPA ID: CAT080033681
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 20.4330
Waste Category: Aqueous solution (2 < pH < 12.5) containing reactive anions (azide, bromate, chlorate, cyanide, fluoride, hypochlorite, nitrite, perchlorate, and sulfide anions)
Disposal Method: Recycler
Contact: CAL BUMPER COMPANY INC
Telephone: (562) 436-1205
Mailing Address: 1555 W ANAHEIM ST
LONG BEACH, CA 90813 - 2643
County: Los Angeles

Gepaid: CAD030862742
TSD EPA ID: AZD980735500
Gen County: Los Angeles
Tsd County: 99
Tons: 5.0000
Waste Category: Metal sludge - Alkaline solution (pH <UN-> 12.5) with metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc)
Disposal Method: Not reported
Contact: CAL BUMPER COMPANY INC
Telephone: (562) 436-1205
Mailing Address: 1555 W ANAHEIM ST
LONG BEACH, CA 90813 - 2643
County: Los Angeles

The CA HAZNET database contains 8 additional records for this site.
For more information, please click [here](#) while viewing on your computer,
or contact your EDR Account Executive.

WDS:

Facility ID:	4 19I004922	Facility Telephone	(562) 436-1203
Facility Contact	ROBERT COSTANZA	SIC Code 2:	Not reported
SIC Code:	Not reported		
Agency Name:	CAL BUMPER CO INC		
Agency Address:	1555 W Anaheim St Long Beach 90813 - 2697		
Agency Contact:	ROBERT COSTANZA	Agency Phone:	(562) 436-1203
Design Flow:	Not reported	Baseline Flow:	Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

CAL BUMPER COMPANY INC (Continued)

S103633060

Facility Type: Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.

Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.

Agency Type: Private

Waste Type: Not reported

Threat to Water: Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.

Complexity: Category C - Facilities having no waste treatment systems, such as cooling water dischargers or those who must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

Reclamation: Not reported

POTW: Not reported

NPDES Number: CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board

Subregion: 4

EMISSIONS :

Facility ID : 8724

Air District Code : SC

SIC Code : 3471

Total Priority Score : Not reported

Health Risk Assessment : Not reported

Non-cancer Chronic Haz Index : Not reported

Non-cancer Acute Haz Index : Not reported

Air Basin : SC

Air District Name : SOUTH COAST AQMD

Community Health Air Pollution Info System : Not reported

Consolidated Emission Reporting Rule : Not reported

County Code : 19

County ID : 19

**91
NW
1/2-1
2876 ft.**

**CUSTOM FIBERGLASS MFG CO/CUSTOM HARDTOP
1700-68 HARBOR AV
LONG BEACH, CA 90813**

**EMI S105937410
N/A**

**Relative:
Equal**

EMISSIONS :

Facility ID : 7949

Air District Code : SC

SIC Code : 3714

Total Priority Score : Not reported

Health Risk Assessment : 2.5

Non-cancer Chronic Haz Index : Not reported

Non-cancer Acute Haz Index : 0

Air Basin : SC

Air District Name : SOUTH COAST AQMD

Community Health Air Pollution Info System : Y

Consolidated Emission Reporting Rule : B

County Code : 19

County ID : 19

**Actual:
12 ft.**

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

92
WNW
1/2-1
3247 ft.

DION & SONS INC
1569 016TH ST W
LONG BEACH, CA 90813

LUST
Cortese
REF
EMI

S100868345
N/A

Relative:
Lower

State LUST:

Actual:
10 ft.

Cross Street: Not reported
Qty Leaked: 0
Case Number: 908130207
Reg Board: 4
Chemical: Gasoline
Lead Agency: Regional Board
Local Agency : 19060
Case Type: Other ground water affected
Status: Case Closed
Abate Method: Remove Free Product - remove floating product from water table
Review Date: Not reported
Workplan: Not reported
Pollution Char: Not reported
Remed Action: Not reported
Monitoring: Not reported
Close Date: 7/17/96 0:00
Release Date: 02/02/1992
Cleanup Fund Id : Not reported
Discover Date : / /
Enforcement Dt : Not reported
Enf Type: Not reported
Enter Date : 6/8/92 0:00
Funding: Not reported
Staff Initials: Not reported
How Discovered: Not reported
How Stopped: Not reported
Interim : Yes
Leak Cause: UNK
Leak Source: UNK
MTBE Date : Not reported
Max MTBE GW : Not reported
MTBE Tested: Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.
Priority: Not reported
Local Case # : 0
Beneficial: Not reported
Staff : UNK
GW Qualifier : Not reported
Max MTBE Soil : Not reported
Soil Qualifier : Not reported
Hydr Basin #: SAN FERNANDO VALLEY
Operator : DION MICHELL O III
Oversight Prgm: LUST
Review Date : 8/7/96 0:00
Stop Date : / /
Work Suspended :Not reported
Responsible Party:DION & SONS, INCORPORATED
RP Address: 1569 16TH ST, LONG BEACH CA 90813
Global Id: T0603701933
Org Name: Not reported
Contact Person: Not reported
MTBE Conc: Not reported
Mtbe Fuel: Not reported
Water System Name: Not reported

Confirm Leak: Not reported
Prelim Assess: Not reported
Remed Plan: Not reported

D

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

DION & SONS INC (Continued)

EDR ID Number
EPA ID Number

Database(s)

S100868345

Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported

LUST Region 4:

Report Date: 02/02/1992
Lead Agency: Regional Board
Local Agency: 19060
Substance: Gasoline
Case Type: Groundwater
Status: Case Closed
Region: 4
Staff: UNK

Date Case Last Changed on Database: 8/7/96
Date Leak Record Entered: 6/8/92
Historical Max MTBE Date: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil : Not reported
County: Los Angeles
Organization : Not reported
Regional Board: 4

Owner Contact: Not reported

Responsible Party: DION & SONS, INCORPORATED
RP Address: 1569 16TH ST, LONG BEACH CA 90813

D

Significant Interim Remedial Action Taken: Yes
Program : LUST
Lat / Long : 34 / -118
Local Agency Staff: Not reported
Summary : Not reported
Hydrologic Basin # : SAN FERNANDO VALLEY
Beneficial Use : Not reported
Priority : Not reported
Cleanup Fund Id : Not reported
Suspended : Not reported
Local Case No : Not reported
Substance Quantity : 0
Abatement Method Used at the Site: Remove Free Product
Operator : DION MICHELL O III
Water System : Not reported
Well Name : Not reported
Approx. Dist To Production Well (ft) : 15576.01955
Assigned Name : Not reported
Source of Cleanup Funding: Not reported
Date the Leak was Discovered: / /
How the Leak was Discovered: Not reported
How the Leak was Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Date The Leak was Stopped: Not reported
Date Confirmation Leak Began: Not reported
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: 5/29/92
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

DION & SONS INC (Continued)

S100868345

Post Remedial Action Monitoring Began: Not reported
Date the Case was Closed: 7/17/96
Enforcement Action Date: Not reported
Date Leak First Reported: 02/02/1992
Enforcement Type: Not reported
Global ID : T0603701933
Cross Street: Not reported

REF:

Facility ID 19290263
Dtsc Region Code : 4
Region Code Definition : CYPRESS
County Code : 19
Site Name Under : Not reported
Current Status Date : 06201995
Current Status Code : REFRW
Current Status : PROPERTY/SITE REFERRED TO RWQCB
Lead Agency Code : Not reported
Lead Agency : N/A
Site Type Code : Not reported
Site Type : N/A
National Priorities List : Not reported
Tier : Not reported
Source Of Funding Code : Not reported
Staff Member : Not reported
Supervisor : Not reported
Sic Code : 29
Sic Code Definition : MANU - PETROLEUM & COAL PRODUCTS
Site Mitigatn & Brnfls Reuse Prog (SMBR) Code : SB
SMBR Branch : SO CAL - CYPRESS
Regional Water Quality Control Board : LA
RWQCB Definition : LOS ANGELES
Site Access Controlled : Not reported
Listed In Haz Wst & Substncs Sites List (CORTESE) Not reported
Date Hazard Ranked : Not reported
GW Contamination Suspected : Not reported
Of Sources Contributing To Contamination : 0.00000
Lat/Long : 0.00000° 0.00000' 0.00000" / 0.00000° 0.00000' 0.00000"
Direction Lat : Not reported
Direction Long : Not reported
Lat/long Method : Not reported
Entity Lat/long Coordinates Refer To : Not reported
State Assembly Distt Code : Not reported
State Senate Distt Code : Not reported
Identifying Code: Not reported
ID Value: Not reported
Other ID Desc: Not reported
Alternate Name(s): M O DION & SONS
Address(es) : 1515,1569 WEST 16TH STREET
LONG BEACH, CA 90813
Address(es) : 1569 WEST 16TH STREET
LONG BEACH, CA 90813
Background Info : Not reported
Facility Id : 19290263
AWP Activities Code : 1.00000
DTSC Site Activity Code : DISC
Activity Code Def: DISCOVERY
AWP Activity Id : Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

DION & SONS INC (Continued)

S100868345

Dt Activity Due For Completion :	Not reported
Revised Due Date :	Not reported
Date Activity Completed :	01121983
Est # Of Person-years To Complete :	0.00000
Est. Size Of An Activity Code :	Not reported
Site Status When Activity Commitment Made :	REFRW
Status Code Definition :	PROPERTY/SITE REFERRED TO RWQCB
Cubic Yards Of Solids Removed At Completion :	0.00000
Gallons Of Liquid Removed Upon Completion :	0.00000
Cubic Yards Of Solids Treated Upon Completion :	0.00000
Actvty Deleted Via Commitmnt/Completns Screen :	Not reported
Facility Id :	19290263
AWP Activities Code :	2.00000
DTSC Site Activity Code :	SS
Activity Code Def:	Not reported
AWP Activity Id :	Not reported
Dt Activity Due For Completion :	Not reported
Revised Due Date :	Not reported
Date Activity Completed :	04251995
Est # Of Person-years To Complete :	0.00000
Est. Size Of An Activity Code :	Not reported
Site Status When Activity Commitment Made :	REFRW
Status Code Definition :	PROPERTY/SITE REFERRED TO RWQCB
Cubic Yards Of Solids Removed At Completion :	0.00000
Gallons Of Liquid Removed Upon Completion :	0.00000
Cubic Yards Of Solids Treated Upon Completion :	0.00000
Actvty Deleted Via Commitmnt/Completns Screen :	Not reported
Special Program Code:	C104
Special Program :	CERCLA 104
Comments Date :	01011988
Comments :	ON CORTESE LIST FACILITY IDENTIFIED L.A. CHAM OF COMM BUS DIR 1971 MFG./DISTRIBUTOR/GAS/LUBRICANTS/SOLVENTS QUESTIONNAIRE SENT QUESTIONNAIRE RECEIVED YRS OPERATION AT LOCATION: 1951-PRESENT NUMBER OF EMPLOYEES AT LOCATION: 12 WASTE: USED DRAIN OIL HAULED OFF SITE FACILITY DRIVE-BY SITE IS PARTLY PAVED, PART DIRT, GRAVEL DRUMS, PUMPING EQUIP ON GRAVEL AREA-SOME STAINS. COVERED STORAGE-SOME STAINS. VEG APPEAR NON-STRESSED LA RWQCB'S UST LEAK LIST INDICATES THE BOARD IS OVERSEEING THE CLEANUP OF THE SITE. STATUS IS ADDITIONAL CHARACTER- IZATION (SC). GROUNDWATER AT THE SITE IS CONTAMINATED. DEPT RECEIVED THE EPA REASSESSMENT REPORT WHICH RECOMMENDED NFA UNDER CERCLA FOR THE SITE. DUE TO RWQCB'S OVERSIGHT, THE DEPT'S INVOLVEMENT IS UNNECESSARY. Not reported FACILITY DRIVE-BY ASAP. G & REPLACING THEM W/ MONITORABLE ONES. M.O. DION ALSO COLLECTS & DISP OF OIL RESIDUES. NEED TO REGISTER W/EPA. M.O.DION PLANS TO REMOVE TANKS,10 UNDER- SOURCE ACT: ASAP IW SURVEY 3/21/85 - STORAGE & REPACKAGING OF PETROLEUM PRODS

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

DION & SONS INC (Continued)

EDR ID Number
EPA ID Number

Database(s)

S100868345

SUBMIT TO EPA
REPORTED FOR PROP65

CORTESE:

Region: CORTESE
Fac Address 2: 1569 016TH ST W

EMISSIONS :

Facility ID : 3606
Air District Code : SC
SIC Code : 5171
Total Priority Score : Not reported
Health Risk Assessment : Not reported
Non-cancer Chronic Haz Index : Not reported
Non-cancer Acute Haz Index : Not reported
Air Basin : SC
Air District Name : SOUTH COAST AQMD
Community Health Air Pollution Info System : Not reported
Consolidated Emission Reporting Rule : Not reported
County Code : 19
County ID : 19

93
West
1/2-1
3276 ft.

PRATHER PRODUCTS INC, PRATHER
1638 COWLES ST
LONG BEACH, CA 90813

FINDS **1006839018**
EMI **110014000259**

Relative:
Lower

FINDS:
Other Pertinent Environmental Activity Identified at Site:
National Emissions Inventory (NEI)

Actual:
9 ft.

EMISSIONS :
Facility ID : 98170
Air District Code : SC
SIC Code : 9999
Total Priority Score : Not reported
Health Risk Assessment : Not reported
Non-cancer Chronic Haz Index : Not reported
Non-cancer Acute Haz Index : Not reported
Air Basin : SC
Air District Name : SOUTH COAST AQMD
Community Health Air Pollution Info System : Not reported
Consolidated Emission Reporting Rule : Not reported
County Code : 19
County ID : 19

94
WNW
1/2-1
3652 ft.

CROSBY & OVERTON PLANT NUMBER 1
1630 W 17TH ST
LONG BEACH, CA 90813

FINDS **1000377893**
LUST **CAD028409019**
Cortese
RCRIS-LQG
RCRIS-TSD
CA FID UST
CORRACTS
CERC-NFRAP
HIST UST

Relative:
Lower

Actual:
11 ft.

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

CROSBY & OVERTON PLANT NUMBER 1 (Continued)

1000377893

CERCLIS-NFRAP Classification Data:

Site Incident Category: Not reported

Federal Facility: Not a Federal Facility

Non NPL Code: DR

Ownership Status: Unknown

NPL Status: Not on the NPL

CERCLIS-NFRAP Assessment History:

Assessment: DISCOVERY

Completed: 07/01/1980

Assessment: PRELIMINARY ASSESSMENT

Completed: 12/01/1987

Assessment: SITE INSPECTION

Completed: 08/01/1988

Assessment: RCRA FACILITY ASSESSMENT

Completed: 08/01/1988

Assessment: ARCHIVE SITE

Completed: 01/23/1996

CERCLIS-NFRAP Alias Name(s):

CROSBY & OVERTON PLT #1

CHEROKEE

CORRACTS Data:

EPA Id: CAD028409019

Region: 9

Area Name: ENTIRE FACILITY

Actual Date: 02/24/1993

Corrective Action: CA225NR - Stabilization Measures Evaluation, This facility is , not amenable to stabilization activity at the, present time for reasons other than (1) it appears to be technically, infeasible or inappropriate (NF) or (2) there is a lack of technical, information (IN). Reasons for this conclusion may be the status of, closure at the facility, the degree of risk, timing considerations, the status of corrective action work at the facility, or other, administrative considerations

2002 NAICS Title: Hazardous Waste Treatment and Disposal
General Freight Trucking, Local
General Freight Trucking, Local
Waste Management and Remediation Services

EPA Id: CAD028409019

Region: 9

Area Name: ENTIRE FACILITY

Actual Date: 01/15/1993

Corrective Action: CA075LO - CA Prioritization, Facility or area was assigned a low corrective action priority

2002 NAICS Title: Hazardous Waste Treatment and Disposal
General Freight Trucking, Local
General Freight Trucking, Local
Waste Management and Remediation Services

EPA Id: CAD028409019

Region: 9

Area Name: ENTIRE FACILITY

Actual Date: 06/01/1984

Corrective Action: CA075LO - CA Prioritization, Facility or area was assigned a low corrective action priority

2002 NAICS Title: Hazardous Waste Treatment and Disposal
General Freight Trucking, Local
General Freight Trucking, Local
Waste Management and Remediation Services

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON PLANT NUMBER 1 (Continued)

1000377893

RCRIS Corrective Action Summary:

Event: Stabilization Measures Evaluation, This facility is not amenable to stabilization activity at the present time for reasons other than 1) it appears to be technically infeasible or inappropriate (NF) or 2) there is a lack of technical information (IN). Reasons for this conclusion may be the status of closure at the facility, the degree of risk, timing considerations, the status of corrective action work at the facility, or other administrative considerations.

Event Date: 02/24/1993

Event: CA Prioritization, Facility or area was assigned a low corrective action priority.

Event Date: 01/15/1993

Event: CA Prioritization, Facility or area was assigned a low corrective action priority.

Event Date: 06/01/1984

RCRIS:

Owner: CROSBY & OVERTON
(213) 432-5445

EPA ID: CAD028409019

Contact: Not reported

Classification: Large Quantity Generator, TSD
TSD Activities: Not reported

BIENNIAL REPORTS:

Last Biennial Reporting Year: 2001

<u>Waste</u>	<u>Quantity (Lbs)</u>	<u>Waste</u>	<u>Quantity (Lbs)</u>
D001	6217360.52	D002	290172.84
D003	4493.00	D004	2356834.53
D005	26539.85	D006	4859508.24
D007	3775215.53	D008	4225411.86
D009	1821070.74	D011	23892.26
D013	17386.41	D014	14066.30
D016	12710.30	D018	1984427.17
D020	37611.14	D027	3660.00
D035	376906.67	D039	4745.16
F001	2500.09	F002	3849116.09
F003	1886282.31	F005	1911588.19
F006	4566.00	F007	4566.00
F008	4566.00	F009	100.00
P028	214.00	U122	4050.14
U223	1680.06		

Violation Status: Violations exist

Regulation Violated:	Not reported
Area of Violation:	GENERATOR-RECORDKEEPING REQUIREMENTS
Date Violation Determined:	11/04/2003
Actual Date Achieved Compliance:	12/16/2003
Regulation Violated:	Not reported
Area of Violation:	TSD-TANKS REQUIREMENTS
Date Violation Determined:	11/04/2003
Actual Date Achieved Compliance:	Not reported
Regulation Violated:	Not reported
Area of Violation:	TSD-OTHER REQUIREMENTS

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

CROSBY & OVERTON PLANT NUMBER 1 (Continued)

EDR ID Number
EPA ID Number

Database(s)

1000377893

Date Violation Determined:	11/04/2003
Actual Date Achieved Compliance:	Not reported
Regulation Violated:	Not reported
Area of Violation:	TSD-OTHER REQUIREMENTS
Date Violation Determined:	11/04/2003
Actual Date Achieved Compliance:	01/28/2004
Regulation Violated:	Not reported
Area of Violation:	TSD-GENERAL STANDARDS
Date Violation Determined:	11/04/2003
Actual Date Achieved Compliance:	12/16/2003
Regulation Violated:	Not reported
Area of Violation:	TSD-MANIFEST REQUIREMENTS
Date Violation Determined:	11/04/2003
Actual Date Achieved Compliance:	Not reported
Regulation Violated:	264.10-18.B
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	09/10/2002
Actual Date Achieved Compliance:	12/10/2002
Regulation Violated:	270
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	09/10/2002
Actual Date Achieved Compliance:	12/10/2002
Regulation Violated:	Not reported
Area of Violation:	TSD-OTHER REQUIREMENTS
Date Violation Determined:	09/10/2002
Actual Date Achieved Compliance:	12/10/2002
Regulation Violated:	Not reported
Area of Violation:	TSD-GENERAL STANDARDS
Date Violation Determined:	09/10/2002
Actual Date Achieved Compliance:	12/10/2002
Regulation Violated:	Not reported
Area of Violation:	TSD-FINANCIAL RESPONSIBILITY REQUIREMENTS
Date Violation Determined:	09/04/2002
Actual Date Achieved Compliance:	Not reported
Regulation Violated:	264.140-150.H
Area of Violation:	TSD-FINANCIAL RESPONSIBILITY REQUIREMENTS
Date Violation Determined:	12/14/2001
Actual Date Achieved Compliance:	02/10/2002
Regulation Violated:	264.10-18.B
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	10/31/2001
Actual Date Achieved Compliance:	02/01/2002
Regulation Violated:	264.170-177.I
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	10/31/2001
Actual Date Achieved Compliance:	02/01/2002
Regulation Violated:	264.190-201.J
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	10/31/2001
Actual Date Achieved Compliance:	02/01/2002
Regulation Violated:	264.170-177.I

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

CROSBY & OVERTON PLANT NUMBER 1 (Continued)

EDR ID Number
EPA ID Number

Database(s)

1000377893

Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	10/31/2001
Actual Date Achieved Compliance:	10/31/2001
Regulation Violated:	270
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	10/07/1999
Actual Date Achieved Compliance:	10/03/2000
Regulation Violated:	264.190-201.J
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	10/07/1999
Actual Date Achieved Compliance:	10/03/2000
Regulation Violated:	264.30-37.C
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	10/07/1999
Actual Date Achieved Compliance:	11/12/1999
Regulation Violated:	264.10-18.B
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	10/07/1999
Actual Date Achieved Compliance:	11/12/1999
Regulation Violated:	264.170-177.I
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	10/07/1999
Actual Date Achieved Compliance:	11/12/1999
Regulation Violated:	264.70-77.E
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	06/21/1999
Actual Date Achieved Compliance:	11/11/1999
Regulation Violated:	264.10-18.B
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	06/21/1999
Actual Date Achieved Compliance:	11/11/1999
Regulation Violated:	264.10-18.B
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	02/26/1998
Actual Date Achieved Compliance:	04/29/1998
Regulation Violated:	264.140-150.H
Area of Violation:	TSD-FINANCIAL RESPONSIBILITY REQUIREMENTS
Date Violation Determined:	02/04/1993
Actual Date Achieved Compliance:	07/09/1993
Regulation Violated:	268 ALL
Area of Violation:	TSD-LAND BAN REQUIREMENTS
Date Violation Determined:	02/04/1993
Actual Date Achieved Compliance:	02/18/1993
Regulation Violated:	264.70-77.E
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	02/04/1993
Actual Date Achieved Compliance:	02/18/1993
Regulation Violated:	264.10-18.B
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	12/06/1991
Actual Date Achieved Compliance:	02/06/1992

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON PLANT NUMBER 1 (Continued)

1000377893

Regulation Violated:	264.140-150.H
Area of Violation:	TSD-FINANCIAL RESPONSIBILITY REQUIREMENTS
Date Violation Determined:	05/08/1990
Actual Date Achieved Compliance:	11/02/1990
Regulation Violated:	270
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	04/16/1990
Actual Date Achieved Compliance:	10/14/1991
Regulation Violated:	270
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	04/16/1990
Actual Date Achieved Compliance:	10/14/1991
Regulation Violated:	270
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	04/16/1990
Actual Date Achieved Compliance:	10/14/1991
Regulation Violated:	270
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	10/17/1989
Actual Date Achieved Compliance:	10/18/1989
Regulation Violated:	264.70-77.E
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	10/17/1989
Actual Date Achieved Compliance:	10/18/1989
Regulation Violated:	270
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	10/11/1989
Actual Date Achieved Compliance:	12/15/1989
Regulation Violated:	264.70-77.E
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	10/11/1989
Actual Date Achieved Compliance:	12/15/1989
Regulation Violated:	270
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	07/26/1989
Actual Date Achieved Compliance:	06/20/1990
Regulation Violated:	268 ALL
Area of Violation:	TSD-LAND BAN REQUIREMENTS
Date Violation Determined:	02/17/1989
Actual Date Achieved Compliance:	02/15/1990
Regulation Violated:	268.7
Area of Violation:	GENERATOR-LAND BAN REQUIREMENTS
Date Violation Determined:	02/17/1989
Actual Date Achieved Compliance:	02/15/1990
Regulation Violated:	264.70-77.E
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	02/17/1989
Actual Date Achieved Compliance:	02/15/1990
Regulation Violated:	270
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	02/17/1989
Actual Date Achieved Compliance:	02/15/1990
Regulation Violated:	264.140-150.H
Area of Violation:	TSD-FINANCIAL RESPONSIBILITY REQUIREMENTS
Date Violation Determined:	02/08/1989

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

CROSBY & OVERTON PLANT NUMBER 1 (Continued)

EDR ID Number
EPA ID Number

Database(s)

1000377893

Actual Date Achieved Compliance:	10/18/1989
Regulation Violated:	268 ALL
Area of Violation:	TSD-LAND BAN REQUIREMENTS
Date Violation Determined:	12/03/1987
Actual Date Achieved Compliance:	02/17/1989
Regulation Violated:	268.7
Area of Violation:	GENERATOR-LAND BAN REQUIREMENTS
Date Violation Determined:	12/03/1987
Actual Date Achieved Compliance:	02/17/1989
Regulation Violated:	270
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	12/03/1987
Actual Date Achieved Compliance:	02/17/1989
Regulation Violated:	264.140-150.H
Area of Violation:	TSD-FINANCIAL RESPONSIBILITY REQUIREMENTS
Date Violation Determined:	11/24/1987
Actual Date Achieved Compliance:	10/18/1989
Regulation Violated:	268 ALL
Area of Violation:	TSD-LAND BAN REQUIREMENTS
Date Violation Determined:	11/12/1987
Actual Date Achieved Compliance:	12/15/1989
Regulation Violated:	268.7
Area of Violation:	GENERATOR-LAND BAN REQUIREMENTS
Date Violation Determined:	11/12/1987
Actual Date Achieved Compliance:	12/15/1989
Regulation Violated:	270
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	11/12/1987
Actual Date Achieved Compliance:	12/15/1989
Regulation Violated:	264.70-77.E
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	11/12/1987
Actual Date Achieved Compliance:	12/15/1989

Penalty Summary:

Penalty Description	Penalty Date	Penalty Amount	Lead Agency
Final Monetary Penalty	4/24/1998	4000	STATE
Final Monetary Penalty	7/9/1993	2500	STATE
Proposed Monetary Penalty	7/9/1993	6000	STATE

There are 49 violation record(s) reported at this site:

<u>Evaluation</u>	<u>Area of Violation</u>	<u>Date of Compliance</u>
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NY MANIFEST

Additional detail is available in NY MANIFEST. Please contact your EDR Account Executive for more information.

CT MANIFEST

Additional detail is available in CT MANIFEST. Please contact your EDR Account Executive for more information.

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

CROSBY & OVERTON PLANT NUMBER 1 (Continued)

EDR ID Number
EPA ID Number

Database(s)

1000377893

FINDS:

Other Pertinent Environmental Activity Identified at Site:

National Compliance Database (NCDB)

National Emissions Inventory (NEI)

Resource Conservation and Recovery Act Information system (RCRAINFO)

State LUST:

Cross Street: CANAL AVE

Qty Leaked: 0

Case Number 908130352

Reg Board: 4

Chemical: Gasoline

Lead Agency: Regional Board

Local Agency : 19060

Case Type: Other ground water affected

Status: Case Closed

Abate Method: Excavate and Treat - remove contaminated soil and treat (includes spreading or land farming), Remove Free Product - remove floating product from water table

Review Date: Not reported

Confirm Leak: Not reported

Workplan: Not reported

Prelim Assess: Not reported

Pollution Char: 3/19/93 0:00

Remed Plan: 3/19/93 0:00

Remed Action: Not reported

Monitoring: Not reported

Close Date: 8/29/96 0:00

Release Date: 11/14/1986

Cleanup Fund Id : Not reported

Discover Date : 01/01/1986

Enforcement Dt : Not reported

Enf Type: Not reported

Enter Date : 9/8/87 0:00

Funding: Not reported

Staff Initials: Not reported

How Discovered: Not reported

How Stopped: Not reported

Interim : Yes

Leak Cause: UNK

Leak Source: UNK

MTBE Date : Not reported

Max MTBE GW : Not reported

MTBE Tested: Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.

Priority: Not reported

Local Case # : 0

Beneficial: Not reported

Staff : UNK

GW Qualifier : Not reported

Max MTBE Soil : Not reported

Soil Qualifier : Not reported

Hydr Basin #: SAN FERNANDO VALLEY

Operator : LARRY BOYLE

Oversight Prgm: LUST

Review Date : 9/25/96 0:00

Stop Date : / /

Work Suspended :Not reported

Responsible PartyCROSBY AND OVERTON

RP Address: 1610 17TH ST W LONG BEACH CA 90813

Global Id: T0603701949

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

CROSBY & OVERTON PLANT NUMBER 1 (Continued)

1000377893

Org Name: Not reported
Contact Person: Not reported
MTBE Conc: Not reported
Mtbe Fuel: Not reported
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported

LUST Region 4:

Report Date: 11/14/1986
Lead Agency: Regional Board
Local Agency: 19060
Substance: Gasoline
Case Type: Groundwater
Status: Case Closed
Region: 4
Staff: UNK
Date Case Last Changed on Database: 9/25/96
Date Leak Record Entered: 9/8/87
Historical Max MTBE Date: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil : Not reported
County: Los Angeles
Organization : Not reported
Regional Board: 4
Owner Contact: Not reported
Responsible Party: CROSBY AND OVERTON
RP Address: 1610 17TH ST W LONG BEACH CA 90813
Significant Interim Remedial Action Taken: Yes
Program : LUST
Lat / Long : 34 / -118
Local Agency Staff: Not reported
Summary : FREE PRODUCT RECOVERY IN PROGRESS. ADDITIONAL SAP
REQUIRED.
Hydrologic Basin # : SAN FERNANDO VALLEY
Beneficial Use : Not reported
Priority : Not reported
Cleanup Fund Id : Not reported
Suspended : Not reported
Local Case No : Not reported
Substance Quantity : 0
Abatement Method Used at the Site: ETFP
Operator : LARRY BOYLE
Water System : Not reported
Well Name : Not reported
Approx. Dist To Production Well (ft) : 15505.95324
Assigned Name : Not reported
Source of Cleanup Funding: Not reported
Date the Leak was Discovered: 01/01/1986
How the Leak was Discovered: Not reported
How the Leak was Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Date The Leak was Stopped: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

CROSBY & OVERTON PLANT NUMBER 1 (Continued)

EDR ID Number
EPA ID Number

Database(s)

1000377893

Date Confirmation Leak Began: Not reported
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: Not reported
Remediation Plan Submitted: 3/19/93
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Date the Case was Closed: 8/29/96
Enforcement Action Date: Not reported
Date Leak First Reported: 11/14/1986
Enforcement Type: Not reported
Global ID : T0603701949
Cross Street: CANAL AVE

CORTESE:

Region: CORTESE
Fac Address 2: Not reported

FID:

Facility ID:	19056599	Regulate ID:	00003057
Reg By:	Active Underground Storage Tank Location		
Cortese Code:	Not reported	SIC Code:	Not reported
Status:	Active	Facility Tel:	(213) 432-5445
Mail To:	Not reported		
	1610 W 017TH ST		
	LONG BEACH, CA 90813		
Contact:	Not reported	Contact Tel:	Not reported
DUNS No:	Not reported	NPDES No:	Not reported
Creation:	10/22/93	Modified:	00/00/00
EPA ID:	Not reported		
Comments:	Not reported		

UST HIST:

Facility ID:	3057	Owner Name:	CROSBY & OVERTON, INC.
Total Tanks:	9	Region:	STATE
Owner Address:	1610 WEST 17TH STREET		
	LONG BEACH, CA 90813		
Tank Used for:	PRODUCT		
Tank Num:	1	Container Num:	EQ#00473 1
Tank Capacity:	00008000	Year Installed:	1974
Type of Fuel:	PREMIUM	Tank Construction:	Not Reported
Leak Detection:	None		
Contact Name:	Not reported	Telephone:	(213) 432-5445
Facility Type:	Other	Other Type:	HEAVY DUTY CLEANING
Facility ID:	3057	Owner Name:	CROSBY & OVERTON, INC.
Total Tanks:	9	Region:	STATE
Owner Address:	1610 WEST 17TH STREET		
	LONG BEACH, CA 90813		
Tank Used for:	PRODUCT		
Tank Num:	2	Container Num:	2 EQ#00474
Tank Capacity:	00009000	Year Installed:	1974
Type of Fuel:	DIESEL	Tank Construction:	Not Reported
Leak Detection:	None		
Contact Name:	Not reported	Telephone:	(213) 432-5445
Facility Type:	Other	Other Type:	HEAVY DUTY CLEANING
Facility ID:	3057	Owner Name:	CROSBY & OVERTON, INC.
Total Tanks:	9	Region:	STATE

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

CROSBY & OVERTON PLANT NUMBER 1 (Continued)

1000377893

Owner Address: 1610 WEST 17TH STREET
LONG BEACH, CA 90813

Tank Used for: PRODUCT

Tank Num: 3

Tank Capacity: 00001000

Type of Fuel: DIESEL

Leak Detection: None

Contact Name: Not reported

Facility Type: Other

Container Num: 3

Year Installed: Not reported

Tank Construction: Not Reported

Telephone: (213) 432-5445

Other Type: HEAVY DUTY CLEANING

Facility ID: 3057

Total Tanks: 9

Owner Address: 1610 WEST 17TH STREET
LONG BEACH, CA 90813

Tank Used for: PRODUCT

Tank Num: 4

Tank Capacity: 00001000

Type of Fuel: PREMIUM

Leak Detection: GW Monitoring Well, None

Contact Name: Not reported

Facility Type: Other

Owner Name: CROSBY & OVERTON, INC.

Region: STATE

Container Num: 4

Year Installed: Not reported

Tank Construction: Not Reported

Telephone: (213) 432-5445

Other Type: HEAVY DUTY CLEANING

Facility ID: 3057

Total Tanks: 9

Owner Address: 1610 WEST 17TH STREET
LONG BEACH, CA 90813

Tank Used for: PRODUCT

Tank Num: 5

Tank Capacity: 00003000

Type of Fuel: PREMIUM

Leak Detection: None

Contact Name: Not reported

Facility Type: Other

Owner Name: CROSBY & OVERTON, INC.

Region: STATE

Container Num: 5 EQ 00462

Year Installed: 1968

Tank Construction: Not Reported

Telephone: (213) 432-5445

Other Type: HEAVY DUTY CLEANING

Facility ID: 3057

Total Tanks: 9

Owner Address: 1610 WEST 17TH STREET
LONG BEACH, CA 90813

Tank Used for: PRODUCT

Tank Num: 6

Tank Capacity: 00010000

Type of Fuel: UNLEADED

Leak Detection: None

Contact Name: Not reported

Facility Type: Other

Owner Name: CROSBY & OVERTON, INC.

Region: STATE

Container Num: 6 EQ 00463

Year Installed: Not reported

Tank Construction: Not Reported

Telephone: (213) 432-5445

Other Type: HEAVY DUTY CLEANING

Facility ID: 3057

Total Tanks: 9

Owner Address: 1610 WEST 17TH STREET
LONG BEACH, CA 90813

Tank Used for: WASTE

Tank Num: 7

Tank Capacity: 00003000

Type of Fuel: WASTE OIL

Leak Detection: None

Contact Name: Not reported

Facility Type: Other

Owner Name: CROSBY & OVERTON, INC.

Region: STATE

Container Num: 7WASHDOWN

Year Installed: Not reported

Tank Construction: 6 inches

Telephone: (213) 432-5445

Other Type: HEAVY DUTY CLEANING

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

CROSBY & OVERTON PLANT NUMBER 1 (Continued)

EDR ID Number
EPA ID Number

Database(s)

1000377893

Facility ID: 3057
Total Tanks: 9
Owner Address: 1610 WEST 17TH STREET
LONG BEACH, CA 90813

Owner Name: CROSBY & OVERTON, INC.
Region: STATE

Tank Used for: WASTE
Tank Num: 8
Tank Capacity: 00004500
Type of Fuel: 06
Leak Detection: None
Contact Name: Not reported
Facility Type: Other

Container Num: 8 PLANT 1
Year Installed: 1974
Tank Construction: 6 inches

Telephone: (213) 432-5445
Other Type: HEAVY DUTY CLEANING

Facility ID: 3057
Total Tanks: 9
Owner Address: 1610 WEST 17TH STREET
LONG BEACH, CA 90813

Owner Name: CROSBY & OVERTON, INC.
Region: STATE

Tank Used for: WASTE
Tank Num: 9
Tank Capacity: 00000550
Type of Fuel: WASTE OIL
Leak Detection: None
Contact Name: Not reported
Facility Type: Other

Container Num: 9
Year Installed: 1983
Tank Construction: 10 gauge

Telephone: (213) 432-5445
Other Type: HEAVY DUTY CLEANING

S95
West
1/2-1
3892 ft.

QUALITY ALUMINUM FORGE INCORPORATED
1410 COTA AVE
LONG BEACH, CA 90813

FINDS 1004442859
EMI 110001177850

Site 1 of 2 in cluster S

Relative:
Lower

FINDS:

Other Pertinent Environmental Activity Identified at Site:
National Emissions Inventory (NEI)
National Emissions Trends (NET)

Actual:
8 ft.

EMISSIONS :

Facility ID : 71601
Air District Code : SC
SIC Code : 3542
Total Priority Score : Not reported
Health Risk Assessment : Not reported
Non-cancer Chronic Haz Index : Not reported
Non-cancer Acute Haz Index : Not reported
Air Basin : SC
Air District Name : SOUTH COAST AQMD
Community Health Air Pollution Info System : Not reported
Consolidated Emission Reporting Rule : Not reported
County Code : 19
County ID : 19

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Site Database(s) EDR ID Number
EPA ID Number

S96
West
1/2-1
3905 ft.

SEASIDE INCORPORATED
1439 COTA AVE.
LONG BEACH, CA 90813

Site 2 of 2 in cluster S

Relative:
Lower

RCRIS-SQG
FINDS
HAZNET
LUST
Cortese
HIST UST
EMI

1000382115
CAD982348328

Actual:
8 ft.

RCRIS:
Owner: SEASIDE INC
(415) 555-1212
EPA ID: CAD982348328
Contact: ENVIRONMENTAL MANAGER
(213) 435-6337
Classification: Small Quantity Generator
TSDF Activities: Not reported
Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:
National Emissions Inventory (NEI)
Resource Conservation and Recovery Act Information system (RCRAINFO)
Toxic Chemical Release Inventory System (TRIS)

State LUST:

Cross Street: ANAHEIM
Qty Leaked: 0
Case Number: 908130070
Reg Board: 4
Chemical: Solvents
Lead Agency: Regional Board
Local Agency: 19060
Case Type: Other ground water affected
Status: Case Closed
Abate Method: Remove Free Product - remove floating product from water table
Review Date: Not reported
Workplan: Not reported
Pollution Char: Not reported
Remed Action: Not reported
Monitoring: Not reported
Close Date: 11/22/94 0:00
Release Date: 07/13/1985
Cleanup Fund Id: Not reported
Discover Date: / /
Enforcement Dt: Not reported
Enf Type: Not reported
Enter Date: 12/31/86 0:00
Funding: Not reported
Staff Initials: Not reported
How Discovered: Not reported
How Stopped: Not reported
Interim: Yes
Leak Cause: UNK
Leak Source: UNK
MTBE Date: Not reported
Max MTBE GW: Not reported
MTBE Tested: Not Required to be Tested.
Priority: Not reported

Confirm Leak: Not reported
Prelim Assess: Not reported
Remed Plan: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

SEASIDE INCORPORATED (Continued)

1000382115

Local Case # : 0
Beneficial: Not reported
Staff : UNK
GW Qualifier : Not reported
Max MTBE Soil : Not reported
Soil Qualifier : Not reported
Hydr Basin #: SAN FERNANDO VALLEY
Operator : Not reported
Oversight Prgm: LUST
Review Date : 7/21/95 0:00
Stop Date : / /
Work Suspended : Not reported
Responsible Party: FRIEDLAND, JOEL
RP Address: PO BOX 2809, LONG BEACH CA 90801
Global Id: T0603701922
Org Name: Not reported
Contact Person: Not reported
MTBE Conc: Not reported
Mtbe Fuel: Not reported
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported

LUST Region 4:

Report Date: 07/13/1985
Lead Agency: Regional Board
Local Agency: 19060
Substance: Solvents
Case Type: Groundwater
Status: Case Closed
Region: 4
Staff: UNK
Date Case Last Changed on Database: 7/21/95
Date Leak Record Entered: 12/31/86
Historical Max MTBE Date: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil : Not reported
County: Los Angeles
Organization : Not reported
Regional Board: 4
Owner Contact: Not reported
Responsible Party: FRIEDLAND, JOEL
RP Address: PO BOX 2809, LONG BEACH CA 90801
Significant Interim Remedial Action Taken: Yes
Program : LUST
Lat / Long : 34 / -118
Local Agency Staff: Not reported
Summary : SITE IS IN REDEVELOPMENT AREA. STAFF REQUESTED
ADDITIONAL SAWORK TO DELINEATE VOC CONTAMINATION.
RP STATED THAT THE VOC CONTAMINATION WAS PART OF
AN AREA-WIDE PROBLEM. CITY OF LONGBEACH APPEALED
TO RAH ON OUR REQUEST FOR ADDI

Hydrologic Basin # : SAN FERNANDO VALLEY
Beneficial Use : Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

SEASIDE INCORPORATED (Continued)

EDR ID Number
EPA ID Number

Database(s)

1000382115

Priority : Not reported
Cleanup Fund Id : Not reported
Suspended : Not reported
Local Case No : Not reported
Substance Quantity : 0
Abatement Method Used at the Site: Remove Free Product
Operator : Not reported
Water System : Not reported
Well Name : Not reported
Approx. Dist To Production Well (ft) : 16148.3894
Assigned Name : Not reported
Source of Cleanup Funding: Not reported
Date the Leak was Discovered: / /
How the Leak was Discovered: Not reported
How the Leak was Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Date The Leak was Stopped: Not reported
Date Confirmation Leak Began: Not reported
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: 4/27/88
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Date the Case was Closed: 11/22/94
Enforcement Action Date: Not reported
Date Leak First Reported: 07/13/1985
Enforcement Type: Not reported
Global ID : T0603701922
Cross Street: ANAHEIM

HAZNET:

Gepaid: CAD982348328
TSD EPA ID: CAD000088252
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .0000
Waste Category: Latex waste
Disposal Method: Not reported
Contact: Not reported
Telephone: (000) 000-0000
Mailing Address: 1439 COTA AVE
LONG BEACH, CA 90813
County Los Angeles
Gepaid: CAD982348328
TSD EPA ID: CAD000088252
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 9.0614
Waste Category: Hydrocarbon solvents (benzene, hexane, Stoddard, etc.)
Disposal Method: Not reported
Contact: Not reported
Telephone: (000) 000-0000
Mailing Address: 1439 COTA AVE
LONG BEACH, CA 90813
County Los Angeles

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

SEASIDE INCORPORATED (Continued)

EDR ID Number
EPA ID Number

Database(s)

1000382115

Gepaid: CAD982348328
TSD EPA ID: CAD000088252
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 2.9190
Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method: Transfer Station
Contact: Not reported
Telephone: (000) 000-0000
Mailing Address: 1439 COTA AVE
LONG BEACH, CA 90813
County: Los Angeles

Gepaid: CAD982348328
TSD EPA ID: CAD089446710
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 1.0425
Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method: Recycler
Contact: Not reported
Telephone: (000) 000-0000
Mailing Address: 1439 COTA AVE
LONG BEACH, CA 90813
County: Los Angeles

Gepaid: CAD982348328
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: 0
Tons: .6255
Waste Category: Aqueous solution with 10% or more total organic residues
Disposal Method: Transfer Station
Contact: Not reported
Telephone: (000) 000-0000
Mailing Address: 1439 COTA AVE
LONG BEACH, CA 90813
County: Los Angeles

CORTESE:
Region: CORTESE
Fac Address 2: Not reported

UST HIST:
Facility ID: 6458
Total Tanks: 13
Owner Address: 1439 COTA AVENUE
LONG BEACH, CA 90813
Tank Used for: PRODUCT
Tank Num: 1
Tank Capacity: 00000000
Type of Fuel: PREMIUM
Leak Detection: GW Monitoring Well
Contact Name: JOEL FRIEDLAND
Facility Type: Other

Owner Name: SEASIDE PAINT & LACQUER CO., I
Region: STATE

Container Num: 12
Year Installed: Not reported
Tank Construction: 10 gauge

Telephone: (213) 435-6337
Other Type: COATINGS MFG.

Facility ID: 6458
Total Tanks: 13
Owner Address: 1439 COTA AVENUE

Owner Name: SEASIDE PAINT & LACQUER CO., I
Region: STATE

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

SEASIDE INCORPORATED (Continued)

EDR ID Number
EPA ID Number

Database(s)

1000382115

LONG BEACH, CA 90813
Tank Used for: PRODUCT
Tank Num: 2
Tank Capacity: 00000000
Type of Fuel: Not reported
Leak Detection: GW Monitoring Well
Contact Name: JOEL FRIEDLAND
Facility Type: Other

Container Num: 6
Year Installed: Not reported
Tank Construction: 10 gauge

Telephone: (213) 435-6337
Other Type: COATINGS MFG.

Facility ID: 6458
Total Tanks: 13
Owner Address: 1439 COTA AVENUE
LONG BEACH, CA 90813

Owner Name: SEASIDE PAINT & LACQUER CO., I
Region: STATE

Tank Used for: PRODUCT
Tank Num: 3
Tank Capacity: 00000000
Type of Fuel: Not reported
Leak Detection: GW Monitoring Well
Contact Name: JOEL FRIEDLAND
Facility Type: Other

Container Num: 10
Year Installed: Not reported
Tank Construction: 10 gauge

Telephone: (213) 435-6337
Other Type: COATINGS MFG.

Facility ID: 6458
Total Tanks: 13
Owner Address: 1439 COTA AVENUE
LONG BEACH, CA 90813

Owner Name: SEASIDE PAINT & LACQUER CO., I
Region: STATE

Tank Used for: PRODUCT
Tank Num: 4
Tank Capacity: 00000000
Type of Fuel: Not reported
Leak Detection: GW Monitoring Well
Contact Name: JOEL FRIEDLAND
Facility Type: Other

Container Num: 9
Year Installed: Not reported
Tank Construction: 10 gauge

Telephone: (213) 435-6337
Other Type: COATINGS MFG.

Facility ID: 6458
Total Tanks: 13
Owner Address: 1439 COTA AVENUE
LONG BEACH, CA 90813

Owner Name: SEASIDE PAINT & LACQUER CO., I
Region: STATE

Tank Used for: PRODUCT
Tank Num: 5
Tank Capacity: 00000000
Type of Fuel: Not reported
Leak Detection: GW Monitoring Well
Contact Name: JOEL FRIEDLAND
Facility Type: Other

Container Num: 11
Year Installed: Not reported
Tank Construction: 10 gauge

Telephone: (213) 435-6337
Other Type: COATINGS MFG.

Facility ID: 6458
Total Tanks: 13
Owner Address: 1439 COTA AVENUE
LONG BEACH, CA 90813

Owner Name: SEASIDE PAINT & LACQUER CO., I
Region: STATE

Tank Used for: PRODUCT
Tank Num: 6
Tank Capacity: 00000000
Type of Fuel: Not reported
Leak Detection: GW Monitoring Well
Contact Name: JOEL FRIEDLAND
Facility Type: Other

Container Num: 7
Year Installed: Not reported
Tank Construction: 10 gauge

Telephone: (213) 435-6337
Other Type: COATINGS MFG.

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

SEASIDE INCORPORATED (Continued)

1000382115

Facility ID: 6458
Total Tanks: 13
Owner Address: 1439 COTA AVENUE
LONG BEACH, CA 90813
Tank Used for: PRODUCT
Tank Num: 7
Tank Capacity: 00000000
Type of Fuel: Not reported
Leak Detection: GW Monitoring Well
Contact Name: JOEL FRIEDLAND
Facility Type: Other

Owner Name: SEASIDE PAINT & LACQUER CO., I
Region: STATE

Container Num: 8
Year Installed: Not reported
Tank Construction: 10 gauge

Telephone: (213) 435-6337
Other Type: COATINGS MFG.

Facility ID: 6458
Total Tanks: 13
Owner Address: 1439 COTA AVENUE
LONG BEACH, CA 90813
Tank Used for: PRODUCT
Tank Num: 8
Tank Capacity: 00000000
Type of Fuel: Not reported
Leak Detection: GW Monitoring Well
Contact Name: JOEL FRIEDLAND
Facility Type: Other

Owner Name: SEASIDE PAINT & LACQUER CO., I
Region: STATE

Container Num: 13
Year Installed: Not reported
Tank Construction: 10 gauge

Telephone: (213) 435-6337
Other Type: COATINGS MFG.

Facility ID: 6458
Total Tanks: 13
Owner Address: 1439 COTA AVENUE
LONG BEACH, CA 90813
Tank Used for: PRODUCT
Tank Num: 9
Tank Capacity: 00000000
Type of Fuel: Not reported
Leak Detection: GW Monitoring Well
Contact Name: JOEL FRIEDLAND
Facility Type: Other

Owner Name: SEASIDE PAINT & LACQUER CO., I
Region: STATE

Container Num: 5
Year Installed: Not reported
Tank Construction: 10 gauge

Telephone: (213) 435-6337
Other Type: COATINGS MFG.

Facility ID: 6458
Total Tanks: 13
Owner Address: 1439 COTA AVENUE
LONG BEACH, CA 90813
Tank Used for: PRODUCT
Tank Num: 10
Tank Capacity: 00000000
Type of Fuel: Not reported
Leak Detection: GW Monitoring Well
Contact Name: JOEL FRIEDLAND
Facility Type: Other

Owner Name: SEASIDE PAINT & LACQUER CO., I
Region: STATE

Container Num: 1
Year Installed: Not reported
Tank Construction: 10 gauge

Telephone: (213) 435-6337
Other Type: COATINGS MFG.

Facility ID: 6458
Total Tanks: 13
Owner Address: 1439 COTA AVENUE
LONG BEACH, CA 90813
Tank Used for: PRODUCT
Tank Num: 11
Tank Capacity: 00000000
Type of Fuel: Not reported

Owner Name: SEASIDE PAINT & LACQUER CO., I
Region: STATE

Container Num: 3
Year Installed: Not reported
Tank Construction: 10 gauge

Database(s)

EDR ID Number
EPA ID Number

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

SEASIDE INCORPORATED (Continued)

1000382115

Leak Detection: GW Monitoring Well
Contact Name: JOEL FRIEDLAND
Facility Type: Other

Facility ID: 6458
Total Tanks: 13
Owner Address: 1439 COTA AVENUE
LONG BEACH, CA 90813

Telephone: (213) 435-6337
Other Type: COATINGS MFG.

Owner Name: SEASIDE PAINT & LACQUER CO., I
Region: STATE

Tank Used for: PRODUCT
Tank Num: 12
Tank Capacity: 00000000
Type of Fuel: Not reported
Leak Detection: GW Monitoring Well
Contact Name: JOEL FRIEDLAND
Facility Type: Other

Container Num: 2
Year Installed: Not reported
Tank Construction: 10 gauge

Telephone: (213) 435-6337
Other Type: COATINGS MFG.

Facility ID: 6458
Total Tanks: 13
Owner Address: 1439 COTA AVENUE
LONG BEACH, CA 90813

Owner Name: SEASIDE PAINT & LACQUER CO., I
Region: STATE

Tank Used for: PRODUCT
Tank Num: 13
Tank Capacity: 00000000
Type of Fuel: Not reported
Leak Detection: GW Monitoring Well
Contact Name: JOEL FRIEDLAND
Facility Type: Other

Container Num: 4
Year Installed: Not reported
Tank Construction: 10 gauge

Telephone: (213) 435-6337
Other Type: COATINGS MFG.

EMISSIONS :

Facility ID : 10039
Air District Code : SC
SIC Code : 2851
Total Priority Score : Not reported
Health Risk Assessment : Not reported
Non-cancer Chronic Haz Index : Not reported
Non-cancer Acute Haz Index : Not reported
Air Basin : SC
Air District Name : SOUTH COAST AQMD
Community Health Air Pollution Info System : Not reported
Consolidated Emission Reporting Rule : Not reported
County Code : 19
County ID : 19

97
WNW
1/2-1
4127 ft.

ROSS AUTO BODY
1756 SANTA FE
LONG BEACH, CA 90813

FINDS 1006824393
EMI 110013829839

Relative:
Equal

FINDS:
Other Pertinent Environmental Activity Identified at Site:
National Emissions Inventory (NEI)

Actual:
12 ft.

EMISSIONS :
Facility ID : 67350
Air District Code : SC
SIC Code : 7538
Total Priority Score : Not reported
Health Risk Assessment : Not reported
Non-cancer Chronic Haz Index : Not reported
Non-cancer Acute Haz Index : Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

ROSS AUTO BODY (Continued)

EDR ID Number
EPA ID Number

Database(s)

1006824393

Air Basin : SC
Air District Name : SOUTH COAST AQMD
Community Health Air Pollution Info System : Not reported
Consolidated Emission Reporting Rule : Not reported
County Code : 19
County ID : 19

98 J. H. BAXTER & CO
WSW 1710 PIER B AVE
1/2-1 LONG BEACH, CA 90802
4497 ft.

EMI S105938210
N/A

Relative:
Lower

EMISSIONS :

Facility ID : 18821
Air District Code : SC
SIC Code : 2491
Total Priority Score : Not reported
Health Risk Assessment : Not reported
Non-cancer Chronic Haz Index : Not reported
Non-cancer Acute Haz Index : Not reported
Air Basin : SC
Air District Name : SOUTH COAST AQMD
Community Health Air Pollution Info System : Not reported
Consolidated Emission Reporting Rule : Not reported
County Code : 19
County ID : 19

Actual:
5 ft.

99 VEHICLE PROCESSORS, INC.
WSW 785 EDISON AVE
1/2-1 LONG BEACH, CA 90813
4498 ft.

HIST UST U001566332
EMI N/A

Relative:
Lower

UST HIST:

Facility ID: 17673
Total Tanks: 10
Owner Address: 785 EDISON AVE.
LONG BEACH, CA 90813

Owner Name: VEHICLE PROCESSORS, INC.
Region: STATE

Tank Used for: WASTE
Tank Num: 1
Tank Capacity: 00025000
Type of Fuel: Not reported
Leak Detection: Visual

Container Num: T-111A
Year Installed: 1982
Tank Construction: 1/4 inches

Contact Name: JOE KOLKMEYER
Facility Type: Other

Telephone: (213) 437-6767
Other Type: AUTO IMPORT PROCESSI

Facility ID: 17673
Total Tanks: 10
Owner Address: 785 EDISON AVE.
LONG BEACH, CA 90813

Owner Name: VEHICLE PROCESSORS, INC.
Region: STATE

Tank Used for: WASTE
Tank Num: 2
Tank Capacity: 00025000
Type of Fuel: Not reported
Leak Detection: Visual

Container Num: T-111B
Year Installed: 1982
Tank Construction: 1/4 inches

Contact Name: JOE KOLKMEYER
Facility Type: Other

Telephone: (213) 437-6767
Other Type: AUTO IMPORT PROCESSI

Facility ID: 17673

Owner Name: VEHICLE PROCESSORS, INC.

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

VEHICLE PROCESSORS, INC. (Continued)

EDR ID Number
EPA ID Number

Database(s)

U001566332

Total Tanks: 10
Owner Address: 785 EDISON AVE.
LONG BEACH, CA 90813
Tank Used for: WASTE
Tank Num: 3
Tank Capacity: 00025000
Type of Fuel: Not reported
Leak Detection: Visual
Contact Name: JOE KOLKMEYER
Facility Type: Other

Region: STATE

Container Num: T-111C
Year Installed: 1982
Tank Construction: 1/4 inches

Telephone: (213) 437-6767
Other Type: AUTO IMPORT PROCESSI

Facility ID: 17673
Total Tanks: 10
Owner Address: 785 EDISON AVE.
LONG BEACH, CA 90813
Tank Used for: WASTE
Tank Num: 4
Tank Capacity: 00025000
Type of Fuel: Not reported
Leak Detection: Visual
Contact Name: JOE KOLKMEYER
Facility Type: Other

Owner Name: VEHICLE PROCESSORS, INC.
Region: STATE

Container Num: T-111D
Year Installed: 1982
Tank Construction: 1/4 inches

Telephone: (213) 437-6767
Other Type: AUTO IMPORT PROCESSI

Facility ID: 17673
Total Tanks: 10
Owner Address: 785 EDISON AVE.
LONG BEACH, CA 90813
Tank Used for: PRODUCT
Tank Num: 5
Tank Capacity: 00025000
Type of Fuel: Not reported
Leak Detection: Visual
Contact Name: JOE KOLKMEYER
Facility Type: Other

Owner Name: VEHICLE PROCESSORS, INC.
Region: STATE

Container Num: T-115
Year Installed: 1982
Tank Construction: 1/4 inches

Telephone: (213) 437-6767
Other Type: AUTO IMPORT PROCESSI

Facility ID: 17673
Total Tanks: 10
Owner Address: 785 EDISON AVE.
LONG BEACH, CA 90813
Tank Used for: WASTE
Tank Num: 6
Tank Capacity: 00008141
Type of Fuel: Not reported
Leak Detection: Visual
Contact Name: JOE KOLKMEYER
Facility Type: Other

Owner Name: VEHICLE PROCESSORS, INC.
Region: STATE

Container Num: T-116
Year Installed: 1982
Tank Construction: 1/4 inches

Telephone: (213) 437-6767
Other Type: AUTO IMPORT PROCESSI

Facility ID: 17673
Total Tanks: 10
Owner Address: 785 EDISON AVE.
LONG BEACH, CA 90813
Tank Used for: PRODUCT
Tank Num: 7
Tank Capacity: 00010000
Type of Fuel: DIESEL
Leak Detection: Visual
Contact Name: JOE KOLKMEYER

Owner Name: VEHICLE PROCESSORS, INC.
Region: STATE

Container Num: T-122
Year Installed: 1982
Tank Construction: 1/4 inches

Telephone: (213) 437-6767

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

VEHICLE PROCESSORS, INC. (Continued)

U001566332

Facility Type:	Other	Other Type:	AUTO IMPORT PROCESSI
Facility ID:	17673	Owner Name:	VEHICLE PROCESSORS, INC.
Total Tanks:	10	Region:	STATE
Owner Address:	785 EDISON AVE. LONG BEACH, CA 90813		
Tank Used for:	WASTE		
Tank Num:	8	Container Num:	S-128
Tank Capacity:	00025000	Year Installed:	1982
Type of Fuel:	Not reported	Tank Construction:	3/8 inches
Leak Detection:	Visual		
Contact Name:	JOE KOLKMEYER	Telephone:	(213) 437-6767
Facility Type:	Other	Other Type:	AUTO IMPORT PROCESSI
Facility ID:	17673	Owner Name:	VEHICLE PROCESSORS, INC.
Total Tanks:	10	Region:	STATE
Owner Address:	785 EDISON AVE. LONG BEACH, CA 90813		
Tank Used for:	PRODUCT		
Tank Num:	9	Container Num:	G-100
Tank Capacity:	00025000	Year Installed:	1982
Type of Fuel:	UNLEADED	Tank Construction:	Not Reported
Leak Detection:	Visual		
Contact Name:	JOE KOLKMEYER	Telephone:	(213) 437-6767
Facility Type:	Other	Other Type:	AUTO IMPORT PROCESSI
Facility ID:	17673	Owner Name:	VEHICLE PROCESSORS, INC.
Total Tanks:	10	Region:	STATE
Owner Address:	785 EDISON AVE. LONG BEACH, CA 90813		
Tank Used for:	PRODUCT		
Tank Num:	10	Container Num:	D-100
Tank Capacity:	00010000	Year Installed:	1982
Type of Fuel:	DIESEL	Tank Construction:	Not Reported
Leak Detection:	Visual		
Contact Name:	JOE KOLKMEYER	Telephone:	(213) 437-6767
Facility Type:	Other	Other Type:	AUTO IMPORT PROCESSI

EMISSIONS :

Facility ID :	38908
Air District Code :	SC
SIC Code :	5012
Total Priority Score :	Not reported
Health Risk Assessment :	Not reported
Non-cancer Chronic Haz Index :	Not reported
Non-cancer Acute Haz Index :	Not reported
Air Basin :	SC
Air District Name :	SOUTH COAST AQMD
Community Health Air Pollution Info System :	Not reported
Consolidated Emission Reporting Rule :	Not reported
County Code :	19
County ID :	19

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

100
West
1/2-1
4565 ft.

QUALITY BUMPERS
1442 HAYES AVE
LONG BEACH, CA 90813

FINDS
HAZNET
EMI

1006824293
110013828803

Relative:
Lower

FINDS:
Other Pertinent Environmental Activity Identified at Site:
National Emissions Inventory (NEI)

Actual:
7 ft.

HAZNET:
Gepaid: CAL000168124
TSD EPA ID: CAD008252405
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .0583
Waste Category: Unspecified solvent mixture Waste
Disposal Method: Recycler
Contact: RAUL MOLINA
Telephone: (213) 582-2750
Mailing Address: 1442 HAYES AVE
LONG BEACH, CA 90813 - 1124
County: Los Angeles
Gepaid: CAL000168124
TSD EPA ID: CAD008252405
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .0250
Waste Category: Other organic solids
Disposal Method: Recycler
Contact: RAUL MOLINA
Telephone: (213) 582-2750
Mailing Address: 1442 HAYES AVE
LONG BEACH, CA 90813 - 1124
County: Los Angeles

EMISSIONS :
Facility ID : 99793
Air District Code : SC
SIC Code : 7539
Total Priority Score : Not reported
Health Risk Assessment : Not reported
Non-cancer Chronic Haz Index : Not reported
Non-cancer Acute Haz Index : Not reported
Air Basin : SC
Air District Name : SOUTH COAST AQMD
Community Health Air Pollution Info System : Not reported
Consolidated Emission Reporting Rule : Not reported
County Code : 19
County ID : 19

101
ENE
1/2-1
4597 ft.

HI-TECK AUTO REPAIR AND BODY C
235 EAST PACIFIC COAST HWY
LONG BEACH, CA 90806

EMI
1006824542
N/A

Relative:
Higher

EMISSIONS :
Facility ID : 106149
Air District Code : SC
SIC Code : 7532
Total Priority Score : Not reported
Health Risk Assessment : Not reported

Actual:
19 ft.

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

HI-TECK AUTO REPAIR AND BODY C (Continued)

EDR ID Number
EPA ID Number

Database(s)

1006824542

Non-cancer Chronic Haz Index : Not reported
Non-cancer Acute Haz Index : Not reported
Air Basin : SC
Air District Name : SOUTH COAST AQMD
Community Health Air Pollution Info System : Not reported
Consolidated Emission Reporting Rule : Not reported
County Code : 19
County ID : 19

102
SW
1/2-1
4825 ft.

HANJIN TERMINAL
1521 PIER C ST
LONG BEACH, CA 90813

FINDS 1006824579
HAZNET 110013831782
EMI

Relative:
Lower

FINDS:
Other Pertinent Environmental Activity Identified at Site:
National Emissions Inventory (NEI)

Actual:
8 ft.

HAZNET:
Gepaid: CAL000241852
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 3.12
Waste Category: Liquids with halogenated organic compounds > 1000 mg/l
Disposal Method: Recycler
Contact: MARY YLAUAN
Telephone: (562) 495-8571
Mailing Address: 1521 PIER C
LONG BEACH, CA 90813
County Not reported

EMISSIONS :
Facility ID : 102027
Air District Code : SC
SIC Code : 4491
Total Priority Score : Not reported
Health Risk Assessment : Not reported
Non-cancer Chronic Haz Index : Not reported
Non-cancer Acute Haz Index : Not reported
Air Basin : SC
Air District Name : SOUTH COAST AQMD
Community Health Air Pollution Info System : Not reported
Consolidated Emission Reporting Rule : Not reported
County Code : 19
County ID : 19

103
West
1/2-1
5277 ft.

NATIONAL GYPSUM COMPANY
1850 PIER B ST
LONG BEACH, CA 90813

HAZNET U003661324
UST N/A
EMI

Relative:
Lower

Actual:
5 ft.

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NATIONAL GYPSUM COMPANY (Continued)

U003661324

HAZNET:

Gepaid: CAD981456957
TSD EPA ID: CAD982444481
Gen County: Los Angeles
Tsd County: San Bernardino
Tons: 3.3360
Waste Category: Unspecified oil-containing waste
Disposal Method: Recycler
Contact: VICTOR SERENO
Telephone: (562) 435-4465
Mailing Address: 1850 PIER B ST
LONG BEACH, CA 90813 - 2604
County: Los Angeles

Gepaid: CAD981456957
TSD EPA ID: CAD982444481
Gen County: Los Angeles
Tsd County: San Bernardino
Tons: 2.8500
Waste Category: Other organic solids
Disposal Method: Transfer Station
Contact: VICTOR SERENO
Telephone: (562) 435-4465
Mailing Address: 1850 PIER B ST
LONG BEACH, CA 90813 - 2604
County: Los Angeles

Gepaid: CAD981456957
TSD EPA ID: CAD982444481
Gen County: Los Angeles
Tsd County: San Bernardino
Tons: .2085
Waste Category: Aqueous solution with less than 10% total organic residues
Disposal Method: Transfer Station
Contact: VICTOR SERENO
Telephone: (562) 435-4465
Mailing Address: 1850 PIER B ST
LONG BEACH, CA 90813 - 2604
County: Los Angeles

Gepaid: CAD981456957
TSD EPA ID: CAD982444481
Gen County: Los Angeles
Tsd County: San Bernardino
Tons: .2085
Waste Category: Oil/water separation sludge
Disposal Method: Transfer Station
Contact: VICTOR SERENO
Telephone: (562) 435-4465
Mailing Address: 1850 PIER B ST
LONG BEACH, CA 90813 - 2604
County: Los Angeles

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

NATIONAL GYPSUM COMPANY (Continued)

EDR ID Number
EPA ID Number

Database(s)

U003661324

Gepaid: CAD981456957
TSD EPA ID: CAD982444481
Gen County: Los Angeles
Tsd County: San Bernardino
Tons: 2.4750
Waste Category: Other organic solids
Disposal Method: Recycler
Contact: VICTOR SERENO
Telephone: (562) 435-4465
Mailing Address: 1850 PIER B ST
LONG BEACH, CA 90813 - 2604
County Los Angeles

The CA HAZNET database contains 39 additional records for this site.
For more information, please [click here](#) while viewing on your computer,
or contact your EDR Account Executive.

EMISSIONS :

Facility ID : 12428
Air District Code : SC
SIC Code : 3275
Total Priority Score : Not reported
Health Risk Assessment : Not reported
Non-cancer Chronic Haz Index : Not reported
Non-cancer Acute Haz Index : Not reported
Air Basin : SC
Air District Name : SOUTH COAST AQMD
Community Health Air Pollution Info System : Y
Consolidated Emission Reporting Rule : Not reported
County Code : 19
County ID : 19

UST Long Beach:

Total Tanks:	0T	Region:	LONG BEACH
Tank Test:	Not reported	Leak Test:	Not reported

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
COMPTON	1003878484	CHEROKEE TRUCKING	414 E BANNING AVE	90813	CERC-NFRAP
LONG BEACH	U003854640	UNOCAL - TOSCO (2 D/W JOOR)	5630 E 07TH ST		UST
LONG BEACH	U003854639	RECREATION PARK G.C. (1 D/W MODERN	5001 E 07TH ST		UST
LONG BEACH	U003854638	VERIZON TERMINO C.O. (1 D/W JOOR)	3980 E 07TH ST		UST
LONG BEACH	U003854636	LOMA MOBIL (2 D/W TRUSCO)	3605 E 07TH ST		UST
LONG BEACH	U003854635	PRESTIGE SS #9503 (3 10M D/W XERXE	2330 E 07TH ST		UST
LONG BEACH	U003854634	USA GASOLINE CORP #235 (3 D/W MODE	0907 E 07TH ST	90813	UST
LONG BEACH	U003854633	UNITED OIL #18 (3 10M D/W XERXES)	0501 W 07TH ST	90813	UST
LONG BEACH	S103678903	MURPHY IND COATINGS LONG BEACH	HWY 1/103/110 INTERSECTIONS OF		HAZNET
LONG BEACH	S103441348	LONG BEACH DISPOSAL	1327 W. 12TH, LONG BEACH		WMUDS/SWAT
LONG BEACH	U003854663	LACO METRO (2 D/W ACE BUEHLER)	4350 E 208TH ST		UST
LONG BEACH	S103675916	MURPHY INDUSTRIAL COATINGS INC	91/710 / 91/605 RETROFIT		HAZNET
LONG BEACH	S100929265	ALLWASTE ENVIRONMENTAL SERVICES	933 / 925 WEST ESTHER STREET	90813	HAZNET
LONG BEACH	1005904451	CALTRANS	L A 710 PM 6.8/9.7	90813	FINDS, RCRIS-LQG
LONG BEACH	S105911442	GLENN E. THOMAS AUTO (FORMER)	340 ANAHEIM	90813	CA SLIC
LONG BEACH	U003937794	ARCO #9505	998 E ANAHEIM ST	90813	UST
LONG BEACH	S103678152	PORT OF LONG BEACH	ANAHEIM ST BRIDGE LA RIVER		HAZNET
LONG BEACH	S102060598	LA CO DPW FLOOD LOS ALTOS PP	6560 E ANAHEIM RD		LOS ANGELES CO. HMS
LONG BEACH	S105181182	LONG BEACH TRANSIT	1963 ANAHEIM ST	90813	LUST
LONG BEACH	U003854701	LONG BEACH MARINE BUREAU (500 D/W	6101 APPIAN WAY		UST
LONG BEACH	S103976515	MARTIN CONTAINER INC	710 FREEWAY NORTHBOUND	90813	HAZNET
LONG BEACH	U003854773	LA CO PUB WRKS (SEASIDE PUMP) D/W	0600 GOLDEN SHORE		UST
LONG BEACH	S105887467		301 HANJIN RD.		HAZNET, CHMIRS
LONG BEACH	S106116214	APM TERMINALS	570 HARBOR SCENIC WAY PIER J	90802	LUST
LONG BEACH	S100204232	EDISON/LONG BEACH II MGP	INTERSECTION OCEAN BLVD/E	90802	Cal-Sites, Cortese
LONG BEACH	U003854790	THE BOEING CO (3 D/W TANKS)	3855 LAKEWOOD BLVD		UST
LONG BEACH	U003854794	VERIZON L.B. TOLL/NACC (35M D/W JO	5077 LEW DAVIS DR		UST
LONG BEACH	S103992532		LONG BEACH HARBOR		HAZNET, CHMIRS
LONG BEACH	S102360927	LA CITY ENERGY RECOVERY PROJECT (R	LONG BEACH AVE @ MARTIN LUTHER		SWF/LF
LONG BEACH	S102360798	SAN CARLOS DUMP	LONG BEACH FWY NEAR LA RIVER		SWF/LF
LONG BEACH	U003920394	APRO, LLC (2 15M D/W XERXES)	3565 LOS COYOTES DIAG		UST
LONG BEACH	U003920393	ARCO FAC. #9519-CORP LEASE (3 D/W	3100 LOS COYOTES DIAG		UST
LONG BEACH	U003660994	CBHS @ LOS ALTOS - 1 S/W STEEL	3340 LOS COYOTES DIAG		UST
LONG BEACH	S105003788	SITE #4 - MOLE EXTENSION OPERATIO	US NAVAL STATION ON THE JETTY		SWF/LF
LONG BEACH	S105003789	SITE # 5 SKEET RANGE SW FILL AREA	NAVAY WAY AND PILCHARD STREET		SWF/LF
LONG BEACH	S104573040	STATE OF CALIFORNIA	ON NICHOLSON AVE NORTH OF WEST	90813	HAZNET
LONG BEACH	1000231526	USNAVY LONG BEACH NAVAL SHIPYARD	TERMINAL ISLAND NAVAL COMPLEX		PADS, HAZNET, CHMIRS, RCRIS-LQ RCRIS-TSD, CORRACTS, HIST UST, VCP
LONG BEACH	S102360871	US NAVAL BASE TERMINAL ISLAND(THE	TERMINAL ISLAND, LONG BEACH		SWF/LF
LONG BEACH	S106198551	LA COUNTY FLOOD CONTROL DUMP	SW WESTMINSTERAVE AND HWY 1 (P		SWF/LF
LOS ANGELES COUNTY	S105637568		BERTH 70, LONG BEACH HARBOUR		HAZNET, CHMIRS
LOS ANGELES COUNTY	S105641187		BERTH 30 LONG BEACH HARBOUR		HAZNET, CHMIRS

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
LOS ANGELES COUNTY	S105630661		FLORENCE AVE / TELEGRAPH RD WH		LUST, CHMIRS
WILMINGTON	S103678151	PORT OF LONG BEACH	ANAHEIM ST BETW FARRAGUT / I S	90813	HAZNET

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number	EPA ID Number
CHEROKEE TRUCKING 414 E BANNING AVE COMPTON, CA 90813	CERC-NFRAP	1003878484	CAD980636542
CERCLIS-NFRAP Classification Data:			
Site Incident Category: Non-Oil Spill	Federal Facility:	Not a Federal Facility	
Non NPL Code: NFRAP			
Ownership Status: Private	NPL Status:	Not on the NPL	
Site Description: SEE COMMENT GROUP 002			
CERCLIS-NFRAP Assessment History:			
Assessment: DISCOVERY	Completed:	06/01/1981	
Assessment: PRELIMINARY ASSESSMENT	Completed:	09/01/1984	
Assessment: REMOVAL	Completed:	02/16/1985	
Assessment: SITE INSPECTION	Completed:	10/04/1989	
Assessment: SITE INSPECTION	Completed:	01/23/1992	
Assessment: ARCHIVE SITE	Completed:	01/23/1996	
CERCLIS-NFRAP Alias Name(s): CROSBY & OVERTON INC			
UNOCAL - TOSCO (2 D/W JOOR) 5630 E 07TH ST LONG BEACH, CA	UST	U003854640	N/A
UST Long Beach:			
Total Tanks: 2T	Region:	LONG BEACH	
Tank Test: Dual Walled	Leak Test:	Not reported	
RECREATION PARK G.C. (1 D/W MODERN) 5001 E 07TH ST LONG BEACH, CA	UST	U003854639	N/A
UST Long Beach:			
Total Tanks: 1T	Region:	LONG BEACH	
Tank Test: Dual Walled	Leak Test:	Not reported	
VERIZON TERMINO C.O. (1 D/W JOOR) 3980 E 07TH ST LONG BEACH, CA	UST	U003854638	N/A
UST Long Beach:			
Total Tanks: 1T	Region:	LONG BEACH	
Tank Test: Dual Walled	Leak Test:	Not reported	
LOMA MOBIL (2 D/W TRUSCO) 3605 E 07TH ST LONG BEACH, CA	UST	U003854636	N/A
UST Long Beach:			
Total Tanks: 2T	Region:	LONG BEACH	
Tank Test: Dual Walled	Leak Test:	Not reported	

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
PRESTIGE SS #9503 (3 10M D/W XERXES) 2330 E 07TH ST LONG BEACH, CA UST Long Beach: Total Tanks: 3T Tank Test: Dual Walled Region: LONG BEACH Leak Test: Not reported	UST	U003854635 N/A
USA GASOLINE CORP #235 (3 D/W MODERN) 0907 E 07TH ST LONG BEACH, CA UST Long Beach: Total Tanks: 3T Tank Test: Dual Walled Region: LONG BEACH Leak Test: Not reported	UST	U003854634 N/A
UNITED OIL #18 (3 10M D/W XERXES) 0501 W 07TH ST LONG BEACH, CA UST Long Beach: Total Tanks: 3T Tank Test: Dual Walled Region: LONG BEACH Leak Test: Not reported	UST	U003854633 N/A
MURPHY IND COATINGS LONG BEACH HWY 1/103/110 INTERSECTIONS OF LONG BEACH, CA 00000 HAZNET: Gepaid: CAP600928619 TSD EPA ID: CAD000088252 Gen County: 0 Tsd County: Los Angeles Tons: 1.6856 Waste Category: Other inorganic solid waste Disposal Method: Transfer Station Contact: Not reported Telephone: (000) 000-0000 Mailing Address: 00000 County: 0	HAZNET	S103678903 N/A
LONG BEACH DISPOSAL 1327 W. 12TH, LONG BEACH LONG BEACH, CA WMUDS: Region: 4 Date of Last Facility Edit: Not reported Last Facility Editors: Not reported Waste Discharge System ID: 4 190076NUR Solid Waste Information ID: Not reported Waste Discharge System: False Solid Waste Assessment Test Program: True Facility Name: Not reported Toxic Pits Cleanup Act Program: False Resource Conservation Recovery Act Program: False Department of Defense: False Open to Public: False Number of WMUDS at Facility: 1	WMUDS/SWAT	S103441348 N/A

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
LONG BEACH DISPOSAL (Continued)		S103441348
Facility Telephone:	Not reported	
Primary Standard Industrial Classification:	Not reported	
Secondary Standard Industrial Classification:	Not reported	
Solid Waste Assessment Test Program Name:	HERMAN WEISSKEN INCORPORATED	
NPID:	Not reported	
Tonnage:	0	
Regional Board ID:	Not reported	
Municipal Solid Waste:	False	
Superorder:	False	
Sub Chapter 15:	False	
Reg. Board Project Officer:	LT	
Section Range:	Not reported	
RCRA Facility:	Not reported	
Waste Discharge Requirements:	Not reported	
Base Meridian:	Not reported	
Waste List:	False	
Facility Description:	Not reported	
Self-Monitoring Rept. Frequency:	Not reported	
Threat to Water Quality:	Not reported	
Agency:	HERMAN WEISSKEN INCORPORATED	
Address:	Not reported	
Department:	Not reported	
Contact:	Not reported	
Telephone:	Not reported	
Landowner:	Not reported	
Address:	CA	
Telephone:	Not reported	
Contact:	Not reported	
LACO METRO (2 D/W ACE BUEHLER)	UST	U003854663
4350 E 208TH ST		N/A
LONG BEACH, CA		
UST Long Beach:		
Total Tanks:	2T	Region: LONG BEACH
Tank Test:	Dual Walled	Leak Test: Not reported
MURPHY INDUSTRIAL COATINGS INC	HAZNET	S103675916
91/710 / 91/605 RETROFIT		N/A
LONG BEACH, CA 00000		
HAZNET:		
Gepaid:	CAP600928421	
TSD EPA ID:	CAT000646117	
Gen County:	0	
Tsd County:	Kings	
Tons:	3.0000	
Waste Category:	Other inorganic solid waste	
Disposal Method:	Treatment, Tank	
Contact:	Not reported	
Telephone:	(000) 000-0000	
Mailing Address:	00000	
County:	0	

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
MURPHY INDUSTRIAL COATINGS INC (Continued)		S103675916
Gepaid: CAP600928421 TSD EPA ID: CAD000088252 Gen County: 0 Tsd County: Los Angeles Tons: 2.5284 Waste Category: Other inorganic solid waste Disposal Method: Transfer Station Contact: Not reported Telephone: (000) 000-0000 Mailing Address: 00000 County: 0		
ALLWASTE ENVIRONMENTAL SERVICES 933 / 925 WEST ESTHER STREET LONG BEACH, CA 90813 HAZNET: Gepaid: CAL920355659 TSD EPA ID: CAT000646117 Gen County: Los Angeles Tsd County: Kings Tons: .2000 Waste Category: Unspecified sludge waste Disposal Method: Disposal, Land Fill Contact: JOSEPH A CASE Telephone: (310) 590-8626 Mailing Address: 933 & 925 WEST ESTHER STREET LONG BEACH, CA 90813 County: Los Angeles Gepaid: CAL920355659 TSD EPA ID: CAT000646117 Gen County: Los Angeles Tsd County: Kings Tons: 2.6000 Waste Category: Empty containers less than 30 gallons Disposal Method: Disposal, Land Fill Contact: JOSEPH A CASE Telephone: (310) 590-8626 Mailing Address: 933 & 925 WEST ESTHER STREET LONG BEACH, CA 90813 County: Los Angeles Gepaid: CAL920355659 TSD EPA ID: CAT000646117 Gen County: Los Angeles Tsd County: Kings Tons: .4000 Waste Category: Contaminated soil from site clean-ups Disposal Method: Disposal, Land Fill Contact: JOSEPH A CASE Telephone: (310) 590-8626 Mailing Address: 933 & 925 WEST ESTHER STREET LONG BEACH, CA 90813 County: Los Angeles	HAZNET	S100929265 N/A

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
CALTRANS L A 710 PM 6.8/9.7 LONG BEACH, CA 90813 RCRIS: Owner: CALTRANS (562) 860-3085 EPA ID: CAR000122812 Contact: JOSEPH TEHRANI (562) 860-3085 Classification: Large Quantity Generator TSD Activities: Not reported Violation Status: No violations found FINDS: Other Pertinent Environmental Activity Identified at Site: Resource Conservation and Recovery Act Information system (RCRAINFO)	RCRIS-LQG FINDS	1005904451 CAR000122812
GLENN E. THOMAS AUTO (FORMER) 340 ANAHEIM LONG BEACH, CA 90813 SLIC Region 4: Facility Status: Closure Region: 4 SLIC 0657 Staff: Not reported Substance: TPH	CA SLIC	S105911442 N/A
ARCO #9505 998 E ANAHEIM ST LONG BEACH, CA State UST: Facility ID: 19-060-005814 Region: STATE Local Agency: Long Beach, Los Angeles County	UST	U003937794 N/A
PORT OF LONG BEACH ANAHEIM ST BRIDGE LA RIVER LONG BEACH, CA 00000 HAZNET: Gepaid: CAP601252022 TSD EPA ID: CAT000646117 Gen County: 0 Tsd County: Kings Tons: 3.3712 Waste Category: Other inorganic solid waste Disposal Method: Treatment, Tank Contact: Not reported Telephone: (000) 000-0000 Mailing Address: 00000 County 0	HAZNET	S103678152 N/A

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
LA CO DPW FLOOD LOS ALTOS PP 6560 E ANAHEIM RD LONG BEACH, CA HMS: Facility Id: 010782-010742 Area: 1C Facility Type: Not reported Permit Number: 174 Facility Status: OPEN Region: Los Angeles County:	LOS ANGELES CO. HMS	S102060598 N/A
LONG BEACH TRANSIT 1963 ANAHEIM ST LONG BEACH, CA 90813 State LUST: Cross Street: CHERRY AVE Qty Leaked: 0 Case Number: 908130652 Reg Board: 4 Chemical: 12044 Lead Agency: Regional Board Local Agency : Not reported Case Type: Other ground water affected Status: Preliminary site assessment underway Review Date: Not reported Workplan: 6/7/02 0:00 Pollution Char: Not reported Remed Action: Not reported Monitoring: 10/24/01 0:00 Close Date: Not reported Release Date: 10/24/2001 Cleanup Fund Id : Not reported Discover Date : / / Enforcement Dt : Not reported Enf Type: MRP Enter Date : Not reported Funding: Not reported Staff Initials: Not reported How Discovered: OM How Stopped: Not reported Interim : Not reported Leak Cause: UNK Leak Source: Piping MTBE Date : 7/9/01 0:00 Max MTBE GW : 180000 Parts per Billion MTBE Tested: MTBE Detected. Site tested for MTBE & MTBE detected Priority: Not reported Local Case # : 0 Beneficial: Not reported Staff : HSP GW Qualifier : Not reported Max MTBE Soil : Not reported Soil Qualifier : Not reported Hydr Basin #: SAN FERNANDO VALLEY Operator : Not reported Oversight Prgm: LUST Review Date : 7/12/02 0:00 Stop Date : / /	LUST	S105181182 N/A

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
LONG BEACH TRANSIT (Continued)		S105181182
Work Suspended :Not reported		
Responsible PartyJOHN CARLSON		
RP Address: 1963 E. ANAHEIM ST.		
Global Id: T060378240		
Org Name: Not reported		
Contact Person: Not reported		
MTBE Conc: Not reported		
Mtbe Fuel: Not reported		
Water System Name: Not reported		
Well Name: Not reported		
Distance To Lust: 0		
Waste Discharge Global ID: Not reported		
Waste Disch Assigned Name: Not reported		
LUST Region 4:		
Report Date: 10/24/2001		
Lead Agency: Regional Board		
Local Agency: 0		
Substance: 12044		
Case Type: Groundwater		
Status: Preliminary site assessment underway		
Region: 4		
Staff: HSP		
Date Case Last Changed on Database: 7/12/02		
Date Leak Record Entered: Not reported		
Historical Max MTBE Date: 7/9/01		
GW Qualifier: Not reported		
Soil Qualifier: Not reported		
Hist Max MTBE Conc in Groundwater: 180000		
Hist Max MTBE Conc in Soil : Not reported		
County: Los Angeles		
Organization : Not reported		
Regional Board: 4		
Owner Contact: Not reported		
Responsible Party: JOHN CARLSON		
RP Address: 1963 E. ANAHEIM ST.		
Significant Interim Remedial Action Taken: Not reported		
Program : LUST		
Lat / Long : 34 / -118		
Local Agency Staff: Not reported		
Summary : Haz Mat incident report filed		
Hydrologic Basin # : SAN FERNANDO VALLEY		
Beneficial Use : Not reported		
Priority : Not reported		
Cleanup Fund Id : Not reported		
Suspended : Not reported		
Local Case No : Not reported		
Substance Quantity : 0		
Abatement Method Used at the Site: Not reported		
Operator : Not reported		
Water System : Not reported		
Well Name : Not reported		
Approx. Dist To Production Well (ft) : 15932.76339		
Assigned Name : Not reported		
Source of Cleanup Funding: Not reported		
Date the Leak was Discovered: / /		
How the Leak was Discovered: OM		

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
LONG BEACH TRANSIT (Continued) How the Leak was Stopped: Not reported Cause of Leak: UNK Leak Source: Piping Date The Leak was Stopped: Not reported Date Confirmation Leak Began: Not reported Preliminary Site Assessment Workplan Submitted: 2/20/02 Preliminary Site Assessment Began: 6/7/02 Pollution Characterization Began: 5/3/02 Remediation Plan Submitted: Not reported Remedial Action Underway: Not reported Post Remedial Action Monitoring Began: 10/24/01 Date the Case was Closed: Not reported Enforcement Action Date: Not reported Date Leak First Reported: 10/24/2001 Enforcement Type: MRP Global ID : T060378240 Cross Street: CHERRY AVE		S105181182
LONG BEACH MARINE BUREAU (500 D/W JOOR) 6101 APPIAN WAY LONG BEACH, CA UST Long Beach: Total Tanks: 1T Tank Test: Dual Walled	UST Region: LONG BEACH Leak Test: Not reported	U003854701 N/A
MARTIN CONTAINER INC 710 FREEWAY NORTHBOUND LONG BEACH, CA 90813 HAZNET: Gepaid: CAC001361064 TSD EPA ID: CAD028409019 Gen County: Los Angeles Tsd County: Los Angeles Tons: .1500 Waste Category: Unspecified oil-containing waste Disposal Method: Transfer Station Contact: MARTIN CONTAINER Telephone: (310) 830-5000 Mailing Address: 1402 EAST LOMITA BLVD WILMINGTON, CA 90748 County: Los Angeles	HAZNET	S103976515 N/A
LA CO PUB WRKS (SEASIDE PUMP) D/W TRUSCO 0600 GOLDEN SHORE LONG BEACH, CA UST Long Beach: Total Tanks: 1T Tank Test: Dual Walled	UST Region: LONG BEACH Leak Test: Not reported	U003854773 N/A

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
301 HANJIN RD. LONG BEACH, CA	CHMIRS HAZNET	S105887467 N/A
CHMIRS:		
OES Control Number:	02-6656	
Chemical Name:	Oil	
Extent of Release:	Not reported	
Property Use:	Not reported	
Incident Date:	Not reported	
Date Completed:	Not reported	
Time Completed :	Not reported	
Agency Id Number :	Not reported	
Agency Incident Number :	Not reported	
OES Incident Number :	02-6656	
Time Notified :	Not reported	
Surrounding Area :	Not reported	
Estimated Temperature :	Not reported	
Property Management :	Not reported	
More Than Two Substances Involved? :	Not reported	
Special Studies 1 :	Not reported	
Special Studies 2 :	Not reported	
Special Studies 3 :	Not reported	
Special Studies 4 :	Not reported	
Special Studies 5 :	Not reported	
Special Studies 6 :	Not reported	
Responding Agency Personel # Of Injuries :	0	
Responding Agency Personel # Of Fatalities :	0	
Resp Agncy Personel # Of Decontaminated :	Not reported	
Others Number Of Decontaminated :	Not reported	
Others Number Of Injuries :	Not reported	
Others Number Of Fatalities :	Not reported	
Vehicle Make/year :	Not reported	
Vehicle License Number :	Not reported	
Vehicle State :	Not reported	
Vehicle Id Number :	Not reported	
CA/DOT/PUC/ICC Number :	Not reported	
Company Name :	Not reported	
Reporting Officer Name/ID :	Not reported	
Report Date :	Not reported	
Comments :	Not reported	
Facility Telephone Number :	Not reported	
Waterway Involved :	Yes	
Waterway :	Storm Drain	
Spill Site :	Other	
Cleanup By :	Responsible Party	
Containment :	Unknown	
What Happened :	Report of oil leaking from engine of tractor and an unknown amount has spilled into a storm drain.	
Type :	Gal(s)	
Other :	Not reported	
Chemical 1 :	Not Reported	
Chemical 2 :	Not Reported	
Chemical 3 :	Not Reported	
Date/Time :	12/9/2002 1025	
Evacuations :	0	

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
(Continued)		S105887467
HAZNET:		
Gepaid:	CAL000258772	
TSD EPA ID:	Not reported	
Gen County:	Los Angeles	
Tsd County:	Los Angeles	
Tons:	2.19	
Waste Category:	Unspecified oil-containing waste	
Disposal Method:	Recycler	
Contact:	MR THOMAS BOWLER, MGR	
Telephone:	(562) 256-2773	
Mailing Address:	5944 CAMERINO ST LAKEWOOD, CA 90713	
County	Not reported	
Gepaid:	CAC002558659	
TSD EPA ID:	Not reported	
Gen County:	Los Angeles	
Tsd County:	Los Angeles	
Tons:	0.10	
Waste Category:	Other organic solids	
Disposal Method:	Disposal, Land Fill	
Contact:	CATHY CHOI	
Telephone:	(310) 515-5777	
Mailing Address:	415 W 130TH ST LOS ANGELES, CA 90061	
County	Not reported	

APM TERMINALS 570 HARBOR SCENIC WAY PIER J LONG BEACH, CA 90802

**LUST S106116214
N/A**

State LUST:

Cross Street:	Not reported	
Qty Leaked:	0	
Case Number	908020370	
Reg Board:	4	
Chemical:	Gasoline	
Lead Agency:	Regional Board	
Local Agency :	19060	
Case Type:	Undefined	
Status:	Leak being confirmed	
Review Date:	8/15/03 0:00	Confirm Leak: 8/15/03 0:00
Workplan:	Not reported	Prelim Assess: Not reported
Pollution Char:	Not reported	Remed Plan: Not reported
Remed Action:	Not reported	
Monitoring:	Not reported	
Close Date:	Not reported	
Release Date:	02/28/2003	
Cleanup Fund Id :	Not reported	
Discover Date :	02/28/2003	
Enforcement Dt :	Not reported	
Enf Type:	SEL	
Enter Date :	Not reported	
Funding:	Not reported	
Staff Initials:	Not reported	
How Discovered:	Not reported	
How Stopped:	Not reported	
Interim :	Not reported	

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
APM TERMINALS (Continued)		S106116214
Leak Cause: Not reported		
Leak Source: Not reported		
MTBE Date : Not reported		
Max MTBE GW : Not reported		
MTBE Tested: Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.		
Priority: Not reported		
Local Case # : 0		
Beneficial: Not reported		
Staff : JFL		
GW Qualifier : Not reported		
Max MTBE Soil : Not reported		
Soil Qualifier : Not reported		
Hydr Basin #: Not reported		
Operator : Not reported		
Oversight Prgm: LUST		
Review Date : Not reported		
Stop Date : / /		
Work Suspended :Not reported		
Responsible PartyKIMERLY GUIGNARD		
RP Address: 925 HARBOR DR.		
Global Id: T0603758844		
Org Name: Not reported		
Contact Person: Not reported		
MTBE Conc: Not reported		
Mtbe Fuel: Not reported		
Water System Name: Not reported		
Well Name: Not reported		
Distance To Lust: 0		
Waste Discharge Global ID: Not reported		
Waste Disch Assigned Name: Not reported		
LUST Region 4:		
Report Date: 02/28/2003		
Lead Agency: Regional Board		
Local Agency: 19060		
Substance: Gasoline		
Case Type: Undefined		
Status: Leak being confirmed		
Region: 4		
Staff: JFL		
Date Case Last Changed on Database:	Not reported	
Date Leak Record Entered:	Not reported	
Historical Max MTBE Date:	Not reported	
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Hist Max MTBE Conc in Groundwater:	Not reported	
Hist Max MTBE Conc in Soil :	Not reported	
County:	Los Angeles	
Organization :	Not reported	
Regional Board:	4	
Owner Contact: Not reported		
Responsible Party:	KIMERLY GUIGNARD	
RP Address:	925 HARBOR DR.	
Significant Interim Remedial Action Taken:	Not reported	
Program :	LUST	
Lat / Long :	0 / 0	
Local Agency Staff:	Not reported	

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
APM TERMINALS (Continued)		S106116214
Summary :	Not reported	
Hydrologic Basin # :	Not reported	
Beneficial Use :	Not reported	
Priority :	Not reported	
Cleanup Fund Id :	Not reported	
Suspended :	Not reported	
Local Case No :	Not reported	
Substance Quantity :	0	
Abatement Method Used at the Site:	Not reported	
Operator :	Not reported	
Water System :	Not reported	
Well Name :	Not reported	
Approx. Dist To Production Well (ft) :	Not reported	
Assigned Name :	Not reported	
Source of Cleanup Funding:	Not reported	
Date the Leak was Discovered:	02/28/2003	
How the Leak was Discovered:	Not reported	
How the Leak was Stopped:	Not reported	
Cause of Leak:	Not reported	
Leak Source:	Not reported	
Date The Leak was Stopped:	Not reported	
Date Confirmation Leak Began:	8/15/03	
Preliminary Site Assessment Workplan Submitted:	Not reported	
Preliminary Site Assessment Began:	Not reported	
Pollution Characterization Began:	Not reported	
Remediation Plan Submitted:	Not reported	
Remedial Action Underway:	Not reported	
Post Remedial Action Monitoring Began:	Not reported	
Date the Case was Closed:	Not reported	
Enforcement Action Date:	Not reported	
Date Leak First Reported:	02/28/2003	
Enforcement Type:	SEL	
Global ID :	T0603758844	
Cross Street:	Not reported	

**EDISON/LONG BEACH II MGP
INTERSECTION OCEAN BLVD/E
LONG BEACH, CA 90802**

**Cortese S100204232
Cal-Sites N/A**

CORTESE:

Region: CORTESE
Fac Address 2: Not reported

CAL-SITES:

Facility ID 19490213
Status: ERAP
Status Date: 10/25/1995
Lead: DTSC
Region: 4 - CYPRESS
Branch: CC - CENTRAL CALIFORNIA
File Name: TOWN GAS PLANT LONG BEACH II
Status Name: EXPEDITED REMEDIAL ACTION PROGRAM SITES
Lead Agency: DEPT OF TOXIC SUBSTANCES CONTROL Not reported
NPL: Not Listed
SIC: 49 ELECTRIC, GAS & SANITARY SERVICES
Facility Type: ERAP
Type Name: EXPEDITED REMEDIAL ACTION PROGRAM
Staff Member Responsible for Site: MVIVAS
Supervisor Responsible for Site: Not reported

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
EDISON/LONG BEACH II MGP (Continued)		S100204232
Region Water Control Board: LA - LOS ANGELES Access: Uncontrolled Cortese: U Hazardous Ranking Score: Not reported Date Site Hazard Ranked: Not reported Groundwater Contamination: Not reported No. of Contamination Sources: 0.00000 Lat/Long: 0.00000° 0.00000' 0.00000" / 0.00000° 0.00000' 0.00000" Lat/long Method: Not reported State Assembly District Code: 54 State Senate District: 27		
The CAL-SITES database may contain additional details for this site. Please contact your EDR Account Executive for more information.		
THE BOEING CO (3 D/W TANKS) 3855 LAKEWOOD BLVD LONG BEACH, CA	UST	U003854790 N/A
UST Long Beach: Total Tanks: 3T Tank Test: Dual Walled	Region: LONG BEACH Leak Test: Not reported	
VERIZON L.B. TOLL/NACC (35M D/W JOOR) 5077 LEW DAVIS DR LONG BEACH, CA	UST	U003854794 N/A
UST Long Beach: Total Tanks: 1T Tank Test: Dual Walled	Region: LONG BEACH Leak Test: Not reported	
LONG BEACH HARBOR LONG BEACH, CA 0	CHMIRS HAZNET	S103992532 N/A
CHMIRS: OES Control Number: 14634 Chemical Name: lube oil Extent of Release: Not reported Property Use: Not reported Incident Date: Not reported Date Completed: Not reported Time Completed : Not reported Agency Id Number : Not reported Agency Incident Number : Not reported OES Incident Number : 14634 Time Notified : Not reported Surrounding Area : Not reported Estimated Temperature : Not reported Property Management : Not reported More Than Two Substances Involved? : Not reported Special Studies 1 : Not reported Special Studies 2 : Not reported Special Studies 3 : Not reported Special Studies 4 : Not reported Special Studies 5 : Not reported Special Studies 6 : Not reported		

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
(Continued)		S103992532
Responding Agency Personel # Of Injuries : NO Responding Agency Personel # Of Fatalities : NO Resp Agncy Personel # Of Decontaminated : Not reported Others Number Of Decontaminated : Not reported Others Number Of Injuries : Not reported Others Number Of Fatalities : Not reported Vehicle Make/year : Not reported Vehicle License Number : Not reported Vehicle State : Not reported Vehicle Id Number : Not reported CA/DOT/PUC/ICC Number : Not reported Company Name : Not reported Reporting Officer Name/ID : Not reported Report Date : Not reported Comments : Not reported Facility Telephone Number : Not reported Waterway Involved : NO Waterway : pacific ocean Spill Site : SHP Cleanup By : Not reported Containment : YES What Happened : lube oil leaking from stern tube into the ocean. ship "seagrace" approximately 12 miles offshore, coming into dock today for repairs. Type : PETROLEUM Other : Not reported Chemical 1 : Not Reported Chemical 2 : Not Reported Chemical 3 : Not Reported Date/Time : 0800/7-11-96 Evacuations : NO OES Control Number: 14061 Chemical Name: hydraulic fluid Extent of Release: Not reported Property Use: Not reported Incident Date: Not reported Date Completed: Not reported Time Completed : Not reported Agency Id Number : Not reported Agency Incident Number : Not reported OES Incident Number : 14061 Time Notified : Not reported Surrounding Area : Not reported Estimated Temperature : Not reported Property Management : Not reported More Than Two Substances Involved? : Not reported Special Studies 1 : Not reported Special Studies 2 : Not reported Special Studies 3 : Not reported Special Studies 4 : Not reported Special Studies 5 : Not reported Special Studies 6 : Not reported Responding Agency Personel # Of Injuries : NO Responding Agency Personel # Of Fatalities : NO Resp Agncy Personel # Of Decontaminated : Not reported Others Number Of Decontaminated : Not reported Others Number Of Injuries : Not reported		

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
(Continued)		S103992532
Others Number Of Fatalities :	Not reported	
Vehicle Make/year :	Not reported	
Vehicle License Number :	Not reported	
Vehicle State :	Not reported	
Vehicle Id Number :	Not reported	
CA/DOT/PUC/ICC Number :	Not reported	
Company Name :	Not reported	
Reporting Officer Name/ID :	Not reported	
Report Date :	Not reported	
Comments :	Not reported	
Facility Telephone Number :	Not reported	
Waterway Involved :	YES	
Waterway :	long beach harbor	
Spill Site :	Not reported	
Cleanup By :	connolly pacific	
Containment :	YES	
What Happened :	hydraulic line was sheared by pile driver	
Type :	PETROLEUM	
Other :	Not reported	
Chemical 1 :	Not Reported	
Chemical 2 :	Not Reported	
Chemical 3 :	Not Reported	
Date/Time :	0645/05jun96	
Evacuations :	NO	
OES Control Number:	00-1003	
Chemical Name:	Diesel	
Extent of Release:	Not reported	
Property Use:	Not reported	
Incident Date:	Not reported	
Date Completed:	Not reported	
Time Completed :	Not reported	
Agency Id Number :	Not reported	
Agency Incident Number :	Not reported	
OES Incident Number :	00-1003	
Time Notified :	Not reported	
Surrounding Area :	Not reported	
Estimated Temperature :	Not reported	
Property Management :	Not reported	
More Than Two Substances Involved? :	Not reported	
Special Studies 1 :	Not reported	
Special Studies 2 :	Not reported	
Special Studies 3 :	Not reported	
Special Studies 4 :	Not reported	
Special Studies 5 :	Not reported	
Special Studies 6 :	Not reported	
Responding Agency Personel # Of Injuries :	0	
Responding Agency Personel # Of Fatalities :	0	
Resp Agncy Personel # Of Decontaminated :	Not reported	
Others Number Of Decontaminated :	Not reported	
Others Number Of Injuries :	Not reported	
Others Number Of Fatalities :	Not reported	
Vehicle Make/year :	Not reported	
Vehicle License Number :	Not reported	
Vehicle State :	Not reported	
Vehicle Id Number :	Not reported	
CA/DOT/PUC/ICC Number :	Not reported	
Company Name :	Not reported	

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
(Continued)		S103992532
Reporting Officer Name/ID :	Not reported	
Report Date :	Not reported	
Comments :	Not reported	
Facility Telephone Number :	Not reported	
Waterway Involved :	Yes	
Waterway :	Long Beach Harbor	
Spill Site :	Waterways	
Cleanup By :	Unknown	
Containment :	No	
What Happened :	USCG received a radio transmission from a nearby vessel of a sheen sighting near Pier 400 which is approx 20' by 1 mile.	
Type :	PETROLEUM	
Other :	Not reported	
Chemical 1 :	Not Reported	
Chemical 2 :	Not Reported	
Chemical 3 :	Not Reported	
Date/Time :	3/1/00 1530	
Evacuations :	0	
OES Control Number:	01-6395	
Chemical Name:	Unknown Oil	
Extent of Release:	Not reported	
Property Use:	Not reported	
Incident Date:	Not reported	
Date Completed:	Not reported	
Time Completed :	Not reported	
Agency Id Number :	Not reported	
Agency Incident Number :	Not reported	
OES Incident Number :	01-6395	
Time Notified :	Not reported	
Surrounding Area :	Not reported	
Estimated Temperature :	Not reported	
Property Management :	Not reported	
More Than Two Substances Involved? :	Not reported	
Special Studies 1 :	Not reported	
Special Studies 2 :	Not reported	
Special Studies 3 :	Not reported	
Special Studies 4 :	Not reported	
Special Studies 5 :	Not reported	
Special Studies 6 :	Not reported	
Responding Agency Personel # Of Injuries :	0	
Responding Agency Personel # Of Fatalities :	0	
Resp Agncy Personel # Of Decontaminated :	Not reported	
Others Number Of Decontaminated :	Not reported	
Others Number Of Injuries :	Not reported	
Others Number Of Fatalities :	Not reported	
Vehicle Make/year :	Not reported	
Vehicle License Number :	Not reported	
Vehicle State :	Not reported	
Vehicle Id Number :	Not reported	
CA/DOT/PUC/ICC Number :	Not reported	
Company Name :	Not reported	
Reporting Officer Name/ID :	Not reported	
Report Date :	Not reported	
Comments :	Not reported	
Facility Telephone Number :	Not reported	
Waterway Involved :	Yes	
Waterway :	Long Beach Harbor	

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
(Continued)		S103992532
Spill Site :	Waterways	
Cleanup By :	Unknown	
Containment :	Unknown	
What Happened :	Caller reports an unknown sheen on the water.	
Type :	PETROLEUM	
Other :	Not reported	
Chemical 1 :	Not Reported	
Chemical 2 :	Not Reported	
Chemical 3 :	Not Reported	
Date/Time :	11/5/01 900	
Evacuations :	0	
OES Control Number:	01-4823	
Chemical Name:	oil	
Extent of Release:	Not reported	
Property Use:	Not reported	
Incident Date:	Not reported	
Date Completed:	Not reported	
Time Completed :	Not reported	
Agency Id Number :	Not reported	
Agency Incident Number :	Not reported	
OES Incident Number :	01-4823	
Time Notified :	Not reported	
Surrounding Area :	Not reported	
Estimated Temperature :	Not reported	
Property Management :	Not reported	
More Than Two Substances Involved? :	Not reported	
Special Studies 1 :	Not reported	
Special Studies 2 :	Not reported	
Special Studies 3 :	Not reported	
Special Studies 4 :	Not reported	
Special Studies 5 :	Not reported	
Special Studies 6 :	Not reported	
Responding Agency Personnel # Of Injuries :	0	
Responding Agency Personnel # Of Fatalities :	0	
Resp Agency Personnel # Of Decontaminated :	Not reported	
Others Number Of Decontaminated :	Not reported	
Others Number Of Injuries :	Not reported	
Others Number Of Fatalities :	Not reported	
Vehicle Make/year :	Not reported	
Vehicle License Number :	Not reported	
Vehicle State :	Not reported	
Vehicle Id Number :	Not reported	
CA/DOT/PUC/ICC Number :	Not reported	
Company Name :	Not reported	
Reporting Officer Name/ID :	Not reported	
Report Date :	Not reported	
Comments :	Not reported	
Facility Telephone Number :	Not reported	
Waterway Involved :	Yes	
Waterway :	Pacific Ocean	
Spill Site :	Ship/Harbor/Port	
Cleanup By :	Unknown	
Containment :	No	
What Happened :	Per the NRC report, the caller sighted an orphan silver colored sheen approximately 20 meters long.	
Type :	PETROLEUM	
Other :	Not reported	

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
(Continued)		S103992532
Chemical 1 :	Not Reported	
Chemical 2 :	Not Reported	
Chemical 3 :	Not Reported	
Date/Time :	8/24/01 730	
Evacuations :	0	
OES Control Number:	01-3684	
Chemical Name:	Unknown Oil	
Extent of Release:	Not reported	
Property Use:	Not reported	
Incident Date:	Not reported	
Date Completed:	Not reported	
Time Completed :	Not reported	
Agency Id Number :	Not reported	
Agency Incident Number :	Not reported	
OES Incident Number :	01-3684	
Time Notified :	Not reported	
Surrounding Area :	Not reported	
Estimated Temperature :	Not reported	
Property Management :	Not reported	
More Than Two Substances Involved? :	Not reported	
Special Studies 1 :	Not reported	
Special Studies 2 :	Not reported	
Special Studies 3 :	Not reported	
Special Studies 4 :	Not reported	
Special Studies 5 :	Not reported	
Special Studies 6 :	Not reported	
Responding Agency Personnel # Of Injuries :	0	
Responding Agency Personnel # Of Fatalities :	0	
Resp Agency Personnel # Of Decontaminated :	Not reported	
Others Number Of Decontaminated :	Not reported	
Others Number Of Injuries :	Not reported	
Others Number Of Fatalities :	Not reported	
Vehicle Make/year :	Not reported	
Vehicle License Number :	Not reported	
Vehicle State :	Not reported	
Vehicle Id Number :	Not reported	
CA/DOT/PUC/ICC Number :	Not reported	
Company Name :	Not reported	
Reporting Officer Name/ID :	Not reported	
Report Date :	Not reported	
Comments :	Not reported	
Facility Telephone Number :	Not reported	
Waterway Involved :	Yes	
Waterway :	Long Beach harbor	
Spill Site :	Ship/Harbor/Port	
Cleanup By :	Unknown	
Containment :	Unknown	
What Happened :	NRC REPORTED: The caller sighted an unknown old oil on the water.	
Type :	OTHER	
Other :	OUN	
Chemical 1 :	Not Reported	
Chemical 2 :	Not Reported	
Chemical 3 :	Not Reported	
Date/Time :	6/27/01 700	
Evacuations :	0	

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
(Continued)		S103992532
OES Control Number:	01-2961	
Chemical Name:	Hydraulic Oil	
Extent of Release:	Not reported	
Property Use:	Not reported	
Incident Date:	Not reported	
Date Completed:	Not reported	
Time Completed :	Not reported	
Agency Id Number :	Not reported	
Agency Incident Number :	Not reported	
OES Incident Number :	01-2961	
Time Notified :	Not reported	
Surrounding Area :	Not reported	
Estimated Temperature :	Not reported	
Property Management :	Not reported	
More Than Two Substances Involved? :	Not reported	
Special Studies 1 :	Not reported	
Special Studies 2 :	Not reported	
Special Studies 3 :	Not reported	
Special Studies 4 :	Not reported	
Special Studies 5 :	Not reported	
Special Studies 6 :	Not reported	
Responding Agency Personnel # Of Injuries :	0	
Responding Agency Personnel # Of Fatalities :	0	
Resp Agncy Personnel # Of Decontaminated :	Not reported	
Others Number Of Decontaminated :	Not reported	
Others Number Of Injuries :	Not reported	
Others Number Of Fatalities :	Not reported	
Vehicle Make/year :	Not reported	
Vehicle License Number :	Not reported	
Vehicle State :	Not reported	
Vehicle Id Number :	Not reported	
CA/DOT/PUC/ICC Number :	Not reported	
Company Name :	Not reported	
Reporting Officer Name/ID :	Not reported	
Report Date :	Not reported	
Comments :	Not reported	
Facility Telephone Number :	Not reported	
Waterway Involved :	Yes	
Waterway :	Long Beach Pier 12	
Spill Site :	Ship/Harbor/Port	
Cleanup By :	Contractor	
Containment :	Yes	
What Happened :	A pipe burst on the Vessel "Chiquita Joy" however the flow was shut off quickly.	
Type :	PETROLEUM	
Other :	Not reported	
Chemical 1 :	Not Reported	
Chemical 2 :	Not Reported	
Chemical 3 :	Not Reported	
Date/Time :	5/22/01 925	
Evacuations :	0	
OES Control Number:	01-2961	
Chemical Name:	Hydraulic Oil	
Extent of Release:	Not reported	
Property Use:	Not reported	
Incident Date:	Not reported	
Date Completed:	Not reported	

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
(Continued)		S103992532
Time Completed :	Not reported	
Agency Id Number :	Not reported	
Agency Incident Number :	Not reported	
OES Incident Number :	01-2961	
Time Notified :	Not reported	
Surrounding Area :	Not reported	
Estimated Temperature :	Not reported	
Property Management :	Not reported	
More Than Two Substances Involved? :	Not reported	
Special Studies 1 :	Not reported	
Special Studies 2 :	Not reported	
Special Studies 3 :	Not reported	
Special Studies 4 :	Not reported	
Special Studies 5 :	Not reported	
Special Studies 6 :	Not reported	
Responding Agency Personnel # Of Injuries :	0	
Responding Agency Personnel # Of Fatalities :	0	
Resp Agncy Personnel # Of Decontaminated :	Not reported	
Others Number Of Decontaminated :	Not reported	
Others Number Of Injuries :	Not reported	
Others Number Of Fatalities :	Not reported	
Vehicle Make/year :	Not reported	
Vehicle License Number :	Not reported	
Vehicle State :	Not reported	
Vehicle Id Number :	Not reported	
CA/DOT/PUC/ICC Number :	Not reported	
Company Name :	Not reported	
Reporting Officer Name/ID :	Not reported	
Report Date :	Not reported	
Comments :	Not reported	
Facility Telephone Number :	Not reported	
Waterway Involved :	Yes	
Waterway :	Long Beach Pier 12	
Spill Site :	Ship/Harbor/Port	
Cleanup By :	Contractor	
Containment :	Yes	
What Happened :	A pipe burst on the Vessel "Chiquita Joy" however the flow was shut off quickly.	
Type :	PETROLEUM	
Other :	Not reported	
Chemical 1 :	Not Reported	
Chemical 2 :	Not Reported	
Chemical 3 :	Not Reported	
Date/Time :	5/22/01 925	
Evacuations :	0	
OES Control Number:	02-1916	
Chemical Name:	Unknown Oil	
Extent of Release:	Not reported	
Property Use:	Not reported	
Incident Date:	Not reported	
Date Completed:	Not reported	
Time Completed :	Not reported	
Agency Id Number :	Not reported	
Agency Incident Number :	Not reported	
OES Incident Number :	02-1916	
Time Notified :	Not reported	
Surrounding Area :	Not reported	

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
(Continued)		S103992532
Estimated Temperature :	Not reported	
Property Management :	Not reported	
More Than Two Substances Involved? :	Not reported	
Special Studies 1 :	Not reported	
Special Studies 2 :	Not reported	
Special Studies 3 :	Not reported	
Special Studies 4 :	Not reported	
Special Studies 5 :	Not reported	
Special Studies 6 :	Not reported	
Responding Agency Personel # Of Injuries :	0	
Responding Agency Personel # Of Fatalities :	0	
Resp Agncy Personel # Of Decontaminated :	Not reported	
Others Number Of Decontaminated :	Not reported	
Others Number Of Injuries :	Not reported	
Others Number Of Fatalities :	Not reported	
Vehicle Make/year :	Not reported	
Vehicle License Number :	Not reported	
Vehicle State :	Not reported	
Vehicle Id Number :	Not reported	
CA/DOT/PUC/ICC Number :	Not reported	
Company Name :	Not reported	
Reporting Officer Name/ID :	Not reported	
Report Date :	Not reported	
Comments :	Not reported	
Facility Telephone Number :	Not reported	
Waterway Involved :	Yes	
Waterway :	Long Beach Harbor	
Spill Site :	Ship/Harbor/Port	
Cleanup By :	Unknown	
Containment :	Unknown	
What Happened :	Via NRC report, the caller is reporting an unknown sheen.	
Type :	Sheen	
Other :	Not reported	
Chemical 1 :	Not Reported	
Chemical 2 :	Not Reported	
Chemical 3 :	Not Reported	
Date/Time :	4/8/2002 1000	
Evacuations :	0	
OES Control Number:	02-2175	
Chemical Name:	Diesel	
Extent of Release:	Not reported	
Property Use:	Not reported	
Incident Date:	Not reported	
Date Completed:	Not reported	
Time Completed :	Not reported	
Agency Id Number :	Not reported	
Agency Incident Number :	Not reported	
OES Incident Number :	02-2175	
Time Notified :	Not reported	
Surrounding Area :	Not reported	
Estimated Temperature :	Not reported	
Property Management :	Not reported	
More Than Two Substances Involved? :	Not reported	
Special Studies 1 :	Not reported	
Special Studies 2 :	Not reported	
Special Studies 3 :	Not reported	
Special Studies 4 :	Not reported	

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
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(Continued)

S103992532

Special Studies 5 :	Not reported
Special Studies 6 :	Not reported
Responding Agency Personnel # Of Injuries :	0
Responding Agency Personnel # Of Fatalities :	0
Resp Agncy Personnel # Of Decontaminated :	Not reported
Others Number Of Decontaminated :	Not reported
Others Number Of Injuries :	Not reported
Others Number Of Fatalities :	Not reported
Vehicle Make/year :	Not reported
Vehicle License Number :	Not reported
Vehicle State :	Not reported
Vehicle Id Number :	Not reported
CA/DOT/PUC/ICC Number :	Not reported
Company Name :	Not reported
Reporting Officer Name/ID :	Not reported
Report Date :	Not reported
Comments :	Not reported
Facility Telephone Number :	Not reported
Waterway Involved :	Yes
Waterway :	Long Beach Harbor
Spill Site :	Ship/Harbor/Port
Cleanup By :	Unknown
Containment :	Yes
What Happened :	Via NRC report, a life boat fell off a commercial vessel into the Long Beach Harbor. The life boat is overturned and leaking diesel fuel from the fuel tank.
Type :	Gal(s)
Other :	Not reported
Chemical 1 :	Not Reported
Chemical 2 :	Not Reported
Chemical 3 :	Not Reported
Date/Time :	4/21/2002 1355
Evacuations :	0

HAZNET:

Gepaid:	CAC000925944
TSD EPA ID:	CAD000088252
Gen County:	Los Angeles
Tsd County:	Los Angeles
Tons:	2.7391
Waste Category:	Other organic solids
Disposal Method:	Transfer Station
Contact:	Not reported
Telephone:	(000) 000-0000
Mailing Address:	15431 VANTAGE PARKWAY #210 HOUSTON, TX 77032
County	Los Angeles

LA CITY ENERGY RECOVERY PROJECT (RSI)
LONG BEACH AVE @ MARTIN LUTHER KING BVD
LONG BEACH, CA

SWF/LF S102360927
N/A

LF:

Facility ID:	19-AR-1181
Operator:	Ogden Martin Systems Inc
Operator Phone:	(201) 882-9000
Operator Addr:	40 Lane Rd. Cn 2615 Fairfield, NJ 07007
Owner:	Not reported

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
LA CITY ENERGY RECOVERY PROJECT (RSI) (Continued)		S102360927
Owner Address:	Not reported	
	Not reported	
Owner Telephone:	Not reported	
Activity:	Transformation Facility	
Operator's Status:	Not reported	
Regulation Status:	Not reported	
Region:	STATE	
Lat/Long:	34 / -118	
Permit Date:	Not reported	
Accepted Waste:		
Restrictions:		
Status :	Not reported	
Swisnumber :	Not reported	
Site Type :	Not reported	
Aka :	Not reported	
Type Of Waste :	Not reported	
Disposal Area :	Not reported	
SWFP Date :	Not reported	
WDR Number :	Not reported	
Dates Of Operation :	Not reported	
Closure Approved :	Not reported	
Date Of Field Units :	Not reported	
Surface Condition :	Not reported	
Landfill Gas :	Not reported	
Leachate :	Not reported	
Emergency Response :	Not reported	
Other Recommendation :	Not reported	
Reassess Site :	Not reported	
Priority For Site Assessment :	Not reported	
Lea Date :	Not reported	
Explanation:	Not Reported	
No Further Action:	Not Reported	
Permitted Throughput with Units:	0	
Permitted Throughput with Units:	0	
Permitted Throughput with Units:	0	
Actual Throughput with Units:	Not reported	
Actual Capacity with Units:	0	
Permitted Capacity with Units:	0	
Remaining Capacity with Units:	Not reported	
Permitted Total Acreage:	0	
Inspection Frequency:	None	
Landuse Name:	Not reported	
GIS Source:	Place	
Permit Status:	Not reported	
Category:	Transformation	
Unit Number:	01	
Last Waste Tire Inspection Count :	0	
Last Waste Tire Inspection Date:	Not reported	
Original Waste Tire Count:	0	
Original Waste Tire Count Date:	Not reported	
Closure Date:	/ /	
Closure Type:	Not reported	
Disposal Acreage:	Not reported	
Remaining Capacity:	Not reported	
Year Opened:	Not reported	
Year Closed:	Not reported	
Fill Area:	Not reported	

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
LA CITY ENERGY RECOVERY PROJECT (RSI) (Continued)		S102360927
Type Of Refuse: Not reported		
Avg Depth Of Fill: Not reported		
Addtl Expansion Area: Not reported		
Site Description: Not Reported		
SAN CARLOS DUMP	SWF/LF	S102360798
LONG BEACH FWY NEAR LA RIVER		N/A
LONG BEACH, CA		
LF:		
Facility ID: 19-AA-5340		
Operator: Yang, Ya Chien		
Operator Phone: Not reported		
Operator Addr: 27963 Farm Hill Dr.		
Hayward, CA 94542		
Owner: Caltrans		
Owner Address: Not reported		
120 S. Spring St.		
Los Angles, CA 90012		
Owner Telephone: (213) 897-0458		
Activity: Solid Waste Disposal Site		
Operator's Status: Not reported		
Regulation Status: Not reported		
Region: STATE		
Lat/Long: 34 / -118		
Permit Date: Not reported		
Accepted Waste:		
Restrictions:		
Status : Not reported		
Swisnumber : Not reported		
Site Type : Not reported		
Aka : Not reported		
Type Of Waste : Not reported		
Disposal Area : Not reported		
SWFP Date : Not reported		
WDR Number : Not reported		
Dates Of Operation : Not reported		
Closure Approved : Not reported		
Date Of Field Units : Not reported		
Surface Condition : Not reported		
Landfill Gas : Not reported		
Leachate : Not reported		
Emergency Response : Not reported		
Other Recommendation : Not reported		
Reassess Site : Not reported		
Priority For Site Assessment : Not reported		
Lea Date : Not reported		
Explanation: Not Reported		
No Further Action: Not Reported		
Permitted Throughput with Units: 0		
Permitted Throughput with Units: 0		
Permitted Throughput with Units: 0		
Actual Throughput with Units: Not reported		
Actual Capacity with Units: 0		
Permitted Capacity with Units: 0		
Remaining Capacity with Units: Not reported		
Permitted Total Acreage: 0		
Inspection Frequency: Quarterly		

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
SAN CARLOS DUMP (Continued)		S102360798
Landuse Name: Residential GIS Source: Place Permit Status: Not reported Category: Disposal Unit Number: 01 Last Waste Tire Inspection Count : 0 Last Waste Tire Inspection Date: Not reported Original Waste Tire Count: 0 Original Waste Tire Count Date: Not reported Closure Date: / / Closure Type: Not reported Disposal Acreage: 0 Remaining Capacity: 0 Year Opened: Not reported Year Closed: Not reported Fill Area: Not reported Type Of Refuse: Not reported Avg Depth Of Fill: Not reported Addtl Expansion Area: Not reported Site Description: Not Reported		
APRO, LLC (2 15M D/W XERXES) 3565 LOS COYOTES DIAG LONG BEACH, CA	UST	U003920394 N/A
UST Long Beach: Total Tanks: 2T Tank Test: Dual Walled	Region: LONG BEACH Leak Test: Not reported	
ARCO FAC. #9519-CORP LEASE (3 D/W MODERN) 3100 LOS COYOTES DIAG LONG BEACH, CA	UST	U003920393 N/A
UST Long Beach: Total Tanks: 3T Tank Test: Dual Walled	Region: LONG BEACH Leak Test: Not reported	
CBHS @ LOS ALTOS - 1 S/W STEEL 3340 LOS COYOTES DIAG LONG BEACH, CA	UST	U003660994 N/A
UST Long Beach: Total Tanks: 1T Tank Test: 01/08/96	Region: LONG BEACH Leak Test: 01/08/96	
SITE #4 - MOLE EXTENSION OPERATIONS US NAVAL STATION ON THE JETTY LONG BEACH, CA	SWF/LF	S105003788 N/A
LF: Facility ID: 19-AK-5036 Operator: Not reported Operator Phone: Not reported Operator Addr: Owner: US Dept Of Navy-Long Beach Owner Address: Not reported	Terminal Beach	

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
SITE #4 - MOLE EXTENSION OPERATIONS (Continued)		S105003788
Owner Telephone:	Long Beach, CA 90822 (562) 980-2720	
Activity:	Solid Waste Disposal Site	
Operator's Status:	Not reported	
Regulation Status:	Not reported	
Region:	STATE	
Lat/Long:	34 / -118	
Permit Date:	Not reported	
Accepted Waste:		
Restrictions:		
Status :	Not reported	
Swisnumber :	Not reported	
Site Type :	Not reported	
Aka :	Not reported	
Type Of Waste :	Not reported	
Disposal Area :	Not reported	
SWFP Date :	Not reported	
WDR Number :	Not reported	
Dates Of Operation :	Not reported	
Closure Approved :	Not reported	
Date Of Field Units :	Not reported	
Surface Condition :	Not reported	
Landfill Gas :	Not reported	
Leachate :	Not reported	
Emergency Response :	Not reported	
Other Recommendation :	Not reported	
Reassess Site :	Not reported	
Priority For Site Assessment :	Not reported	
Lea Date :	Not reported	
Explanation:	Not Reported	
No Further Action:	Not Reported	
Permitted Throughput with Units:	Not reported	
Permitted Throughput with Units:	Not reported	
Permitted Throughput with Units:	Not reported	
Actual Throughput with Units:	Not reported	
Actual Capacity with Units:	Not reported	
Permitted Capacity with Units:	Not reported	
Remaining Capacity with Units:	Not reported	
Permitted Total Acreage:	Not reported	
Inspection Frequency:	None	
Landuse Name:	Not reported	
GIS Source:	Map	
Permit Status:	Not reported	
Category:	Disposal	
Unit Number:	01	
Last Waste Tire Inspection Count :	Not reported	
Last Waste Tire Inspection Date:	Not reported	
Original Waste Tire Count:	Not reported	
Original Waste Tire Count Date:	Not reported	
Closure Date:	/ /	
Closure Type:	Not reported	
Disposal Acreage:	Not reported	
Remaining Capacity:	Not reported	
Year Opened:	Not reported	
Year Closed:	Not reported	
Fill Area:	Not reported	
Type Of Refuse:	Not reported	

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
SITE #4 - MOLE EXTENSION OPERATIONS (Continued)		S105003788
Avg Depth Of Fill:	Not reported	
Addtl Expansion Area:	Not reported	
Site Description:	Not Reported	
SITE # 5 SKEET RANGE SW FILL AREA NAVAY WAY AND PILCHARD STREET LONG BEACH, CA	SWF/LF	S105003789 N/A
LF:		
Facility ID:	19-AK-5037	
Operator:	Not reported	
Operator Phone:	Not reported	
Operator Addr:		
Owner:	Not reported	
Owner Address:	Not reported	
	Not reported	
Owner Telephone:	Not reported	
Activity:	Solid Waste Disposal Site	
Operator's Status:	Not reported	
Regulation Status:	Not reported	
Region:	STATE	
Lat/Long:	34 / -118	
Permit Date:	Not reported	
Accepted Waste:		
Restrictions:		
Status :	Not reported	
Swisnumber :	Not reported	
Site Type :	Not reported	
Aka :	Not reported	
Type Of Waste :	Not reported	
Disposal Area :	Not reported	
SWFP Date :	Not reported	
WDR Number :	Not reported	
Dates Of Operation :	Not reported	
Closure Approved :	Not reported	
Date Of Field Units :	Not reported	
Surface Condition :	Not reported	
Landfill Gas :	Not reported	
Leachate :	Not reported	
Emergency Response :	Not reported	
Other Recommendation :	Not reported	
Reassess Site :	Not reported	
Priority For Site Assessment :	Not reported	
Lea Date :	Not reported	
Explanation:	Not Reported	
No Further Action:	Not Reported	
Permitted Throughput with Units:	Not reported	
Permitted Throughput with Units:	Not reported	
Permitted Throughput with Units:	Not reported	
Actual Throughput with Units:	Not reported	
Actual Capacity with Units:	Not reported	
Permitted Capacity with Units:	Not reported	
Remaining Capacity with Units:	Not reported	
Permitted Total Acreage:	Not reported	
Inspection Frequency:	None	
Landuse Name:	Not reported	
GIS Source:	Map	
Permit Status:	Not reported	

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
SITE # 5 SKEET RANGE SW FILL AREA (Continued)		S105003789
Category: Disposal		
Unit Number: 01		
Last Waste Tire Inspection Count : Not reported		
Last Waste Tire Inspection Date: Not reported		
Original Waste Tire Count: Not reported		
Original Waste Tire Count Date: Not reported		
Closure Date: / /		
Closure Type: Not reported		
Disposal Acreage: Not reported		
Remaining Capacity: Not reported		
Year Opened: Not reported		
Year Closed: Not reported		
Fill Area: Not reported		
Type Of Refuse: Not reported		
Avg Depth Of Fill: Not reported		
Addtl Expansion Area: Not reported		
Site Description: Not Reported		
STATE OF CALIFORNIA	HAZNET	S104573040
ON NICHOLSON AVE NORTH OF WEST I ST		N/A
LONG BEACH, CA 90813		
HAZNET:		
Gepaid: CAC002230481		
TSD EPA ID: CAT000646117		
Gen County: Los Angeles		
Tsd County: Kings		
Tons: 214.0712		
Waste Category: Contaminated soil from site clean-ups		
Disposal Method: Not reported		
Contact: STATE OF CALIFORNIA		
Telephone: (916) 255-1194		
Mailing Address: 8800 CAL CENTER DR		
SACRAMENTO, CA 95826		
County Los Angeles		
Gepaid: CAC002230481		
TSD EPA ID: CAT000646117		
Gen County: Los Angeles		
Tsd County: Kings		
Tons: 4136.806		
Waste Category: Contaminated soil from site clean-ups		
Disposal Method: Disposal, Land Fill		
Contact: STATE OF CALIFORNIA		
Telephone: (916) 255-1194		
Mailing Address: 8800 CAL CENTER DR		
SACRAMENTO, CA 95826		
County Los Angeles		
USNAVY LONG BEACH NAVAL SHIPYARD	PADS	1000231526
TERMINAL ISLAND NAVAL COMPLEX	RCRIS-LQG	CA6170023109
LONG BEACH, CA 90822	RCRIS-TSD	
	CORRACTS	
	CHMIRS	
	HIST UST	
	HAZNET	
	VCP	

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
USNAVY LONG BEACH NAVAL SHIPYARD (Continued)		1000231526
RCRIS Corrective Action Summary:		
Event:	Igration of Contaminated Groundwater under Control, Yes, Migration of Contaminated Groundwater Under Control has been verified. Based on a review of information contained in the EI determination, it has been determined that migration of contaminated groundwater is under control at the facility. Specifically, this determination indicates that the migration of contaminated groundwater is under control, and that monitoring will be conducted to confirm that contaminated groundwater remains within the existing area of contaminated groundwater. This determination will be re-evaluated when the Agency becomes aware of significant changes at the facility.	
Event Date:	08/19/2003	
Event:	Current Human Exposures under Control, Yes, Current Human Exposures Under Control has been verified. Based on a review of information contained in the EI determination, current human exposures are expected to be under control at the facility under current and reasonably expected conditions. This determination will be re-evaluated when the Agency/State becomes aware of significant changes at the facility.	
Event Date:	03/09/2001	
Event:	Igration of Contaminated Groundwater under Control, More information is needed to make a determination.	
Event Date:	03/09/2001	
Event:	Current Human Exposures under Control, Yes, Current Human Exposures Under Control has been verified. Based on a review of information contained in the EI determination, current human exposures are expected to be under control at the facility under current and reasonably expected conditions. This determination will be re-evaluated when the Agency/State becomes aware of significant changes at the facility.	
Event Date:	06/04/1998	
Event:	Igration of Contaminated Groundwater under Control, More information is needed to make a determination.	
Event Date:	06/04/1998	
Event:	CMS Approved	
Event Date:	05/01/1998	
Event:	RFI Approved	
Event Date:	09/10/1996	
Event:	Stabilization Measures Evaluation, This facility is not amenable to stabilization activity because of a lack of technical data. An evaluation has been completed, but further data is necessary to determine stabilization measures, feasibility or appropriateness. This status should be changed when data becomes available.	
Event Date:	05/20/1994	
Event:	Stabilization Construction Completed	
Event Date:	03/01/1994	
Event:	Stabilization Measures Implemented, Primary measure is exposure control by barrier and/or institutional control (e.g., capping, fencing, deed restrictions).	
Event Date:	12/06/1993	

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
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USNAVY LONG BEACH NAVAL SHIPYARD (Continued)

1000231526

Event:	RFI Workplan Approved
Event Date:	11/03/1993
Event:	RFI Workplan Approved
Event Date:	10/21/1993
Event:	RFI Approved
Event Date:	09/17/1993
Event:	RFI Workplan Approved
Event Date:	09/13/1993
Event:	CMS Workplan Approved
Event Date:	09/13/1993
Event:	RFI Imposition, Focused data collection required for stabilization evaluation.
Event Date:	06/22/1990
Event:	CA Prioritization, Facility or area was assigned a high corrective action priority.
Event Date:	06/05/1990

RCRIS:

Owner:	UNITED STATES NAVY (213) 547-6443
EPA ID:	CA6170023109
Contact:	Not reported
Classification:	Large Quantity Generator, TSDF
TSDF Activities:	Not reported

BIENNIAL REPORTS:

Last Biennial Reporting Year: 2001

Waste	Quantity (Lbs)	Waste	Quantity (Lbs)
D001	12800.00	D002	30.00
D039	2851200.00	D040	1078800.00
F003	10.00	F004	6800.00

Violation Status: Violations exist

Regulation Violated:	262.30-34.C
Area of Violation:	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	08/20/1996
Actual Date Achieved Compliance:	10/04/1996
Regulation Violated:	264.10-18.B
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	08/20/1996
Actual Date Achieved Compliance:	10/04/1996
Regulation Violated:	262.10-12.A
Area of Violation:	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	08/20/1996
Actual Date Achieved Compliance:	10/04/1996
Regulation Violated:	264.170-177.I
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	09/28/1995
Actual Date Achieved Compliance:	09/29/1995
Regulation Violated:	270
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
USNAVY LONG BEACH NAVAL SHIPYARD (Continued)		1000231526
Date Violation Determined:	09/28/1995	
Actual Date Achieved Compliance:	11/02/1995	
Regulation Violated:	264.10-18.B	
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)	
Date Violation Determined:	09/28/1995	
Actual Date Achieved Compliance:	11/02/1995	
Regulation Violated:	264.190-201.J	
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)	
Date Violation Determined:	09/28/1995	
Actual Date Achieved Compliance:	11/02/1995	
Regulation Violated:	262.50-60	
Area of Violation:	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	
Date Violation Determined:	09/28/1995	
Actual Date Achieved Compliance:	11/02/1995	
Regulation Violated:	264.30-37.C	
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)	
Date Violation Determined:	09/28/1995	
Actual Date Achieved Compliance:	10/04/1995	
Regulation Violated:	268.7	
Area of Violation:	GENERATOR-LAND BAN REQUIREMENTS	
Date Violation Determined:	03/22/1995	
Actual Date Achieved Compliance:	04/19/1995	
Regulation Violated:	262.50-60	
Area of Violation:	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	
Date Violation Determined:	03/22/1995	
Actual Date Achieved Compliance:	04/19/1995	
Regulation Violated:	262.50-60	
Area of Violation:	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	
Date Violation Determined:	03/21/1995	
Actual Date Achieved Compliance:	03/21/1995	
Regulation Violated:	262.30-34.C	
Area of Violation:	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	
Date Violation Determined:	03/21/1995	
Actual Date Achieved Compliance:	03/21/1995	
Regulation Violated:	264.10-18.B	
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)	
Date Violation Determined:	04/28/1994	
Actual Date Achieved Compliance:	06/15/1994	
Regulation Violated:	264.170-177.I	
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)	
Date Violation Determined:	04/28/1994	
Actual Date Achieved Compliance:	06/15/1994	
Regulation Violated:	264.50-56.D	
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)	
Date Violation Determined:	06/07/1993	
Actual Date Achieved Compliance:	01/04/1994	
Regulation Violated:	264.30-37.C	
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)	
Date Violation Determined:	06/07/1993	
Actual Date Achieved Compliance:	01/04/1994	

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
USNAVY LONG BEACH NAVAL SHIPYARD (Continued)		1000231526
Regulation Violated:	270	
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)	
Date Violation Determined:	06/07/1993	
Actual Date Achieved Compliance:	01/04/1994	
Regulation Violated:	264.10-18.B	
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)	
Date Violation Determined:	06/07/1993	
Actual Date Achieved Compliance:	01/04/1994	
Regulation Violated:	270	
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)	
Date Violation Determined:	06/07/1993	
Actual Date Achieved Compliance:	01/04/1994	
Regulation Violated:	264.190-201.J	
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)	
Date Violation Determined:	06/07/1993	
Actual Date Achieved Compliance:	01/04/1994	
Regulation Violated:	270	
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)	
Date Violation Determined:	11/29/1990	
Actual Date Achieved Compliance:	02/14/1991	
Regulation Violated:	268 ALL	
Area of Violation:	TSD-LAND BAN REQUIREMENTS	
Date Violation Determined:	07/19/1990	
Actual Date Achieved Compliance:	12/15/1990	
Regulation Violated:	268.7	
Area of Violation:	GENERATOR-LAND BAN REQUIREMENTS	
Date Violation Determined:	07/19/1990	
Actual Date Achieved Compliance:	12/15/1990	
Regulation Violated:	270	
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)	
Date Violation Determined:	07/19/1990	
Actual Date Achieved Compliance:	12/15/1990	
Regulation Violated:	270	
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)	
Date Violation Determined:	08/06/1989	
Actual Date Achieved Compliance:	02/21/1990	
Regulation Violated:	270	
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)	
Date Violation Determined:	08/06/1989	
Actual Date Achieved Compliance:	02/21/1990	
Regulation Violated:	270	
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)	
Date Violation Determined:	09/28/1988	
Actual Date Achieved Compliance:	01/17/1989	
Regulation Violated:	268 ALL	
Area of Violation:	TSD-LAND BAN REQUIREMENTS	
Date Violation Determined:	03/08/1987	
Actual Date Achieved Compliance:	09/28/1988	
Regulation Violated:	268.7	
Area of Violation:	GENERATOR-LAND BAN REQUIREMENTS	
Date Violation Determined:	03/08/1987	

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
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USNAVY LONG BEACH NAVAL SHIPYARD (Continued)

1000231526

Actual Date Achieved Compliance: 09/28/1988
Regulation Violated: 270
Area of Violation: TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 03/06/1987
Actual Date Achieved Compliance: 09/28/1988

Penalty Summary:

Penalty Description	Penalty Date	Penalty Amount	Lead Agency
Final Monetary Penalty	4/28/1994	400	STATE
Proposed Monetary Penalty	4/28/1994	400	STATE
Final Monetary Penalty	3/4/1994	23575	STATE
Proposed Monetary Penalty	3/4/1994	23575	STATE
Proposed Monetary Penalty	1/4/1994	30000	STATE

There are 31 violation record(s) reported at this site:

Evaluation	Area of Violation	Date of Compliance
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NY MANIFEST

Additional detail is available in NY MANIFEST. Please contact your EDR Account Executive for more information.

CORRACTS Data:

EPA Id: CA6170023109
Region: 9
Area Name: SITES 1,2,3,4,5,7,8,9,10,11,12
Actual Date: 11/03/1993
Corrective Action: CA150 - RFI Workplan Approved
2002 NAICS Title: National Security
Ship Building and Repairing
Ship Building and Repairing
Ship Building and Repairing

EPA Id: CA6170023109
Region: 9
Area Name: SITE 6 BOAT DISPOSAL YARD
Actual Date: 10/21/1993
Corrective Action: CA150 - RFI Workplan Approved
2002 NAICS Title: National Security
Ship Building and Repairing
Ship Building and Repairing
Ship Building and Repairing

EPA Id: CA6170023109
Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 09/13/1993
Corrective Action: CA150 - RFI Workplan Approved
2002 NAICS Title: National Security
Ship Building and Repairing
Ship Building and Repairing
Ship Building and Repairing

EPA Id: CA6170023109
Region: 9
Area Name: SITES 1 - 6A
Actual Date: 09/10/1996

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
USNAVY LONG BEACH NAVAL SHIPYARD (Continued)		1000231526
Corrective Action:	CA200 - RFI Approved	
2002 NAICS Title:	National Security	
	Ship Building and Repairing	
	Ship Building and Repairing	
	Ship Building and Repairing	
EPA Id:	CA6170023109	
Region:	9	
Area Name:	SITE 6B SALVAGE YARD	
Actual Date:	09/17/1993	
Corrective Action:	CA200 - RFI Approved	
2002 NAICS Title:	National Security	
	Ship Building and Repairing	
	Ship Building and Repairing	
	Ship Building and Repairing	

The CORRACTS database contains 12 additional records for this site.
Please contact your EDR Account Executive for more information.

CHMIRS:

OES Control Number:	13097
Chemical Name:	crude oil natural gas
Extent of Release:	Not reported
Property Use:	Not reported
Incident Date:	Not reported
Date Completed:	Not reported
Time Completed :	Not reported
Agency Id Number :	Not reported
Agency Incident Number :	Not reported
OES Incident Number :	13097
Time Notified :	Not reported
Surrounding Area :	Not reported
Estimated Temperature :	Not reported
Property Management :	Not reported
More Than Two Substances Involved? :	Not reported
Special Studies 1 :	Not reported
Special Studies 2 :	Not reported
Special Studies 3 :	Not reported
Special Studies 4 :	Not reported
Special Studies 5 :	Not reported
Special Studies 6 :	Not reported
Responding Agency Personel # Of Injuries :	NO
Responding Agency Personel # Of Fatalities :	NO
Resp Agency Personel # Of Decontaminated :	Not reported
Others Number Of Decontaminated :	Not reported
Others Number Of Injuries :	Not reported
Others Number Of Fatalities :	Not reported
Vehicle Make/year :	Not reported
Vehicle License Number :	Not reported
Vehicle State :	Not reported
Vehicle Id Number :	Not reported
CA/DOT/PUC/ICC Number :	Not reported
Company Name :	Not reported
Reporting Officer Name/ID :	Not reported
Report Date :	Not reported
Comments :	Not reported
Facility Telephone Number :	Not reported

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
USNAVY LONG BEACH NAVAL SHIPYARD (Continued)		1000231526
Waterway Involved :	NO	
Waterway :	Not reported	
Spill Site :	O/F	
Cleanup By :	tidelands oil	
Containment :	NO	
What Happened :	oil well being worked on, a blow out occurred. tidelands oil production company on scene. jim quay at 310 436-9918 may be contacted if additional info.	
Type :	PETROLEUM	
Other :	Not reported	
Chemical 1 :	Not Reported	
Chemical 2 :	Not Reported	
Chemical 3 :	Not Reported	
Date/Time :	0700 04Apr96	
Evacuations :	NO	
UST HIST:		
Facility ID:	68836	Owner Name: UNITED STATES DEPT OF THE NAVY
Total Tanks:	3	Region: STATE
Owner Address:	Not reported	
	Not reported	
Tank Used for:	PRODUCT	
Tank Num:	1	Container Num: 104-1
Tank Capacity:	00009000	Year Installed: Not reported
Type of Fuel:	Not reported	Tank Construction: X inches
Leak Detection:	None	
Contact Name:	Not reported	Telephone: (213) 547-7868
Facility Type:	Other	Other Type: NAVY SHIPYARD
Facility ID:	68836	Owner Name: UNITED STATES DEPT OF THE NAVY
Total Tanks:	3	Region: STATE
Owner Address:	Not reported	
	Not reported	
Tank Used for:	PRODUCT	
Tank Num:	2	Container Num: 150-1
Tank Capacity:	00004400	Year Installed: Not reported
Type of Fuel:	Not reported	Tank Construction: Not Reported
Leak Detection:	None	
Contact Name:	Not reported	Telephone: (213) 547-7868
Facility Type:	Other	Other Type: NAVY SHIPYARD
Facility ID:	68836	Owner Name: UNITED STATES DEPT OF THE NAVY
Total Tanks:	3	Region: STATE
Owner Address:	Not reported	
	Not reported	
Tank Used for:	PRODUCT	
Tank Num:	3	Container Num: 53-1
Tank Capacity:	00001800	Year Installed: Not reported
Type of Fuel:	Not reported	Tank Construction: Not Reported
Leak Detection:	None	
Contact Name:	Not reported	Telephone: (213) 547-7868
Facility Type:	Other	Other Type: NAVY SHIPYARD
Facility ID:	7820	Owner Name: UNITED STATES DEPT OF THE NAVY
Total Tanks:	37	Region: STATE
Owner Address:	TERMINAL ISLAND NAVAL COMPLEX LONG BEACH, CA 90822	

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number	EPA ID Number
USNAVY LONG BEACH NAVAL SHIPYARD (Continued)		1000231526	
Tank Used for: PRODUCT Tank Num: 1 Tank Capacity: 00006500 Type of Fuel: DIESEL Leak Detection: None Contact Name: Not reported Facility Type: Other	Container Num: 4-1 Year Installed: Not reported Tank Construction: Not Reported Telephone: (213) 547-7874 Other Type: NAVY SHIPYARD		
Facility ID: 7820 Total Tanks: 37 Owner Address: TERMINAL ISLAND NAVAL COMPLEX LONG BEACH, CA 90822	Owner Name: UNITED STATES DEPT OF THE NAVY Region: STATE		
Tank Used for: PRODUCT Tank Num: 2 Tank Capacity: 00002000 Type of Fuel: DIESEL Leak Detection: None Contact Name: Not reported Facility Type: Other	Container Num: 4-2 Year Installed: Not reported Tank Construction: Not Reported Telephone: (213) 547-7874 Other Type: NAVY SHIPYARD		
Facility ID: 7820 Total Tanks: 37 Owner Address: TERMINAL ISLAND NAVAL COMPLEX LONG BEACH, CA 90822	Owner Name: UNITED STATES DEPT OF THE NAVY Region: STATE		
Tank Used for: PRODUCT Tank Num: 3 Tank Capacity: 00002000 Type of Fuel: DIESEL Leak Detection: Not reported Contact Name: Not reported Facility Type: Other	Container Num: 4-3 Year Installed: Not reported Tank Construction: Not Reported Telephone: (213) 547-7874 Other Type: NAVY SHIPYARD		
Facility ID: 7820 Total Tanks: 37 Owner Address: TERMINAL ISLAND NAVAL COMPLEX LONG BEACH, CA 90822	Owner Name: UNITED STATES DEPT OF THE NAVY Region: STATE		
Tank Used for: PRODUCT Tank Num: 4 Tank Capacity: 00015500 Type of Fuel: DIESEL Leak Detection: None Contact Name: Not reported Facility Type: Other	Container Num: 4-4 Year Installed: Not reported Tank Construction: Not Reported Telephone: (213) 547-7874 Other Type: NAVY SHIPYARD		
Facility ID: 7820 Total Tanks: 37 Owner Address: TERMINAL ISLAND NAVAL COMPLEX LONG BEACH, CA 90822	Owner Name: UNITED STATES DEPT OF THE NAVY Region: STATE		
Tank Used for: PRODUCT Tank Num: 5 Tank Capacity: 00001500 Type of Fuel: DIESEL Leak Detection: None Contact Name: Not reported Facility Type: Other	Container Num: SWPS#3 61- Year Installed: 1970 Tank Construction: Not Reported Telephone: (213) 547-7874 Other Type: NAVY SHIPYARD		
Facility ID: 7820	Owner Name: UNITED STATES DEPT OF THE NAVY		

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number	EPA ID Number
USNAVY LONG BEACH NAVAL SHIPYARD (Continued)		1000231526	
Total Tanks:	37	Region:	STATE
Owner Address:	TERMINAL ISLAND NAVAL COMPLEX LONG BEACH, CA 90822		
Tank Used for:	PRODUCT		
Tank Num:	6	Container Num:	101-1
Tank Capacity:	00015000	Year Installed:	1968
Type of Fuel:	UNLEADED	Tank Construction:	Not Reported
Leak Detection:	None		
Contact Name:	Not reported	Telephone:	(213) 547-7874
Facility Type:	Other	Other Type:	NAVY SHIPYARD
Facility ID:	7820	Owner Name:	UNITED STATES DEPT OF THE NAVY
Total Tanks:	37	Region:	STATE
Owner Address:	TERMINAL ISLAND NAVAL COMPLEX LONG BEACH, CA 90822		
Tank Used for:	PRODUCT		
Tank Num:	7	Container Num:	101-2
Tank Capacity:	00015000	Year Installed:	1968
Type of Fuel:	REGULAR	Tank Construction:	Not Reported
Leak Detection:	None		
Contact Name:	Not reported	Telephone:	(213) 547-7874
Facility Type:	Other	Other Type:	NAVY SHIPYARD
Facility ID:	7820	Owner Name:	UNITED STATES DEPT OF THE NAVY
Total Tanks:	37	Region:	STATE
Owner Address:	TERMINAL ISLAND NAVAL COMPLEX LONG BEACH, CA 90822		
Tank Used for:	Not Reported		
Tank Num:	8	Container Num:	101-3
Tank Capacity:	00015000	Year Installed:	1968
Type of Fuel:	DIESEL	Tank Construction:	Not Reported
Leak Detection:	None		
Contact Name:	Not reported	Telephone:	(213) 547-7874
Facility Type:	Other	Other Type:	NAVY SHIPYARD
Facility ID:	7820	Owner Name:	UNITED STATES DEPT OF THE NAVY
Total Tanks:	37	Region:	STATE
Owner Address:	TERMINAL ISLAND NAVAL COMPLEX LONG BEACH, CA 90822		
Tank Used for:	PRODUCT		
Tank Num:	9	Container Num:	101-4
Tank Capacity:	00001000	Year Installed:	1968
Type of Fuel:	Not reported	Tank Construction:	Not Reported
Leak Detection:	None		
Contact Name:	Not reported	Telephone:	(213) 547-7874
Facility Type:	Other	Other Type:	NAVY SHIPYARD
Facility ID:	7820	Owner Name:	UNITED STATES DEPT OF THE NAVY
Total Tanks:	37	Region:	STATE
Owner Address:	TERMINAL ISLAND NAVAL COMPLEX LONG BEACH, CA 90822		
Tank Used for:	PRODUCT		
Tank Num:	10	Container Num:	101-5
Tank Capacity:	00005000	Year Installed:	1968
Type of Fuel:	Not reported	Tank Construction:	Not Reported
Leak Detection:	None		
Contact Name:	Not reported	Telephone:	(213) 547-7874

DETAILED ORPHAN LISTING

Site	Database(s)		EDR ID Number
			EPA ID Number
USNAVY LONG BEACH NAVAL SHIPYARD (Continued)			1000231526
Facility Type:	Other	Other Type:	NAVY SHIPYARD
Facility ID:	7820	Owner Name:	UNITED STATES DEPT OF THE NAVY
Total Tanks:	37	Region:	STATE
Owner Address:	TERMINAL ISLAND NAVAL COMPLEX LONG BEACH, CA 90822		
Tank Used for:	PRODUCT		
Tank Num:	11	Container Num:	109-1
Tank Capacity:	00003000	Year Installed:	Not reported
Type of Fuel:	Not reported	Tank Construction:	Not Reported
Leak Detection:	None		
Contact Name:	Not reported	Telephone:	(213) 547-7874
Facility Type:	Other	Other Type:	NAVY SHIPYARD
Facility ID:	7820	Owner Name:	UNITED STATES DEPT OF THE NAVY
Total Tanks:	37	Region:	STATE
Owner Address:	TERMINAL ISLAND NAVAL COMPLEX LONG BEACH, CA 90822		
Tank Used for:	WASTE		
Tank Num:	12	Container Num:	128-1
Tank Capacity:	00000000	Year Installed:	Not reported
Type of Fuel:	WASTE OIL	Tank Construction:	Not Reported
Leak Detection:	None		
Contact Name:	Not reported	Telephone:	(213) 547-7874
Facility Type:	Other	Other Type:	NAVY SHIPYARD
Facility ID:	7820	Owner Name:	UNITED STATES DEPT OF THE NAVY
Total Tanks:	37	Region:	STATE
Owner Address:	TERMINAL ISLAND NAVAL COMPLEX LONG BEACH, CA 90822		
Tank Used for:	WASTE		
Tank Num:	13	Container Num:	128-2
Tank Capacity:	00000000	Year Installed:	Not reported
Type of Fuel:	WASTE OIL	Tank Construction:	Not Reported
Leak Detection:	None		
Contact Name:	Not reported	Telephone:	(213) 547-7874
Facility Type:	Other	Other Type:	NAVY SHIPYARD
Facility ID:	7820	Owner Name:	UNITED STATES DEPT OF THE NAVY
Total Tanks:	37	Region:	STATE
Owner Address:	TERMINAL ISLAND NAVAL COMPLEX LONG BEACH, CA 90822		
Tank Used for:	WASTE		
Tank Num:	14	Container Num:	128-3
Tank Capacity:	00000000	Year Installed:	Not reported
Type of Fuel:	WASTE OIL	Tank Construction:	Not Reported
Leak Detection:	None		
Contact Name:	Not reported	Telephone:	(213) 547-7874
Facility Type:	Other	Other Type:	NAVY SHIPYARD
Facility ID:	7820	Owner Name:	UNITED STATES DEPT OF THE NAVY
Total Tanks:	37	Region:	STATE
Owner Address:	TERMINAL ISLAND NAVAL COMPLEX LONG BEACH, CA 90822		
Tank Used for:	PRODUCT		
Tank Num:	15	Container Num:	129-1
Tank Capacity:	00002300	Year Installed:	1975

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
USNAVY LONG BEACH NAVAL SHIPYARD (Continued)		1000231526
Type of Fuel: DIESEL Leak Detection: None Contact Name: Not reported Facility Type: Other	Tank Construction: Not Reported Telephone: (213) 547-7874 Other Type: NAVY SHIPYARD	
Facility ID: 7820 Total Tanks: 37 Owner Address: TERMINAL ISLAND NAVAL COMPLEX LONG BEACH, CA 90822	Owner Name: UNITED STATES DEPT OF THE NAVY Region: STATE	
Tank Used for: PRODUCT Tank Num: 16 Tank Capacity: 00002300 Type of Fuel: DIESEL Leak Detection: None Contact Name: Not reported Facility Type: Other	Container Num: 129-2 Year Installed: 1975 Tank Construction: Not Reported Telephone: (213) 547-7874 Other Type: NAVY SHIPYARD	
Facility ID: 7820 Total Tanks: 37 Owner Address: TERMINAL ISLAND NAVAL COMPLEX LONG BEACH, CA 90822	Owner Name: UNITED STATES DEPT OF THE NAVY Region: STATE	
Tank Used for: PRODUCT Tank Num: 17 Tank Capacity: 00002300 Type of Fuel: Not reported Leak Detection: None Contact Name: Not reported Facility Type: Other	Container Num: 129-3 Year Installed: 1975 Tank Construction: Not Reported Telephone: (213) 547-7874 Other Type: NAVY SHIPYARD	
Facility ID: 7820 Total Tanks: 37 Owner Address: TERMINAL ISLAND NAVAL COMPLEX LONG BEACH, CA 90822	Owner Name: UNITED STATES DEPT OF THE NAVY Region: STATE	
Tank Used for: WASTE Tank Num: 18 Tank Capacity: 00000300 Type of Fuel: Not reported Leak Detection: None Contact Name: Not reported Facility Type: Other	Container Num: 129-4 Year Installed: 1975 Tank Construction: Not Reported Telephone: (213) 547-7874 Other Type: NAVY SHIPYARD	
Facility ID: 7820 Total Tanks: 37 Owner Address: TERMINAL ISLAND NAVAL COMPLEX LONG BEACH, CA 90822	Owner Name: UNITED STATES DEPT OF THE NAVY Region: STATE	
Tank Used for: PRODUCT Tank Num: 19 Tank Capacity: 00000800 Type of Fuel: Not reported Leak Detection: None Contact Name: Not reported Facility Type: Other	Container Num: 129-5 Year Installed: 1975 Tank Construction: Not Reported Telephone: (213) 547-7874 Other Type: NAVY SHIPYARD	
Facility ID: 7820 Total Tanks: 37 Owner Address: TERMINAL ISLAND NAVAL COMPLEX LONG BEACH, CA 90822	Owner Name: UNITED STATES DEPT OF THE NAVY Region: STATE	

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number	EPA ID Number
USNAVY LONG BEACH NAVAL SHIPYARD (Continued)		1000231526	
Tank Used for:	PRODUCT		
Tank Num:	20	Container Num:	129-6
Tank Capacity:	00000060	Year Installed:	1975
Type of Fuel:	Not reported	Tank Construction:	Not Reported
Leak Detection:	None		
Contact Name:	Not reported	Telephone:	(213) 547-7874
Facility Type:	Other	Other Type:	NAVY SHIPYARD
Facility ID:	7820	Owner Name:	UNITED STATES DEPT OF THE NAVY
Total Tanks:	37	Region:	STATE
Owner Address:	TERMINAL ISLAND NAVAL COMPLEX LONG BEACH, CA 90822		
Tank Used for:	PRODUCT		
Tank Num:	21	Container Num:	129-7
Tank Capacity:	00000060	Year Installed:	1975
Type of Fuel:	Not reported	Tank Construction:	Not Reported
Leak Detection:	None		
Contact Name:	Not reported	Telephone:	(213) 547-7874
Facility Type:	Other	Other Type:	NAVY SHIPYARD
Facility ID:	7820	Owner Name:	UNITED STATES DEPT OF THE NAVY
Total Tanks:	37	Region:	STATE
Owner Address:	TERMINAL ISLAND NAVAL COMPLEX LONG BEACH, CA 90822		
Tank Used for:	PRODUCT		
Tank Num:	22	Container Num:	129-8
Tank Capacity:	00000060	Year Installed:	1975
Type of Fuel:	Not reported	Tank Construction:	Not Reported
Leak Detection:	None		
Contact Name:	Not reported	Telephone:	(213) 547-7874
Facility Type:	Other	Other Type:	NAVY SHIPYARD
Facility ID:	7820	Owner Name:	UNITED STATES DEPT OF THE NAVY
Total Tanks:	37	Region:	STATE
Owner Address:	TERMINAL ISLAND NAVAL COMPLEX LONG BEACH, CA 90822		
Tank Used for:	PRODUCT		
Tank Num:	23	Container Num:	129-9
Tank Capacity:	00000060	Year Installed:	1975
Type of Fuel:	Not reported	Tank Construction:	Not Reported
Leak Detection:	None		
Contact Name:	Not reported	Telephone:	(213) 547-7874
Facility Type:	Other	Other Type:	NAVY SHIPYARD
Facility ID:	7820	Owner Name:	UNITED STATES DEPT OF THE NAVY
Total Tanks:	37	Region:	STATE
Owner Address:	TERMINAL ISLAND NAVAL COMPLEX LONG BEACH, CA 90822		
Tank Used for:	WASTE		
Tank Num:	24	Container Num:	132-1
Tank Capacity:	00008000	Year Installed:	Not reported
Type of Fuel:	Not reported	Tank Construction:	Not Reported
Leak Detection:	None		
Contact Name:	Not reported	Telephone:	(213) 547-7874
Facility Type:	Other	Other Type:	NAVY SHIPYARD
Facility ID:	7820	Owner Name:	UNITED STATES DEPT OF THE NAVY

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
USNAVY LONG BEACH NAVAL SHIPYARD (Continued)		1000231526
Total Tanks: 37 Owner Address: TERMINAL ISLAND NAVAL COMPLEX LONG BEACH, CA 90822 Tank Used for: PRODUCT Tank Num: 25 Tank Capacity: 00000550 Type of Fuel: DIESEL Leak Detection: None Contact Name: Not reported Facility Type: Other	Region: STATE Container Num: 162-1 Year Installed: 1975 Tank Construction: Not Reported Telephone: (213) 547-7874 Other Type: NAVY SHIPYARD	
Facility ID: 7820 Total Tanks: 37 Owner Address: TERMINAL ISLAND NAVAL COMPLEX LONG BEACH, CA 90822 Tank Used for: WASTE Tank Num: 26 Tank Capacity: 00001000 Type of Fuel: Not reported Leak Detection: None Contact Name: Not reported Facility Type: Other	Owner Name: UNITED STATES DEPT OF THE NAVY Region: STATE Container Num: 196-1 Year Installed: 1973 Tank Construction: Not Reported Telephone: (213) 547-7874 Other Type: NAVY SHIPYARD	
Facility ID: 7820 Total Tanks: 37 Owner Address: TERMINAL ISLAND NAVAL COMPLEX LONG BEACH, CA 90822 Tank Used for: WASTE Tank Num: 27 Tank Capacity: 00033000 Type of Fuel: Not reported Leak Detection: None Contact Name: Not reported Facility Type: Other	Owner Name: UNITED STATES DEPT OF THE NAVY Region: STATE Container Num: 202-1 Year Installed: 1977 Tank Construction: Not Reported Telephone: (213) 547-7874 Other Type: NAVY SHIPYARD	
Facility ID: 7820 Total Tanks: 37 Owner Address: TERMINAL ISLAND NAVAL COMPLEX LONG BEACH, CA 90822 Tank Used for: WASTE Tank Num: 28 Tank Capacity: 00033000 Type of Fuel: Not reported Leak Detection: None Contact Name: Not reported Facility Type: Other	Owner Name: UNITED STATES DEPT OF THE NAVY Region: STATE Container Num: 202-2 Year Installed: 1977 Tank Construction: Not Reported Telephone: (213) 547-7874 Other Type: NAVY SHIPYARD	
Facility ID: 7820 Total Tanks: 37 Owner Address: TERMINAL ISLAND NAVAL COMPLEX LONG BEACH, CA 90822 Tank Used for: WASTE Tank Num: 29 Tank Capacity: 00033000 Type of Fuel: Not reported Leak Detection: None Contact Name: Not reported	Owner Name: UNITED STATES DEPT OF THE NAVY Region: STATE Container Num: 202-3 Year Installed: 1977 Tank Construction: Not Reported Telephone: (213) 547-7874	

DETAILED ORPHAN LISTING

Site	Database(s)		EDR ID Number
			EPA ID Number
USNAVY LONG BEACH NAVAL SHIPYARD (Continued)			1000231526
Facility Type:	Other	Other Type:	NAVY SHIPYARD
Facility ID:	7820	Owner Name:	UNITED STATES DEPT OF THE NAVY
Total Tanks:	37	Region:	STATE
Owner Address:	TERMINAL ISLAND NAVAL COMPLEX LONG BEACH, CA 90822		
Tank Used for:	PRODUCT		
Tank Num:	30	Container Num:	207-1
Tank Capacity:	00000300	Year Installed:	1978
Type of Fuel:	DIESEL	Tank Construction:	Not Reported
Leak Detection:	None		
Contact Name:	Not reported	Telephone:	(213) 547-7874
Facility Type:	Other	Other Type:	NAVY SHIPYARD
Facility ID:	7820	Owner Name:	UNITED STATES DEPT OF THE NAVY
Total Tanks:	37	Region:	STATE
Owner Address:	TERMINAL ISLAND NAVAL COMPLEX LONG BEACH, CA 90822		
Tank Used for:	PRODUCT		
Tank Num:	31	Container Num:	215-1
Tank Capacity:	00005000	Year Installed:	Not reported
Type of Fuel:	DIESEL	Tank Construction:	Not Reported
Leak Detection:	None		
Contact Name:	Not reported	Telephone:	(213) 547-7874
Facility Type:	Other	Other Type:	NAVY SHIPYARD
Facility ID:	7820	Owner Name:	UNITED STATES DEPT OF THE NAVY
Total Tanks:	37	Region:	STATE
Owner Address:	TERMINAL ISLAND NAVAL COMPLEX LONG BEACH, CA 90822		
Tank Used for:	WASTE		
Tank Num:	32	Container Num:	216-1
Tank Capacity:	00001000	Year Installed:	1977
Type of Fuel:	Not reported	Tank Construction:	Not Reported
Leak Detection:	None		
Contact Name:	Not reported	Telephone:	(213) 547-7874
Facility Type:	Other	Other Type:	NAVY SHIPYARD
Facility ID:	7820	Owner Name:	UNITED STATES DEPT OF THE NAVY
Total Tanks:	37	Region:	STATE
Owner Address:	TERMINAL ISLAND NAVAL COMPLEX LONG BEACH, CA 90822		
Tank Used for:	PRODUCT		
Tank Num:	33	Container Num:	220-1
Tank Capacity:	00000370	Year Installed:	Not reported
Type of Fuel:	DIESEL	Tank Construction:	Not Reported
Leak Detection:	None		
Contact Name:	Not reported	Telephone:	(213) 547-7874
Facility Type:	Other	Other Type:	NAVY SHIPYARD
Facility ID:	7820	Owner Name:	UNITED STATES DEPT OF THE NAVY
Total Tanks:	37	Region:	STATE
Owner Address:	TERMINAL ISLAND NAVAL COMPLEX LONG BEACH, CA 90822		
Tank Used for:	WASTE		
Tank Num:	34	Container Num:	301-1
Tank Capacity:	00001000	Year Installed:	1970

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
USNAVY LONG BEACH NAVAL SHIPYARD (Continued)		1000231526
Type of Fuel: Not reported	Tank Construction: Not Reported	
Leak Detection: None		
Contact Name: Not reported	Telephone: (213) 547-7874	
Facility Type: Other	Other Type: NAVY SHIPYARD	
Facility ID: 7820	Owner Name: UNITED STATES DEPT OF THE NAVY	
Total Tanks: 37	Region: STATE	
Owner Address: TERMINAL ISLAND NAVAL COMPLEX LONG BEACH, CA 90822		
Tank Used for: PRODUCT		
Tank Num: 35	Container Num: 302-1	
Tank Capacity: 00025000	Year Installed: Not reported	
Type of Fuel: DIESEL	Tank Construction: Not Reported	
Leak Detection: Not reported		
Contact Name: Not reported	Telephone: (213) 547-7874	
Facility Type: Other	Other Type: NAVY SHIPYARD	
Facility ID: 7820	Owner Name: UNITED STATES DEPT OF THE NAVY	
Total Tanks: 37	Region: STATE	
Owner Address: TERMINAL ISLAND NAVAL COMPLEX LONG BEACH, CA 90822		
Tank Used for: PRODUCT		
Tank Num: 36	Container Num: 302-2	
Tank Capacity: 00025000	Year Installed: Not reported	
Type of Fuel: DIESEL	Tank Construction: Not Reported	
Leak Detection: Not reported		
Contact Name: Not reported	Telephone: (213) 547-7874	
Facility Type: Other	Other Type: NAVY SHIPYARD	
Facility ID: 7820	Owner Name: UNITED STATES DEPT OF THE NAVY	
Total Tanks: 37	Region: STATE	
Owner Address: TERMINAL ISLAND NAVAL COMPLEX LONG BEACH, CA 90822		
Tank Used for: PRODUCT		
Tank Num: 37	Container Num: 302-3	
Tank Capacity: 00025000	Year Installed: Not reported	
Type of Fuel: DIESEL	Tank Construction: Not Reported	
Leak Detection: Not reported		
Contact Name: Not reported	Telephone: (213) 547-7874	
Facility Type: Other	Other Type: NAVY SHIPYARD	
HAZNET:		
Gepaid: CA6170023109		
TSD EPA ID: CAD000088252		
Gen County: Los Angeles		
Tsd County: Los Angeles		
Tons: .0005		
Waste Category: Adhesives		
Disposal Method: Transfer Station		
Contact: U S GOVT, DEPT OF THE NAVY		
Telephone: (000) 000-0000		
Mailing Address: 1220 PACIFIC AVE SAN DIEGO, CA 92101		
County: Los Angeles		

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
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USNAVY LONG BEACH NAVAL SHIPYARD (Continued)

1000231526

Gepaid: CA6170023109
 TSD EPA ID: CAD000088252
 Gen County: Los Angeles
 Tsd County: Los Angeles
 Tons: 14.3620
 Waste Category: Unspecified sludge waste
 Disposal Method: Transfer Station
 Contact: U S GOVT, DEPT OF THE NAVY
 Telephone: (000) 000-0000
 Mailing Address: 1220 PACIFIC AVE
 SAN DIEGO, CA 92101
 County: Los Angeles

Gepaid: CA6170023109
 TSD EPA ID: CAD000088252
 Gen County: Los Angeles
 Tsd County: Los Angeles
 Tons: .1475
 Waste Category: Other inorganic solid waste
 Disposal Method: Disposal, Other
 Contact: U S GOVT, DEPT OF THE NAVY
 Telephone: (000) 000-0000
 Mailing Address: 1220 PACIFIC AVE
 SAN DIEGO, CA 92101
 County: Los Angeles

Gepaid: CA6170023109
 TSD EPA ID: CAD000088252
 Gen County: Los Angeles
 Tsd County: Los Angeles
 Tons: 1.3015
 Waste Category: Unspecified organic liquid mixture
 Disposal Method: Transfer Station
 Contact: U S GOVT, DEPT OF THE NAVY
 Telephone: (000) 000-0000
 Mailing Address: 1220 PACIFIC AVE
 SAN DIEGO, CA 92101
 County: Los Angeles

Gepaid: CA6170023109
 TSD EPA ID: CAD000088252
 Gen County: Los Angeles
 Tsd County: Los Angeles
 Tons: 4.3925
 Waste Category: Transfer Station
 Disposal Method: U S GOVT, DEPT OF THE NAVY
 Contact: (000) 000-0000
 Telephone: 1220 PACIFIC AVE
 Mailing Address: SAN DIEGO, CA 92101
 County: Los Angeles

The CA HAZNET database contains 614 additional records for this site.
 Please contact your EDR Account Executive for more information.

VCP:

Facility ID 19130104
 Dtsc Region Code : 4

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
USNAVY LONG BEACH NAVAL SHIPYARD (Continued)		1000231526
Region Code Definition : CYPRESS County Code : 19 Site Name Under : PIER S/AREA 4 Current Status Date : 10011997 Current Status Code : VCP Current Status : VOLUNTARY CLEANUP PROGRAM Lead Agency Code : DTSC Lead Agency : DEPT OF TOXIC SUBSTANCES CONTROL Site Type Code : VCP Site Type : VOLUNTARY CLEANUP PROGRAM National Priorities List : Not reported Tier : Not reported Source Of Funding Code : Not reported Staff Member : SSAYED Supervisor : Not reported Sic Code : 13 Sic Code Definition : OIL & GAS EXTRACTION Site Mitigatn & Brnfls Reuse Prog (SMBR) Code : SB SMBR Branch : SO CAL - CYPRESS Regional Water Quality Control Board : Not reported RWQCB Definition : Not reported Site Access Controlled : Not reported Listed In Haz Wst & Substncs Sites List (CORTESE) : Not reported Date Hazard Ranked : Not reported GW Contamination Suspected : Not reported # Of Sources Contributing To Contamination : 0.00000 Lat/Long : 0.00000° 0.00000° 0.00000° / 0.00000° 0.00000° 0.00000° Direction Lat : Not reported Direction Long : Not reported Lat/long Method : Not reported Entity Lat/long Coordinates Refer To : Not reported State Assembly Distt Code : 55 State Senate Distt Code : 27 Identifying Code: CSTAR ID Value: 400648 Other ID Desc: CALSTARS CODE Alternate Name(s): PIER S.AREA 4/PORT OF LONG BEACH Alternate Name(s): PIER S/AREA 4 Alternate Name(s): LONG BEACH HARBOR Alternate Name(s): PORT OF LONG BEACH Address(es) : TERMINAL ISLAND LONG BEACH, CA 90802 Background Info : The 175-acre site on Terminal Island has been utilized from the 1930's to the present for oil production. During the period of 1965 to 1970, the then-owner of the site (Union Pacific Resources Company, UPRC) held agreements with outside parties to lease the property for the disposal of rotary muds and crude oil tank bottoms. There are anecdotal accounts that some of the wastes disposed to the property were not consistent with waste specified in the lease contracts. In 1991, the City of Long Beach conducted a pre-purchase due diligence site investigation. The site was purchased by the City from UPRC in 1994. From 1995 to 1997 the City conducted supplement investigations. Contaminants detected include high molecular weight hydrocarbons, volatile and semi-volatile organic compounds (including polynuclear aromatic hydrocarbons) and heavy metals		

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
USNAVY LONG BEACH NAVAL SHIPYARD (Continued)		1000231526
Not reported		
Not reported		
Not reported		
Facility Id :	19130104	
AWP Activities Code :	1.00000	
DTSC Site Activity Code :	ORDER	
Activity Code Def:	I/SE, IORSE, FFA, FFSRA, VCA, EA	
AWP Activity Id :	VCA	
Dt Activity Due For Completion :	Not reported	
Revised Due Date :	Not reported	
Date Activity Completed :	09241997	
Est # Of Person-years To Complete :	0.00000	
Est. Size Of An Activity Code :	Not reported	
Site Status When Activity Commitment Made :	VCP	
Status Code Definition :	VOLUNTARY CLEANUP PROGRAM	
Cubic Yards Of Solids Removed At Completion :	0.00000	
Gallons Of Liquid Removed Upon Completion :	0.00000	
Cubic Yards Of Solids Treated Upon Completion :	0.00000	
Actvty Deleted Via Commitmnt/Completns Screen :	Not reported	
Facility Id :	19130104	
AWP Activities Code :	2.00000	
DTSC Site Activity Code :	RIFS	
Activity Code Def:	REMEDIATION INVESTIGATION / FEASIBILITY STUDY	
AWP Activity Id :	Not reported	
Dt Activity Due For Completion :	Not reported	
Revised Due Date :	Not reported	
Date Activity Completed :	10061998	
Est # Of Person-years To Complete :	0.00000	
Est. Size Of An Activity Code :	Not reported	
Site Status When Activity Commitment Made :	VCP	
Status Code Definition :	VOLUNTARY CLEANUP PROGRAM	
Cubic Yards Of Solids Removed At Completion :	0.00000	
Gallons Of Liquid Removed Upon Completion :	0.00000	
Cubic Yards Of Solids Treated Upon Completion :	0.00000	
Actvty Deleted Via Commitmnt/Completns Screen :	Not reported	
Facility Id :	19130104	
AWP Activities Code :	3.00000	
DTSC Site Activity Code :	RAP	
Activity Code Def:	REMEDIATION ACTION PLAN / RECORD OF DECISION	
AWP Activity Id :	Not reported	
Dt Activity Due For Completion :	Not reported	
Revised Due Date :	Not reported	
Date Activity Completed :	04081999	
Est # Of Person-years To Complete :	0.00000	
Est. Size Of An Activity Code :	Not reported	
Site Status When Activity Commitment Made :	VCP	
Status Code Definition :	VOLUNTARY CLEANUP PROGRAM	
Cubic Yards Of Solids Removed At Completion :	0.00000	
Gallons Of Liquid Removed Upon Completion :	0.00000	
Cubic Yards Of Solids Treated Upon Completion :	0.00000	
Actvty Deleted Via Commitmnt/Completns Screen :	Not reported	
Facility Id :	19130104	
AWP Activities Code :	4.00000	
DTSC Site Activity Code :	DES	
Activity Code Def:	DESIGN	
AWP Activity Id :	Not reported	
Dt Activity Due For Completion :	Not reported	

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
USNAVY LONG BEACH NAVAL SHIPYARD (Continued)		1000231526
Revised Due Date :	Not reported	
Date Activity Completed :	04192000	
Est # Of Person-years To Complete :	0.00000	
Est. Size Of An Activity Code :	Not reported	
Site Status When Activity Commitment Made :	VCP	
Status Code Definition :	VOLUNTARY CLEANUP PROGRAM	
Cubic Yards Of Solids Removed At Completion :	0.00000	
Gallons Of Liquid Removed Upon Completion :	0.00000	
Cubic Yards Of Solids Treated Upon Completion :	0.00000	
Actvty Deleted Via Commitmnt/Completns Screen :	Not reported	
Facility Id :	19130104	
AWP Activities Code :	5.00000	
DTSC Site Activity Code :	RMDL	
Activity Code Def:	REMEDIAL ACTION (RAP REQUIRED)	
AWP Activity Id :	Not reported	
Dt Activity Due For Completion :	Not reported	
Revised Due Date :	Not reported	
Date Activity Completed :	04232002	
Est # Of Person-years To Complete :	0.00000	
Est. Size Of An Activity Code :	Not reported	
Site Status When Activity Commitment Made :	VCP	
Status Code Definition :	VOLUNTARY CLEANUP PROGRAM	
Cubic Yards Of Solids Removed At Completion :	466500.00000	
Gallons Of Liquid Removed Upon Completion :	0.00000	
Cubic Yards Of Solids Treated Upon Completion :	466500.00000	
Actvty Deleted Via Commitmnt/Completns Screen :	Not reported	
Facility Id :	19130104	
AWP Activities Code :	6.00000	
DTSC Site Activity Code :	CERT	
Activity Code Def:	CERTIFICATION	
AWP Activity Id :	Not reported	
Dt Activity Due For Completion :	04302004	
Revised Due Date :	Not reported	
Date Activity Completed :	Not reported	
Est # Of Person-years To Complete :	0.00000	
Est. Size Of An Activity Code :	Not reported	
Site Status When Activity Commitment Made :	VCP	
Status Code Definition :	VOLUNTARY CLEANUP PROGRAM	
Cubic Yards Of Solids Removed At Completion :	0.00000	
Gallons Of Liquid Removed Upon Completion :	0.00000	
Cubic Yards Of Solids Treated Upon Completion :	0.00000	
Actvty Deleted Via Commitmnt/Completns Screen :	Not reported	
Facility Id :	19130104	
AWP Activities Code :	7.00000	
DTSC Site Activity Code :	OM	
Activity Code Def:	OPERATION & MAINTENANCE	
AWP Activity Id :	Not reported	
Dt Activity Due For Completion :	06302004	
Revised Due Date :	09302033	
Date Activity Completed :	Not reported	
Est # Of Person-years To Complete :	0.00000	
Est. Size Of An Activity Code :	Not reported	
Site Status When Activity Commitment Made :	VCP	
Status Code Definition :	VOLUNTARY CLEANUP PROGRAM	
Cubic Yards Of Solids Removed At Completion :	0.00000	
Gallons Of Liquid Removed Upon Completion :	0.00000	
Cubic Yards Of Solids Treated Upon Completion :	0.00000	

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
USNAVY LONG BEACH NAVAL SHIPYARD (Continued)		1000231526
Actvty Deleted Via Commitmnt/Completns Screen : Not reported Special Program Code: Not reported Special Program : Not reported Comments Date : 01292003 Comments : The site is being covered with a base rock layer and asphalt pavement to minimize surface water infiltration. Not reported The proposed remedial action in the RAP is excavation and on-site stabilization alternative which includes: excavation of sump soil, stabilization of sump soil by mixing with cement and placement of the excavated and stabilized sump soil in the treatment cell on top of the clean fill buffer. The stabilized sump soils will be covered with additional clean import fill and a base rock layer and asphalt pavement to minimize surface water infiltration. Not reported DES - PIER S/AREA 4: The Remedial Design and Specifications for site Remediation were completed. The site will be developed into a marine container terminal. Not reported The Remedial Action has been completed at this 176 acres. The remediation consisted of excavating contaminated soil from 33 former sumps (around 466,500 cubic yards), treatment of contaminated soil, placement and covering the site with around 17 feet of clean imported fill material to raise the surface level above sea level. The main contaminants at the site are Petroleum Hydrocarbons, Polycyclic Aromatic Hydrocarbons and some Chlorinated Solvents. Not reported On 9/24/1997 DTSC and the City of Long Beach Harbor Department executed a Voluntary Cleanup Agreement calling for DTSC oversight of Remedial Investigation/Feasibility Study - Risk Assessment and remedial activities for the site. Not reported The Remedial Investigation was conducted in five phases which include: an environmental assessment, an air and groundwater quality assessment, a quarterly groundwater monitoring program, a subsurface soil investigation, and a sump confirmation study indicating the presence of 32 sumps. Based on the RI findings and the baseline human health risk assessment, five remedial alternatives have been developed to address both soil and the shallow groundwater. Based on a screening analysis, it was determined that alternative 4: Excavation and On-site stabilization is the preferred alternative. Not reported		

**US NAVAL BASE TERMINAL ISLAND(THE MOLE)
TERMINAL ISLAND, LONG BEACH
LONG BEACH, CA**

**SWF/LF S102360871
N/A**

LF:

Facility ID: 19-AK-5011
Operator: US Dept Of Navy-Long Beach
Operator Phone: (562) 980-2720
Operator Addr: Terminal Beach
Long Beach, CA 90822
Owner: US Dept Of Navy-Long Beach
Owner Address: Not reported

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
US NAVAL BASE TERMINAL ISLAND(THE MOLE) (Continued)		S102360871
Terminal Beach Long Beach, CA 90822		
Owner Telephone: (562) 980-2720		
Activity: Solid Waste Disposal Site		
Operator's Status: Not reported		
Regulation Status: Not reported		
Region: STATE		
Lat/Long: 34 / -118		
Permit Date: Not reported		
Accepted Waste: Industrial,Inert,Other hazardous		
Restrictions:		
Status :	Not reported	
Swisnumber :	Not reported	
Site Type :	Not reported	
Aka :	Not reported	
Type Of Waste :	Not reported	
Disposal Area :	Not reported	
SWFP Date :	Not reported	
WDR Number :	Not reported	
Dates Of Operation :	Not reported	
Closure Approved :	Not reported	
Date Of Field Units :	Not reported	
Surface Condition :	Not reported	
Landfill Gas :	Not reported	
Leachate :	Not reported	
Emergency Response :	Not reported	
Other Recommendation :	Not reported	
Reassess Site :	Not reported	
Priority For Site Assessment :	Not reported	
Lea Date :	Not reported	
Explanation:	Not Reported	
No Further Action:	Not Reported	
Permitted Throughput with Units:	Not reported	
Permitted Throughput with Units:	Not reported	
Permitted Throughput with Units:	Not reported	
Actual Throughput with Units:	Not reported	
Actual Capacity with Units:	Not reported	
Permitted Capacity with Units:	Not reported	
Remaining Capacity with Units:	Not reported	
Permitted Total Acreage:	Not reported	
Inspection Frequency:	None	
Landuse Name:	Residential,Military,Industrial,Commercial	
GIS Source:	Place	
Permit Status:	Not reported	
Category:	Disposal	
Unit Number:	01	
Last Waste Tire Inspection Count :	Not reported	
Last Waste Tire Inspection Date:	Not reported	
Original Waste Tire Count:	Not reported	
Original Waste Tire Count Date:	Not reported	
Closure Date:	/ /	
Closure Type:	Not reported	
Disposal Acreage:	66	
Remaining Capacity:	Not reported	
Year Opened:	Not reported	
Year Closed:	Not reported	
Fill Area:	Not reported	

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
US NAVAL BASE TERMINAL ISLAND(THE MOLE) (Continued)		S102360871
Type Of Refuse: Not reported		
Avg Depth Of Fill: Not reported		
Addtl Expansion Area: Not reported		
Site Description: Not Reported		
LA COUNTY FLOOD CONTROL DUMP	SWF/LF	S106198551
SW WESTMINSTER AVE AND HWY 1 (PCH)		N/A
LONG BEACH, CA		
LF:		
Facility ID: 19-AK-5008		
Operator: Not reported		
Operator Phone: Not reported		
Operator Addr:		
Owner: Vickers II, Ms. / Pacific Coast Homes		
Owner Address: P O Box 285 Houston, TX 77001		
1999 Avenue of the Stars		
Los Angeles, CA 90067		
Owner Telephone: Not reported		
Activity: Solid Waste Disposal Site		
Operator's Status: Not reported		
Regulation Status: Not reported		
Region: STATE		
Lat/Long: 34 / -118		
Permit Date: Not reported		
Accepted Waste:		
Restrictions:		
Status : Not reported		
Swisnumber : Not reported		
Site Type : Not reported		
Aka : Not reported		
Type Of Waste : Not reported		
Disposal Area : Not reported		
SWFP Date : Not reported		
WDR Number : Not reported		
Dates Of Operation : Not reported		
Closure Approved : Not reported		
Date Of Field Units : Not reported		
Surface Condition : Not reported		
Landfill Gas : Not reported		
Leachate : Not reported		
Emergency Response : Not reported		
Other Recommendation : Not reported		
Reassess Site : Not reported		
Priority For Site Assessment : Not reported		
Lea Date : Not reported		
Explanation: Not Reported		
No Further Action: Not Reported		
Permitted Throughput with Units: Not reported		
Permitted Throughput with Units: Not reported		
Permitted Throughput with Units: Not reported		
Actual Throughput with Units: Not reported		
Actual Capacity with Units: Not reported		
Permitted Capacity with Units: Not reported		
Remaining Capacity with Units: Not reported		
Permitted Total Acreage: Not reported		
Inspection Frequency: Annual		
Landuse Name: Not reported		

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
LA COUNTY FLOOD CONTROL DUMP (Continued)		S106198551
GIS Source: Map Permit Status: Not reported Category: Disposal Unit Number: 01 Last Waste Tire Inspection Count : Not reported Last Waste Tire Inspection Date: Not reported Original Waste Tire Count: Not reported Original Waste Tire Count Date: Not reported Closure Date: 12/31/62 Closure Type: Estimated Disposal Acreage: Not reported Remaining Capacity: Not reported Year Opened: Not reported Year Closed: Not reported Fill Area: Not reported Type Of Refuse: Not reported Avg Depth Of Fill: Not reported Addtl Expansion Area: Not reported Site Description: Not Reported		
BERTH 70, LONG BEACH HARBOUR LOS ANGELES COUNTY, CA	CHMIRS HAZNET	S105637568 N/A
CHMIRS: OES Control Number: 194 Chemical Name: crude Extent of Release: Not reported Property Use: Not reported Incident Date: Not reported Date Completed: Not reported Time Completed : Not reported Agency Id Number : Not reported Agency Incident Number : Not reported OES Incident Number : 194 Time Notified : Not reported Surrounding Area : Not reported Estimated Temperature : Not reported Property Management : Not reported More Than Two Substances Involved? : Not reported Special Studies 1 : Not reported Special Studies 2 : Not reported Special Studies 3 : Not reported Special Studies 4 : Not reported Special Studies 5 : Not reported Special Studies 6 : Not reported Responding Agency Personel # Of Injuries : NO Responding Agency Personel # Of Fatalities : NO Resp Agncy Personel # Of Decontaminated : Not reported Others Number Of Decontaminated : Not reported Others Number Of Injuries : Not reported Others Number Of Fatalities : Not reported Vehicle Make/year : Not reported Vehicle License Number : Not reported Vehicle State : Not reported Vehicle Id Number : Not reported CA/DOT/PUC/ICC Number : Not reported Company Name : Not reported		

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
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(Continued)

S105637568

Reporting Officer Name/ID :	Not reported
Report Date :	Not reported
Comments :	Not reported
Facility Telephone Number :	Not reported
Waterway Involved :	NO
Waterway :	long beach harbour
Spill Site :	OTHER
Cleanup By :	not appropriate
Containment :	YES
What Happened :	flare from stacks caused release of soot
Type :	PETROLEUM
Other :	Not reported
Chemical 1 :	Not Reported
Chemical 2 :	Not Reported
Chemical 3 :	Not Reported
Date/Time :	011394 0950
Evacuations :	NO

HAZNET:

Gepaid:	CAC002552763
TSD EPA ID:	Not reported
Gen County:	Contra Costa
Tsd County:	Los Angeles
Tons:	0.67
Waste Category:	Other organic solids
Disposal Method:	Transfer Station
Contact:	RANDALL ESCH
Telephone:	(510) 523-8900
Mailing Address:	2900 MAIN ST ALAMEDA, CA 94501
County	Not reported
Gepaid:	CAC002552763
TSD EPA ID:	Not reported
Gen County:	Contra Costa
Tsd County:	Solano
Tons:	0.84
Waste Category:	Asbestos-containing waste
Disposal Method:	Disposal, Land Fill
Contact:	RANDALL ESCH
Telephone:	(510) 523-8900
Mailing Address:	2900 MAIN ST ALAMEDA, CA 94501
County	Not reported

**BERTH 30 LONG BEACH HARBOUR
LOS ANGELES COUNTY, CA**

CHMIRS	S105641187
HAZNET	N/A

CHMIRS:

OES Control Number:	7524
Chemical Name:	beef tallow
Extent of Release:	Not reported
Property Use:	Not reported
Incident Date:	Not reported
Date Completed:	Not reported
Time Completed :	Not reported
Agency Id Number :	Not reported
Agency Incident Number :	Not reported

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
(Continued)		S105641187
OES Incident Number :	7524	
Time Notified :	Not reported	
Surrounding Area :	Not reported	
Estimated Temperature :	Not reported	
Property Management :	Not reported	
More Than Two Substances Involved? :	Not reported	
Special Studies 1 :	Not reported	
Special Studies 2 :	Not reported	
Special Studies 3 :	Not reported	
Special Studies 4 :	Not reported	
Special Studies 5 :	Not reported	
Special Studies 6 :	Not reported	
Responding Agency Personel # Of Injuries :	NO	
Responding Agency Personel # Of Fatalities :	NO	
Resp Agncy Personel # Of Decontaminated :	Not reported	
Others Number Of Decontaminated :	Not reported	
Others Number Of Injuries :	Not reported	
Others Number Of Fatalities :	Not reported	
Vehicle Make/year :	Not reported	
Vehicle License Number :	Not reported	
Vehicle State :	Not reported	
Vehicle Id Number :	Not reported	
CA/DOT/PUC/ICC Number :	Not reported	
Company Name :	Not reported	
Reporting Officer Name/ID :	Not reported	
Report Date :	Not reported	
Comments :	Not reported	
Facility Telephone Number :	Not reported	
Waterway Involved :	NO	
Waterway :	long beach harbour	
Spill Site :	IND PLT	
Cleanup By :	private contractor	
Containment :	YES	
What Happened :	unknown cause - source is railway tank car	
Type :	Not reported	
Other :	Not reported	
Chemical 1 :	Not Reported	
Chemical 2 :	Not Reported	
Chemical 3 :	Not Reported	
Date/Time :	3/25/95 0230	
Evacuations :	NO	
HAZNET:		
Gepaid:	CAC002552032	
TSD EPA ID:	Not reported	
Gen County:	Los Angeles	
Tsd County:	Los Angeles	
Tons:	34.60	
Waste Category:	Unspecified oil-containing waste	
Disposal Method:	Treatment, Tank	
Contact:	ROMAN VAYNERMAN	
Telephone:	(562) 901-9402	
Mailing Address:	100 W BROADWAY	
	LONG BEACH, CA 90802	
County	Not reported	

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
FLORENCE AVE / TELEGRAPH RD WHITTIER LOS ANGELES COUNTY, CA	CHMIRS LUST	S105630661 N/A
CHMIRS:		
OES Control Number:	28166	
Chemical Name:	CHLORINE 1/2 OF IT RELEASED	
Extent of Release:	Not reported	
Property Use:	Not reported	
Incident Date:	Not reported	
Date Completed:	Not reported	
Time Completed :	Not reported	
Agency Id Number :	Not reported	
Agency Incident Number :	Not reported	
OES Incident Number :	28166	
Time Notified :	Not reported	
Surrounding Area :	Not reported	
Estimated Temperature :	Not reported	
Property Management :	Not reported	
More Than Two Substances Involved? :	Not reported	
Special Studies 1 :	Not reported	
Special Studies 2 :	Not reported	
Special Studies 3 :	Not reported	
Special Studies 4 :	Not reported	
Special Studies 5 :	Not reported	
Special Studies 6 :	Not reported	
Responding Agency Personel # Of Injuries :	Not reported	
Responding Agency Personel # Of Fatalities :	Not reported	
Resp Agncy Personel # Of Decontaminated :	Not reported	
Others Number Of Decontaminated :	Not reported	
Others Number Of Injuries :	Not reported	
Others Number Of Fatalities :	Not reported	
Vehicle Make/year :	Not reported	
Vehicle License Number :	Not reported	
Vehicle State :	Not reported	
Vehicle Id Number :	Not reported	
CA/DOT/PUC/ICC Number :	Not reported	
Company Name :	Not reported	
Reporting Officer Name/ID :	Not reported	
Report Date :	Not reported	
Comments :	Not reported	
Facility Telephone Number :	Not reported	
Waterway Involved :	Not reported	
Waterway :	NONE	
Spill Site :	Not reported	
Cleanup By :	AIR RELEASE	
Containment :	NO	
What Happened :	DAMAGED VALVE ON CYLINDER	
Type :	CHEMICAL	
Other :	Not reported	
Chemical 1 :	Not Reported	
Chemical 2 :	Not Reported	
Chemical 3 :	Not Reported	
Date/Time :	6/1/93/13:59	
Evacuations :	Not reported	
LUST Region 4:		
Report Date:	04/28/1999	
Lead Agency:	Regional Board	

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
(Continued)		S105630661
Local Agency:	19000	
Substance:	Regular Gasoline	
Case Type:	Soil	
Status:	Pollution Characterization	
Region:	4	
Staff:	SLC	
Date Case Last Changed on Database:	7/15/02	
Date Leak Record Entered:	Not reported	
Historical Max MTBE Date:	10/9/02	
GW Qualifier:	=	
Soil Qualifier:	Not reported	
Hist Max MTBE Conc in Groundwater:	0.67	
Hist Max MTBE Conc in Soil :	1.4	
County:	Los Angeles	
Organization :	Not reported	
Regional Board:	4	
Owner Contact:	Not reported	
Responsible Party:	RICHARD E. WILLIAMS	
RP Address:	376 S. VALENCIA AVE.	
Significant Interim Remedial Action Taken:	Not reported	
Program :	SLIC	
Lat / Long :	34 / -118	
Local Agency Staff:	Not reported	
Summary :	TANKS REMOVED IN 1969; 10/31/00 SITE ASSESSMENT WORK PLAN; FORMERLY SITE CALLED UNION OIL AT 7201 ALAMEDA ST	
Hydrologic Basin # :	SAN FERNANDO VALLEY	
Beneficial Use :	Not reported	
Priority :	Not reported	
Cleanup Fund Id :	Not reported	
Suspended :	Not reported	
Local Case No :	Not reported	
Substance Quantity :	0	
Abatement Method Used at the Site:	Not reported	
Operator :	Not reported	
Water System :	Not reported	
Well Name :	Not reported	
Approx. Dist To Production Well (ft) :	1400.532066	
Assigned Name :	Not reported	
Source of Cleanup Funding:	Not reported	
Date the Leak was Discovered:	03/23/1999	
How the Leak was Discovered:	Subsurface Monitoring	
How the Leak was Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	UNK	
Date The Leak was Stopped:	Not reported	
Date Confirmation Leak Began:	Not reported	
Preliminary Site Assessment Workplan Submitted:	Not reported	
Preliminary Site Assessment Began:	12/14/00	
Pollution Characterization Began:	3/15/01	
Remediation Plan Submitted:	Not reported	
Remedial Action Underway:	Not reported	
Post Remedial Action Monitoring Began:	Not reported	
Date the Case was Closed:	Not reported	
Enforcement Action Date:	Not reported	
Date Leak First Reported:	04/28/1999	
Enforcement Type:	Not reported	

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
(Continued)		S105630661
Global ID : Cross Street: ALAMEDA	T0603700405	
PORT OF LONG BEACH ANAHEIM ST BETW FARRAGUT / I STREET WILMINGTON, CA 90813	HAZNET	S103678151 N/A
HAZNET:		
Gepaid:	CAL000187949	
TSD EPA ID:	CAD008252405	
Gen County:	Los Angeles	
Tsd County:	Los Angeles	
Tons:	.1251	
Waste Category:	Unspecified organic liquid mixture	
Disposal Method:	Not reported	
Contact:	PORT OF LONG BEACH	
Telephone:	(562) 437-0041	
Mailing Address:	925 HARBOR PLAZA	
	LONG BEACH, CA 90802 - 6411	
County	Los Angeles	
Gepaid:	CAL000187949	
TSD EPA ID:	CAD008252405	
Gen County:	Los Angeles	
Tsd County:	Los Angeles	
Tons:	.1251	
Waste Category:	Unspecified organic liquid mixture	
Disposal Method:	Recycler	
Contact:	PORT OF LONG BEACH	
Telephone:	(562) 437-0041	
Mailing Address:	925 HARBOR PLAZA	
	LONG BEACH, CA 90802 - 6411	
County	Los Angeles	
Gepaid:	CAL000187949	
TSD EPA ID:	CAD008252405	
Gen County:	Los Angeles	
Tsd County:	Los Angeles	
Tons:	.8000	
Waste Category:	Other organic solids	
Disposal Method:	Not reported	
Contact:	PORT OF LONG BEACH	
Telephone:	(562) 437-0041	
Mailing Address:	925 HARBOR PLAZA	
	LONG BEACH, CA 90802 - 6411	
County	Los Angeles	
Gepaid:	CAL000187949	
TSD EPA ID:	CAD050806850	
Gen County:	Los Angeles	
Tsd County:	Los Angeles	
Tons:	.1250	
Waste Category:	Other organic solids	
Disposal Method:	Not reported	
Contact:	PORT OF LONG BEACH	
Telephone:	(562) 437-0041	
Mailing Address:	925 HARBOR PLAZA	
	LONG BEACH, CA 90802 - 6411	
County	Los Angeles	

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
PORT OF LONG BEACH (Continued)		S103678151
Gepaid:	CAL000187949	
TSD EPA ID:	CAD008252405	
Gen County:	Los Angeles	
Tsd County:	Los Angeles	
Tons:	.8000	
Waste Category:	Other organic solids	
Disposal Method:	Recycler	
Contact:	PORT OF LONG BEACH	
Telephone:	(562) 437-0041	
Mailing Address:	925 HARBOR PLAZA	
	LONG BEACH, CA 90802 - 6411	
County	Los Angeles	

The CA HAZNET database contains 11 additional records for this site.
Please contact your EDR Account Executive for more information.

EPA Waste Codes Addendum

Code	Description
D001	IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
D002	A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.
D003	A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.
D004	ARSENIC
D005	BARIUM
D006	CADMIUM
D007	CHROMIUM
D008	LEAD
D009	MERCURY
D011	SILVER
D013	LINDANE
D014	METHOXYCHLOR
D016	2,4-D
D018	BENZENE
D020	CHLORDANE
D027	1,4-DICHLOROBENZENE
D035	METHYL ETHYL KETONE
D039	TETRACHLOROETHYLENE

EPA Waste Codes Addendum

Code	Description
F001	THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE, AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
F002	THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
F003	THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
F005	THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
F006	WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.
F007	SPENT CYANIDE PLATING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS
F008	PLATING BATH RESIDUES FROM THE BOTTOM OF PLATING BATHS FROM ELECTROPLATING OPERATIONS WHERE CYANIDES ARE USED IN THE PROCESS.
F009	SPENT STRIPPING AND CLEANING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS WHERE CYANIDES ARE USED IN THE PROCESS.
P028	BENZENE, (CHLOROMETHYL)-
P028	BENZYL CHLORIDE

EPA Waste Codes Addendum

Code	Description
U122	FORMALDEHYDE
U223	BENZENE, 1,3-DIISOCYANATOMETHYL- (R,T)
U223	TOLUENE DIISOCYANATE (R,T)

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Elapsed ASTM days: Provides confirmation that this EDR report meets or exceeds the 90-day updating requirement of the ASTM standard.

FEDERAL ASTM STANDARD RECORDS

NPL: National Priority List

Source: EPA

Telephone: N/A

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 04/27/04

Date Made Active at EDR: 05/21/04

Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 05/04/04

Elapsed ASTM days: 17

Date of Last EDR Contact: 05/04/04

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)

Telephone: 202-564-7333

EPA Region 1

Telephone 617-918-1143

EPA Region 6

Telephone: 214-655-6659

EPA Region 3

Telephone 215-814-5418

EPA Region 8

Telephone: 303-312-6774

EPA Region 4

Telephone 404-562-8033

Proposed NPL: Proposed National Priority List Sites

Source: EPA

Telephone: N/A

Date of Government Version: 04/27/04

Date Made Active at EDR: 05/21/04

Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 05/04/04

Elapsed ASTM days: 17

Date of Last EDR Contact: 05/04/04

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

Source: EPA

Telephone: 703-413-0223

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 02/26/04

Date Made Active at EDR: 04/02/04

Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 03/22/04

Elapsed ASTM days: 11

Date of Last EDR Contact: 03/22/04

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Source: EPA

Telephone: 703-413-0223

As of February 1995, CERCLIS sites designated "No Further Remedial Action Planned" (NFRAP) have been removed from CERCLIS. NFRAP sites may be sites where, following an initial investigation, no contamination was found, contamination was removed quickly without the need for the site to be placed on the NPL, or the contamination was not serious enough to require Federal Superfund action or NPL consideration. EPA has removed approximately 25,000 NFRAP sites to lift the unintended barriers to the redevelopment of these properties and has archived them as historical records so EPA does not needlessly repeat the investigations in the future. This policy change is part of the EPA's Brownfields Redevelopment Program to help cities, states, private investors and affected citizens to promote economic redevelopment of unproductive urban sites.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/26/04
Date Made Active at EDR: 04/02/04
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 03/22/04
Elapsed ASTM days: 11
Date of Last EDR Contact: 03/22/04

CORRACTS: Corrective Action Report

Source: EPA

Telephone: 800-424-9346

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/15/04
Date Made Active at EDR: 04/15/04
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 03/25/04
Elapsed ASTM days: 21
Date of Last EDR Contact: 03/08/04

RCRIS: Resource Conservation and Recovery Information System

Source: EPA

Telephone: 800-424-9346

Resource Conservation and Recovery Information System. RCRIS includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs): generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs): generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators (LQGs): generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator off-site to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 04/13/04
Date Made Active at EDR: 05/13/04
Database Release Frequency: Varies

Date of Data Arrival at EDR: 04/20/04
Elapsed ASTM days: 23
Date of Last EDR Contact: 04/20/04

ERNS: Emergency Response Notification System

Source: National Response Center, United States Coast Guard

Telephone: 202-260-2342

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/03
Date Made Active at EDR: 03/12/04
Database Release Frequency: Annually

Date of Data Arrival at EDR: 01/26/04
Elapsed ASTM days: 46
Date of Last EDR Contact: 04/26/04

FEDERAL ASTM SUPPLEMENTAL RECORDS

BRS: Biennial Reporting System

Source: EPA/NTIS

Telephone: 800-424-9346

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/01/01
Database Release Frequency: Biennially

Date of Last EDR Contact: 03/16/04
Date of Next Scheduled EDR Contact: 06/14/04

CONSENT: Superfund (CERCLA) Consent Decrees

Source: EPA Regional Offices

Telephone: Varies

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: N/A
Database Release Frequency: Varies

Date of Last EDR Contact: N/A
Date of Next Scheduled EDR Contact: N/A

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ROD: Records Of Decision

Source: EPA

Telephone: 703-416-0223

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 01/09/04

Database Release Frequency: Annually

Date of Last EDR Contact: 04/05/04

Date of Next Scheduled EDR Contact: 07/05/04

DELISTED NPL: National Priority List Deletions

Source: EPA

Telephone: N/A

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 04/27/04

Database Release Frequency: Quarterly

Date of Last EDR Contact: 05/04/04

Date of Next Scheduled EDR Contact: 08/02/04

FINDS: Facility Index System/Facility Identification Initiative Program Summary Report

Source: EPA

Telephone: N/A

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 04/08/04

Database Release Frequency: Quarterly

Date of Last EDR Contact: 04/05/04

Date of Next Scheduled EDR Contact: 07/05/04

HMIRS: Hazardous Materials Information Reporting System

Source: U.S. Department of Transportation

Telephone: 202-366-4555

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 02/17/04

Database Release Frequency: Annually

Date of Last EDR Contact: 04/20/04

Date of Next Scheduled EDR Contact: 07/19/04

MLTS: Material Licensing Tracking System

Source: Nuclear Regulatory Commission

Telephone: 301-415-7169

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 01/15/04

Database Release Frequency: Quarterly

Date of Last EDR Contact: 04/05/04

Date of Next Scheduled EDR Contact: 07/05/04

MINES: Mines Master Index File

Source: Department of Labor, Mine Safety and Health Administration

Telephone: 303-231-5959

Date of Government Version: 03/05/04

Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 03/30/04

Date of Next Scheduled EDR Contact: 06/28/04

NPL LIENS: Federal Superfund Liens

Source: EPA

Telephone: 202-564-4267

Federal Superfund Liens. Under the authority granted the USEPA by the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner receives notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/15/91
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 03/12/04
Date of Next Scheduled EDR Contact: 05/24/04

PADS: PCB Activity Database System

Source: EPA
Telephone: 202-564-3887

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 12/30/03
Database Release Frequency: Annually

Date of Last EDR Contact: 05/12/04
Date of Next Scheduled EDR Contact: 08/09/04

DOD: Department of Defense Sites

Source: USGS
Telephone: 703-692-8801

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 10/01/03
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 02/02/04
Date of Next Scheduled EDR Contact: 05/10/04

STORMWATER: Storm Water General Permits

Source: Environmental Protection Agency
Telephone: 202 564-0746

A listing of all facilities with Storm Water General Permits.

Date of Government Version: N/A
Database Release Frequency: Quarterly

Date of Last EDR Contact: N/A
Date of Next Scheduled EDR Contact: N/A

INDIAN RESERV: Indian Reservations

Source: USGS
Telephone: 202-208-3710

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 10/01/03
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 02/02/04
Date of Next Scheduled EDR Contact: 05/10/04

US BROWNFIELDS: A Listing of Brownfields Sites

Source: Environmental Protection Agency
Telephone: 202-566-2777

Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become BCRLF cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: 04/14/04
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 03/15/04
Date of Next Scheduled EDR Contact: 06/14/04

RMP: Risk Management Plans

Source: Environmental Protection Agency
Telephone: 202-564-8600

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: N/A
Database Release Frequency: N/A

Date of Last EDR Contact: N/A
Date of Next Scheduled EDR Contact: N/A

FUDS: Formerly Used Defense Sites

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 10/01/03
Database Release Frequency: Varies

Date of Last EDR Contact: 04/26/04
Date of Next Scheduled EDR Contact: 07/05/04

RAATS: RCRA Administrative Action Tracking System

Source: EPA
Telephone: 202-564-4104

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/95
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 03/08/04
Date of Next Scheduled EDR Contact: 06/07/04

TRIS: Toxic Chemical Release Inventory System

Source: EPA
Telephone: 202-566-0250

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/01
Database Release Frequency: Annually

Date of Last EDR Contact: 03/23/04
Date of Next Scheduled EDR Contact: 06/21/04

TSCA: Toxic Substances Control Act

Source: EPA
Telephone: 202-260-5521

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/02
Database Release Frequency: Every 4 Years

Date of Last EDR Contact: 03/05/04
Date of Next Scheduled EDR Contact: 06/07/04

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

Source: EPA
Telephone: 202-564-2501

Date of Government Version: 04/13/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/22/04
Date of Next Scheduled EDR Contact: 06/21/04

SSTS: Section 7 Tracking Systems

Source: EPA
Telephone: 202-564-5008

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/01
Database Release Frequency: Annually

Date of Last EDR Contact: 04/19/04
Date of Next Scheduled EDR Contact: 07/19/04

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

Source: EPA/Office of Prevention, Pesticides and Toxic Substances

Telephone: 202-564-2501

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/13/04

Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/22/04

Date of Next Scheduled EDR Contact: 06/21/04

STATE OF CALIFORNIA ASTM STANDARD RECORDS

AWP: Annual Workplan Sites

Source: California Environmental Protection Agency

Telephone: 916-323-3400

Known Hazardous Waste Sites. California DTSC's Annual Workplan (AWP), formerly BEP, identifies known hazardous substance sites targeted for cleanup.

Date of Government Version: 03/02/04

Date Made Active at EDR: 03/24/04

Database Release Frequency: Annually

Date of Data Arrival at EDR: 03/03/04

Elapsed ASTM days: 21

Date of Last EDR Contact: 03/03/04

CAL-SITES: Calsites Database

Source: Department of Toxic Substance Control

Telephone: 916-323-3400

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database.

Date of Government Version: 03/02/04

Date Made Active at EDR: 03/24/04

Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 03/03/04

Elapsed ASTM days: 21

Date of Last EDR Contact: 03/03/04

CHMIRS: California Hazardous Material Incident Report System

Source: Office of Emergency Services

Telephone: 916-845-8400

California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 12/31/02

Date Made Active at EDR: 08/07/03

Database Release Frequency: Varies

Date of Data Arrival at EDR: 07/11/03

Elapsed ASTM days: 27

Date of Last EDR Contact: 02/23/04

CORTESE: "Cortese" Hazardous Waste & Substances Sites List

Source: CAL EPA/Office of Emergency Information

Telephone: 916-323-9100

The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

Date of Government Version: 04/01/01

Date Made Active at EDR: 07/26/01

Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 05/29/01

Elapsed ASTM days: 58

Date of Last EDR Contact: 04/28/04

NOTIFY 65: Proposition 65 Records

Source: State Water Resources Control Board

Telephone: 916-445-3846

Proposition 65 Notification Records. NOTIFY 65 contains facility notifications about any release which could impact drinking water and thereby expose the public to a potential health risk.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/21/93
Date Made Active at EDR: 11/19/93
Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 11/01/93
Elapsed ASTM days: 18
Date of Last EDR Contact: 04/19/04

TOXIC PITS: Toxic Pits Cleanup Act Sites

Source: State Water Resources Control Board
Telephone: 916-227-4364

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/95
Date Made Active at EDR: 09/26/95
Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 08/30/95
Elapsed ASTM days: 27
Date of Last EDR Contact: 05/03/04

SWF/LF (SWIS): Solid Waste Information System

Source: Integrated Waste Management Board
Telephone: 916-341-6320

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inventory of solid waste disposal facilities or landfills. These may be active or inactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 03/15/04
Date Made Active at EDR: 04/14/04
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 03/17/04
Elapsed ASTM days: 28
Date of Last EDR Contact: 03/16/04

WMUDS/SWAT: Waste Management Unit Database

Source: State Water Resources Control Board
Telephone: 916-227-4448

Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/00
Date Made Active at EDR: 05/10/00
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 04/10/00
Elapsed ASTM days: 30
Date of Last EDR Contact: 03/11/04

LUST: Leaking Underground Storage Tank Information System

Source: State Water Resources Control Board
Telephone: 916-341-5740

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 04/13/04
Date Made Active at EDR: 04/29/04
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 04/13/04
Elapsed ASTM days: 16
Date of Last EDR Contact: 04/13/04

CA BOND EXP. PLAN: Bond Expenditure Plan

Source: Department of Health Services
Telephone: 916-255-2118

Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/89
Date Made Active at EDR: 08/02/94
Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 07/27/94
Elapsed ASTM days: 6
Date of Last EDR Contact: 05/31/94

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CA UST:

UST: Active UST Facilities

Source: SWRCB

Telephone: 916-341-5700

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 04/13/04

Date Made Active at EDR: 04/29/04

Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 04/13/04

Elapsed ASTM days: 16

Date of Last EDR Contact: 04/13/04

VCP: Voluntary Cleanup Program Properties

Source: Department of Toxic Substances Control

Telephone: 916-323-3400

Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 03/02/04

Date Made Active at EDR: 03/24/04

Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 03/03/04

Elapsed ASTM days: 21

Date of Last EDR Contact: 03/03/04

INDIAN LUST: Leaking Underground Storage Tanks on Indian Land

Source: Environmental Protection Agency

Telephone: 415-972-3372

LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 02/09/04

Date Made Active at EDR: 03/01/04

Database Release Frequency: Varies

Date of Data Arrival at EDR: 02/10/04

Elapsed ASTM days: 20

Date of Last EDR Contact: 01/27/04

INDIAN LUST: Leaking Underground Storage Tanks on Indian Land

Source: EPA Region 10

Telephone: 206-553-2857

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 03/11/04

Date Made Active at EDR: 03/31/04

Database Release Frequency: Varies

Date of Data Arrival at EDR: 03/12/04

Elapsed ASTM days: 19

Date of Last EDR Contact: 01/27/04

INDIAN UST: Underground Storage Tanks on Indian Land

Source: EPA Region 9

Telephone: 415-972-3368

Date of Government Version: 02/25/04

Date Made Active at EDR: 03/24/04

Database Release Frequency: Varies

Date of Data Arrival at EDR: 03/01/04

Elapsed ASTM days: 23

Date of Last EDR Contact: 02/23/04

CA FID UST: Facility Inventory Database

Source: California Environmental Protection Agency

Telephone: 916-445-6532

The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/94

Date Made Active at EDR: 09/29/95

Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 09/05/95

Elapsed ASTM days: 24

Date of Last EDR Contact: 12/28/98

HIST UST: Hazardous Substance Storage Container Database

Source: State Water Resources Control Board

Telephone: 916-341-5700

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/15/90
Date Made Active at EDR: 02/12/91
Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 01/25/91
Elapsed ASTM days: 18
Date of Last EDR Contact: 07/26/01

STATE OF CALIFORNIA ASTM SUPPLEMENTAL RECORDS

AST: Aboveground Petroleum Storage Tank Facilities

Source: State Water Resources Control Board
Telephone: 916-341-5712
Registered Aboveground Storage Tanks.

Date of Government Version: 12/01/03
Database Release Frequency: Quarterly

Date of Last EDR Contact: 05/03/04
Date of Next Scheduled EDR Contact: 08/02/04

CLEANERS: Cleaner Facilities

Source: Department of Toxic Substance Control
Telephone: 916-225-0873

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 04/21/04
Database Release Frequency: Annually

Date of Last EDR Contact: 04/05/04
Date of Next Scheduled EDR Contact: 07/05/04

CA WDS: Waste Discharge System

Source: State Water Resources Control Board
Telephone: 916-341-5227
Sites which have been issued waste discharge requirements.

Date of Government Version: 04/05/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/22/04
Date of Next Scheduled EDR Contact: 06/21/04

DEED: List of Deed Restrictions

Source: Department of Toxic Substances Control
Telephone: 916-323-3400

The use of recorded land use restrictions is one of the methods the DTSC uses to protect the public from unsafe exposures to hazardous substances and wastes.

Date of Government Version: 04/06/04
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 04/06/04
Date of Next Scheduled EDR Contact: 07/05/04

NFA: No Further Action Determination

Source: Department of Toxic Substances Control
Telephone: 916-323-3400

This category contains properties at which DTSC has made a clear determination that the property does not pose a problem to the environment or to public health.

Date of Government Version: 03/02/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/03/04
Date of Next Scheduled EDR Contact: 05/31/04

EMI: Emissions Inventory Data

Source: California Air Resources Board
Telephone: 916-322-2990

Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/02
Database Release Frequency: Varies

Date of Last EDR Contact: 04/20/04
Date of Next Scheduled EDR Contact: 07/19/04

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

REF: Unconfirmed Properties Referred to Another Agency

Source: Department of Toxic Substances Control

Telephone: 916-323-3400

This category contains properties where contamination has not been confirmed and which were determined as not requiring direct DTSC Site Mitigation Program action or oversight. Accordingly, these sites have been referred to another state or local regulatory agency.

Date of Government Version: 03/02/04

Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/03/04

Date of Next Scheduled EDR Contact: 05/31/04

SCH: School Property Evaluation Program

Source: Department of Toxic Substances Control

Telephone: 916-323-3400

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 03/02/04

Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/03/04

Date of Next Scheduled EDR Contact: 05/31/04

NFE: Properties Needing Further Evaluation

Source: Department of Toxic Substances Control

Telephone: 916-323-3400

This category contains properties that are suspected of being contaminated. These are unconfirmed contaminated properties that need to be assessed using the PEA process. PEA in Progress indicates properties where DTSC is currently conducting a PEA. PEA Required indicates properties where DTSC has determined a PEA is required, but not currently underway.

Date of Government Version: 03/02/04

Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/03/04

Date of Next Scheduled EDR Contact: 05/31/04

HAZNET: Hazardous Waste Information System

Source: California Environmental Protection Agency

Telephone: 916-255-1136

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method.

Date of Government Version: 12/31/02

Database Release Frequency: Annually

Date of Last EDR Contact: 05/10/04

Date of Next Scheduled EDR Contact: 08/09/04

LOCAL RECORDS

ALAMEDA COUNTY:

Local Oversight Program Listing of UGT Cleanup Sites

Source: Alameda County Environmental Health Services

Telephone: 510-567-6700

Date of Government Version: 12/09/03

Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 04/26/04

Date of Next Scheduled EDR Contact: 07/26/04

Underground Tanks

Source: Alameda County Environmental Health Services

Telephone: 510-567-6700

Date of Government Version: 12/09/03

Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 04/26/04

Date of Next Scheduled EDR Contact: 07/26/04

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CONTRA COSTA COUNTY:

Site List

Source: Contra Costa Health Services Department

Telephone: 925-646-2286

List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 03/05/04

Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 03/01/04

Date of Next Scheduled EDR Contact: 05/31/04

FRESNO COUNTY:

CUPA Resources List

Source: Dept. of Community Health

Telephone: 559-445-3271

Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 01/14/04

Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 05/10/04

Date of Next Scheduled EDR Contact: 08/09/04

KERN COUNTY:

Underground Storage Tank Sites & Tank Listing

Source: Kern County Environment Health Services Department

Telephone: 661-862-8700

Kern County Sites and Tanks Listing.

Date of Government Version: 01/27/04

Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/08/04

Date of Next Scheduled EDR Contact: 06/07/04

LOS ANGELES COUNTY:

List of Solid Waste Facilities

Source: La County Department of Public Works

Telephone: 818-458-5185

Date of Government Version: 06/03/03

Database Release Frequency: Varies

Date of Last EDR Contact: 02/20/04

Date of Next Scheduled EDR Contact: 05/17/04

City of El Segundo Underground Storage Tank

Source: City of El Segundo Fire Department

Telephone: 310-524-2236

Date of Government Version: 03/01/04

Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 02/16/04

Date of Next Scheduled EDR Contact: 05/17/04

City of Long Beach Underground Storage Tank

Source: City of Long Beach Fire Department

Telephone: 562-570-2543

Date of Government Version: 03/28/03

Database Release Frequency: Annually

Date of Last EDR Contact: 02/23/04

Date of Next Scheduled EDR Contact: 05/24/04

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

City of Torrance Underground Storage Tank

Source: City of Torrance Fire Department

Telephone: 310-618-2973

Date of Government Version: 02/17/04

Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 02/16/04

Date of Next Scheduled EDR Contact: 05/17/04

City of Los Angeles Landfills

Source: Engineering & Construction Division

Telephone: 213-473-7869

Date of Government Version: 03/01/04

Database Release Frequency: Varies

Date of Last EDR Contact: 03/16/04

Date of Next Scheduled EDR Contact: 06/14/04

HMS: Street Number List

Source: Department of Public Works

Telephone: 626-458-3517

Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 09/30/03

Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 04/05/04

Date of Next Scheduled EDR Contact: 05/17/04

Site Mitigation List

Source: Community Health Services

Telephone: 323-890-7806

Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 02/26/04

Database Release Frequency: Annually

Date of Last EDR Contact: 02/16/04

Date of Next Scheduled EDR Contact: 05/17/04

San Gabriel Valley Areas of Concern

Source: EPA Region 9

Telephone: 415-972-3178

San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office.

Date of Government Version: 12/31/98

Database Release Frequency: No Update Planned

Date of Last EDR Contact: 07/06/99

Date of Next Scheduled EDR Contact: N/A

MARIN COUNTY:

Underground Storage Tank Sites

Source: Public Works Department Waste Management

Telephone: 415-499-6647

Currently permitted USTs in Marin County.

Date of Government Version: 02/10/04

Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 05/03/04

Date of Next Scheduled EDR Contact: 08/02/04

NAPA COUNTY:

Sites With Reported Contamination

Source: Napa County Department of Environmental Management

Telephone: 707-253-4269

Date of Government Version: 03/29/04

Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 03/29/04

Date of Next Scheduled EDR Contact: 06/28/04

Closed and Operating Underground Storage Tank Sites

Source: Napa County Department of Environmental Management

Telephone: 707-253-4269

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/29/04
Database Release Frequency: Annually

Date of Last EDR Contact: 03/29/04
Date of Next Scheduled EDR Contact: 06/28/04

ORANGE COUNTY:

List of Underground Storage Tank Cleanups

Source: Health Care Agency
Telephone: 714-834-3446
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 03/01/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/08/04
Date of Next Scheduled EDR Contact: 06/07/04

List of Underground Storage Tank Facilities

Source: Health Care Agency
Telephone: 714-834-3446
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 03/01/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/08/04
Date of Next Scheduled EDR Contact: 06/07/04

List of Industrial Site Cleanups

Source: Health Care Agency
Telephone: 714-834-3446
Petroleum and non-petroleum spills.

Date of Government Version: 03/01/04
Database Release Frequency: Annually

Date of Last EDR Contact: 03/08/04
Date of Next Scheduled EDR Contact: 06/07/04

PLACER COUNTY:

Master List of Facilities

Source: Placer County Health and Human Services
Telephone: 530-889-7312
List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 02/17/04
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 02/17/04
Date of Next Scheduled EDR Contact: 06/21/04

RIVERSIDE COUNTY:

Listing of Underground Tank Cleanup Sites

Source: Department of Public Health
Telephone: 909-358-5055
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 12/23/03
Database Release Frequency: Quarterly

Date of Last EDR Contact: 04/19/04
Date of Next Scheduled EDR Contact: 07/19/04

Underground Storage Tank Tank List

Source: Health Services Agency
Telephone: 909-358-5055
Date of Government Version: 12/01/03
Database Release Frequency: Quarterly

Date of Last EDR Contact: 04/19/04
Date of Next Scheduled EDR Contact: 07/19/04

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SACRAMENTO COUNTY:

CS - Contaminated Sites

Source: Sacramento County Environmental Management
Telephone: 916-875-8406

Date of Government Version: 01/29/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 05/07/04
Date of Next Scheduled EDR Contact: 08/02/04

ML - Regulatory Compliance Master List

Source: Sacramento County Environmental Management
Telephone: 916-875-8406

Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 02/03/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 05/07/04
Date of Next Scheduled EDR Contact: 08/02/04

SAN BERNARDINO COUNTY:

Hazardous Material Permits

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041

This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 04/15/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/08/04
Date of Next Scheduled EDR Contact: 06/07/04

SAN DIEGO COUNTY:

Solid Waste Facilities

Source: Department of Health Services
Telephone: 619-338-2209
San Diego County Solid Waste Facilities.

Date of Government Version: 08/01/00
Database Release Frequency: Varies

Date of Last EDR Contact: 02/23/04
Date of Next Scheduled EDR Contact: 05/24/04

Hazardous Materials Management Division Database

Source: Hazardous Materials Management Division
Telephone: 619-338-2268

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 10/31/03
Database Release Frequency: Quarterly

Date of Last EDR Contact: 04/08/04
Date of Next Scheduled EDR Contact: 07/05/04

SAN FRANCISCO COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Local Oversight Facilities

Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920

Date of Government Version: 03/08/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/08/04
Date of Next Scheduled EDR Contact: 06/07/04

Underground Storage Tank Information

Source: Department of Public Health
Telephone: 415-252-3920

Date of Government Version: 03/08/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/08/04
Date of Next Scheduled EDR Contact: 06/07/04

SAN MATEO COUNTY:

Fuel Leak List

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921

Date of Government Version: 01/29/04
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 04/12/04
Date of Next Scheduled EDR Contact: 07/12/04

Business Inventory

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921

List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 04/07/04
Database Release Frequency: Annually

Date of Last EDR Contact: 03/02/04
Date of Next Scheduled EDR Contact: 07/12/04

SANTA CLARA COUNTY:

Fuel Leak Site Activity Report

Source: Santa Clara Valley Water District
Telephone: 408-265-2600

Date of Government Version: 12/31/03
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 03/30/04
Date of Next Scheduled EDR Contact: 06/28/04

Hazardous Material Facilities

Source: City of San Jose Fire Department
Telephone: 408-277-4659

Date of Government Version: 10/01/03
Database Release Frequency: Annually

Date of Last EDR Contact: 03/08/04
Date of Next Scheduled EDR Contact: 06/07/04

SOLANO COUNTY:

Leaking Underground Storage Tanks

Source: Solano County Department of Environmental Management
Telephone: 707-421-6770

Date of Government Version: 03/18/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/15/04
Date of Next Scheduled EDR Contact: 06/14/04

Underground Storage Tanks

Source: Solano County Department of Environmental Management
Telephone: 707-421-6770

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/18/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/15/04
Date of Next Scheduled EDR Contact: 06/14/04

SONOMA COUNTY:

Leaking Underground Storage Tank Sites

Source: Department of Health Services
Telephone: 707-565-6565

Date of Government Version: 04/26/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 04/26/04
Date of Next Scheduled EDR Contact: 07/26/04

SUTTER COUNTY:

Underground Storage Tanks

Source: Sutter County Department of Agriculture
Telephone: 530-822-7500

Date of Government Version: 01/29/04
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 04/05/04
Date of Next Scheduled EDR Contact: 07/05/04

VENTURA COUNTY:

Inventory of Illegal Abandoned and Inactive Sites

Source: Environmental Health Division
Telephone: 805-654-2813
Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 09/01/02
Database Release Frequency: Annually

Date of Last EDR Contact: 02/23/04
Date of Next Scheduled EDR Contact: 05/24/04

Listing of Underground Tank Cleanup Sites

Source: Environmental Health Division
Telephone: 805-654-2813
Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 02/26/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/16/04
Date of Next Scheduled EDR Contact: 06/14/04

Underground Tank Closed Sites List

Source: Environmental Health Division
Telephone: 805-654-2813
Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 12/01/03
Database Release Frequency: Quarterly

Date of Last EDR Contact: 04/15/04
Date of Next Scheduled EDR Contact: 07/12/04

Business Plan, Hazardous Waste Producers, and Operating Underground Tanks

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 02/26/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/16/04
Date of Next Scheduled EDR Contact: 06/14/04

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

YOLO COUNTY:

Underground Storage Tank Comprehensive Facility Report

Source: Yolo County Department of Health
Telephone: 530-666-8646

Date of Government Version: 01/27/04
Database Release Frequency: Annually

Date of Last EDR Contact: 04/19/04
Date of Next Scheduled EDR Contact: 07/19/04

California Regional Water Quality Control Board (RWQCB) LUST Records

LUST REG 1: Active Toxic Site Investigation

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-576-2220

Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/01
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 02/23/04
Date of Next Scheduled EDR Contact: 05/24/04

LUST REG 2: Fuel Leak List

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457

Date of Government Version: 03/31/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 04/12/04
Date of Next Scheduled EDR Contact: 07/12/04

LUST REG 3: Leaking Underground Storage Tank Database

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147

Date of Government Version: 05/19/03
Database Release Frequency: Varies

Date of Last EDR Contact: 02/16/04
Date of Next Scheduled EDR Contact: 05/17/04

LUST REG 4: Underground Storage Tank Leak List

Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600

Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/10/04
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 03/08/04
Date of Next Scheduled EDR Contact: 06/07/04

LUST REG 5: Leaking Underground Storage Tank Database

Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291

Date of Government Version: 04/01/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 04/08/04
Date of Next Scheduled EDR Contact: 07/05/04

LUST REG 6L: Leaking Underground Storage Tank Case Listing

Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 916-542-5424

For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/03
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 03/08/04
Date of Next Scheduled EDR Contact: 06/07/04

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LUST REG 6V: Leaking Underground Storage Tank Case Listing

Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-346-7491

Date of Government Version: 01/21/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 04/05/04
Date of Next Scheduled EDR Contact: 07/05/04

LUST REG 7: Leaking Underground Storage Tank Case Listing

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-346-7491

Date of Government Version: 02/26/04
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 02/26/04
Date of Next Scheduled EDR Contact: 06/28/04

LUST REG 8: Leaking Underground Storage Tanks

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4498

California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 01/12/04
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 05/12/04
Date of Next Scheduled EDR Contact: 08/09/04

LUST REG 9: Leaking Underground Storage Tank Report

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980

Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/01
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 04/19/04
Date of Next Scheduled EDR Contact: 07/19/04

California Regional Water Quality Control Board (RWQCB) SLIC Records

SLIC REG 1: Active Toxic Site Investigations

Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220

Date of Government Version: 04/03/03
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 02/23/04
Date of Next Scheduled EDR Contact: 05/24/04

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457

Any contaminated site that impacts groundwater or has the potential to impact groundwater.

Date of Government Version: 03/31/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 04/12/04
Date of Next Scheduled EDR Contact: 07/12/04

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147

Any contaminated site that impacts groundwater or has the potential to impact groundwater.

Date of Government Version: 09/16/03
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 02/16/04
Date of Next Scheduled EDR Contact: 05/17/04

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600

Any contaminated site that impacts groundwater or has the potential to impact groundwater.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/28/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 04/26/04
Date of Next Scheduled EDR Contact: 07/26/04

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-855-3075

Unregulated sites that impact groundwater or have the potential to impact groundwater.

Date of Government Version: 04/01/04
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 04/05/04
Date of Next Scheduled EDR Contact: 07/05/04

SLIC REG 6L: SLIC Sites

Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574

Date of Government Version: 03/09/04
Database Release Frequency: Varies

Date of Last EDR Contact: 03/08/04
Date of Next Scheduled EDR Contact: 06/07/04

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583

Date of Government Version: 04/01/04
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 04/05/04
Date of Next Scheduled EDR Contact: 07/05/04

SLIC REG 7: SLIC List

Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491

Date of Government Version: 02/27/04
Database Release Frequency: Varies

Date of Last EDR Contact: 02/23/04
Date of Next Scheduled EDR Contact: 05/24/04

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-3298

Date of Government Version: 04/01/03
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 04/08/04
Date of Next Scheduled EDR Contact: 07/05/04

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980

Date of Government Version: 04/29/04
Database Release Frequency: Annually

Date of Last EDR Contact: 04/29/04
Date of Next Scheduled EDR Contact: 05/31/04

EDR PROPRIETARY HISTORICAL DATABASES

Former Manufactured Gas (Coal Gas) Sites: The existence and location of Coal Gas sites is provided exclusively to EDR by Real Property Scan, Inc. ©Copyright 1993 Real Property Scan, Inc. For a technical description of the types of hazards which may be found at such sites, contact your EDR customer service representative.

Disclaimer Provided by Real Property Scan, Inc.

The information contained in this report has predominantly been obtained from publicly available sources produced by entities other than Real Property Scan. While reasonable steps have been taken to insure the accuracy of this report, Real Property Scan does not guarantee the accuracy of this report. Any liability on the part of Real Property Scan is strictly limited to a refund of the amount paid. No claim is made for the actual existence of toxins at any site. This report does not constitute a legal opinion.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

BROWNFIELDS DATABASES

VCP: Voluntary Cleanup Program Properties

Source: Department of Toxic Substances Control

Telephone: 916-323-3400

Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 03/02/04

Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/03/04

Date of Next Scheduled EDR Contact: 05/31/04

US BROWNFIELDS: A Listing of Brownfields Sites

Source: Environmental Protection Agency

Telephone: 202-566-2777

Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become BCRLF cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: N/A

Database Release Frequency: Semi-Annually

Date of Last EDR Contact: N/A

Date of Next Scheduled EDR Contact: N/A

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data

Source: PennWell Corporation

Telephone: (800) 823-6277

This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities

Source: Department of Social Services

Telephone: 916-657-4041

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 from the U.S. Fish and Wildlife Service.

STREET AND ADDRESS INFORMATION

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APPENDIX G
RESUMES OF PROJECT PERSONNEL



TARA M. HOLMES

Education

B.S. - California State University, Los Angeles, 2003
Geology

Affiliations

National Ground Water Association
Women's Environmental Council

Professional Experience

Since joining SCS, Ms. Holmes's project experience has included:

- Phase I Environmental Assessments of property to assess the potential for contamination. These projects consist of evaluating current on-site operations, generation of historical property use information, identifying potentially contaminated sites in the surrounding areas, and review of files maintained by regulatory agencies.
- Coordination and implementation of Phase II site investigations involving soil and soil vapor sampling; precision mapping of sites; and evaluation of known and/or suspected contaminants.
- Oversight of deep soil mixing remediation project to mitigate the hazards associated with hydrocarbon and chlorinated solvent contamination in accordance with regulatory requirements.
- Installation and field monitoring of methane wells to assess the nature and extent of subsurface explosive gases for proposed development.
- Obtaining city and county non-production well permits.

Ms. Holmes has participated in a certified health and safety program in compliance with OSHA Standard 29 CFR 1910.120 and 8 CCR 5192. She is knowledgeable in incident response operations, team functions, personnel safety, and field equipment. She is able to recognize and evaluate potential chemical and physical hazards and associated risks in field operations; discuss and use personal protective equipment such as respiratory protection and protective clothing; use and interpret direct-reading instruments; and examine and establish Standard Operating Guidelines to ensure safe and effective response operations.

Prior to joining SCS, Ms. Holmes was Manager of Administrative Business and State Administrator for 39 offices that served as follow-up centers for the Genetic Disease Branch of the State of California with responsibilities that included coordination of client facilities, professional staff, and reporting and compliance with California regulations.

KEVIN W. GREEN, R.G., R.E.A.

Education

B.S. - California State University, Long Beach, 1978
Marine Biology

Professional Licenses

Registered Geologist - California, 1994 (No. 5906)
Registered Environmental Assessor - California, 1992 (No. REA-03945)

Affiliations

National Ground Water Association
Society of Economic Paleontologists and Mineralogists

Professional Experience

Mr. Green has a background in geology and paleontology. Since joining SCS in 1987, he has been involved in numerous projects related to the investigation and remediation of hazardous chemicals in soils and groundwater. Selected projects in which Mr. Green has participated include:

- Project Manager for hundreds of Phase I environmental assessments. These projects consist of evaluating current on-site operations, generation of historical property use information, identifying potentially contaminated sites in the surrounding areas, and review of files maintained by regulatory agencies.
- Project Manager for numerous investigations of hazardous waste sites to identify and characterize contaminants in soil and groundwater in accordance with regulatory requirements. Contaminants include a variety of hydrocarbon products, heavy metals, polychlorinated biphenyls (PCBs), and pesticides.
- Project Manager for numerous projects related to the assessment and remediation of contaminant plumes from leaking underground storage tanks. In accordance with the requirements of numerous regulatory agencies throughout southern California, Mr. Green has developed work plans and health and safety plans, coordinated and conducted field investigations, evaluated and implemented remedial alternatives, and prepared summary reports.
- Project Manager for numerous remediation projects involving the excavation, transport, and disposal or treatment of hydrocarbon, pesticide, and/or heavy metal contaminated soils.

KEVIN W. GREEN, R.G., R.E.A. (continued)

- Project Manager for numerous soil gas surveys utilized to assess the presence, nature, and extent of subsurface gases related to contaminated soils and/or landfills.
- Coordination and supervision regarding the installation of vapor extraction systems for the remediation of volatile contaminants in subsurface soils.
- Evaluation of environmental conditions at sanitary landfills. Mr. Green was Task Manager for the installation and sampling of groundwater monitoring wells at and adjacent to existing landfills to determine the presence of leachate. This work was done in strict accordance with state regulations and local ordinances.
- Expert testimony regarding the investigation of hazardous waste sites.
- Research support related to litigation and expert testimony.

Specific projects that Mr. Green has been involved with at SCS include:

- Project Manager for Well Investigation Program compliance under Regional Water Quality Control Board (RWQCB) oversight at a jet engine repair, maintenance and testing facility in the San Fernando Valley Superfund area.
- Project Manager for general environmental consulting services for the Community Redevelopment Agency of the City of Los Angeles. Projects conducted under the multi-year contract include numerous environmental assessments, asbestos, lead-based paint, soil, and groundwater investigations and remediation. Project sites include commercial, industrial, and residential properties up to 232 acres in size.
- Participation in the preparation of an Environmental Impact Report addressing environmental concerns associated with proposed remedial action for the Del Norte Superfund site in Crescent City, California.
- Project Manager for assessment and oversight activities related to closure of the PSAirmotive jet engine repair/testing facility in San Diego for client acquiring the facility. Tasks included a Phase I assessment; asbestos survey; soil gas and soils investigations of underground storage tanks, plating shop, and various chemical storage and use areas; evaluation of air and wastewater permits; evaluation of regulatory requirements for closure; and assistance to legal counsel in evaluating environmental liabilities.

Mr. Green has participated in a certified health and safety program in compliance with OSHA Standard 29 CFR 1910.120. He is knowledgeable in incident response operations, team functions, personnel safety, and field equipment. Mr. Green is able to recognize and evaluate potential chemical and physical hazards and associated risks in field operations; discuss and use

KEVIN W. GREEN, R.G., R.E.A. (continued)

personnel protective equipment such as respiratory protection and protective clothing; use and interpret direct-reading instruments; and examine and establish Standard Operating Safety Guidelines to ensure safe and effective response operations.

Mr. Green has been involved in numerous SCS projects related to hazardous waste characterization and management. He has experience in site assessment studies, underground tank investigations and their associated remediation programs, landfill studies, and geologic and hydrogeologic site characterization studies. His work experience includes all project phases from development of cost estimates for various site assessment and cleanup programs, to groundwater monitoring and sampling, to preparation of final reports and interfacing with regulatory agencies.

Publications

Marsh, J. R., K. W. Green, T. Dong. Phase I Assessments and Due Diligence: One and the Same? Environmental Engineering Forum, American Society of Civil Engineers, Environmental Engineering Division. Journal of Environmental Engineering. Vol. 120, No. 6, November/December 1994.

Green, K. W., and B. Garbaccio. Understanding and Interpreting a Site Investigation Report. California Redevelopment Journal. October 1994

Marsh, J. R., and K. W. Green. What Your Phase I Assessment Dollars Buy. California Redevelopment Association Journal. July 1994.

Marsh, J. R., K. W. Green, T. Dong. Standardizing Environmental Assessments: A Practical Perspective. Journal of Environmental Engineering. Vol. 122, No. 3. March 1996.

**PHASE II INVESTIGATION REPORT
LONG BEACH PUBLIC SERVICE YARD
1601 SAN FRANCISCO AVENUE
LONG BEACH, CALIFORNIA 90802**

Prepared for:

City Attorney of the City of Long Beach
c/o Overland, Pacific & Cutler, Inc.
100 West Broadway, Suite 500
Long Beach, CA 90802
(562) 431-6789

Prepared by:

SCS Engineers
3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806
(562) 426-9544

August 2, 2005

File No. 01204007.02



Environmental Consultants

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SCS ENGINEERS

November 8, 2005
Job No. 01204007.02

Mr. John Cutler
Overland, Pacific & Cutler, Inc.
100 West Broadway, Suite 500
Long Beach, CA 90802
(562) 431-6789

**SUBJECT: PHASE II INVESTIGATION, LONG BEACH PUBLIC SERVICE YARD,
1601 SAN FRANCISCO AVENUE, LONG BEACH, CALIFORNIA.**

Dear Mr. Cutler:

Enclosed with this letter are three copies (two bound and one unbound) of the above-mentioned report for the Property.

Should you have any questions or comments regarding this report, please feel free to contact me at (562) 426-9544.

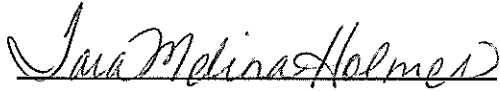
Sincerely,

Tara Melina Holmes

Tara M. Holmes
Staff Scientist
SCS ENGINEERS

Enclosures – Phase II Report

This Phase II Investigation Report for the Long Beach Public Service Yard, 1601 San Francisco Avenue, Long Beach, California, dated August 2, 2005, was prepared and reviewed by the following:



Tara Holmes
Staff Scientist



Kevin W. Green, P.G., R.E.A.
Project Director
SCS ENGINEERS

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Appendices

- A – H&P Mobile Geochemistry Laboratory Report for Soil Vapor Samples
- B – Advanced Technology Laboratories Reports for Soil Samples
- C – Boring Logs



LIMITATIONS/DISCLAIMER

This report has been prepared specifically for Overland, Pacific & Cutler, Inc., on behalf of the City Attorney of the City of Long Beach with application to a Phase II Investigation Report of the Long Beach Public Service Yard, 1601 San Francisco Avenue in Long Beach, California. This report has been prepared in accordance with the care and skill generally exercised by reputable professionals, under similar circumstances, in this or similar localities. No other warranty, expressed or implied, is made as to the professional opinions presented herein. Third parties use this report at their own risk. SCS assumes no responsibility for the accuracy of information obtained from, compiled or provided by outside sources.

This assessment focused on potential sources of hazardous substances and petroleum hydrocarbons that could be considered a potential liability due to their presence in significant concentrations (e.g., above acceptable limits set by federal or state agencies) or due to the potential for contaminant migration through exposure pathways (e.g., ground water). Hazardous substances naturally occurring in plants, soils, and rock (e.g., radon, or naturally-occurring asbestos) are not typically considered in these investigations.

Changes in site use and conditions may occur due to variations in rainfall, temperature, water usage, economic, or other factors. It is possible that additional information exists beyond the scope of this investigation. Additional information, which was not available to the consultant at the time of this investigation, or changes that may occur on the site or in the surrounding area may result in modification to the site that would impact the summary and recommendations presented herein. This report is not a legal opinion.



EXECUTIVE SUMMARY

SCS was retained by Overland, Pacific & Cutler, Inc. on behalf of the City Attorney of the City of Long Beach to conduct a Phase II Investigation for the Long Beach Public Service Yard at 1601 San Francisco Avenue in Long Beach, California (the "Property"). The purpose of this investigation was to assess the potential for contamination on the Property from the environmental concerns identified in the Phase I Environmental Assessment report dated February 22, 2005, completed by SCS Engineers (SCS). It is SCS's understanding that portions of the Property may be considered for non-residential (i.e., industrial) redevelopment.

The findings and conclusion of this report are presented in two approaches, 1) based on the chemicals of potential concern and 2) based on previously identified recognized environmental conditions.

Chemicals of Potential Concern

Hydrocarbons – With the exception of the former kerosene UST area, no obvious signs of hydrocarbon-impacted soil were noted during the field investigation. Excluding the kerosene UST area, 15 soil samples were analyzed from representative areas of the Property. As shown in Table 2, none of these samples contained concentrations of petroleum hydrocarbons above the Los Angeles Regional Water Quality Control Board's (RWQCB) Soil Screening Levels (SSLs).

Kerosene-related hydrocarbons (TPH-g and TPH-d) were detected in the three 10-foot soil samples collected from the borings B24 through B26. TPH and VOC impacts in the area of the former kerosene UST are discussed in the section on recognized environmental conditions below.

VOCs – Thirty soil vapor samples and 13 bulk soil samples were collected and analyzed from areas of potential environmental concern identified on the Property. With the exception of samples from the former 500-gallon kerosene UST area, only trace concentrations of 1,1,1 TCA, PCE, and/or dibromochloromethane were detected in soil vapor or bulk soil samples. Based on our experience with similar sites, concentrations of VOCs in this range are generally not of concern to regulatory agencies, and are not considered a recognized environmental condition for the Property.

Petroleum-related VOCs were detected in the three 10-foot soil samples collected from borings B24 through B26. TPH and VOC impacts in the area of the former kerosene UST are discussed in the section on recognized environmental conditions below.

Metals – Eighteen samples were analyzed from representative areas of the Property as shown in Table 3. The analytical results from these samples can be compared with:

- Health risk based standards: that is, the PRGs



- California waste disposal standards: the Total Threshold Limit Concentrations (TTLCs) and Soluble Threshold Limit Concentrations (STLCs) as defined in Title 22 of the California Code of Regulations
- Federal waste disposal standards: the Toxicity Characteristic Leaching Procedure (TCLP) as identified in the Code of Federal Regulations

Health Risk Standards – Using these criteria, and as shown in Table 3, lead exceeds the industrial PRG for soils in the following areas:

- B5-5' – Car wash area
- B12-1' – Parking lot/suspected fill area
- B14-5' and B14-10' – Parking lot/suspected fill area

And arsenic exceeds the industrial PRG in the following area:

- B5-5' – Car wash area

Soils from these areas should be considered a potential health risk if disturbed in the future.

Waste Disposal Criteria – With regarding to waste disposal criteria, there are three samples (from B5 and B14) shown in Table 3 with concentrations of lead above the TTLC of 1,000 mg/kg. Soils with concentrations detected in these samples would be considered hazardous for the purposes of disposal under California regulations if removal is considered in the future.

Total metals concentrations, which exceed ten times their respective STLC values, may, upon laboratory analysis for the soluble fraction, be found to exceed the STLC and therefore the soils may be considered hazardous for the purposes of disposal under California regulations. Based on sample results for B2-1', B5-5', B9-1', B10-1', B12-1', B14-5', B14-10', and B19-1' soils in these areas may (upon further laboratory analysis) contain one or more metals at concentrations that would classify them as hazardous for the purposes of disposal under California regulations.

Further, metals concentrations, which exceed twenty times their respective TCLP values, may, upon laboratory analysis for the soluble fraction, be found to exceed the TCLP and therefore be considered hazardous for the purposes of disposal under Federal regulations. Based on samples B2-1' and B5-5' soils in these areas may (upon further laboratory analysis) contain one or more metals at concentrations that would classify these soils as hazardous for the purposes of disposal under Federal regulations.

If soils are excavated from these areas, they should be tested in order to determine appropriate disposal options/requirements.



Organochlorine Pesticides – No organochlorine pesticides were detected in the samples analyzed. Based on these results, no impact to the Property is anticipated from organochlorine pesticides.

Recognized Environmental Conditions

As previously discussed, the Phase I Environmental Assessment identified the following recognized environmental conditions for the Property:

Fill Material – Debris from the 1933 earthquake may have been placed on the western portion of the Property. This material may contain asbestos, lead-based paint, or other substances of potential environmental concern. Known and suspected fill materials were encountered, especially in the elevated areas of the Property as shown in Figures 2A and 2B. Borings in the fill areas encountered red brick; no signs of other types of building debris or materials, which may contain asbestos, were noted.

As discussed above, there were no indications in the laboratory results from soil samples of elevated concentrations of VOCs, hydrocarbons, or organochlorine pesticides in fill areas. However, as previously discussed, lead and arsenic were detected in fill soils at concentrations that may be a potential risk to human health, or require special consideration (i.e., additional testing and characterization) prior to removal and/or disposal.

Former 500-gallon Kerosene UST – This UST was removed in July 1988 from the northeastern corner of the Property. One under-tank soil sample collected at that time contained 16,000 parts per million of hydrocarbons. Although no evidence of remediation was available, this UST received a “no further action” letter on March 25, 1999 from the City of Long Beach Environmental Health Underground Tank Program.

During the present investigation, kerosene-related hydrocarbons were detected in soils from the 10-foot depth in this area. The Los Angeles Regional Water Quality Control Board (RWQCB) has established cleanup guidelines, also known as soil screening levels (SSLs), for hydrocarbon-impacted soils based on the potential for groundwater contamination. Where groundwater is anticipated at less than 20 feet bgs (groundwater is at about 10 feet bgs at the Property), the SSLs are 100 mg/kg for hydrocarbons in the gasoline or C₄-C₁₂ range, 100 mg/kg for hydrocarbons in the diesel or C₁₃-C₂₂ range, and 1,000 mg/kg for hydrocarbons in the heavy or C₂₃-C₃₂ range. The concentrations of TPH-g (760 to 4,000 mg/kg) and TPH-d (465 to 2,570 mg/kg) in the 10-foot samples from borings B24 through B26 are above the RWQCB’s SSLs.

The VOCs detected in these same samples (n-propylbenzene, sec-butylbenzene, naphthalene, etc.) are consistent with a release of kerosene in this area. In addition, naphthalene was detected in one sample (B26-10’ at 15,000 mg/kg) at a concentration above its industrial PRG of 4,200 mg/kg.



A groundwater sample collected from boring B25, which appeared to be located in a “worst-case” area near the former UST, did not contain detectable concentrations of VOCs. Traces of TPH-g and TPH-d were detected in the groundwater samples collected from this boring. There are no regulatory limits with respect to various fractions of hydrocarbons in groundwater. Based on our experience with similar sites, the traces of TPH-g and TPH-d detected in groundwater would not warrant remediation by regulatory agencies.

The former kerosene UST has received a “no further action” letter from the City of Long Beach. Although some soil samples were found contain petroleum hydrocarbons above generally applicable regulatory standards, the data from this investigation indicates that there has been no significant impact to groundwater, and there is no significant threat of an impact to groundwater. However, any future redevelopment in this area may encounter hydrocarbon-impacted soils. As a part of the redevelopment, it may be prudent to remove the impacted soil when access is available.

Historic Operations – Releases of waste oils, various pesticides, chemicals, paint and solvents, may have resulted from historical operations on the Property, where chemicals were used and stored. As discussed in this report, impacted soils were identified in the areas of the former kerosene UST, fill soils, streetlight crushing area, and car wash clarifier. None of the other areas – including the various chemical storage areas, paint shop, chemical lab, and machine shop – appear to have resulted in any significant environmental impact to the Property.

Streetlight Bulb Crushing/Disposal Areas – A streetlight bulb crushing/disposal operations were conducted in two areas of the Property. Soil testing for metals in the one-foot samples from B2, B3, and B13 was conducted to assess the potential for contamination from these operations. Metals concentrations in B3 and B13 appeared to be typical of California soils.

The analytical results for boring B2 show concentrations of barium, zinc and lead above typical background levels; additional investigation of the area of this boring may be warranted prior to excavation and/or removal of soil.

Current Gasoline and Diesel USTs – Soil gas samples (SG6 through SG9) collected and analyzed from around the current gasoline and diesel USTs did not detect any concentrations of fuel-related constituents. Based on these results, there is no evidence of significant impact to the Property from these current USTs. Further investigation is not recommended at this time.

Clarifiers – Soil gas and bulk soil samples were collected in the areas of the paint disposal and car wash clarifiers. VOCs were not detected in soil (B4-10’) and soil gas samples (SG3) collected and analyzed from the area of the paint clarifier. Based on these results, no significant environmental impact to the Property is anticipated from the Paint Clarifier.

Soil gas samples (SG4 through SG6) in the area of the car wash clarifier did not contain detectable concentrations of VOCs. A soil sample from five feet bgs in boring B5 did not contain detectable concentrations of TPH. However, sample B5-5’ contained elevated



concentrations of metals, including arsenic, chromium, copper, lead, nickel and zinc. The car wash area, including the clarifier, appears to have been renovated in the last several years. The source of the metals in soil is unknown; they may be related to historic operations in this area, or to fill soils (the area is topographically elevated with respect to the area to the east).

Additional investigation and remediation for metals is recommended prior to any redevelopment of this area of the Property.

Groundwater Monitoring Wells – Three groundwater monitoring wells reportedly installed on or adjacent to the Property could not be located, and are presumed to have been appropriately destroyed. No further investigation with respect to these wells is recommended.

**PHASE II INVESTIGATION REPORT
LONG BEACH PUBLIC SERVICE YARD
1601 SAN FRANCISCO AVENUE
LONG BEACH, CALIFORNIA 90802**

INTRODUCTION

SCS Engineers (SCS) was retained by Overland, Pacific and Cutler, Inc. (OPC) on behalf of the City Attorney of the City of Long Beach to conduct a Phase II investigation of the Long Beach Public Service Yard site located at 1601 San Francisco Avenue in Long Beach, California (the "Property"). A map showing the location of the Property is provided as Figure 1 of Appendix A.

The purpose of this investigation was to assess the potential for contamination to exist on the Property based on the environmental concerns identified in the Phase I Environmental Assessment report dated February 22, 2005, completed by SCS. It is our understanding that portions of the Property may be considered for non-residential (i.e., industrial) redevelopment.

Background

The SCS Phase I Environmental Assessment identified the following recognized environmental conditions (RECs) for the Property:

- City personnel indicated that fill material was placed on the western raised portions of the Property; the exact date of deposition and the source of this material is unknown, but reportedly may include debris from the 1933 earthquake. Building debris from 1933 may contain asbestos, lead-based paint, or other substances of potential environmental concern.
- A 500-gallon kerosene underground storage tank (UST) was removed in July 1988 near the southwest corner of San Francisco Avenue and Esther Street. One undertank soil sample contained 16,000 parts per million of hydrocarbons. Although no evidence of remediation was available, this UST received a "no further action" letter on March 25, 1999 from the City of Long Beach Environmental Health Underground Tank Program
- Releases of waste oils, various pesticides, chemicals, paint and solvents, may have resulted from historical operations on the Property, where chemicals were used and stored. The locations and nature of these operations, including a paint shop, a chemical laboratory, a machine shop, etc., appear to be transitory, and it is possible that spills and leaks have occurred in various locations over the 70 plus years that the Public Service Yard has been in operation.
- A streetlight bulb crushing/disposal operation, wherein water was used to suppress dust generated during the crushing of lights within a dumpster, was conducted on the Property.



- Current gasoline and diesel USTs are located on the Property.
- Paint disposal and car wash clarifiers are located on the Property.
- Permits for two groundwater monitoring wells for Los Angeles County, and one well for Long Beach Public Works, were identified for the Property or immediate surrounding area in 1994 and 1995. The status of these wells is unknown.

It should be noted that the Phase I Assessment identified an open leaking UST case for the Property. This case is associated with a former 550-gallon gasoline UST, reportedly located at the City Tow Yard at 901 West Anaheim Street. This UST was removed in 1995 from a location in the 14th Street right-of-way, immediately north of the City Tow Yard at 901 Anaheim Street. Soil and groundwater impacts were confirmed in investigations of the area. The Los Angeles Regional Water Quality Control Board is the lead regulatory agency for this project. SCS conducted a separate investigation of this area. The results of the UST soil and groundwater investigation will be submitted in a separate report.

GEOLOGY AND HYDROGEOLOGY

Physiographic Setting

According to the U.S. Geological Survey (USGS), Long Beach (1964, photorevised 1981), California 7.5 minute topographic map, the Property is located immediately east of the Los Angeles River at an elevation of approximately five feet above mean sea level and about 1.3 miles north of San Pedro Bay. Regional topography is relatively flat with a gentle slope to the west.

Geology and Soils

Geologic maps indicate that surface sediments in the area are Quaternary alluvium and coastal deposits of silt, sand, and gravel that are underlain by the late Pleistocene Lakewood Formation. The Lakewood Formation, which consists of gravel, sand, sandy silt, silt and clay with shale pebbles, extends to a depth of approximately 100 feet (California DWR, Bulletin No.104). Sediments below the Lakewood Formation belong to the late Pleistocene San Pedro Formation.

Groundwater

The Property is located in the southern portion of the West Coast Groundwater Basin. The first groundwater aquifer in the region is within the Gage Aquifer within the Lakewood Formation. First groundwater in the vicinity of the Property is approximately 10 feet below grade (DWR, June 1961). There are no known regional groundwater contamination problems in this area. However, shallow groundwater has locally been impacted by saltwater intrusion; therefore, it is not used as a drinking water source. Groundwater flow direction is anticipated to be generally

westerly towards the Los Angeles River/Flood Control Channel adjacent to the Property. Groundwater beneath the Property is likely tidally influenced in this area.

SITE INVESTIGATION

The scope of work for the investigation included the collection and analysis of 30 soil vapor samples to assess the presence of volatile organic compounds (VOCs). In addition, 26 exploratory borings were drilled to depths ranging from one to ten feet below ground surface (bgs). Soil samples were collected and selectively analyzed for total petroleum hydrocarbons, heavy metals, organochlorine pesticides, and VOCs. One groundwater sample was collected from the area of the former 500-gallon kerosene UST, in the northeastern corner of the Property, at a depth of approximately 12 feet bgs and analyzed for fuel-related constituents. Access to the Property was provided by Mr. Greg Berg (562/570-2719) of the City of Long Beach.

Prior to drilling, a geophysical survey was conducted by Goldak of Glendale, California, to screen the areas of concern for underground utilities and clear the 56 proposed boring locations. On June 13, 2005, Goldak screened the potential boring locations using equipment capable of detecting metallic objects, magnetic anomalies, and electric power cables. The groundwater monitoring wells reportedly installed on or adjacent to the Property could not be located, and are presumed to have been appropriately destroyed.

During the geophysical survey, site personnel noted that street light crushing operations were not conducted near the northeastern corner of the Property as identified in the Phase I Assessment. Two alternative street light crushing locations were identified: 1) an area in the 14th Street right-of-way adjacent to San Francisco Avenue (borings B2 and B3), and 2) near a dumpster in the central portion of the Property (boring B13).

Soil, soil vapor, and groundwater sampling activities were conducted on June 20 and 21, 2005, using protocols described in the following narrative.

Soil Vapor Collection

H&P Mobile Geochemistry (H&P) of Solana Beach, California, conducted soil vapor sampling activities on June 20 and 21, 2005. Soil vapor samples were collected at depths of 5 feet bgs in 30 locations. Samples were designated SG-1 through SG-30. A map of the Property showing the area of investigation and sampling locations is provided as Figures 2A and 2B. The soil vapor samples were collected, using a direct-push drill rig or hand-operated equipment, from areas of concern identified in the Phase I Assessment, and as modified in the field based on accessibility and on information provided by site personnel. A state-certified, on-site mobile laboratory provided by H&P was used to analyze soil vapor samples for VOCs in the field.

Soil and Groundwater Sample Collection

H&P also used a direct-push Strataprobe rig to collect soil samples and one groundwater sample from 26 borings on June 20 and 21, 2005. Soil borings, designated B-1 through B-26 as shown



in Figure 2, were drilled in areas of environmental concern based on current and historical uses of the Property (previously discussed). In addition, one groundwater sample was collected from boring B-25 in the area of the former 500-gallon kerosene UST.

Soil samples were collected at 1-, 5-, and/or 10-foot depths from each boring. Samples were selected for laboratory analysis based on indications of contamination such as odors or discoloration, and to provide analytical results representative of the areas of concern. Sediments encountered during drilling generally consisted of gray, green or brown silt and sand. Groundwater was encountered at approximately 10 feet bgs in several borings. The only obvious signs of hydrocarbon contamination (odors and discolored soils) were encountered in the 10-foot samples from borings (B24 through B26) drilled in the area of the former 500-gallon kerosene UST in the northeastern corner of the Property. Signs of fill soils (generally dark gray or black well-graded sand/silt mixes, sometimes with fragments of red brick) were often encountered in the raised areas of the Property. Boring logs are provided in Appendix C.

Twenty-one samples were analyzed for total petroleum hydrocarbons (TPH) carbon-chain analysis using EPA Method 8015 modified. Twelve samples were analyzed for VOCs using EPA Method 8260B, four samples were analyzed for organochlorine pesticides using EPA Method 8081A, and 18 samples were analyzed for 17 heavy metals (California Title 22 metals). The samples were submitted to a state-certified laboratory for analysis.

Materials and Methods

Soil Vapor Sampling

Soil vapor equipment consisted of hollow steel probes, which were driven into subsurface soils to the desired depth of five feet bgs using either the Strataprobe direct-push drill rig or a Roto-hammer operated by hand. Soil vapor samples were recovered by slightly retracting the probe and exposing sampling ports on the drive point. Vapor samples were extracted with a syringe via a Nylaflow tube attached to the drive tip. Prior to sampling, the tubing was purged to remove ambient air from the sampling system and to ensure that the collected vapor sample represented conditions in the soil. Clean Nylaflow tubing was utilized for each sample. Duplicate samples, calibration standards, and sample blanks were used to provide Quality Assurance/Quality Control (QA/QC) data. Immediately following sample collection, the samples were analyzed for VOCs by the state-certified, on-site mobile laboratory provided by H&P.

Soil Sampling

Bulk soil samples were obtained using a Strataprobe equipped with a hydraulic hammer and a two foot long, 2-inch diameter split-spoon sampler. A pointed steel tip was fixed to the head of the split-spoon sampler and driven to the desired depth on a steel rod. Samples were collected by retracting the drive tip through the center of the sample with an inner rod, and hydraulically hammering the sampler an additional two feet.

Soil samples from each boring were recovered in two-foot long, pre-cleaned plastic acetate sleeves. An approximately 6- to 12-inch section was cut from the sample sleeve and retained for laboratory analysis. Immediately following soil sample collection, both ends of each acetate sample sleeve were covered with Teflon squares, capped with plastic end caps, and sealed with solvent-free polyethylene tape. A solvent-free label noting the date of collection, sample number, and project number was affixed to each sample. Immediately following labeling, samples were placed in a chilled cooler for later transport to Advanced Technology Laboratories (ATL) of Signal Hill, California for analysis. Soil samples were tracked from point of collection through the laboratory using standard chain-of-custody protocols.

Soil samples designated for analysis of VOCs were prepared in the field using EPA Method 5035, which includes the collection of three 5-gram aliquots of soil from each soil sample using a plunger/sub-sampler provided by the laboratory. The three aliquots of soil were immediately placed in 40 milliliter VOA (volatile organic analysis) vials as follows: two aliquots in VOAs with a sodium bisulfate preservative, and one in a methanol preservative.

Groundwater Sampling

One groundwater sample was collected from boring B-25 at a depth of approximately 12 feet bgs. A temporary 1-inch diameter PVC well casing was installed in the open borehole. A pre-cleaned steel bailer was used to collect samples for VOC analysis. To minimize the potential loss of VOCs, groundwater samples for VOC and TPH-g analyses were slowly and carefully poured from the bailer into 40-milliliter glass VOA vials with hydrochloric acid preservative. The VOAs were quickly capped and checked to ensure that no air bubbles were present.

Backfill of Borings – The soil vapor, soil and groundwater sample locations were all backfilled with granular bentonite, hydrated, and the surface completed with asphalt or concrete to match the surrounding surface.

ANALYTICAL RESULTS

Soil Vapor Results

Thirty soil vapor samples were analyzed for VOCs. The soil vapor laboratory report from H&P is provided as Appendix A.

As shown in Table 1, only four of the 30 vapor samples contained detectable concentrations of VOCs. Sample SG-12 contained 1,1,1-trichloroethane (1,1,1 TCA) at a concentration of 2.6 micrograms per liter ($\mu\text{g/L}$), and three soil vapor samples (SG-22, SG-23, and SG-24) contained concentrations of tetrachloroethene (PCE) ranging from 1.7 to 5.9 $\mu\text{g/L}$.



Bulk Soil Results

ATL laboratory reports for soil samples are provided in Appendix B. Samples were analyzed by ATL for TPH, VOCs, organochlorine pesticides, and Title 22 metals. A summary of the analytical results is provided below and in Tables 2 and 3.

Hydrocarbons – Twenty-two soils samples were analyzed for TPH with hydrocarbon chain breakdown. A summary of the analytical results is provided in Table 2. Petroleum hydrocarbons were not detected in 16 of the 22 samples.

Low concentrations of diesel (TPH-d [C₁₃-C₂₂], up to 12 milligrams/kilogram (mg/kg), and heavy-range hydrocarbons (TPH-h [C₂₃-C₄₀]), up to 180 mg/kg, were detected in three samples: B9-1' (boring B9 at 1-foot), B12-5', and B19-1'.

Higher concentrations of TPH were detected in the 10-foot samples from borings B24, B25, and B26, which were drilled in the area of the former kerosene UST. Sample B25-10' had concentrations of gasoline range hydrocarbons (TPH-g, C₄-C₁₂) and TPH-d of 760 and 465 mg/kg, respectively. Sample B24-10' had TPH-g and TPH-d concentrations of 3,090 and 2,140 mg/kg, respectively. Sample B26-10' had TPH-g and TPH-d concentrations of 4,000 and 2,570 mg/kg, respectively. Samples B24-10' and B25-10' also contained TPH-h of 58 and 13, respectively.

VOCs – Thirteen soil samples were analyzed for VOCs. A summary of the analytical results for VOCs is provided in Table 2. VOCs were not detected in nine of the 13 samples analyzed. Two VOCs were detected in sample B8-5', specifically 1,1,1-TCA at 4.9 micrograms per kilogram (µg/kg), and dibromochloromethane at 4.3 µg/kg.

VOCs were also detected in the 10-foot samples from borings B24, B25, and B26, drilled in the area of the former kerosene UST. Two VOCs were detected in sample B24-10', n-propylbenzene at 310 µg/kg and sec-butylbenzene at 1,000 µg/kg. Four VOCs, n-propylbenzene, sec-butylbenzene, isopropylbenzene, and naphthalene, were detected in sample B25-10' at concentrations of 1,300, 1,300, 520, and 2,500 µg/kg, respectfully, and in sample B26-10' at concentrations of 17,000, 12,000, 8,200, and 15,000 µg/kg, respectively. Sample B26-10' also contained tert-butylbenzene at a concentration of 630 µg/kg.

Metals – Eighteen soil samples were analyzed for Title 22 heavy metals. Table 3 provides a summary of the analytical results for metals, typical background levels in California soils, and various regulatory limits that may be applicable. As shown in Table 3, most of the samples have metals concentrations within the typical range for California soils.

However, samples with concentrations of lead (990 to 2,400 mg/kg) above generally accepted guidance levels (the US EPA Preliminary Remediation Goal [PRG] for industrial soils) were collected from the following areas:

- B5-5' – From the car wash area



- B12-1' – From the parking lot/suspected fill area
- B14-5' and B14-10' – From the parking lot/suspected fill area

With the exception of sample B5-5', these samples also contained other metals (barium, cadmium, copper, chromium, nickel and/or zinc) at concentrations above typical background levels but below industrial PRGs. Sample B5-5' contained arsenic at 110 mg/kg, which is above generally accepted cleanup concentrations of 8 to 12 mg/kg.

Organochlorine Pesticides – The one and five-foot samples from borings B15 and B16 – drilled in the area of the pesticide storage shed – were analyzed for organochlorine pesticides using EPA Method 8081A. No organochlorine pesticides were detected in these samples.

Groundwater Results

Sample B25-GW was analyzed for TPH-g and TPH-d using EPA Method 8015 modified, and for VOCs using EPA Method 8260B. As shown at the bottom of Table 2, this sample did not contain detectable concentrations of VOCs. Gasoline and diesel range TPH were detected in this sample at 2.34 and 2.59 mg/L (milligrams per liter, equivalent to parts per million), respectively.

CONCLUSIONS AND RECOMMENDATIONS

The findings and conclusion of this report are presented in two approaches, 1) based on the chemicals of potential concern and 2) based on previously identified recognized environmental conditions.

Chemicals of Potential Concern

Hydrocarbons – With the exception of the former kerosene UST area, no obvious signs of hydrocarbon-impacted soil were noted during the field investigation. Excluding the kerosene UST area, 15 soil samples were analyzed from representative areas of the Property. As shown in Table 2, none of these samples contained concentrations of petroleum hydrocarbons above the Los Angeles Regional Water Quality Control Board's (RWQCB) Soil Screening Levels (SSLs).

Kerosene-related hydrocarbons (TPH-g and TPH-d) were detected in the three 10-foot soil samples collected from the borings B24 through B26. TPH and VOC impacts in the area of the former kerosene UST are discussed in the section on recognized environmental conditions below.

VOCs – Thirty soil vapor samples and 13 bulk soil samples were collected and analyzed from areas of potential environmental concern identified on the Property. With the exception of samples from the former 500-gallon kerosene UST area, only trace concentrations of 1,1,1 TCA, PCE, and/or dibromochloromethane were detected in soil vapor or bulk soil samples. Based on our experience with similar sites, concentrations of VOCs in this range are generally not of concern to regulatory agencies, and are not considered a recognized environmental condition for the Property.



Petroleum-related VOCs were detected in the three 10-foot soil samples collected from borings B24 through B26. TPH and VOC impacts in the area of the former kerosene UST are discussed in the section on recognized environmental conditions below.

Metals – Eighteen samples were analyzed from representative areas of the Property as shown in Table 3. The analytical results from these samples can be compared with:

- Health risk based standards: that is, the PRGs
- California waste disposal standards: the Total Threshold Limit Concentrations (TTLCs) and Soluble Threshold Limit Concentrations (STLCs) as defined in Title 22 of the California Code of Regulations
- Federal waste disposal standards: the Toxicity Characteristic Leaching Procedure (TCLP) as identified in the Code of Federal Regulations

Health Risk Standards – Using these criteria, and as shown in Table 3, lead exceeds the industrial PRG for soils in the following areas:

- B5-5' – Car wash area
- B12-1' – Parking lot/suspected fill area
- B14-5' and B14-10' – Parking lot/suspected fill area

And arsenic exceeds the industrial PRG in the following area:

- B5-5' – Car wash area

Soils from these areas should be considered a potential health risk if disturbed in the future.

Waste Disposal Criteria – With regarding to waste disposal criteria, there are three samples (from B5 and B14) shown in Table 3 with concentrations of lead above the TTLC of 1,000 mg/kg. Soils with concentrations detected in these samples would be considered hazardous for the purposes of disposal under California regulations if removal is considered in the future.

Total metals concentrations, which exceed ten times their respective STLC values, may, upon laboratory analysis for the soluble fraction, be found to exceed the STLC and therefore the soils may be considered hazardous for the purposes of disposal under California regulations. Based on sample results for B2-1', B5-5', B9-1', B10-1', B12-1', B14-5', B14-10', and B19-1' soils in these areas may (upon further laboratory analysis) contain one or more metals at concentrations that would classify them as hazardous for the purposes of disposal under California regulations.

Further, metals concentrations, which exceed twenty times their respective TCLP values, may, upon laboratory analysis for the soluble fraction, be found to exceed the TCLP and therefore be



considered hazardous for the purposes of disposal under Federal regulations. Based on samples B2-1' and B5-5' soils in these areas may (upon further laboratory analysis) contain one or more metals at concentrations that would classify these soils as hazardous for the purposes of disposal under Federal regulations.

If soils are excavated from these areas, they should be tested in order to determine appropriate disposal options/requirements.

Organochlorine Pesticides – No organochlorine pesticides were detected in the samples analyzed. Based on these results, no impact to the Property is anticipated from organochlorine pesticides.

Recognized Environmental Conditions

As previously discussed, the Phase I Environmental Assessment identified the following recognized environmental conditions for the Property:

Fill Material – Debris from the 1933 earthquake may have been placed on the western portion of the Property. This material may contain asbestos, lead-based paint, or other substances of potential environmental concern. Known and suspected fill materials were encountered, especially in the elevated areas of the Property as shown in Figures 2A and 2B. Borings in the fill areas encountered red brick; no signs of other types of building debris or materials, which may contain asbestos, were noted.

As discussed above, there were no indications in the laboratory results from soil samples of elevated concentrations of VOCs, hydrocarbons, or organochlorine pesticides in fill areas. However, as previously discussed, lead and arsenic were detected in fill soils at concentrations that may be a potential risk to human health, or require special consideration (i.e., additional testing and characterization) prior to removal and/or disposal.

Former 500-gallon Kerosene UST – This UST was removed in July 1988 from the northeastern corner of the Property. One under-tank soil sample collected at that time contained 16,000 parts per million of hydrocarbons. Although no evidence of remediation was available, this UST received a “no further action” letter on March 25, 1999 from the City of Long Beach Environmental Health Underground Tank Program.

During the present investigation, kerosene-related hydrocarbons were detected in soils from the 10-foot depth in this area. The Los Angeles Regional Water Quality Control Board (RWQCB) has established cleanup guidelines, also known as soil screening levels (SSLs), for hydrocarbon-impacted soils based on the potential for groundwater contamination. Where groundwater is anticipated at less than 20 feet bgs (groundwater is at about 10 feet bgs at the Property), the SSLs are 100 mg/kg for hydrocarbons in the gasoline or C₄-C₁₂ range, 100 mg/kg for hydrocarbons in the diesel or C₁₃-C₂₂ range, and 1,000 mg/kg for hydrocarbons in the heavy or C₂₃-C₃₂ range. The concentrations of TPH-g (760 to 4,000 mg/kg) and TPH-d (465 to 2,570 mg/kg) in the 10-foot samples from borings B24 through B26 are above the RWQCB's SSLs.



The VOCs detected in these same samples (n-propylbenzene, sec-butylbenzene, naphthalene, etc.) are consistent with a release of kerosene in this area. In addition, naphthalene was detected in one sample (B26-10' at 15,000 mg/kg) at a concentration above its industrial PRG of 4,200 mg/kg.

A groundwater sample collected from boring B25, which appeared to be located in a “worst-case” area near the former UST, did not contain detectable concentrations of VOCs. Traces of TPH-g and TPH-d were detected in the groundwater samples collected from this boring. There are no regulatory limits with respect to various fractions of hydrocarbons in groundwater. Based on our experience with similar sites, the traces of TPH-g and TPH-d detected in groundwater would not warrant remediation by regulatory agencies.

The former kerosene UST has received a “no further action” letter from the City of Long Beach. Although some soil samples were found contain petroleum hydrocarbons above generally applicable regulatory standards, the data from this investigation indicates that there has been no significant impact to groundwater, and there is no significant threat of an impact to groundwater. However, any future redevelopment in this area may encounter hydrocarbon-impacted soils. As a part of the redevelopment, it may be prudent to remove the impacted soil when access is available.

Historic Operations – Releases of waste oils, various pesticides, chemicals, paint and solvents, may have resulted from historical operations on the Property, where chemicals were used and stored. As discussed in this report, impacted soils were identified in the areas of the former kerosene UST, fill soils, streetlight crushing area, and car wash clarifier. None of the other areas – including the various chemical storage areas, paint shop, chemical lab, and machine shop – appear to have resulted in any significant environmental impact to the Property.

Streetlight Bulb Crushing/Disposal Areas – A streetlight bulb crushing/disposal operations were conducted in two areas of the Property. Soil testing for metals in the one-foot samples from B2, B3, and B13 was conducted to assess the potential for contamination from these operations. Metals concentrations in B3 and B13 appeared to be typical of California soils.

The analytical results for boring B2 show concentrations of barium, zinc and lead above typical background levels; additional investigation of the area of this boring may be warranted prior to excavation and/or removal of soil.

Current Gasoline and Diesel USTs – Soil gas samples (SG6 through SG9) collected and analyzed from around the current gasoline and diesel USTs did not detect any concentrations of fuel-related constituents. Based on these results, there is no evidence of significant impact to the Property from these current USTs. Further investigation is not recommended at this time.

Clarifiers – Soil gas and bulk soil samples were collected in the areas of the paint disposal and car wash clarifiers. VOCs were not detected in soil (B4-10') and soil gas samples (SG3)



collected and analyzed from the area of the paint clarifier. Based on these results, no significant environmental impact to the Property is anticipated from the Paint Clarifier.

Soil gas samples (SG4 through SG6) in the area of the car wash clarifier did not contain detectable concentrations of VOCs. A soil sample from five feet bgs in boring B5 did not contain detectable concentrations of TPH. However, sample B5-5' contained elevated concentrations of metals, including arsenic, chromium, copper, lead, nickel and zinc. The car wash area, including the clarifier, appears to have been renovated in the last several years. The source of the metals in soil is unknown; they may be related to historic operations in this area, or to fill soils (the area is topographically elevated with respect to the area to the east).

Additional investigation and remediation for metals is recommended prior to any redevelopment of this area of the Property.

Groundwater Monitoring Wells – Three groundwater monitoring wells reportedly installed on or adjacent to the Property could not be located, and are presumed to have been appropriately destroyed. No further investigation with respect to these wells is recommended.

FIGURES

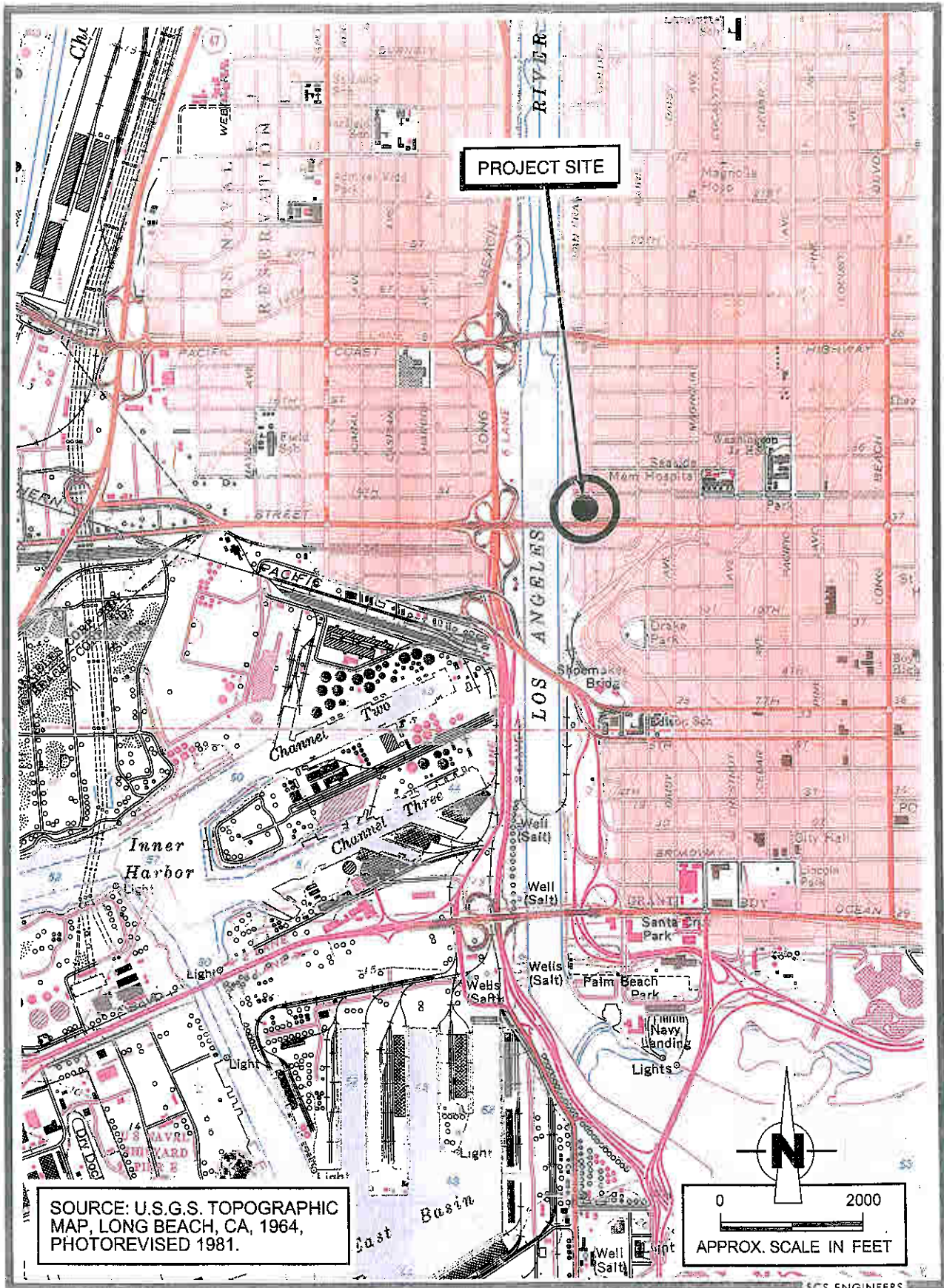


Figure 1. Project Site Location.

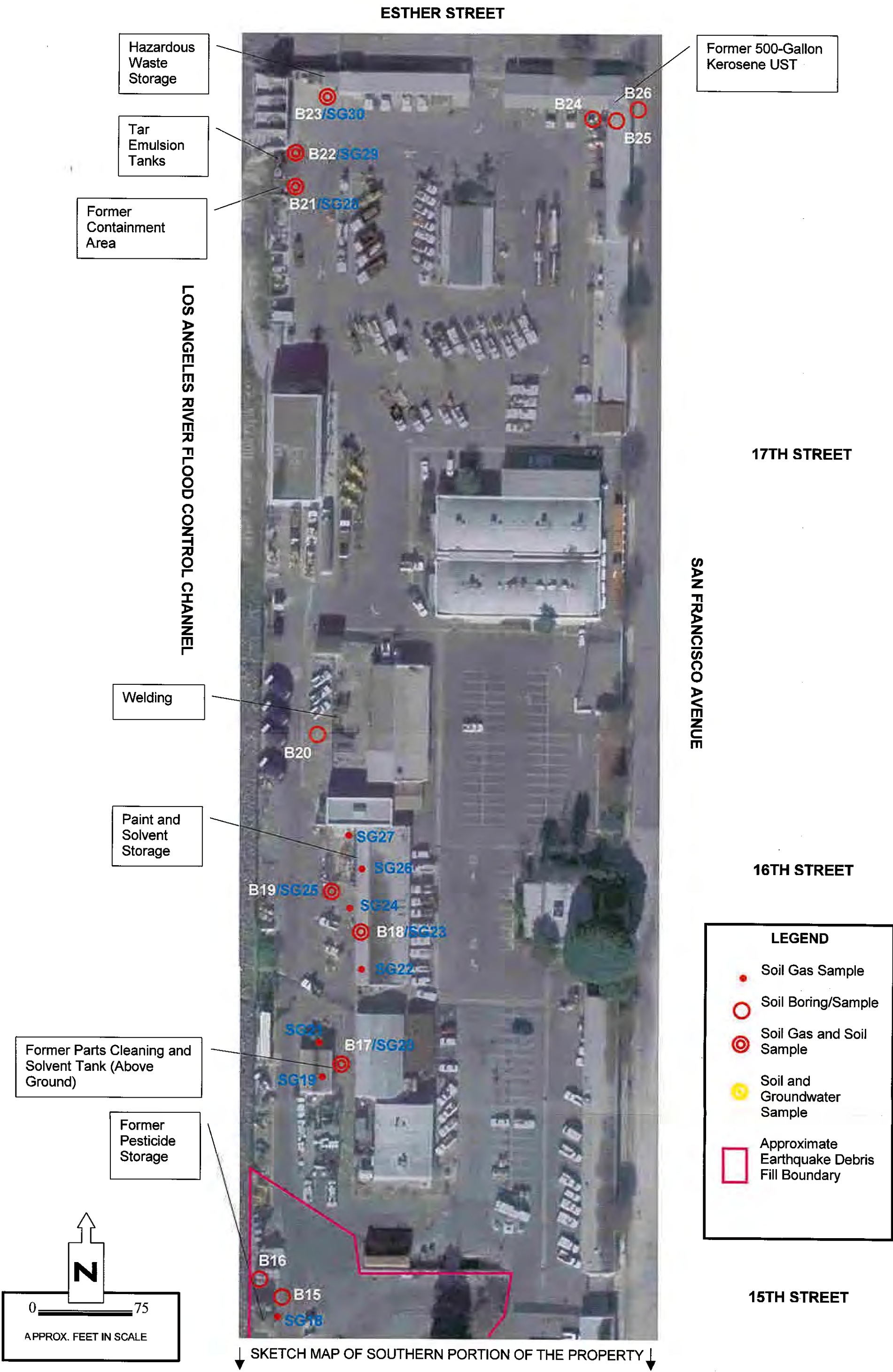


Figure 2A. Aerial Photograph of Northern Portion of the Property Showing Boring Locations

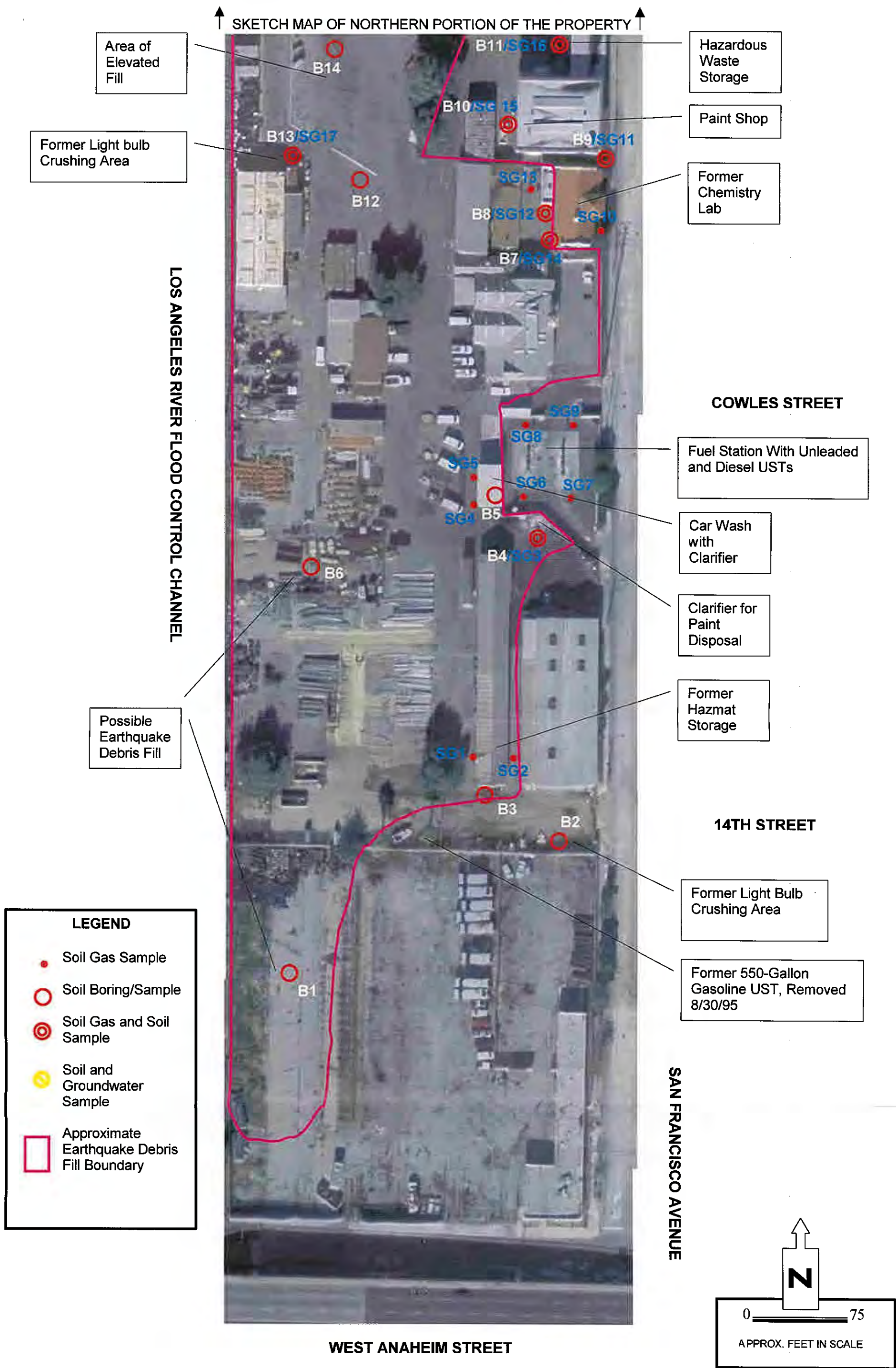


Figure 2B. Aerial Photograph of Southern Portion of the Property Showing Boring Locations

TABLES

TABLE 1
SUMMARY OF ANALYTICAL RESULTS FOR SOIL GAS SURVEY
LONG BEACH PUBLIC SERVICE YARD
1601 SAN FRANCISCO AVENUE, LONG BEACH, CALIFORNIA

Sample Number (or Boring ID)	Sample Depth (feet bgs)	Sampling Date	VOLATILE ORGANIC COMPOUNDS (VOCs) (By GC/MS Using EPA Method 8260B)	
			1,1,1 TCA (1,1,1-Trichloroethane)	PCE (Tetrachloroethene)
			micrograms per liter (µg/L)	
SG1	5	June 20, 2005	<1.0	<1.0
SG2	5		<1.0	<1.0
SG3	5		<1.0	<1.0
SG4	5		<1.0	<1.0
SG5	5		<1.0	<1.0
SG6	5		<1.0	<1.0
SG7	5		<1.0	<1.0
SG8	5		<1.0	<1.0
SG9	5		<1.0	<1.0
SG9 (duplicate)	5		<1.0	<1.0
SG10	5		<1.0	<1.0
SG11	5		<1.0	<1.0
SG12	5		2.6	<1.0
SG13	5		<1.0	<1.0
SG14	5		<1.0	<1.0
SG15	5		<1.0	<1.0
SG16	5		<1.0	<1.0
SG17	5		<1.0	<1.0
SG18	5	June 21, 2005	<1.0	<1.0
SG19	5		<1.0	<1.0
SG20	5		<1.0	<1.0
SG20 (duplicate)	5		<1.0	<1.0
SG21	5		<1.0	<1.0
SG22	5		<1.0	5.9
SG23	5		<1.0	1.7
SG24	5		<1.0	1.7
SG25	5		<1.0	<1.0
SG26	5		<1.0	<1.0
SG27	5		<1.0	<1.0
SG28	5		<1.0	<1.0
SG29	5		<1.0	<1.0
SG30	5		<1.0	<1.0

Notes:

1) bgs = below ground surface

TABLE 2
SUMMARY OF ANALYTICAL RESULTS FOR PETROLEUM HYDROCARBONS, VOLATILE ORGANIC COMPOUNDS, AND PESTICIDES
LONG BEACH PUBLIC SERVICE YARD
1601 SAN FRANCISCO AVENUE, LONG BEACH, CALIFORNIA

Sample Number (or Boring ID)	Sample Depth (feet bgs)	Sampling Date	Total Petroleum Hydrocarbons (TPH) [EPA Method 8015B(M)]			VOLATILE ORGANIC COMPOUNDS (VOCs) (EPA Method 5035/8260B)							ORGANO- CHLORINE PESTICIDES (EPA Method 8081A)
			Gasoline Range (C ₄ -C ₁₂)	Diesel Range (C ₁₃ -C ₂₂)	Heavy Hydocarbon Range (C ₂₃ -C ₄₀)	1,1,1-Trichloroethane	Dibromochloromethane	n-Propylbenzene	sec-Butylbenzene	Isopropylbenzene	Naphthalene	tert-Butylbenzene	
milligrams per kilogram (mg/kg), equivalent to parts per million						micrograms per kilogram (µg/kg), equivalent to parts per billion							
B4	10	6/20/05	--	--	--	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	--
B5	5		<1.0	<10	<10	--	--	--	--	--	--	--	--
B6	10		<41	<10	<10	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	--
B7	5		<45	<10	<10	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	--
B8	5		<38	<10	<10	4.9	4.3	<4.4	<4.4	<4.4	<4.4	<4.4	--
B9	1		<1.0	<10	103	--	--	--	--	--	--	--	--
B12	5		<41	<10	104	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	--
B14	5		<1.0	<10	<10	--	--	--	--	--	--	--	--
	10		<1.0	<10	<10	--	--	--	--	--	--	--	--
B15	1		--	--	--	--	--	--	--	--	--	--	ND
	5		--	--	--	--	--	--	--	--	--	--	ND
B16	1		--	--	--	--	--	--	--	--	--	--	ND
	5		--	--	--	--	--	--	--	--	--	--	ND
B18	1		<1.0	<10	<10	--	--	--	--	--	--	--	--
B19	1		<1.0	12	180	--	--	--	--	--	--	--	--
	5		<1.0	<10	<10	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	--
B21	5	<1.0	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	--	
B22	1	<1.0	<10	<10	--	--	--	--	--	--	--	--	
	5	<1.0	<10	<10	--	--	--	--	--	--	--	--	
B23	1	<1.0	<10	<10	--	--	--	--	--	--	--	--	
	5	--	--	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	--	
B24	5	<1.0	<10	<10	--	--	--	--	--	--	--	--	
	10	3,090	2,140	58	<250	<250	310	1,000	<250	<250	<250	--	
B25	1	<1.0	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	--	
	5	<1.0	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	--	
	10	760	465	13	<250	<250	1,300	1,300	520	2,500	<250	--	
B26	5	<1.0	<10	<10	--	--	--	--	--	--	--	--	
	10	4,000	2,570	<50	<250	<250	17,000	12,000	8,200	15,000	630	--	
RWQCB SSLs (<20 feet above groundwater)			100	100	1,000	--	--	--	--	--	--	--	--
Residential PRG ²			--	--	--	1,200,000	1,100	240,000	220,000	570,000	1,700*	390,000	--
Industrial PRG ²			--	--	--	1,200,000	2,600	240,000	220,000	2,000,000	4,200*	390,000	--
Groudwater Sample													
			milligrams per liter (mg/L)			micrograms per liter (µg/L)							
B25-GW	12	6/21/05	2.34	2.59	<0.20	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	--

1) bgs = below ground surface

2) US EPA Region 9 or California-modified (where available) Preliminary Remediation Goals (PRGs) for Residential and Industrial Soils, October 2004 (<http://www.epa.gov/region09/waste/sfund/prg/files/04prgtable.pdf>).

3) * = California Modified PRG

4) -- = Not Applicable or Not Analyzed

5) ND = None Detected

TABLE 3
SUMMARY OF ANALYTICAL RESULTS FOR METALS
LONG BEACH PUBLIC SERVICE YARD
1601 SAN FRANCISCO AVENUE, LONG BEACH CALIFORNIA

Sample (or Boring) ID	Sample Depth (feet bgs)	Sampling Date	Title 22 Metals (EPA Method 6010B, except Mercury by EPA Method 7471A)																	
			Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	
			milligrams per kilogram (mg/kg), equivalent to parts per million																	
B1	5	6/21/05	<2.0	1.8	95	<1.0	<1.0	11	5.7	11	14	<0.10	<1.0	7	1.1	<1.0	<1.0	21	82	
B2	1	6/20/05	<2.0	2.8	1,900	<1.0	1.6	9.3	2.8	6.9	78	0.34	<1.0	6.4	1.2	<1.0	<1.0	17	1,200	
B3	1		<2.0	<1.0	69	<1.0	<1.0	14	7	12	24	<0.10	<1.0	17	1.3	<1.0	<1.0	26	110	
B5	5		15	110	430	<1.0	5.6	62	13	920	2,400	0.22	<1.0	59	1.2	<1.0	<1.0	3	3,400	
B8	5		<2.0	3.2	160	<1.0	<1.0	23	14	43	18	0.15	<1.0	18	1.2	<1.0	<1.0	49	93	
B9	1		<2.0	6.5	210	<1.0	<1.0	27	14	120	130	0.19	<1.0	22	1.6	<1.0	<1.0	48	280	
B10	1	6/21/05	<2.0	1.1	170	<1.0	<1.0	21	11	50	110	0.23	<1.0	21	2	<1.0	<1.0	37	300	
B11	1	6/20/05	<2.0	1.3	120	<1.0	<1.0	19	11	24	5.8	<0.10	<1.0	15	1.5	<1.0	<1.0	38	51	
B12	1		<2.0	4.8	380	<1.0	4.0	56	9.6	390	990	0.36	<1.0	44	<1.0	<1.0	<1.0	11	1,400	
B13	1		<2.0	2.3	110	<1.0	<1.0	11	4.8	14	48	0.15	<1.0	7.7	1.8	<1.0	<1.0	23	93	
B14	1		<2.0	1.0	130	<1.0	<1.0	13	6.8	12	8.8	0.10	<1.0	8.9	1.3	<1.0	<1.0	26	47	
	5		<2.0	2.4	620	<1.0	2.3	21	5.7	97	1,100	0.11	<1.0	18	1.3	<1.0	<1.0	14	590	
	10	<2.0	<1.0	360	<1.0	1.0	20	10	83	1,300	0.19	<1.0	14	1.9	<1.0	<1.0	33	290		
B18	1	6/21/05	<2.0	7.4	160	<1.0	<1.0	27	15	52	15	0.21	<1.0	21	1.9	<1.0	<1.0	54	77	
B19	1	6/20/05	<2.0	2.6	96	<1.0	<1.0	13	7.4	28	150	<0.10	<1.0	12	1.8	<1.0	<1.0	26	97	
	5		<2.0	1.5	110	<1.0	<1.0	17	9.9	22	5.2	<0.10	<1.0	14	2.4	<1.0	<1.0	38	43	
B21	1		<2.0	1.8	130	<1.0	<1.0	20	12	23	6.3	<0.10	<1.0	15	2.2	<1.0	<1.0	41	54	
B23	1		<2.0	2.8	150	<1.0	<1.0	21	12	28	21	<0.10	<1.0	17	2.1	<1.0	<1.0	42	81	
Typical Range for CA Soils*			0.15-1.95	0.6-11	133-1,400	0.25-2.7	0.05-1.7	23-1579	2.7-46.9	9.1-96.4	12.4-97.1	0.1-0.9	0.1-9.6	9-509	0.015-0.430	0.1-8.3	0.17-1.1	39-288	88-236	
Health Risk Criteria																				
Residential PRG			31	0.062	5,400	150	37	210±	900	3,100	150	23	390	1,600	390	390	5.2	78	23,000	
Industrial PRG			410	0.25	67,000	1,900	450	450±	1,900	41,000	800	310	5,100	20,000	5,100	5,100	67	1,000	100,000	
Waste Disposal Criteria																				
TTL			500	500	10,000	75	100	2,500	8,000	2,500	1,000	20	3,500	2,000	100	500	700	2,400	5,000	
STLC**			15	5	100	0.75	1	5	80	25	5	0.2	350	20	1	5	7	24	250	
TCLP**			NA	5	100	NA	1	5	NA	NA	5	0.2	NA	NA	1.0	5	NA	NA	NA	

Notes:

1) bgs = below ground surface

2) * Bradford, G.R., Chang, A.C., Page, A.L., Bakhtar, D., Fampton, J.A., and Wright, H., 1996, *Background Concentrations of Trace and Major Elements in California Soils*, Kearney Foundation of Soil Science Special Report, Division of Agriculture and Natural Resources, University of California.

3) ** - Values in milligrams per liter (mg/L)

4) ± - Value for total chromium (assumes 1:6 ratio of Cr VI:Cr III)

5) Residential PRG = US EPA Region 9 or California-modified (where available) Preliminary Remediation Goal for Residential Soils, October 2004 (<http://www.epa.gov/region09/waste/sfund/prg/files/04prgtable.pdf>).

6) Industrial PRG = US EPA Region 9 or California-modified (where available) Preliminary Remediation Goal for Industrial Soils, October 2004 (<http://www.epa.gov/region09/waste/sfund/prg/files/04prgtable.pdf>).

7) TTL = Total Threshold Limit Concentration as identified in Title 22 of the California Code of Regulations. Wastes with concentrations above this value are considered hazardous for the purposes of disposal under California regulations.

8) STL = Soluble Threshold Limit Concentration, in mg/L, as identified in Title 22 of the California Code of Regulations. A concentration of ten times the STL is sometimes used as a trigger to conduct further analysis (i.e., the soluble analysis) of a sample to determine disposal requirements. Wastes with soluble concentrations above this value are considered hazardous for the purposes of disposal under California regulations.

9) TCL = Toxicity Characteristic Leaching Procedure concentration, in mg/L, as identified in the Code of Federal Regulations. Wastes with soluble concentrations above this value are considered hazardous for the purposes of disposal under federal regulations.

APPENDIX A

**H&P MOBILE GEOCHEMISTRY LABORATORY REPORT
FOR SOIL VAPOR SAMPLES**





29 June 2005

Mr. Kevin Green
SCS Engineers Environmental Consultants
3900 Kilroy Airport Way, Suite 100
Long Beach, CA 90806-6816
RE: SCS062005-SB2

Enclosed are the results of analyses for samples received by the laboratory on 6/20/2005 -6/21/2005 . If you have any questions concerning this report, please feel free to contact me.

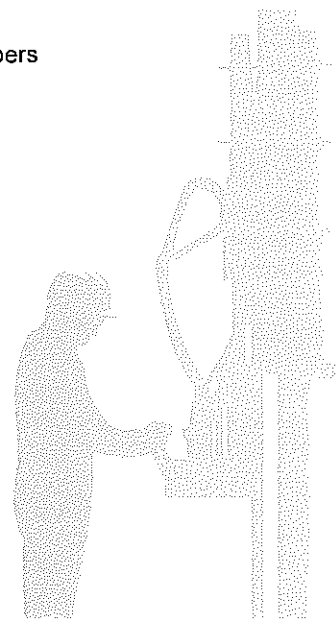
Sincerely,

Debby Slama
for

Tamara Davis
Laboratory Director

H&P Mobile Geochemistry mobile labs operate under CA Environmental Lab Accreditation Program Numbers 1561, 2088, 2278 and 2530.

432 North Cedros Avenue, Solana Beach, California 92075 | 858 793.0401 — Fax 858 793.0404
148 South Vinewood Street, Escondido, California 92029 | 760 735.3208 — Fax 760.735.2469
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SCS Engineers Environmental Consultants
3900 Kilroy Airport Way, Suite 100
Long Beach CA, 90806-6816

Project: SCS062005-SB2
Project Number: 01204007.02; 1601 San Francisco Ave.
Project Manager: Mr. Kevin Green

Reported:
29-Jun-05

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SG1-5, PV84cc	C506010-01	Vapor	20-Jun-05	20-Jun-05
SG2-5, PV84cc	C506010-02	Vapor	20-Jun-05	20-Jun-05
SG3-5, PV84cc	C506010-03	Vapor	20-Jun-05	20-Jun-05
SG4-5, PV84cc	C506010-04	Vapor	20-Jun-05	20-Jun-05
SG5-5, PV84cc	C506010-05	Vapor	20-Jun-05	20-Jun-05
SG8-5, PV84cc	C506010-06	Vapor	20-Jun-05	20-Jun-05
SG6-5, PV84cc	C506010-07	Vapor	20-Jun-05	20-Jun-05
SG7-5, PV84cc	C506010-08	Vapor	20-Jun-05	20-Jun-05
SG9-5, PV84cc	C506010-09	Vapor	20-Jun-05	20-Jun-05
SG9-5, PV144cc Duplicate	C506010-10	Vapor	20-Jun-05	20-Jun-05
SG17-5, PV84cc	C506010-11	Vapor	20-Jun-05	20-Jun-05
SG15-5, PV84cc	C506010-12	Vapor	20-Jun-05	20-Jun-05
SG16-5, PV84cc	C506010-13	Vapor	20-Jun-05	20-Jun-05
SG11-5, PV84cc	C506010-14	Vapor	20-Jun-05	20-Jun-05
SG10-5, PV84cc	C506010-15	Vapor	20-Jun-05	20-Jun-05
SG13-5, PV84cc	C506010-16	Vapor	20-Jun-05	20-Jun-05
SG12-5, PV84cc	C506010-17	Vapor	20-Jun-05	20-Jun-05
SG14-5, PV84cc	C506010-18	Vapor	20-Jun-05	20-Jun-05
SG21-5, PV84cc	C506011-01	Vapor	21-Jun-05	21-Jun-05
SG20-5, PV84cc	C506011-02	Vapor	21-Jun-05	21-Jun-05
SG20-5, PV144cc Duplicate	C506011-03	Vapor	21-Jun-05	21-Jun-05
SG19-5, PV84cc	C506011-04	Vapor	21-Jun-05	21-Jun-05
SG18-5, PV84cc	C506011-05	Vapor	21-Jun-05	21-Jun-05
SG25-5, PV84cc	C506011-06	Vapor	21-Jun-05	21-Jun-05
SG23-5, PV21cc	C506011-07	Vapor	21-Jun-05	21-Jun-05
SG22-5, PV21cc	C506011-08	Vapor	21-Jun-05	21-Jun-05



SCS Engineers Environmental Consultants
3900 Kilroy Airport Way, Suite 100
Long Beach CA, 90806-6816

Project: SCS062005-SB2
Project Number: 01204007.02; 1601 San Francisco Ave.
Project Manager: Mr. Kevin Green

Reported:
29-Jun-05

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SG26-5, PV21cc	C506011-09	Vapor	21-Jun-05	21-Jun-05
SG24-5, PV84cc	C506011-10	Vapor	21-Jun-05	21-Jun-05
SG27-5, PV84cc	C506011-11	Vapor	21-Jun-05	21-Jun-05
SG28-5, PV84cc	C506011-12	Vapor	21-Jun-05	21-Jun-05
SG29-5, PV84cc	C506011-13	Vapor	21-Jun-05	21-Jun-05
SG30-5, PV84cc	C506011-14	Vapor	21-Jun-05	21-Jun-05



SCS Engineers Environmental Consultants
3900 Kilroy Airport Way, Suite 100
Long Beach CA, 90806-6816

Project: SCS062005-SB2
Project Number: 01204007.02; 1601 San Francisco Ave.
Project Manager: Mr. Kevin Green

Reported:
29-Jun-05

Volatile Organic Compounds by EPA Method 8260B
Lab SB2

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG1-5, PV84cc (C506010-01) Vapor Sampled: 20-Jun-05 Received: 20-Jun-05									
Dichlorodifluoromethane	ND	1	ug/l	0.05	CF52001	20-Jun-05	20-Jun-05	EPA 8260B	
Vinyl chloride	ND	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	ND	1	"	"	"	"	"	"	
Toluene	ND	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	ND	1	"	"	"	"	"	"	
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		97.2 %	75-125		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		92.8 %	75-125		"	"	"	"	
Surrogate: Toluene-d8		92.4 %	75-125		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		105 %	75-125		"	"	"	"	



SCS Engineers Environmental Consultants
3900 Kilroy Airport Way, Suite 100
Long Beach CA, 90806-6816

Project: SCS062005-SB2
Project Number: 01204007.02; 1601 San Francisco Ave.
Project Manager: Mr. Kevin Green

Reported:
29-Jun-05

Volatile Organic Compounds by EPA Method 8260B

Lab SB2

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG2-5, PV84cc (C506010-02) Vapor Sampled: 20-Jun-05 Received: 20-Jun-05									
Dichlorodifluoromethane	ND	1	ug/l	0.05	CF52001	20-Jun-05	20-Jun-05	EPA 8260B	
Vinyl chloride	ND	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	ND	1	"	"	"	"	"	"	
Toluene	ND	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	ND	1	"	"	"	"	"	"	
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		96.8 %	75-125		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		98.0 %	75-125		"	"	"	"	
Surrogate: Toluene-d8		93.2 %	75-125		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		101 %	75-125		"	"	"	"	



SCS Engineers Environmental Consultants
3900 Kilroy Airport Way, Suite 100
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Project: SCS062005-SB2
Project Number: 01204007.02; 1601 San Francisco Ave.
Project Manager: Mr. Kevin Green

Reported:
29-Jun-05

Volatile Organic Compounds by EPA Method 8260B Lab SB2

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG3-5, PV84cc (C506010-03) Vapor Sampled: 20-Jun-05 Received: 20-Jun-05									
Dichlorodifluoromethane	ND	1	ug/l	0.05	CF52001	20-Jun-05	20-Jun-05	EPA 8260B	
Vinyl chloride	ND	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	ND	1	"	"	"	"	"	"	
Toluene	ND	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	ND	1	"	"	"	"	"	"	
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		98.0 %	75-125		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		93.2 %	75-125		"	"	"	"	
Surrogate: Toluene-d8		94.4 %	75-125		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		102 %	75-125		"	"	"	"	



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Project: SCS062005-SB2
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Reported:
29-Jun-05

Volatile Organic Compounds by EPA Method 8260B Lab SB2

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG4-5, PV84cc (C506010-04) Vapor Sampled: 20-Jun-05 Received: 20-Jun-05									
Dichlorodifluoromethane	ND	1	ug/l	0.05	CF52001	20-Jun-05	20-Jun-05	EPA 8260B	
Vinyl chloride	ND	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	ND	1	"	"	"	"	"	"	
Toluene	ND	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	ND	1	"	"	"	"	"	"	
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		92.4 %	75-125		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		86.8 %	75-125		"	"	"	"	
Surrogate: Toluene-d8		92.8 %	75-125		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		98.0 %	75-125		"	"	"	"	



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Project: SCS062005-SB2
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Reported:
29-Jun-05

Volatile Organic Compounds by EPA Method 8260B Lab SB2

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG5-5, PV84cc (C506010-05) Vapor Sampled: 20-Jun-05 Received: 20-Jun-05									
Dichlorodifluoromethane	ND	1	ug/l	0.05	CF52001	20-Jun-05	20-Jun-05	EPA 8260B	
Vinyl chloride	ND	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	ND	1	"	"	"	"	"	"	
Toluene	ND	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	ND	1	"	"	"	"	"	"	
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		92.0 %	75-125		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		86.0 %	75-125		"	"	"	"	
Surrogate: Toluene-d8		93.2 %	75-125		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		94.8 %	75-125		"	"	"	"	



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Reported:
29-Jun-05

Volatile Organic Compounds by EPA Method 8260B

Lab SB2

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG8-5, PV84cc (C506010-06) Vapor Sampled: 20-Jun-05 Received: 20-Jun-05									
Dichlorodifluoromethane	ND	1	ug/l	0.05	CF52001	20-Jun-05	20-Jun-05	EPA 8260B	
Vinyl chloride	ND	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	ND	1	"	"	"	"	"	"	
Toluene	ND	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	ND	1	"	"	"	"	"	"	
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		96.4 %	75-125		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		94.0 %	75-125		"	"	"	"	
Surrogate: Toluene-d8		94.0 %	75-125		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		99.2 %	75-125		"	"	"	"	



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Reported:
29-Jun-05

Volatile Organic Compounds by EPA Method 8260B Lab SB2

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG6-5, PV84cc (C506010-07) Vapor Sampled: 20-Jun-05 Received: 20-Jun-05									
Dichlorodifluoromethane	ND	1	ug/l	0.05	CF52001	20-Jun-05	20-Jun-05	EPA 8260B	
Vinyl chloride	ND	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	ND	1	"	"	"	"	"	"	
Toluene	ND	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	ND	1	"	"	"	"	"	"	
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		95.2 %	75-125		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		89.2 %	75-125		"	"	"	"	
Surrogate: Toluene-d8		93.2 %	75-125		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		92.8 %	75-125		"	"	"	"	



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Reported:
29-Jun-05

Volatile Organic Compounds by EPA Method 8260B Lab SB2

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG7-5, PV84cc (C506010-08) Vapor Sampled: 20-Jun-05 Received: 20-Jun-05									
Dichlorodifluoromethane	ND	1	ug/l	0.05	CF52001	20-Jun-05	20-Jun-05	EPA 8260B	
Vinyl chloride	ND	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	ND	1	"	"	"	"	"	"	
Toluene	ND	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	ND	1	"	"	"	"	"	"	
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		92.4 %	75-125		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		90.0 %	75-125		"	"	"	"	
Surrogate: Toluene-d8		92.8 %	75-125		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		95.6 %	75-125		"	"	"	"	



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29-Jun-05

Volatile Organic Compounds by EPA Method 8260B

Lab SB2

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG9-5, PV84cc (C506010-09) Vapor Sampled: 20-Jun-05 Received: 20-Jun-05									
Dichlorodifluoromethane	ND	1	ug/l	0.05	CF52001	20-Jun-05	20-Jun-05	EPA 8260B	
Vinyl chloride	ND	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	ND	1	"	"	"	"	"	"	
Toluene	ND	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	ND	1	"	"	"	"	"	"	
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		96.4 %	75-125		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		104 %	75-125		"	"	"	"	
Surrogate: Toluene-d8		94.0 %	75-125		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		105 %	75-125		"	"	"	"	



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Reported:
29-Jun-05

Volatile Organic Compounds by EPA Method 8260B Lab SB2

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG9-5, PV144cc Duplicate (C506010-10) Vapor Sampled: 20-Jun-05 Received: 20-Jun-05									
Dichlorodifluoromethane	ND	1	ug/l	0.05	CF52001	20-Jun-05	20-Jun-05	EPA 8260B	
Vinyl chloride	ND	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	ND	1	"	"	"	"	"	"	
Toluene	ND	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	ND	1	"	"	"	"	"	"	
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		97.6 %	75-125		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		101 %	75-125		"	"	"	"	
Surrogate: Toluene-d8		90.0 %	75-125		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		98.0 %	75-125		"	"	"	"	



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Reported:
29-Jun-05

Volatile Organic Compounds by EPA Method 8260B **Lab SB2**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG17-5, PV84cc (C506010-11) Vapor Sampled: 20-Jun-05 Received: 20-Jun-05									
Dichlorodifluoromethane	ND	1	ug/l	0.05	CF52001	20-Jun-05	20-Jun-05	EPA 8260B	
Vinyl chloride	ND	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	ND	1	"	"	"	"	"	"	
Toluene	ND	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	ND	1	"	"	"	"	"	"	
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		96.8 %	75-125		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		102 %	75-125		"	"	"	"	
Surrogate: Toluene-d8		94.0 %	75-125		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		100 %	75-125		"	"	"	"	



SCS Engineers Environmental Consultants
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Project: SCS062005-SB2
Project Number: 01204007.02; 1601 San Francisco Ave.
Project Manager: Mr. Kevin Green

Reported:
29-Jun-05

Volatile Organic Compounds by EPA Method 8260B Lab SB2

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG15-5, PV84cc (C506010-12) Vapor Sampled: 20-Jun-05 Received: 20-Jun-05									
Dichlorodifluoromethane	ND	1	ug/l	0.05	CF52001	20-Jun-05	20-Jun-05	EPA 8260B	
Vinyl chloride	ND	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	ND	1	"	"	"	"	"	"	
Toluene	ND	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	ND	1	"	"	"	"	"	"	
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		101 %	75-125		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		107 %	75-125		"	"	"	"	
Surrogate: Toluene-d8		95.6 %	75-125		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		103 %	75-125		"	"	"	"	



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Reported:
29-Jun-05

Volatile Organic Compounds by EPA Method 8260B
Lab SB2

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG16-5, PV84cc (C506010-13) Vapor Sampled: 20-Jun-05 Received: 20-Jun-05									
Dichlorodifluoromethane	ND	1	ug/l	0.05	CF52001	20-Jun-05	20-Jun-05	EPA 8260B	
Vinyl chloride	ND	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	ND	1	"	"	"	"	"	"	
Toluene	ND	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	ND	1	"	"	"	"	"	"	
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		96.4 %	75-125		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		97.2 %	75-125		"	"	"	"	
Surrogate: Toluene-d8		94.4 %	75-125		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		98.8 %	75-125		"	"	"	"	



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Reported:
29-Jun-05

Volatile Organic Compounds by EPA Method 8260B

Lab SB2

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG11-5, PV84cc (C506010-14) Vapor Sampled: 20-Jun-05 Received: 20-Jun-05									
Dichlorodifluoromethane	ND	1	ug/l	0.05	CF52001	20-Jun-05	20-Jun-05	EPA 8260B	
Vinyl chloride	ND	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	ND	1	"	"	"	"	"	"	
Toluene	ND	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	ND	1	"	"	"	"	"	"	
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		92.4 %	75-125		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		91.6 %	75-125		"	"	"	"	
Surrogate: Toluene-d8		93.2 %	75-125		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		96.4 %	75-125		"	"	"	"	



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29-Jun-05

Volatile Organic Compounds by EPA Method 8260B Lab SB2

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG10-5, PV84cc (C506010-15) Vapor Sampled: 20-Jun-05 Received: 20-Jun-05									
Dichlorodifluoromethane	ND	1	ug/l	0.05	CF52001	20-Jun-05	20-Jun-05	EPA 8260B	
Vinyl chloride	ND	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	ND	1	"	"	"	"	"	"	
Toluene	ND	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	ND	1	"	"	"	"	"	"	
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		90.4 %	75-125		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		86.4 %	75-125		"	"	"	"	
Surrogate: Toluene-d8		94.4 %	75-125		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		96.8 %	75-125		"	"	"	"	



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29-Jun-05

Volatile Organic Compounds by EPA Method 8260B **Lab SB2**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG13-5, PV84cc (C506010-16) Vapor Sampled: 20-Jun-05 Received: 20-Jun-05									
Dichlorodifluoromethane	ND	1	ug/l	0.05	CF52001	20-Jun-05	20-Jun-05	EPA 8260B	
Vinyl chloride	ND	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	ND	1	"	"	"	"	"	"	
Toluene	ND	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	ND	1	"	"	"	"	"	"	
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		92.8 %	75-125		"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		92.0 %	75-125		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		93.6 %	75-125		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		96.0 %	75-125		"	"	"	"	



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29-Jun-05

Volatile Organic Compounds by EPA Method 8260B
Lab SB2

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG12-5, PV84cc (C506010-17) Vapor Sampled: 20-Jun-05 Received: 20-Jun-05									
Dichlorodifluoromethane	ND	1	ug/l	0.05	CF52001	20-Jun-05	20-Jun-05	EPA 8260B	
Vinyl chloride	ND	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	2.6	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	ND	1	"	"	"	"	"	"	
Toluene	ND	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	ND	1	"	"	"	"	"	"	
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		94.4 %	75-125		"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		90.4 %	75-125		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		95.6 %	75-125		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		99.6 %	75-125		"	"	"	"	



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Project: SCS062005-SB2
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29-Jun-05

Volatile Organic Compounds by EPA Method 8260B
Lab SB2

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG14-5, PV84cc (C506010-18) Vapor Sampled: 20-Jun-05 Received: 20-Jun-05									
Dichlorodifluoromethane	ND	1	ug/l	0.05	CF52001	20-Jun-05	20-Jun-05	EPA 8260B	
Vinyl chloride	ND	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	ND	1	"	"	"	"	"	"	
Toluene	ND	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	ND	1	"	"	"	"	"	"	
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		108 %	75-125		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		112 %	75-125		"	"	"	"	
Surrogate: Toluene-d8		104 %	75-125		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		112 %	75-125		"	"	"	"	



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29-Jun-05

Volatile Organic Compounds by EPA Method 8260B Lab SB2

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG21-5, PV84cc (C506011-01) Vapor Sampled: 21-Jun-05 Received: 21-Jun-05									
Dichlorodifluoromethane	ND	1	ug/l	0.05	CF52101	21-Jun-05	21-Jun-05	EPA 8260B	
Vinyl chloride	ND	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	ND	1	"	"	"	"	"	"	
Toluene	ND	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	ND	1	"	"	"	"	"	"	
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		94.4 %	75-125		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		93.6 %	75-125		"	"	"	"	
Surrogate: Toluene-d8		94.8 %	75-125		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		98.4 %	75-125		"	"	"	"	



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Project: SCS062005-SB2
Project Number: 01204007.02; 1601 San Francisco Ave.
Project Manager: Mr. Kevin Green

Reported:
29-Jun-05

Volatile Organic Compounds by EPA Method 8260B Lab SB2

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG20-5, PV84cc (C506011-02) Vapor Sampled: 21-Jun-05 Received: 21-Jun-05									
Dichlorodifluoromethane	ND	1	ug/l	0.05	CF52101	21-Jun-05	21-Jun-05	EPA 8260B	
Vinyl chloride	ND	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	ND	1	"	"	"	"	"	"	
Toluene	ND	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	ND	1	"	"	"	"	"	"	
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		94.4 %		75-125	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.4 %		75-125	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		93.2 %		75-125	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		98.0 %		75-125	"	"	"	"	



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Project: SCS062005-SB2
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Project Manager: Mr. Kevin Green

Reported:
29-Jun-05

Volatile Organic Compounds by EPA Method 8260B

Lab SB2

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG20-5, PV144cc Duplicate (C506011-03) Vapor Sampled: 21-Jun-05 Received: 21-Jun-05									
Dichlorodifluoromethane	ND	1	ug/l	0.05	CF52101	21-Jun-05	21-Jun-05	EPA 8260B	
Vinyl chloride	ND	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	ND	1	"	"	"	"	"	"	
Toluene	ND	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	ND	1	"	"	"	"	"	"	
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		91.6 %	75-125		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		91.2 %	75-125		"	"	"	"	
Surrogate: Toluene-d8		92.8 %	75-125		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		96.0 %	75-125		"	"	"	"	



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Project: SCS062005-SB2
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Reported:
29-Jun-05

Volatile Organic Compounds by EPA Method 8260B Lab SB2

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG19-5, PV84cc (C506011-04) Vapor Sampled: 21-Jun-05 Received: 21-Jun-05									
Dichlorodifluoromethane	ND	1	ug/l	0.05	CF52101	21-Jun-05	21-Jun-05	EPA 8260B	
Vinyl chloride	ND	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	ND	1	"	"	"	"	"	"	
Toluene	ND	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	ND	1	"	"	"	"	"	"	
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		94.8 %	75-125		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		95.6 %	75-125		"	"	"	"	
Surrogate: Toluene-d8		94.0 %	75-125		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		99.2 %	75-125		"	"	"	"	



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29-Jun-05

Volatile Organic Compounds by EPA Method 8260B
Lab SB2

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG18-5, PV84cc (C506011-05) Vapor Sampled: 21-Jun-05 Received: 21-Jun-05									
Dichlorodifluoromethane	ND	1	ug/l	0.05	CF52101	21-Jun-05	21-Jun-05	EPA 8260B	
Vinyl chloride	ND	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	ND	1	"	"	"	"	"	"	
Toluene	ND	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	ND	1	"	"	"	"	"	"	
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		93.6 %	75-125		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		98.0 %	75-125		"	"	"	"	
Surrogate: Toluene-d8		92.4 %	75-125		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		99.6 %	75-125		"	"	"	"	



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29-Jun-05

Volatile Organic Compounds by EPA Method 8260B Lab SB2

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG25-5, PV84cc (C506011-06) Vapor Sampled: 21-Jun-05 Received: 21-Jun-05									
Dichlorodifluoromethane	ND	1	ug/l	0.05	CF52101	21-Jun-05	21-Jun-05	EPA 8260B	
Vinyl chloride	ND	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	ND	1	"	"	"	"	"	"	
Toluene	ND	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	ND	1	"	"	"	"	"	"	
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		94.0 %		75-125	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		92.8 %		75-125	"	"	"	"	
Surrogate: Toluene-d8		91.6 %		75-125	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		96.8 %		75-125	"	"	"	"	



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Volatile Organic Compounds by EPA Method 8260B Lab SB2

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG23-5, PV21cc (C506011-07) Vapor Sampled: 21-Jun-05 Received: 21-Jun-05									
Dichlorodifluoromethane	ND	1	ug/l	0.05	CF52101	21-Jun-05	21-Jun-05	EPA 8260B	
Vinyl chloride	ND	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	ND	1	"	"	"	"	"	"	
Toluene	ND	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	1.7	1	"	"	"	"	"	"	
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		96.4 %	75-125		"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.2 %	75-125		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		95.6 %	75-125		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		99.2 %	75-125		"	"	"	"	



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Project: SCS062005-SB2
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Project Manager: Mr. Kevin Green

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29-Jun-05

Volatile Organic Compounds by EPA Method 8260B **Lab SB2**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG22-5, PV21cc (C506011-08) Vapor Sampled: 21-Jun-05 Received: 21-Jun-05									
Dichlorodifluoromethane	ND	1	ug/l	0.05	CF52101	21-Jun-05	21-Jun-05	EPA 8260B	
Vinyl chloride	ND	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	ND	1	"	"	"	"	"	"	
Toluene	ND	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	5.9	1	"	"	"	"	"	"	
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		88.0 %	75-125		"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		88.0 %	75-125		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		89.6 %	75-125		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		92.8 %	75-125		"	"	"	"	



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Project: SCS062005-SB2
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29-Jun-05

Volatile Organic Compounds by EPA Method 8260B Lab SB2

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG26-5, PV21cc (C506011-09) Vapor Sampled: 21-Jun-05 Received: 21-Jun-05									
Dichlorodifluoromethane	ND	1	ug/l	0.05	CF52101	21-Jun-05	21-Jun-05	EPA 8260B	
Vinyl chloride	ND	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	ND	1	"	"	"	"	"	"	
Toluene	ND	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	ND	1	"	"	"	"	"	"	
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		98.0 %	75-125		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		105 %	75-125		"	"	"	"	
Surrogate: Toluene-d8		93.6 %	75-125		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		102 %	75-125		"	"	"	"	



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Volatile Organic Compounds by EPA Method 8260B **Lab SB2**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG24-5, PV84cc (C506011-10) Vapor Sampled: 21-Jun-05 Received: 21-Jun-05									
Dichlorodifluoromethane	ND	1	ug/l	0.05	CF52101	21-Jun-05	21-Jun-05	EPA 8260B	
Vinyl chloride	ND	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	ND	1	"	"	"	"	"	"	
Toluene	ND	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	1.7	1	"	"	"	"	"	"	
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		100 %	75-125		"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		104 %	75-125		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		96.8 %	75-125		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		104 %	75-125		"	"	"	"	



SCS Engineers Environmental Consultants
3900 Kilroy Airport Way, Suite 100
Long Beach CA, 90806-6816

Project: SCS062005-SB2
Project Number: 01204007.02; 1601 San Francisco Ave.
Project Manager: Mr. Kevin Green

Reported:
29-Jun-05

Volatile Organic Compounds by EPA Method 8260B

Lab SB2

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG27-5, PV84cc (C506011-11) Vapor Sampled: 21-Jun-05 Received: 21-Jun-05									
Dichlorodifluoromethane	ND	1	ug/l	0.05	CF52101	21-Jun-05	21-Jun-05	EPA 8260B	
Vinyl chloride	ND	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	ND	1	"	"	"	"	"	"	
Toluene	ND	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	ND	1	"	"	"	"	"	"	
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		95.6 %	75-125		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		100 %	75-125		"	"	"	"	
Surrogate: Toluene-d8		94.4 %	75-125		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		100 %	75-125		"	"	"	"	



SCS Engineers Environmental Consultants
3900 Kilroy Airport Way, Suite 100
Long Beach CA, 90806-6816

Project: SCS062005-SB2
Project Number: 01204007.02; 1601 San Francisco Ave.
Project Manager: Mr. Kevin Green

Reported:
29-Jun-05

Volatile Organic Compounds by EPA Method 8260B Lab SB2

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG28-5, PV84cc (C506011-12) Vapor Sampled: 21-Jun-05 Received: 21-Jun-05									
Dichlorodifluoromethane	ND	1	ug/l	0.05	CF52101	21-Jun-05	21-Jun-05	EPA 8260B	
Vinyl chloride	ND	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	ND	1	"	"	"	"	"	"	
Toluene	ND	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	ND	1	"	"	"	"	"	"	
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		98.8 %	75-125		"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		100 %	75-125		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		92.4 %	75-125		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		102 %	75-125		"	"	"	"	



SCS Engineers Environmental Consultants
3900 Kilroy Airport Way, Suite 100
Long Beach CA, 90806-6816

Project: SCS062005-SB2
Project Number: 01204007.02; 1601 San Francisco Ave.
Project Manager: Mr. Kevin Green

Reported:
29-Jun-05

Volatile Organic Compounds by EPA Method 8260B

Lab SB2

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG29-5, PV84cc (C506011-13) Vapor Sampled: 21-Jun-05 Received: 21-Jun-05									
Dichlorodifluoromethane	ND	1	ug/l	0.05	CF52101	21-Jun-05	21-Jun-05	EPA 8260B	
Vinyl chloride	ND	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	ND	1	"	"	"	"	"	"	
Toluene	ND	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	ND	1	"	"	"	"	"	"	
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		101 %	75-125		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		106 %	75-125		"	"	"	"	
Surrogate: Toluene-d8		95.2 %	75-125		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		102 %	75-125		"	"	"	"	



SCS Engineers Environmental Consultants
3900 Kilroy Airport Way, Suite 100
Long Beach CA, 90806-6816

Project: SCS062005-SB2
Project Number: 01204007.02; 1601 San Francisco Ave.
Project Manager: Mr. Kevin Green

Reported:
29-Jun-05

Volatile Organic Compounds by EPA Method 8260B Lab SB2

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG30-5, PV84cc (C506011-14) Vapor Sampled: 21-Jun-05 Received: 21-Jun-05									
Dichlorodifluoromethane	ND	1	ug/l	0.05	CF52101	21-Jun-05	21-Jun-05	EPA 8260B	
Vinyl chloride	ND	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	ND	1	"	"	"	"	"	"	
Toluene	ND	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	ND	1	"	"	"	"	"	"	
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		96.4 %	75-125		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		100 %	75-125		"	"	"	"	
Surrogate: Toluene-d8		94.0 %	75-125		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		98.4 %	75-125		"	"	"	"	



SCS Engineers Environmental Consultants
3900 Kilroy Airport Way, Suite 100
Long Beach CA, 90806-6816

Project: SCS062005-SB2
Project Number: 01204007.02; 1601 San Francisco Ave.
Project Manager: Mr. Kevin Green

Reported:
29-Jun-05

Volatile Organic Compounds by EPA Method 8260B - Quality Control Lab SB2

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch CF52001 - EPA 5030

Blank (CF52001-BLK1)

Prepared & Analyzed: 20-Jun-05

Dichlorodifluoromethane	ND	1.0	ug/l							
Vinyl chloride	ND	1.0	"							
Chloroethane	ND	1.0	"							
Trichlorofluoromethane	ND	1.0	"							
1,1-Dichloroethene	ND	1.0	"							
Methylene chloride	ND	1.0	"							
Freon 113	ND	1.0	"							
trans-1,2-Dichloroethene	ND	1.0	"							
1,1-Dichloroethane	ND	1.0	"							
cis-1,2-Dichloroethene	ND	1.0	"							
Chloroform	ND	1.0	"							
1,1,1-Trichloroethane	ND	1.0	"							
Carbon tetrachloride	ND	1.0	"							
1,2-Dichloroethane	ND	1.0	"							
Benzene	ND	1.0	"							
Trichloroethene	ND	1.0	"							
Toluene	ND	1.0	"							
1,1,2-Trichloroethane	ND	1.0	"							
Tetrachloroethene	ND	1.0	"							
Ethylbenzene	ND	1.0	"							
1,1,1,2-Tetrachloroethane	ND	1.0	"							
m,p-Xylene	ND	2.0	"							
o-Xylene	ND	1.0	"							
1,1,2,2-Tetrachloroethane	ND	1.0	"							

Surrogate: Dibromofluoromethane	2.51	"	2.50	100	75-125
Surrogate: 1,2-Dichloroethane-d4	2.55	"	2.50	102	75-125
Surrogate: Toluene-d8	2.39	"	2.50	95.6	75-125
Surrogate: 4-Bromofluorobenzene	2.71	"	2.50	108	75-125



SCS Engineers Environmental Consultants
3900 Kilroy Airport Way, Suite 100
Long Beach CA, 90806-6816

Project: SCS062005-SB2
Project Number: 01204007.02; 1601 San Francisco Ave.
Project Manager: Mr. Kevin Green

Reported:
29-Jun-05

Volatile Organic Compounds by EPA Method 8260B - Quality Control Lab SB2

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch CF52001 - EPA 5030

Batch CF52101 - EPA 5030

Blank (CF52101-BLK1)

Prepared & Analyzed: 21-Jun-05

Dichlorodifluoromethane	ND	1.0	ug/l
Vinyl chloride	ND	1.0	"
Chloroethane	ND	1.0	"
Trichlorofluoromethane	ND	1.0	"
1,1-Dichloroethene	ND	1.0	"
Methylene chloride	ND	1.0	"
Freon 113	ND	1.0	"
trans-1,2-Dichloroethene	ND	1.0	"
1,1-Dichloroethane	ND	1.0	"
cis-1,2-Dichloroethene	ND	1.0	"
Chloroform	ND	1.0	"
1,1,1-Trichloroethane	ND	1.0	"
Carbon tetrachloride	ND	1.0	"
1,2-Dichloroethane	ND	1.0	"
Benzene	ND	1.0	"
Trichloroethene	ND	1.0	"
Toluene	ND	1.0	"
1,1,2-Trichloroethane	ND	1.0	"
Tetrachloroethene	ND	1.0	"
Ethylbenzene	ND	1.0	"
1,1,1,2-Tetrachloroethane	ND	1.0	"
m,p-Xylene	ND	2.0	"
o-Xylene	ND	1.0	"
1,1,2,2-Tetrachloroethane	ND	1.0	"

Surrogate: Dibromofluoromethane	2.40	"	2.50	96.0	75-125
Surrogate: 1,2-Dichloroethane-d4	2.27	"	2.50	90.8	75-125



SCS Engineers Environmental Consultants 3900 Kilroy Airport Way, Suite 100 Long Beach CA, 90806-6816	Project: SCS062005-SB2 Project Number: 01204007.02; 1601 San Francisco Ave. Project Manager: Mr. Kevin Green	Reported: 29-Jun-05
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Volatile Organic Compounds by EPA Method 8260B - Quality Control
Lab SB2

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch CF52101 - EPA 5030

Blank (CF52101-BLK1)

Prepared & Analyzed: 21-Jun-05

<i>Surrogate: Toluene-d8</i>	2.42		ug/l	2.50		96.8	75-125			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.67		"	2.50		107	75-125			



SCS Engineers Environmental Consultants
3900 Kilroy Airport Way, Suite 100
Long Beach CA, 90806-6816

Project: SCS062005-SB2
Project Number: 01204007.02; 1601 San Francisco Ave.
Project Manager: Mr. Kevin Green

Reported:
29-Jun-05

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

Date: JUNE 20th, 2005
H&P Project # SCS062005-SB2
Outside Lab: NIA

☐ 148 S. Vinewood St., Escondido, CA 92029 • ph 760.735.3208 • fax 760.735.2469
☐ 432 N. Cedros Ave., Solana Beach, CA 92075 • ph 858.793.0401 • fax 858.793.0404
☐ 3825 Industry Avenue, Lakewood, CA 90712 • ph 562.426.6991 • fax 562.426.6995

Date: JUNE 20th, 2005
H&P Project # SCS062005-SB2
Outside Lab: NIA

Client: SCS
Address: 3900 Kilroy Airport way, Suite 100
Long Beach, Ca 90806
Phone: (562) 426-9544 Fax: (562) 427-0805

Collector: KURT Page: 2 Of 2
Client Project # 01204007.02 Project Manager KEVIN GREEN
Location: W 16th x 1601 SAN FRANCISCO
Turn around time: N/A

Global ID: EDF: Yes / No

Sample Receipt

Intact: ☒ Yes ☐ No
Seal Intact: ☐ Yes ☐ No ☒ N/A
Cold: ☐ Yes ☐ No

N/A (Received on Site)

[illegible]

Relinquished by: (Signature) John W. Fox (company) SLC

Relinquished by: (Signature) _____ (company) _____

Relinquished by: (Signature) _____ (company) _____

Received by: (Signature) (company)

Received by: (Signature) (company)

Received by: (Signature) (company)

Date:	6/20/05	Time:	1405
Date:		Time:	
Date:		Time:	

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction:

☐ Disposal @ \$2.00 each☐ *Return to client*☐ Pickup

Chain of Custody Record

Date: JUNE 21st, 2005H&P Project # SCS062005-SB2Outside Lab: N/A

- ☐ 148 S. Vinewood St., Escondido, CA 92029 • ph 760.735.3208 • fax 760.735.2469
- ☐ 432 N. Cedros Ave., Solana Beach, CA 92075 • ph 858.793.0401 • fax 858.793.0404
- ☐ 3825 Industry Avenue, Lakewood, CA 90712 • ph 562.426.6991 • fax 562.426.6995

Client: SCS Collector: Kurt, Russ Page: 1 Of 1

Address: 3900 Kiley Airport Way, Suite 100 Client Project # 01204007.02 Project Manager KEVIN GREEN

Long Beach, Ca 90806 Location: 1601 SAN FRANCISCO, LONG BEACH

Phone: (562) 426-9544 Fax: (562) 426-9544 Turn around time: N/A

Global ID:		EDF: Yes / No		Sample Receipt		8260B												Total # of containers
				Intact: ☒ Yes ☐ No Seal Intact: ☐ Yes ☐ No ☒ N/A Cold: ☐ Yes ☐ No <u>N/A (Received on Site)</u>		TPH gasoline / diesel	TPH extended	8021 for BTEX/MTBE	8021 for Halogenated compounds	418.1 TRPH	BTEX / Oxygenates	Oxygenates	VOC's LARWOOD	VOC's and Oxygenates	Methane	Fixed Gases	Prep	
Sample Name	Field Point Name	Depth	Time	Date	Sample Type	Container Type												
C506011-01	SG21-5	5'	0715	6/21	Vapor	Syringe							X			84cc	0717	1
-02	SG20-5	5'	0725										X			84cc	0728	1
-03	1 Duplicate	5'	0726										X			84cc	0729	1
-04	SG19-5	5'	0742										X			84cc	0745	1
-05	SG18-5	5'	0755										X			84cc	0758	1
-06	SG25-5	5'	0810										X			84cc	0813	1
-07	SG23-5	5'	0830										X			21cc	0833	1
-08	SG22-5	5'	0841										X			21cc	0845	1
-09	SG26-5	5'	0905										X			21cc	0908	1
-10	SG24-5	5'	0920										X			84cc	0923	1
-11	SG27-5	5'	0930										X			84cc	0933 0930	1
-12	SG28-5	5'	0940										X			84cc	0942	1
-13	SG29-5	5'	0950										X			84cc	0953	1
-14	SG30-5	5'	1005										X			84cc	1008	1
Relinquished by: (Signature) <u>[Signature]</u>		(company) <u>SCS</u>		Received by: (Signature) <u>[Signature]</u>		(company) <u>H&P</u>		Date: <u>6/21/05</u>		Time: <u>1215</u>								
Relinquished by: (Signature)		(company)		Received by: (Signature)		(company)		Date:		Time:								
Relinquished by: (Signature)		(company)		Received by: (Signature)		(company)		Date:		Time:								

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction:

☐ Disposal @ \$2.00 each☐ Return to client☐ Pickup

APPENDIX B

**ADVANCED TECHNOLOGY LABORATORIES REPORTS
FOR SOIL SAMPLES**

July 01, 2005



Kevin Green
SCS Engineers
3900 Kilroy Airport Way, Suite 100
Long Beach, CA 90806-6816

ELAP No.: 1838
NELAP No.: 02107CA
CSDLAC No.: 10196

TEL: (562) 426-9544
FAX: (562) 427-0805

Workorder No.: 077298

RE: Long Beach Public Service Yard, 01204007.02

Attention: Kevin Green

Enclosed are the results for sample(s) received on June 22, 2005 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

The cover letter is an integral part of this analytical report. This Laboratory Report cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT: SCS Engineers

Client Sample ID: B1-5

Lab Order: 077298

Project: Long Beach Public Service Yard, 01204007.02

Collection Date: 6/21/2005

Lab ID: 077298-002

Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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ICP METALS

(EPA 3050B)

EPA 6010B

RunID: ICP6_050628A	QC Batch: 23346	PrepDate: 6/27/2005	Analyst: RQ		
Antimony	ND	2.0	mg/Kg	1	6/28/2005
Arsenic	1.8	1.0	mg/Kg	1	6/28/2005
Barium	95	1.0	mg/Kg	1	6/28/2005
Beryllium	ND	1.0	mg/Kg	1	6/28/2005
Cadmium	ND	1.0	mg/Kg	1	6/28/2005
Chromium	11	1.0	mg/Kg	1	6/28/2005
Cobalt	5.7	1.0	mg/Kg	1	6/28/2005
Copper	11	2.0	mg/Kg	1	6/28/2005
Lead	14	1.0	mg/Kg	1	6/28/2005
Molybdenum	ND	1.0	mg/Kg	1	6/28/2005
Nickel	7.0	1.0	mg/Kg	1	6/28/2005
Selenium	1.1	1.0	mg/Kg	1	6/28/2005
Silver	ND	1.0	mg/Kg	1	6/28/2005
Thallium	ND	1.0	mg/Kg	1	6/28/2005
Vanadium	21	1.0	mg/Kg	1	6/28/2005
Zinc	82	1.0	mg/Kg	1	6/28/2005

MERCURY BY COLD VAPOR TECHNIQUE

(EPA 7471)

EPA 7471A

RunID: AA1_050628B	QC Batch: 23350	PrepDate: 6/27/2005	Analyst: JT		
Mercury	ND	0.10	mg/Kg	1	6/28/2005

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT: SCS Engineers

Client Sample ID: B10-1

Lab Order: 077298

Project: Long Beach Public Service Yard, 01204007.02

Collection Date: 6/21/2005

Lab ID: 077298-004

Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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ICP METALS

(EPA 3050B)

EPA 6010B

RunID: ICP6_050628A	QC Batch: 23346	PrepDate: 6/27/2005	Analyst: RQ		
Antimony	ND	2.0	mg/Kg	1	6/28/2005
Arsenic	1.1	1.0	mg/Kg	1	6/28/2005
Barium	170	1.0	mg/Kg	1	6/28/2005
Beryllium	ND	1.0	mg/Kg	1	6/28/2005
Cadmium	ND	1.0	mg/Kg	1	6/28/2005
Chromium	21	1.0	mg/Kg	1	6/28/2005
Cobalt	11	1.0	mg/Kg	1	6/28/2005
Copper	50	2.0	mg/Kg	1	6/28/2005
Lead	110	1.0	mg/Kg	1	6/28/2005
Molybdenum	ND	1.0	mg/Kg	1	6/28/2005
Nickel	21	1.0	mg/Kg	1	6/28/2005
Selenium	2.0	1.0	mg/Kg	1	6/28/2005
Silver	ND	1.0	mg/Kg	1	6/28/2005
Thallium	ND	1.0	mg/Kg	1	6/28/2005
Vanadium	37	1.0	mg/Kg	1	6/28/2005
Zinc	300	1.0	mg/Kg	1	6/28/2005

MERCURY BY COLD VAPOR TECHNIQUE

(EPA 7471)

EPA 7471A

RunID: AA1_050628B	QC Batch: 23350	PrepDate: 6/27/2005	Analyst: JT		
Mercury	0.23	0.10	mg/Kg	1	6/28/2005

Qualifiers:

ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

DO - Surrogate Diluted Out

H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT:	SCS Engineers	Client Sample ID:	B11-1
Lab Order:	077298		
Project:	Long Beach Public Service Yard, 01204007.02	Collection Date:	6/21/2005
Lab ID:	077298-006	Matrix:	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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ICP METALS

(EPA 3050B)

EPA 6010B

RunID: ICP6_050628A	QC Batch: 23346	PrepDate: 6/27/2005	Analyst: RQ		
Antimony	ND	2.0	mg/Kg	1	6/28/2005
Arsenic	1.3	1.0	mg/Kg	1	6/28/2005
Barium	120	1.0	mg/Kg	1	6/28/2005
Beryllium	ND	1.0	mg/Kg	1	6/28/2005
Cadmium	ND	1.0	mg/Kg	1	6/28/2005
Chromium	19	1.0	mg/Kg	1	6/28/2005
Cobalt	11	1.0	mg/Kg	1	6/28/2005
Copper	24	2.0	mg/Kg	1	6/28/2005
Lead	5.8	1.0	mg/Kg	1	6/28/2005
Molybdenum	ND	1.0	mg/Kg	1	6/28/2005
Nickel	15	1.0	mg/Kg	1	6/28/2005
Selenium	1.5	1.0	mg/Kg	1	6/28/2005
Silver	ND	1.0	mg/Kg	1	6/28/2005
Thallium	ND	1.0	mg/Kg	1	6/28/2005
Vanadium	38	1.0	mg/Kg	1	6/28/2005
Zinc	51	1.0	mg/Kg	1	6/28/2005

MERCURY BY COLD VAPOR TECHNIQUE

(EPA 7471)

EPA 7471A

RunID: AA1_050628B	QC Batch: 23350	PrepDate: 6/27/2005	Analyst: JT		
Mercury	ND	0.10	mg/Kg	1	6/28/2005

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	E - Value above quantitation range
	DO - Surrogate Diluted Out	H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT: SCS Engineers

Client Sample ID: B18-1

Lab Order: 077298

Project: Long Beach Public Service Yard, 01204007.02

Collection Date: 6/21/2005

Lab ID: 077298-009

Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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ICP METALS

(EPA 3050B)

EPA 6010B

RunID: ICP6_050628A	QC Batch: 23346	PrepDate: 6/27/2005	Analyst: RQ		
Antimony	ND	2.0	mg/Kg	1	6/28/2005
Arsenic	7.4	1.0	mg/Kg	1	6/28/2005
Barium	160	1.0	mg/Kg	1	6/28/2005
Beryllium	ND	1.0	mg/Kg	1	6/28/2005
Cadmium	ND	1.0	mg/Kg	1	6/28/2005
Chromium	27	1.0	mg/Kg	1	6/28/2005
Cobalt	15	1.0	mg/Kg	1	6/28/2005
Copper	52	2.0	mg/Kg	1	6/28/2005
Lead	15	1.0	mg/Kg	1	6/28/2005
Molybdenum	ND	1.0	mg/Kg	1	6/28/2005
Nickel	21	1.0	mg/Kg	1	6/28/2005
Selenium	1.9	1.0	mg/Kg	1	6/28/2005
Silver	ND	1.0	mg/Kg	1	6/28/2005
Thallium	ND	1.0	mg/Kg	1	6/28/2005
Vanadium	54	1.0	mg/Kg	1	6/28/2005
Zinc	77	1.0	mg/Kg	1	6/28/2005

HYDROCARBON CHAIN IDENTIFICATION

(LUFT)

EPA 8015B(M)

RunID: GC7_050624A	QC Batch: 23318	PrepDate: 6/24/2005	Analyst: CBR		
T/R Hydrocarbons: C13-C22	ND	10	mg/Kg	1	6/24/2005

HYDROCARBON CHAIN IDENTIFICATION

(LUFT)

EPA 8015B

RunID: GC7_050624A	QC Batch: 23318	PrepDate: 6/24/2005	Analyst: CBR		
T/R Hydrocarbons: >C32	ND	10	mg/Kg	1	6/24/2005
T/R Hydrocarbons: C23-C32	ND	10	mg/Kg	1	6/24/2005

HYDROCARBON CHAIN IDENTIFICATION

EPA 8015B

RunID: GC2_050623A	QC Batch: E05VS163	PrepDate:	Analyst: TT		
T/R Hydrocarbons: C4-C12	ND	1.0	mg/Kg	1	6/23/2005

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT: SCS Engineers

Client Sample ID: B18-1

Lab Order: 077298

Project: Long Beach Public Service Yard, 01204007.02

Collection Date: 6/21/2005

Lab ID: 077298-009

Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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MERCURY BY COLD VAPOR TECHNIQUE

(EPA 7471)

EPA 7471A

RunID: AA1_050628B

QC Batch: 23350

PrepDate: 6/27/2005 Analyst: JT

Mercury

0.21

0.10

mg/Kg

1

6/28/2005

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

DO - Surrogate Diluted Out

H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT: SCS Engineers**Client Sample ID:** B24-5**Lab Order:** 077298**Project:** Long Beach Public Service Yard, 01204007.02**Collection Date:** 6/21/2005**Lab ID:** 077298-011**Matrix:** SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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**HYDROCARBON CHAIN IDENTIFICATION
(LUFT)****EPA 8015B(M)**

RunID: GC7_050624A	QC Batch: 23318	PrepDate: 6/24/2005	Analyst: CBR
T/R Hydrocarbons: C13-C22	ND	10	mg/Kg
		1	6/24/2005

**HYDROCARBON CHAIN IDENTIFICATION
(LUFT)****EPA 8015B**

RunID: GC7_050624A	QC Batch: 23318	PrepDate: 6/24/2005	Analyst: CBR
T/R Hydrocarbons: >C32	ND	10	mg/Kg
		1	6/24/2005
T/R Hydrocarbons: C23-C32	ND	10	mg/Kg
		1	6/24/2005

HYDROCARBON CHAIN IDENTIFICATION**EPA 8015B**

RunID: GC2_050623A	QC Batch: E05VS163	PrepDate:	Analyst: TT
T/R Hydrocarbons: C4-C12	ND	1.0	mg/Kg
		1	6/23/2005

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT: SCS Engineers**Client Sample ID:** B24-10**Lab Order:** 077298**Project:** Long Beach Public Service Yard, 01204007.02**Collection Date:** 6/21/2005**Lab ID:** 077298-012**Matrix:** SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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HYDROCARBON CHAIN IDENTIFICATION

(LUFT)

EPA 8015B(M)

RunID: GC7_BACK_050624B	QC Batch: 23319	PrepDate: 6/24/2005	Analyst: CBR		
T/R Hydrocarbons: C13-C22	2200	10	mg/Kg	1	6/24/2005

HYDROCARBON CHAIN IDENTIFICATION

(LUFT)

EPA 8015B

RunID: GC7_BACK_050624B	QC Batch: 23319	PrepDate: 6/24/2005	Analyst: CBR		
T/R Hydrocarbons: >C32	16	10	mg/Kg	1	6/24/2005
T/R Hydrocarbons: C23-C32	42	10	mg/Kg	1	6/24/2005

HYDROCARBON CHAIN IDENTIFICATION**EPA 8015B**

RunID: GC2_050623A	QC Batch: E05VS163	PrepDate:	Analyst: TT		
T/R Hydrocarbons: C4-C12	290	50	mg/Kg	50	6/23/2005

VOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 8260B**

RunID: MS3_050627A	QC Batch: R05VS082	PrepDate:	Analyst: HH		
1,1,1,2-Tetrachloroethane	ND	250	µg/Kg	50	6/27/2005
1,1,1-Trichloroethane	ND	250	µg/Kg	50	6/27/2005
1,1,2,2-Tetrachloroethane	ND	250	µg/Kg	50	6/27/2005
1,1,2-Trichloroethane	ND	250	µg/Kg	50	6/27/2005
1,1-Dichloroethane	ND	250	µg/Kg	50	6/27/2005
1,1-Dichloroethene	ND	250	µg/Kg	50	6/27/2005
1,1-Dichloropropene	ND	250	µg/Kg	50	6/27/2005
1,2,3-Trichlorobenzene	ND	250	µg/Kg	50	6/27/2005
1,2,3-Trichloropropane	ND	250	µg/Kg	50	6/27/2005
1,2,4-Trichlorobenzene	ND	250	µg/Kg	50	6/27/2005
1,2,4-Trimethylbenzene	ND	250	µg/Kg	50	6/27/2005
1,2-Dibromo-3-chloropropane	ND	500	µg/Kg	50	6/27/2005
1,2-Dibromoethane	ND	250	µg/Kg	50	6/27/2005
1,2-Dichlorobenzene	ND	250	µg/Kg	50	6/27/2005
1,2-Dichloroethane	ND	250	µg/Kg	50	6/27/2005
1,2-Dichloropropane	ND	250	µg/Kg	50	6/27/2005
1,3,5-Trimethylbenzene	ND	250	µg/Kg	50	6/27/2005
1,3-Dichlorobenzene	ND	250	µg/Kg	50	6/27/2005
1,3-Dichloropropane	ND	250	µg/Kg	50	6/27/2005

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

DO - Surrogate Diluted Out

H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT: SCS Engineers

Client Sample ID: B24-10

Lab Order: 077298

Project: Long Beach Public Service Yard, 01204007.02

Collection Date: 6/21/2005

Lab ID: 077298-012

Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 8260B**

RunID: MS3_050627A	QC Batch: R05VS082	PrepDate:	Analyst: HH		
1,4-Dichlorobenzene	ND	250	µg/Kg	50	6/27/2005
2,2-Dichloropropane	ND	250	µg/Kg	50	6/27/2005
2-Chlorotoluene	ND	250	µg/Kg	50	6/27/2005
4-Chlorotoluene	ND	250	µg/Kg	50	6/27/2005
4-Isopropyltoluene	ND	250	µg/Kg	50	6/27/2005
Benzene	ND	250	µg/Kg	50	6/27/2005
Bromobenzene	ND	250	µg/Kg	50	6/27/2005
Bromodichloromethane	ND	250	µg/Kg	50	6/27/2005
Bromoform	ND	250	µg/Kg	50	6/27/2005
Bromomethane	ND	250	µg/Kg	50	6/27/2005
Carbon tetrachloride	ND	250	µg/Kg	50	6/27/2005
Chlorobenzene	ND	250	µg/Kg	50	6/27/2005
Chloroethane	ND	250	µg/Kg	50	6/27/2005
Chloroform	ND	250	µg/Kg	50	6/27/2005
Chloromethane	ND	250	µg/Kg	50	6/27/2005
cis-1,2-Dichloroethene	ND	250	µg/Kg	50	6/27/2005
cis-1,3-Dichloropropene	ND	250	µg/Kg	50	6/27/2005
Di-isopropyl ether	ND	250	µg/Kg	50	6/27/2005
Dibromochloromethane	ND	250	µg/Kg	50	6/27/2005
Dibromomethane	ND	250	µg/Kg	50	6/27/2005
Dichlorodifluoromethane	ND	250	µg/Kg	50	6/27/2005
Ethyl Tert-butyl ether	ND	250	µg/Kg	50	6/27/2005
Ethylbenzene	ND	250	µg/Kg	50	6/27/2005
Hexachlorobutadiene	ND	250	µg/Kg	50	6/27/2005
Isopropylbenzene	ND	250	µg/Kg	50	6/27/2005
m,p-Xylene	ND	500	µg/Kg	50	6/27/2005
Methylene chloride	ND	250	µg/Kg	50	6/27/2005
MTBE	ND	250	µg/Kg	50	6/27/2005
n-Butylbenzene	ND	250	µg/Kg	50	6/27/2005
n-Propylbenzene	310	250	µg/Kg	50	6/27/2005
Naphthalene	ND	250	µg/Kg	50	6/27/2005
o-Xylene	ND	250	µg/Kg	50	6/27/2005
sec-Butylbenzene	1000	250	µg/Kg	50	6/27/2005
Styrene	ND	250	µg/Kg	50	6/27/2005
Tert-amyl methyl ether	ND	250	µg/Kg	50	6/27/2005
Tert-Butanol	ND	5000	µg/Kg	50	6/27/2005

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT:	SCS Engineers	Client Sample ID:	B24-10
Lab Order:	077298		
Project:	Long Beach Public Service Yard, 01204007.02	Collection Date:	6/21/2005
Lab ID:	077298-012	Matrix:	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 8260B**

RunID: MS3_050627A	QC Batch: R05VS082	PrepDate:	Analyst: HH		
tert-Butylbenzene	ND	250	µg/Kg	50	6/27/2005
Tetrachloroethene	ND	250	µg/Kg	50	6/27/2005
Toluene	ND	250	µg/Kg	50	6/27/2005
trans-1,2-Dichloroethene	ND	250	µg/Kg	50	6/27/2005
Trichloroethene	ND	250	µg/Kg	50	6/27/2005
Trichlorofluoromethane	ND	250	µg/Kg	50	6/27/2005
Vinyl chloride	ND	250	µg/Kg	50	6/27/2005

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	E - Value above quantitation range
	DO - Surrogate Diluted Out	H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT: SCS Engineers **Client Sample ID:** B25-1
Lab Order: 077298
Project: Long Beach Public Service Yard, 01204007.02 **Collection Date:** 6/21/2005
Lab ID: 077298-013 **Matrix:** SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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HYDROCARBON CHAIN IDENTIFICATION (LUFT)

EPA 8015B(M)

RunID: GC7_BACK_050624B	QC Batch: 23319				PrepDate: 6/24/2005	Analyst: CBR
T/R Hydrocarbons: C13-C22	ND	10		mg/Kg	1	6/24/2005

HYDROCARBON CHAIN IDENTIFICATION (LUFT)

EPA 8015B

RunID: GC7_BACK_050624B	QC Batch: 23319				PrepDate: 6/24/2005	Analyst: CBR
T/R Hydrocarbons: >C32	ND	10		mg/Kg	1	6/24/2005
T/R Hydrocarbons: C23-C32	ND	10		mg/Kg	1	6/24/2005

HYDROCARBON CHAIN IDENTIFICATION

EPA 8015B

RunID: GC2_050623A	QC Batch: E05VS163				PrepDate:	Analyst: TT
T/R Hydrocarbons: C4-C12	ND	1.0		mg/Kg	1	6/23/2005

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS3_050627A	QC Batch: R05VS082				PrepDate:	Analyst: HH
1,1,1,2-Tetrachloroethane	ND	5.0		µg/Kg	1	6/27/2005
1,1,1-Trichloroethane	ND	5.0		µg/Kg	1	6/27/2005
1,1,2,2-Tetrachloroethane	ND	5.0		µg/Kg	1	6/27/2005
1,1,2-Trichloroethane	ND	5.0		µg/Kg	1	6/27/2005
1,1-Dichloroethane	ND	5.0		µg/Kg	1	6/27/2005
1,1-Dichloroethene	ND	5.0		µg/Kg	1	6/27/2005
1,1-Dichloropropene	ND	5.0		µg/Kg	1	6/27/2005
1,2,3-Trichlorobenzene	ND	5.0		µg/Kg	1	6/27/2005
1,2,3-Trichloropropane	ND	5.0		µg/Kg	1	6/27/2005
1,2,4-Trichlorobenzene	ND	5.0		µg/Kg	1	6/27/2005
1,2,4-Trimethylbenzene	ND	5.0		µg/Kg	1	6/27/2005
1,2-Dibromo-3-chloropropane	ND	10		µg/Kg	1	6/27/2005
1,2-Dibromoethane	ND	5.0		µg/Kg	1	6/27/2005
1,2-Dichlorobenzene	ND	5.0		µg/Kg	1	6/27/2005
1,2-Dichloroethane	ND	5.0		µg/Kg	1	6/27/2005
1,2-Dichloropropane	ND	5.0		µg/Kg	1	6/27/2005
1,3,5-Trimethylbenzene	ND	5.0		µg/Kg	1	6/27/2005
1,3-Dichlorobenzene	ND	5.0		µg/Kg	1	6/27/2005
1,3-Dichloropropane	ND	5.0		µg/Kg	1	6/27/2005

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank E - Value above quantitation range
 DO - Surrogate Diluted Out H-Samples exceeding holding time

Results are wet unless otherwise specified

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Advanced Technology
Laboratories

Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT: SCS Engineers **Client Sample ID:** B25-1
Lab Order: 077298
Project: Long Beach Public Service Yard, 01204007.02 **Collection Date:** 6/21/2005
Lab ID: 077298-013 **Matrix:** SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID:	MS3_050627A	QC Batch:	R05VS082	PrepDate:	Analyst:	HH
1,4-Dichlorobenzene	ND	5.0	µg/Kg	1	6/27/2005	
2,2-Dichloropropane	ND	5.0	µg/Kg	1	6/27/2005	
2-Chlorotoluene	ND	5.0	µg/Kg	1	6/27/2005	
4-Chlorotoluene	ND	5.0	µg/Kg	1	6/27/2005	
4-Isopropyltoluene	ND	5.0	µg/Kg	1	6/27/2005	
Benzene	ND	5.0	µg/Kg	1	6/27/2005	
Bromobenzene	ND	5.0	µg/Kg	1	6/27/2005	
Bromodichloromethane	ND	5.0	µg/Kg	1	6/27/2005	
Bromoform	ND	5.0	µg/Kg	1	6/27/2005	
Bromomethane	ND	5.0	µg/Kg	1	6/27/2005	
Carbon tetrachloride	ND	5.0	µg/Kg	1	6/27/2005	
Chlorobenzene	ND	5.0	µg/Kg	1	6/27/2005	
Chloroethane	ND	5.0	µg/Kg	1	6/27/2005	
Chloroform	ND	5.0	µg/Kg	1	6/27/2005	
Chloromethane	ND	5.0	µg/Kg	1	6/27/2005	
cis-1,2-Dichloroethene	ND	5.0	µg/Kg	1	6/27/2005	
cis-1,3-Dichloropropene	ND	5.0	µg/Kg	1	6/27/2005	
Di-isopropyl ether	ND	5.0	µg/Kg	1	6/27/2005	
Dibromochloromethane	ND	5.0	µg/Kg	1	6/27/2005	
Dibromomethane	ND	5.0	µg/Kg	1	6/27/2005	
Dichlorodifluoromethane	ND	5.0	µg/Kg	1	6/27/2005	
Ethyl Tert-butyl ether	ND	5.0	µg/Kg	1	6/27/2005	
Ethylbenzene	ND	5.0	µg/Kg	1	6/27/2005	
Hexachlorobutadiene	ND	5.0	µg/Kg	1	6/27/2005	
Isopropylbenzene	ND	5.0	µg/Kg	1	6/27/2005	
m,p-Xylene	ND	10	µg/Kg	1	6/27/2005	
Methylene chloride	ND	5.0	µg/Kg	1	6/27/2005	
MTBE	ND	5.0	µg/Kg	1	6/27/2005	
n-Butylbenzene	ND	5.0	µg/Kg	1	6/27/2005	
n-Propylbenzene	ND	5.0	µg/Kg	1	6/27/2005	
Naphthalene	ND	5.0	µg/Kg	1	6/27/2005	
o-Xylene	ND	5.0	µg/Kg	1	6/27/2005	
sec-Butylbenzene	ND	5.0	µg/Kg	1	6/27/2005	
Styrene	ND	5.0	µg/Kg	1	6/27/2005	
Tert-amyl methyl ether	ND	5.0	µg/Kg	1	6/27/2005	
Tert-Butanol	ND	100	µg/Kg	1	6/27/2005	

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank E - Value above quantitation range
 DO - Surrogate Diluted Out H-Samples exceeding holding time

Results are wet unless otherwise specified

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Advanced Technology
Laboratories

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3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT: SCS Engineers**Client Sample ID:** B25-1**Lab Order:** 077298**Project:** Long Beach Public Service Yard, 01204007.02**Collection Date:** 6/21/2005**Lab ID:** 077298-013**Matrix:** SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 8260B**

RunID: MS3_050627A

QC Batch: R05VS082

PrepDate:

Analyst: HH

tert-Butylbenzene	ND	5.0		µg/Kg	1	6/27/2005
Tetrachloroethene	ND	5.0		µg/Kg	1	6/27/2005
Toluene	ND	5.0		µg/Kg	1	6/27/2005
trans-1,2-Dichloroethene	ND	5.0		µg/Kg	1	6/27/2005
Trichloroethene	ND	5.0		µg/Kg	1	6/27/2005
Trichlorofluoromethane	ND	5.0		µg/Kg	1	6/27/2005
Vinyl chloride	ND	5.0		µg/Kg	1	6/27/2005

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT: SCS Engineers**Client Sample ID:** B25-5**Lab Order:** 077298**Project:** Long Beach Public Service Yard, 01204007.02**Collection Date:** 6/21/2005**Lab ID:** 077298-014**Matrix:** SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
HYDROCARBON CHAIN IDENTIFICATION						
(LUFT)			EPA 8015B(M)			
RunID: GC7_BACK_050624B	QC Batch: 23319			PrepDate: 6/24/2005		Analyst: CBR
T/R Hydrocarbons: C13-C22	ND	10		mg/Kg	1	6/24/2005
HYDROCARBON CHAIN IDENTIFICATION						
(LUFT)			EPA 8015B			
RunID: GC7_BACK_050624B	QC Batch: 23319			PrepDate: 6/24/2005		Analyst: CBR
T/R Hydrocarbons: >C32	ND	10		mg/Kg	1	6/24/2005
T/R Hydrocarbons: C23-C32	ND	10		mg/Kg	1	6/24/2005
HYDROCARBON CHAIN IDENTIFICATION						
			EPA 8015B			
RunID: GC2_050623A	QC Batch: E05VS163			PrepDate:		Analyst: TT
T/R Hydrocarbons: C4-C12	ND	1.0		mg/Kg	1	6/23/2005
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
			EPA 8260B			
RunID: MS3_050627A	QC Batch: R05VS082			PrepDate:		Analyst: HH
1,1,1,2-Tetrachloroethane	ND	5.0		µg/Kg	1	6/27/2005
1,1,1-Trichloroethane	ND	5.0		µg/Kg	1	6/27/2005
1,1,2,2-Tetrachloroethane	ND	5.0		µg/Kg	1	6/27/2005
1,1,2-Trichloroethane	ND	5.0		µg/Kg	1	6/27/2005
1,1-Dichloroethane	ND	5.0		µg/Kg	1	6/27/2005
1,1-Dichloroethene	ND	5.0		µg/Kg	1	6/27/2005
1,1-Dichloropropene	ND	5.0		µg/Kg	1	6/27/2005
1,2,3-Trichlorobenzene	ND	5.0		µg/Kg	1	6/27/2005
1,2,3-Trichloropropane	ND	5.0		µg/Kg	1	6/27/2005
1,2,4-Trichlorobenzene	ND	5.0		µg/Kg	1	6/27/2005
1,2,4-Trimethylbenzene	ND	5.0		µg/Kg	1	6/27/2005
1,2-Dibromo-3-chloropropane	ND	10		µg/Kg	1	6/27/2005
1,2-Dibromoethane	ND	5.0		µg/Kg	1	6/27/2005
1,2-Dichlorobenzene	ND	5.0		µg/Kg	1	6/27/2005
1,2-Dichloroethane	ND	5.0		µg/Kg	1	6/27/2005
1,2-Dichloropropane	ND	5.0		µg/Kg	1	6/27/2005
1,3,5-Trimethylbenzene	ND	5.0		µg/Kg	1	6/27/2005
1,3-Dichlorobenzene	ND	5.0		µg/Kg	1	6/27/2005
1,3-Dichloropropane	ND	5.0		µg/Kg	1	6/27/2005

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT: SCS Engineers**Client Sample ID:** B25-5**Lab Order:** 077298**Project:** Long Beach Public Service Yard, 01204007.02**Collection Date:** 6/21/2005**Lab ID:** 077298-014**Matrix:** SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 8260B**

RunID:	MS3_050627A	QC Batch:	R05VS082	PrepDate:	Analyst: HH
1,4-Dichlorobenzene	ND	5.0	µg/Kg	1	6/27/2005
2,2-Dichloropropane	ND	5.0	µg/Kg	1	6/27/2005
2-Chlorotoluene	ND	5.0	µg/Kg	1	6/27/2005
4-Chlorotoluene	ND	5.0	µg/Kg	1	6/27/2005
4-Isopropyltoluene	ND	5.0	µg/Kg	1	6/27/2005
Benzene	ND	5.0	µg/Kg	1	6/27/2005
Bromobenzene	ND	5.0	µg/Kg	1	6/27/2005
Bromodichloromethane	ND	5.0	µg/Kg	1	6/27/2005
Bromoform	ND	5.0	µg/Kg	1	6/27/2005
Bromomethane	ND	5.0	µg/Kg	1	6/27/2005
Carbon tetrachloride	ND	5.0	µg/Kg	1	6/27/2005
Chlorobenzene	ND	5.0	µg/Kg	1	6/27/2005
Chloroethane	ND	5.0	µg/Kg	1	6/27/2005
Chloroform	ND	5.0	µg/Kg	1	6/27/2005
Chloromethane	ND	5.0	µg/Kg	1	6/27/2005
cis-1,2-Dichloroethene	ND	5.0	µg/Kg	1	6/27/2005
cis-1,3-Dichloropropene	ND	5.0	µg/Kg	1	6/27/2005
Di-isopropyl ether	ND	5.0	µg/Kg	1	6/27/2005
Dibromochloromethane	ND	5.0	µg/Kg	1	6/27/2005
Dibromomethane	ND	5.0	µg/Kg	1	6/27/2005
Dichlorodifluoromethane	ND	5.0	µg/Kg	1	6/27/2005
Ethyl Tert-butyl ether	ND	5.0	µg/Kg	1	6/27/2005
Ethylbenzene	ND	5.0	µg/Kg	1	6/27/2005
Hexachlorobutadiene	ND	5.0	µg/Kg	1	6/27/2005
Isopropylbenzene	ND	5.0	µg/Kg	1	6/27/2005
m,p-Xylene	ND	10	µg/Kg	1	6/27/2005
Methylene chloride	ND	5.0	µg/Kg	1	6/27/2005
MTBE	ND	5.0	µg/Kg	1	6/27/2005
n-Butylbenzene	ND	5.0	µg/Kg	1	6/27/2005
n-Propylbenzene	ND	5.0	µg/Kg	1	6/27/2005
Naphthalene	ND	5.0	µg/Kg	1	6/27/2005
o-Xylene	ND	5.0	µg/Kg	1	6/27/2005
sec-Butylbenzene	ND	5.0	µg/Kg	1	6/27/2005
Styrene	ND	5.0	µg/Kg	1	6/27/2005
Tert-amyl methyl ether	ND	5.0	µg/Kg	1	6/27/2005
Tert-Butanol	ND	100	µg/Kg	1	6/27/2005

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

DO - Surrogate Diluted Out

H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT:	SCS Engineers	Client Sample ID:	B25-5
Lab Order:	077298		
Project:	Long Beach Public Service Yard, 01204007.02	Collection Date:	6/21/2005
Lab ID:	077298-014	Matrix:	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 8260B**

RunID: MS3_050627A	QC Batch: R05VS082	PrepDate:	Analyst: HH		
tert-Butylbenzene	ND	5.0	µg/Kg	1	6/27/2005
Tetrachloroethene	ND	5.0	µg/Kg	1	6/27/2005
Toluene	ND	5.0	µg/Kg	1	6/27/2005
trans-1,2-Dichloroethene	ND	5.0	µg/Kg	1	6/27/2005
Trichloroethene	ND	5.0	µg/Kg	1	6/27/2005
Trichlorofluoromethane	ND	5.0	µg/Kg	1	6/27/2005
Vinyl chloride	ND	5.0	µg/Kg	1	6/27/2005

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	E - Value above quantitation range
	DO - Surrogate Diluted Out	H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT: SCS Engineers

Client Sample ID: B25-10

Lab Order: 077298

Project: Long Beach Public Service Yard, 01204007.02

Collection Date: 6/21/2005

Lab ID: 077298-015

Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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HYDROCARBON CHAIN IDENTIFICATION (LUFT)

EPA 8015B(M)

RunID: GC7_BACK_050624B	QC Batch: 23319	PrepDate: 6/24/2005	Analyst: CBR
T/R Hydrocarbons: C13-C22	480	10	mg/Kg
		1	6/24/2005

HYDROCARBON CHAIN IDENTIFICATION (LUFT)

EPA 8015B

RunID: GC7_BACK_050624B	QC Batch: 23319	PrepDate: 6/24/2005	Analyst: CBR
T/R Hydrocarbons: >C32	ND	10	mg/Kg
		1	6/24/2005
T/R Hydrocarbons: C23-C32	13	10	mg/Kg
		1	6/24/2005

HYDROCARBON CHAIN IDENTIFICATION

EPA 8015B

RunID: GC2_050623A	QC Batch: E05VS163	PrepDate:	Analyst: TT
T/R Hydrocarbons: C4-C12	180	50	mg/Kg
		50	6/23/2005

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS3_050627A	QC Batch: R05VS082	PrepDate:	Analyst: HH
1,1,1,2-Tetrachloroethane	ND	250	µg/Kg
1,1,1-Trichloroethane	ND	250	µg/Kg
1,1,2,2-Tetrachloroethane	ND	250	µg/Kg
1,1,2-Trichloroethane	ND	250	µg/Kg
1,1-Dichloroethane	ND	250	µg/Kg
1,1-Dichloroethene	ND	250	µg/Kg
1,1-Dichloropropene	ND	250	µg/Kg
1,2,3-Trichlorobenzene	ND	250	µg/Kg
1,2,3-Trichloropropane	ND	250	µg/Kg
1,2,4-Trichlorobenzene	ND	250	µg/Kg
1,2,4-Trimethylbenzene	ND	250	µg/Kg
1,2-Dibromo-3-chloropropane	ND	500	µg/Kg
1,2-Dibromoethane	ND	250	µg/Kg
1,2-Dichlorobenzene	ND	250	µg/Kg
1,2-Dichloroethane	ND	250	µg/Kg
1,2-Dichloropropane	ND	250	µg/Kg
1,3,5-Trimethylbenzene	ND	250	µg/Kg
1,3-Dichlorobenzene	ND	250	µg/Kg
1,3-Dichloropropane	ND	250	µg/Kg

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

DO - Surrogate Diluted Out

H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology
Laboratories

Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT: SCS Engineers

Client Sample ID: B25-10

Lab Order: 077298

Project: Long Beach Public Service Yard, 01204007.02

Collection Date: 6/21/2005

Lab ID: 077298-015

Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS3_050627A	QC Batch: R05VS082	PrepDate:	Analyst: HH		
1,4-Dichlorobenzene	ND	250	µg/Kg	50	6/27/2005
2,2-Dichloropropane	ND	250	µg/Kg	50	6/27/2005
2-Chlorotoluene	ND	250	µg/Kg	50	6/27/2005
4-Chlorotoluene	ND	250	µg/Kg	50	6/27/2005
4-Isopropyltoluene	ND	250	µg/Kg	50	6/27/2005
Benzene	ND	250	µg/Kg	50	6/27/2005
Bromobenzene	ND	250	µg/Kg	50	6/27/2005
Bromodichloromethane	ND	250	µg/Kg	50	6/27/2005
Bromoform	ND	250	µg/Kg	50	6/27/2005
Bromomethane	ND	250	µg/Kg	50	6/27/2005
Carbon tetrachloride	ND	250	µg/Kg	50	6/27/2005
Chlorobenzene	ND	250	µg/Kg	50	6/27/2005
Chloroethane	ND	250	µg/Kg	50	6/27/2005
Chloroform	ND	250	µg/Kg	50	6/27/2005
Chloromethane	ND	250	µg/Kg	50	6/27/2005
cis-1,2-Dichloroethene	ND	250	µg/Kg	50	6/27/2005
cis-1,3-Dichloropropene	ND	250	µg/Kg	50	6/27/2005
Di-isopropyl ether	ND	250	µg/Kg	50	6/27/2005
Dibromochloromethane	ND	250	µg/Kg	50	6/27/2005
Dibromomethane	ND	250	µg/Kg	50	6/27/2005
Dichlorodifluoromethane	ND	250	µg/Kg	50	6/27/2005
Ethyl Tert-butyl ether	ND	250	µg/Kg	50	6/27/2005
Ethylbenzene	ND	250	µg/Kg	50	6/27/2005
Hexachlorobutadiene	ND	250	µg/Kg	50	6/27/2005
Isopropylbenzene	520	250	µg/Kg	50	6/27/2005
m,p-Xylene	ND	500	µg/Kg	50	6/27/2005
Methylene chloride	ND	250	µg/Kg	50	6/27/2005
MTBE	ND	250	µg/Kg	50	6/27/2005
n-Butylbenzene	ND	250	µg/Kg	50	6/27/2005
n-Propylbenzene	1300	250	µg/Kg	50	6/27/2005
Naphthalene	2500	250	µg/Kg	50	6/27/2005
o-Xylene	ND	250	µg/Kg	50	6/27/2005
sec-Butylbenzene	1300	250	µg/Kg	50	6/27/2005
Styrene	ND	250	µg/Kg	50	6/27/2005
Tert-amyl methyl ether	ND	250	µg/Kg	50	6/27/2005
Tert-Butanol	ND	5000	µg/Kg	50	6/27/2005

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

DO - Surrogate Diluted Out

H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT:	SCS Engineers	Client Sample ID:	B25-10
Lab Order:	077298		
Project:	Long Beach Public Service Yard, 01204007.02	Collection Date:	6/21/2005
Lab ID:	077298-015	Matrix:	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 8260B**

RunID: MS3_050627A	QC Batch: R05VS082	PrepDate:	Analyst: HH		
tert-Butylbenzene	ND	250	µg/Kg	50	6/27/2005
Tetrachloroethene	ND	250	µg/Kg	50	6/27/2005
Toluene	ND	250	µg/Kg	50	6/27/2005
trans-1,2-Dichloroethene	ND	250	µg/Kg	50	6/27/2005
Trichloroethene	ND	250	µg/Kg	50	6/27/2005
Trichlorofluoromethane	ND	250	µg/Kg	50	6/27/2005
Vinyl chloride	ND	250	µg/Kg	50	6/27/2005

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	E - Value above quantitation range
	DO - Surrogate Diluted Out	H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT: SCS Engineers **Client Sample ID:** B25-GW
Lab Order: 077298
Project: Long Beach Public Service Yard, 01204007.02 **Collection Date:** 6/21/2005
Lab ID: 077298-016 **Matrix:** WATER

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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HYDROCARBON CHAIN IDENTIFICATION

(EPA 3510C)

EPA 8015B(M)

RunID: GC7_BACK_050628A	QC Batch: 23355	PrepDate: 6/28/2005	Analyst: CBR		
T/R Hydrocarbons: C13-C22	2.6	0.20	mg/L	1	6/28/2005

HYDROCARBON CHAIN IDENTIFICATION

(EPA 3510C)

EPA 8015B

RunID: GC7_BACK_050628A	QC Batch: 23355	PrepDate: 6/28/2005	Analyst: CBR		
T/R Hydrocarbons: >C32	ND	0.20	mg/L	1	6/28/2005
T/R Hydrocarbons: C23-C32	ND	0.20	mg/L	1	6/28/2005

HYDROCARBON CHAIN IDENTIFICATION

EPA 8015B

RunID: GC6_050624A	QC Batch: I05VW121	PrepDate:	Analyst: MFR		
T/R Hydrocarbons: C4-C12	0.24	0.20	mg/L	1	6/24/2005

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS11_050628A	QC Batch: A05VW187	PrepDate:	Analyst: MFR		
1,1,1,2-Tetrachloroethane	ND	5.0	µg/L	1	6/28/2005
1,1,1-Trichloroethane	ND	5.0	µg/L	1	6/28/2005
1,1,2,2-Tetrachloroethane	ND	5.0	µg/L	1	6/28/2005
1,1,2-Trichloroethane	ND	5.0	µg/L	1	6/28/2005
1,1-Dichloroethane	ND	5.0	µg/L	1	6/28/2005
1,1-Dichloroethene	ND	5.0	µg/L	1	6/28/2005
1,1-Dichloropropene	ND	5.0	µg/L	1	6/28/2005
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1	6/28/2005
1,2,3-Trichloropropane	ND	5.0	µg/L	1	6/28/2005
1,2,4-Trichlorobenzene	ND	5.0	µg/L	1	6/28/2005
1,2,4-Trimethylbenzene	ND	5.0	µg/L	1	6/28/2005
1,2-Dibromo-3-chloropropane	ND	5.0	µg/L	1	6/28/2005
1,2-Dibromoethane	ND	5.0	µg/L	1	6/28/2005
1,2-Dichlorobenzene	ND	5.0	µg/L	1	6/28/2005
1,2-Dichloroethane	ND	5.0	µg/L	1	6/28/2005
1,2-Dichloropropane	ND	5.0	µg/L	1	6/28/2005
1,3,5-Trimethylbenzene	ND	5.0	µg/L	1	6/28/2005
1,3-Dichlorobenzene	ND	5.0	µg/L	1	6/28/2005
1,3-Dichloropropane	ND	5.0	µg/L	1	6/28/2005

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank E - Value above quantitation range
DO - Surrogate Diluted Out H-Samples exceeding holding time

Results are wet unless otherwise specified

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Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT: SCS Engineers **Client Sample ID:** B25-GW
Lab Order: 077298
Project: Long Beach Public Service Yard, 01204007.02 **Collection Date:** 6/21/2005
Lab ID: 077298-016 **Matrix:** WATER

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID:	MS11_050628A	QC Batch:	A05VW187	PrepDate:	Analyst:	MFR
1,4-Dichlorobenzene	ND	5.0	µg/L	1	6/28/2005	
2,2-Dichloropropane	ND	5.0	µg/L	1	6/28/2005	
2-Chlorotoluene	ND	5.0	µg/L	1	6/28/2005	
4-Chlorotoluene	ND	5.0	µg/L	1	6/28/2005	
4-Isopropyltoluene	ND	5.0	µg/L	1	6/28/2005	
Benzene	ND	5.0	µg/L	1	6/28/2005	
Bromobenzene	ND	5.0	µg/L	1	6/28/2005	
Bromodichloromethane	ND	5.0	µg/L	1	6/28/2005	
Bromoform	ND	5.0	µg/L	1	6/28/2005	
Bromomethane	ND	5.0	µg/L	1	6/28/2005	
Carbon tetrachloride	ND	5.0	µg/L	1	6/28/2005	
Chlorobenzene	ND	5.0	µg/L	1	6/28/2005	
Chloroethane	ND	5.0	µg/L	1	6/28/2005	
Chloroform	ND	5.0	µg/L	1	6/28/2005	
Chloromethane	ND	5.0	µg/L	1	6/28/2005	
cis-1,2-Dichloroethene	ND	5.0	µg/L	1	6/28/2005	
cis-1,3-Dichloropropene	ND	5.0	µg/L	1	6/28/2005	
Di-isopropyl ether	ND	5.0	µg/L	1	6/28/2005	
Dibromochloromethane	ND	5.0	µg/L	1	6/28/2005	
Dibromomethane	ND	5.0	µg/L	1	6/28/2005	
Dichlorodifluoromethane	ND	5.0	µg/L	1	6/28/2005	
Ethyl tert-butyl ether	ND	5.0	µg/L	1	6/28/2005	
Ethylbenzene	ND	5.0	µg/L	1	6/28/2005	
Hexachlorobutadiene	ND	5.0	µg/L	1	6/28/2005	
Isopropylbenzene	ND	5.0	µg/L	1	6/28/2005	
m,p-Xylene	ND	10	µg/L	1	6/28/2005	
Methylene chloride	ND	5.0	µg/L	1	6/28/2005	
MTBE	ND	5.0	µg/L	1	6/28/2005	
n-Butylbenzene	ND	5.0	µg/L	1	6/28/2005	
n-Propylbenzene	ND	5.0	µg/L	1	6/28/2005	
Naphthalene	ND	5.0	µg/L	1	6/28/2005	
o-Xylene	ND	5.0	µg/L	1	6/28/2005	
sec-Butylbenzene	ND	5.0	µg/L	1	6/28/2005	
Styrene	ND	5.0	µg/L	1	6/28/2005	
Tert-amyl methyl ether	ND	5.0	µg/L	1	6/28/2005	
Tert-Butanol	ND	100	µg/L	1	6/28/2005	

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank E - Value above quantitation range
 DO - Surrogate Diluted Out H-Samples exceeding holding time

Results are wet unless otherwise specified

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Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT: SCS Engineers

Client Sample ID: B25-GW

Lab Order: 077298

Project: Long Beach Public Service Yard, 01204007.02

Collection Date: 6/21/2005

Lab ID: 077298-016

Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 8260B**

RunID: MS11_050628A

QC Batch: A05VW187

PrepDate:

Analyst: MFR

tert-Butylbenzene	ND	5.0	µg/L	1	6/28/2005
Tetrachloroethene	ND	5.0	µg/L	1	6/28/2005
Toluene	ND	5.0	µg/L	1	6/28/2005
trans-1,2-Dichloroethene	ND	5.0	µg/L	1	6/28/2005
Trichloroethene	ND	5.0	µg/L	1	6/28/2005
Trichlorofluoromethane	ND	5.0	µg/L	1	6/28/2005
Vinyl chloride	ND	5.0	µg/L	1	6/28/2005

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

DO - Surrogate Diluted Out

H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT: SCS Engineers**Client Sample ID:** B26-5**Lab Order:** 077298**Project:** Long Beach Public Service Yard, 01204007.02**Collection Date:** 6/21/2005**Lab ID:** 077298-017**Matrix:** SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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HYDROCARBON CHAIN IDENTIFICATION

(LUFT)

EPA 8015B(M)

RunID: GC7_BACK_050624B	QC Batch: 23319	PrepDate: 6/24/2005	Analyst: CBR
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T/R Hydrocarbons: C13-C22	ND	10	mg/Kg	1	6/24/2005
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HYDROCARBON CHAIN IDENTIFICATION

(LUFT)

EPA 8015B

RunID: GC7_BACK_050624B	QC Batch: 23319	PrepDate: 6/24/2005	Analyst: CBR
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T/R Hydrocarbons: >C32	ND	10	mg/Kg	1	6/24/2005
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T/R Hydrocarbons: C23-C32	ND	10	mg/Kg	1	6/24/2005
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HYDROCARBON CHAIN IDENTIFICATION**EPA 8015B**

RunID: GC2_050623A	QC Batch: E05VS163	PrepDate:	Analyst: TT
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T/R Hydrocarbons: C4-C12	ND	1.0	mg/Kg	1	6/23/2005
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Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT: SCS Engineers **Client Sample ID:** B26-10
Lab Order: 077298
Project: Long Beach Public Service Yard, 01204007.02 **Collection Date:** 6/21/2005
Lab ID: 077298-018 **Matrix:** SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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**HYDROCARBON CHAIN IDENTIFICATION
(LUFT)****EPA 8015B(M)**

RunID: GC7_BACK_050624B	QC Batch: 23319				PrepDate: 6/24/2005	Analyst: CBR
T/R Hydrocarbons: C13-C22	2600	50		mg/Kg	5	6/28/2005

**HYDROCARBON CHAIN IDENTIFICATION
(LUFT)****EPA 8015B**

RunID: GC7_BACK_050624B	QC Batch: 23319				PrepDate: 6/24/2005	Analyst: CBR
T/R Hydrocarbons: >C32	ND	50		mg/Kg	5	6/28/2005
T/R Hydrocarbons: C23-C32	ND	50		mg/Kg	5	6/28/2005

HYDROCARBON CHAIN IDENTIFICATION**EPA 8015B**

RunID: GC2_050623A	QC Batch: E05VS163				PrepDate:	Analyst: TT
T/R Hydrocarbons: C4-C12	1100	50		mg/Kg	50	6/23/2005

VOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 8260B**

RunID: MS1_050628A	QC Batch: P05VS097				PrepDate:	Analyst: HH
1,1,1,2-Tetrachloroethane	ND	250		µg/Kg	50	6/28/2005
1,1,1-Trichloroethane	ND	250		µg/Kg	50	6/28/2005
1,1,2,2-Tetrachloroethane	ND	250		µg/Kg	50	6/28/2005
1,1,2-Trichloroethane	ND	250		µg/Kg	50	6/28/2005
1,1-Dichloroethane	ND	250		µg/Kg	50	6/28/2005
1,1-Dichloroethene	ND	250		µg/Kg	50	6/28/2005
1,1-Dichloropropene	ND	250		µg/Kg	50	6/28/2005
1,2,3-Trichlorobenzene	ND	250		µg/Kg	50	6/28/2005
1,2,3-Trichloropropane	ND	250		µg/Kg	50	6/28/2005
1,2,4-Trichlorobenzene	ND	250		µg/Kg	50	6/28/2005
1,2,4-Trimethylbenzene	ND	250		µg/Kg	50	6/28/2005
1,2-Dibromo-3-chloropropane	ND	500		µg/Kg	50	6/28/2005
1,2-Dibromoethane	ND	250		µg/Kg	50	6/28/2005
1,2-Dichlorobenzene	ND	250		µg/Kg	50	6/28/2005
1,2-Dichloroethane	ND	250		µg/Kg	50	6/28/2005
1,2-Dichloropropane	ND	250		µg/Kg	50	6/28/2005
1,3,5-Trimethylbenzene	ND	250		µg/Kg	50	6/28/2005
1,3-Dichlorobenzene	ND	250		µg/Kg	50	6/28/2005
1,3-Dichloropropane	ND	250		µg/Kg	50	6/28/2005

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT: SCS Engineers

Client Sample ID: B26-10

Lab Order: 077298

Project: Long Beach Public Service Yard, 01204007.02

Collection Date: 6/21/2005

Lab ID: 077298-018

Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 8260B**

RunID: MS1_050628A	QC Batch: P05VS097	PrepDate:	Analyst: HH		
1,4-Dichlorobenzene	ND	250	µg/Kg	50	6/28/2005
2,2-Dichloropropane	ND	250	µg/Kg	50	6/28/2005
2-Chlorotoluene	ND	250	µg/Kg	50	6/28/2005
4-Chlorotoluene	ND	250	µg/Kg	50	6/28/2005
4-Isopropyltoluene	ND	250	µg/Kg	50	6/28/2005
Benzene	ND	250	µg/Kg	50	6/28/2005
Bromobenzene	ND	250	µg/Kg	50	6/28/2005
Bromodichloromethane	ND	250	µg/Kg	50	6/28/2005
Bromoform	ND	250	µg/Kg	50	6/28/2005
Bromomethane	ND	250	µg/Kg	50	6/28/2005
Carbon tetrachloride	ND	250	µg/Kg	50	6/28/2005
Chlorobenzene	ND	250	µg/Kg	50	6/28/2005
Chloroethane	ND	250	µg/Kg	50	6/28/2005
Chloroform	ND	250	µg/Kg	50	6/28/2005
Chloromethane	ND	250	µg/Kg	50	6/28/2005
cis-1,2-Dichloroethene	ND	250	µg/Kg	50	6/28/2005
cis-1,3-Dichloropropene	ND	250	µg/Kg	50	6/28/2005
Di-isopropyl ether	ND	250	µg/Kg	50	6/28/2005
Dibromochloromethane	ND	250	µg/Kg	50	6/28/2005
Dibromomethane	ND	250	µg/Kg	50	6/28/2005
Dichlorodifluoromethane	ND	250	µg/Kg	50	6/28/2005
Ethyl Tert-butyl ether	ND	250	µg/Kg	50	6/28/2005
Ethylbenzene	ND	250	µg/Kg	50	6/28/2005
Hexachlorobutadiene	ND	250	µg/Kg	50	6/28/2005
Isopropylbenzene	8200	250	µg/Kg	50	6/28/2005
m,p-Xylene	ND	500	µg/Kg	50	6/28/2005
Methylene chloride	ND	250	µg/Kg	50	6/28/2005
MTBE	ND	250	µg/Kg	50	6/28/2005
n-Butylbenzene	ND	250	µg/Kg	50	6/28/2005
n-Propylbenzene	17000	250	µg/Kg	50	6/28/2005
Naphthalene	15000	250	µg/Kg	50	6/28/2005
o-Xylene	ND	250	µg/Kg	50	6/28/2005
sec-Butylbenzene	12000	250	µg/Kg	50	6/28/2005
Styrene	ND	250	µg/Kg	50	6/28/2005
Tert-amyl methyl ether	ND	250	µg/Kg	50	6/28/2005
Tert-Butanol	ND	5000	µg/Kg	50	6/28/2005

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

DO - Surrogate Diluted Out

H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT:	SCS Engineers	Client Sample ID:	B26-10
Lab Order:	077298		
Project:	Long Beach Public Service Yard, 01204007.02	Collection Date:	6/21/2005
Lab ID:	077298-018	Matrix:	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 8260B**

RunID: MS1_050628A	QC Batch: P05VS097	PrepDate:	Analyst: HH		
tert-Butylbenzene	630	250	µg/Kg	50	6/28/2005
Tetrachloroethene	ND	250	µg/Kg	50	6/28/2005
Toluene	ND	250	µg/Kg	50	6/28/2005
trans-1,2-Dichloroethene	ND	250	µg/Kg	50	6/28/2005
Trichloroethene	ND	250	µg/Kg	50	6/28/2005
Trichlorofluoromethane	ND	250	µg/Kg	50	6/28/2005
Vinyl chloride	ND	250	µg/Kg	50	6/28/2005

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	E - Value above quantitation range
	DO - Surrogate Diluted Out	H-Samples exceeding holding time

Results are wet unless otherwise specified

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CLIENT: SCS Engineers
Work Order: 077298
Project: Long Beach Public Service Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT**TestCode: 6010_S**

Sample ID: MB-23346	SampType: MBLK	TestCode: 6010_S	Units: mg/Kg	Prep Date: 6/27/2005	Run ID: ICP6_050628A						
Client ID: ZZZZZ	Batch ID: 23346	TestNo: EPA 6010B	(EPA 3050B)	Analysis Date: 6/28/2005	SeqNo: 757990						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	2.0									
Arsenic	ND	1.0									
Barium	ND	1.0									
Beryllium	ND	1.0									
Cadmium	ND	1.0									
Chromium	ND	1.0									
Cobalt	ND	1.0									
Copper	ND	2.0									
Lead	ND	1.0									
Molybdenum	ND	1.0									
Nickel	ND	1.0									
Selenium	ND	1.0									
Silver	ND	1.0									
Thallium	ND	1.0									
Vanadium	ND	1.0									
Zinc	ND	1.0									

Sample ID: LCS-23346	SampType: LCS	TestCode: 6010_S	Units: mg/Kg	Prep Date: 6/27/2005	Run ID: ICP6_050628A						
Client ID: ZZZZZ	Batch ID: 23346	TestNo: EPA 6010B	(EPA 3050B)	Analysis Date: 6/28/2005	SeqNo: 757991						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	47.11	2.0	50	0	94.2	80	120	0	0		
Arsenic	48.46	1.0	50	0	96.9	80	120	0	0		
Barium	49.71	1.0	50	0	99.4	80	120	0	0		
Beryllium	47.35	1.0	50	0	94.7	80	120	0	0		
Cadmium	47.6	1.0	50	0	95.2	80	120	0	0		
Chromium	49.41	1.0	50	0	98.8	80	120	0	0		
Cobalt	47.32	1.0	50	0	94.6	80	120	0	0		
Copper	54.35	2.0	50	0	109	80	120	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

Calculations are based on raw values

DO- Surrogate dilute out

H - Sample exceeded holding time



CLIENT: SCS Engineers
Work Order: 077298
Project: Long Beach Public Service Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: LCS-23346	SampType: LCS	TestCode: 6010_S	Units: mg/Kg	Prep Date: 6/27/2005	Run ID: ICP6_050628A						
Client ID: ZZZZZ	Batch ID: 23346	TestNo: EPA 6010B (EPA 3050B)		Analysis Date: 6/28/2005	SeqNo: 757991						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	55.62	1.0	50	0	111	80	120	0	0		
Molybdenum	49.74	1.0	50	0	99.5	80	120	0	0		
Nickel	48.92	1.0	50	0	97.8	80	120	0	0		
Selenium	46.83	1.0	50	0	93.7	80	120	0	0		
Silver	46.78	1.0	50	0	93.6	80	120	0	0		
Thallium	47.42	1.0	50	0	94.8	80	120	0	0		
Vanadium	49.62	1.0	50	0	99.2	80	120	0	0		
Zinc	48.85	1.0	50	0	97.7	80	120	0	0		

Sample ID: 077368-002AMS	SampType: MS	TestCode: 6010_S	Units: mg/Kg	Prep Date: 6/27/2005	Run ID: ICP6_050628A						
Client ID: ZZZZZ	Batch ID: 23346	TestNo: EPA 6010B (EPA 3050B)		Analysis Date: 6/28/2005	SeqNo: 757992						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Antimony	ND	200	125	0	0	23	118	0	0		S
Arsenic	ND	100	125	0	0	64	111	0	0		S
Barium	113.7	100	125	4.468	87.4	36	146	0	0		
Beryllium	114.2	100	125	0	91.4	50	120	0	0		
Cadmium	109.1	100	125	0	87.3	62	107	0	0		
Chromium	157.5	100	125	50.8	85.3	63	119	0	0		
Cobalt	117.8	100	125	0	94.2	63	111	0	0		
Copper	ND	200	125	0	156	58	136	0	0		S
Lead	12370	100	125	14220	-1480	47	125	0	0		S
Molybdenum	ND	100	125	0	69.4	63	116	0	0		
Nickel	400.4	100	125	333.3	53.7	57	116	0	0		S
Selenium	ND	100	125	0	0	47	118	0	0		S
Silver	105.9	100	125	0	84.7	48	125	0	0		
Thallium	155.4	100	125	0	124	49	116	0	0		S
Vanadium	103.9	100	125	0	83.1	65	122	0	0		
Zinc	119.4	100	125	0	95.5	36	140	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits DO- Surrogate dilute out
J - Analyte detected below quantitation limits B - Analyte detected in the associated Method Blank H - Sample exceeded holding time
R - RPD outside accepted recovery limits Calculations are based on raw values



CLIENT: SCS Engineers
Work Order: 077298
Project: Long Beach Public Service Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

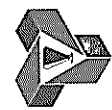
TestCode: 6010_S

Sample ID: 077368-002AMSD	SampType: MSD	TestCode: 6010_S	Units: mg/Kg	Prep Date: 6/27/2005	Run ID: ICP6_050628A						
Client ID: ZZZZZ	Batch ID: 23346	TestNo: EPA 6010B	(EPA 3050B)	Analysis Date: 6/28/2005	SeqNo: 757993						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	200	125	0	0	23	118	0	0	20	S
Arsenic	ND	100	125	0	72.2	64	111	0	0	20	
Barium	120.2	100	125	4.468	92.6	36	146	113.7	5.57	20	
Beryllium	115.1	100	125	0	92.1	50	120	114.2	0.797	20	
Cadmium	116.7	100	125	0	93.4	62	107	109.1	6.72	20	
Chromium	161.6	100	125	50.8	88.6	63	119	157.5	2.58	20	
Cobalt	122.6	100	125	0	98.1	63	111	117.8	4.02	20	
Copper	ND	200	125	0	148	58	136	194.4	0	20	S
Lead	12680	100	125	14220	-1230	47	125	12370	2.47	20	S
Molybdenum	ND	100	125	0	73.8	63	116	86.72	0	20	
Nickel	393.8	100	125	333.3	48.4	57	116	400.4	1.67	20	S
Selenium	ND	100	125	0	0	47	118	0	0	20	S
Silver	107.8	100	125	0	86.3	48	125	105.9	1.82	20	
Thallium	141.4	100	125	0	113	49	116	155.4	9.44	20	
Vanadium	107.1	100	125	0	85.7	65	122	103.9	3.11	20	
Zinc	125.3	100	125	0	100	36	140	119.4	4.79	20	

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values

DO- Surrogate dilute out
H - Sample exceeded holding time



CLIENT: SCS Engineers
Work Order: 077298
Project: Long Beach Public Service Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

TestCode: 7471_S

Sample ID: MB-23350	SampType: MBLK	TestCode: 7471_S	Units: mg/Kg	Prep Date: 6/27/2005	Run ID: AA1_050628B						
Client ID: ZZZZZ	Batch ID: 23350	TestNo: EPA 7471A	(EPA 7471)	Analysis Date: 6/28/2005	SeqNo: 758157						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.10									

Sample ID: LCS-23350	SampType: LCS	TestCode: 7471_S	Units: mg/Kg	Prep Date: 6/27/2005	Run ID: AA1_050628B						
Client ID: ZZZZZ	Batch ID: 23350	TestNo: EPA 7471A	(EPA 7471)	Analysis Date: 6/28/2005	SeqNo: 758156						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	2.252	0.10	2.08	0	108	80	120	0	0		

Sample ID: 077368-002AMS	SampType: MS	TestCode: 7471_S	Units: mg/Kg	Prep Date: 6/27/2005	Run ID: AA1_050628B						
Client ID: ZZZZZ	Batch ID: 23350	TestNo: EPA 7471A	(EPA 7471)	Analysis Date: 6/28/2005	SeqNo: 758154						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.9477	0.10	0.83	0.03864	110	62	146	0	0		

Sample ID: 077368-002AMSD	SampType: MSD	TestCode: 7471_S	Units: mg/Kg	Prep Date: 6/27/2005	Run ID: AA1_050628B						
Client ID: ZZZZZ	Batch ID: 23350	TestNo: EPA 7471A	(EPA 7471)	Analysis Date: 6/28/2005	SeqNo: 758155						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.9947	0.10	0.83	0.03864	115	62	146	0.9477	4.84	30	

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values

DO- Surrogate dilute out
H - Sample exceeded holding time



CLIENT: SCS Engineers
Work Order: 077298
Project: Long Beach Public Service Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: R050627MB2	SampType: MBLK	TestCode: 8260_S	Units: µg/Kg	Prep Date:	Run ID: MS3_050627A						
Client ID: ZZZZZ	Batch ID: R05VS082	TestNo: EPA 8260B		Analysis Date: 6/27/2005	SeqNo: 757483						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0									
1,1,1-Trichloroethane	ND	5.0									
1,1,2,2-Tetrachloroethane	ND	5.0									
1,1,2-Trichloroethane	ND	5.0									
1,1-Dichloroethane	ND	5.0									
1,1-Dichloroethene	ND	5.0									
1,1-Dichloropropene	ND	5.0									
1,2,3-Trichlorobenzene	ND	5.0									
1,2,3-Trichloropropane	ND	5.0									
1,2,4-Trichlorobenzene	ND	5.0									
1,2,4-Trimethylbenzene	ND	5.0									
1,2-Dibromo-3-chloropropane	ND	10									
1,2-Dibromoethane	ND	5.0									
1,2-Dichlorobenzene	ND	5.0									
1,2-Dichloroethane	ND	5.0									
1,2-Dichloropropane	ND	5.0									
1,3,5-Trimethylbenzene	ND	5.0									
1,3-Dichlorobenzene	ND	5.0									
1,3-Dichloropropane	ND	5.0									
1,4-Dichlorobenzene	ND	5.0									
2,2-Dichloropropane	ND	5.0									
2-Chlorotoluene	ND	5.0									
4-Chlorotoluene	ND	5.0									
4-Isopropyltoluene	ND	5.0									
Benzene	ND	5.0									
Bromobenzene	ND	5.0									
Bromodichloromethane	ND	5.0									
Bromoform	ND	5.0									
Bromomethane	ND	5.0									
Carbon tetrachloride	ND	5.0									

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values

DO- Surrogate dilute out
H - Sample exceeded holding time



CLIENT: SCS Engineers
Work Order: 077298
Project: Long Beach Public Service Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: R050627MB2	SampType: MBLK	TestCode: 8260_S	Units: µg/Kg	Prep Date:	Run ID: MS3_050627A						
Client ID: ZZZZZ	Batch ID: R05VS082	TestNo: EPA 8260B		Analysis Date: 6/27/2005	SeqNo: 757483						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorobenzene	ND	5.0									
Chloroethane	ND	5.0									
Chloroform	ND	5.0									
Chloromethane	ND	5.0									
cis-1,2-Dichloroethene	ND	5.0									
cis-1,3-Dichloropropene	ND	5.0									
Di-isopropyl ether	ND	5.0									
Dibromochloromethane	ND	5.0									
Dibromomethane	ND	5.0									
Dichlorodifluoromethane	ND	5.0									
Ethyl Tert-butyl ether	ND	5.0									
Ethylbenzene	ND	5.0									
Hexachlorobutadiene	ND	5.0									
Isopropylbenzene	ND	5.0									
m,p-Xylene	ND	10									
Methylene chloride	ND	5.0									
MTBE	ND	5.0									
n-Butylbenzene	ND	5.0									
n-Propylbenzene	ND	5.0									
Naphthalene	ND	5.0									
o-Xylene	ND	5.0									
sec-Butylbenzene	ND	5.0									
Styrene	ND	5.0									
Tert-amyl methyl ether	ND	5.0									
Tert-Butanol	ND	100									
tert-Butylbenzene	ND	5.0									
Tetrachloroethene	ND	5.0									
Toluene	ND	5.0									
trans-1,2-Dichloroethene	ND	5.0									
Trichloroethene	ND	5.0									

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits DO- Surrogate dilute out
J - Analyte detected below quantitation limits B - Analyte detected in the associated Method Blank H - Sample exceeded holding time
R - RPD outside accepted recovery limits Calculations are based on raw values



CLIENT: SCS Engineers
Work Order: 077298
Project: Long Beach Public Service Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: R050627MB2	SampType: MBLK	TestCode: 8260_S	Units: µg/Kg	Prep Date:	Run ID: MS3_050627A						
Client ID: ZZZZZ	Batch ID: R05VS082	TestNo: EPA 8260B		Analysis Date: 6/27/2005	SeqNo: 757483						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Trichlorofluoromethane	ND	5.0									
Vinyl chloride	ND	5.0									
Surr: 1,2-Dichloroethane-d4	42.1	5.0	50	0	84.2	66	149	0	0		
Surr: 4-Bromofluorobenzene	44.76	5.0	50	0	89.5	83	125	0	0		
Surr: Dibromofluoromethane	44.94	5.0	50	0	89.9	75	139	0	0		
Surr: Toluene-d8	46.73	5.0	50	0	93.5	87	133	0	0		

Sample ID: P050628MB2	SampType: MBLK	TestCode: 8260_S	Units: µg/Kg	Prep Date:	Run ID: MS1_050628A						
Client ID: ZZZZZ	Batch ID: P05VS097	TestNo: EPA 8260B		Analysis Date: 6/28/2005	SeqNo: 758122						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	ND	5.0									
1,1,2,2-Tetrachloroethane	ND	5.0									
1,1,2-Trichloroethane	ND	5.0									
1,1-Dichloroethane	ND	5.0									
1,1-Dichloroethene	ND	5.0									
1,1-Dichloropropene	ND	5.0									
1,2,3-Trichlorobenzene	ND	5.0									
1,2,3-Trichloropropane	ND	5.0									
1,2,4-Trichlorobenzene	ND	5.0									
1,2,4-Trimethylbenzene	ND	5.0									
1,2-Dibromo-3-chloropropane	ND	10									
1,2-Dibromoethane	ND	5.0									
1,2-Dichlorobenzene	ND	5.0									
1,2-Dichloroethane	ND	5.0									
1,2-Dichloropropane	ND	5.0									
1,3,5-Trimethylbenzene	ND	5.0									
1,3-Dichlorobenzene	ND	5.0									
1,3-Dichloropropane	ND	5.0									
1,4-Dichlorobenzene	ND	5.0									

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits DO- Surrogate dilute out
J - Analyte detected below quantitation limits B - Analyte detected in the associated Method Blank H - Sample exceeded holding time
R - RPD outside accepted recovery limits Calculations are based on raw values



CLIENT: SCS Engineers
Work Order: 077298
Project: Long Beach Public Service Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: P050628MB2	SampType: MBLK	TestCode: 8260_S	Units: µg/Kg	Prep Date:	Run ID: MS1_050628A						
Client ID: ZZZZZ	Batch ID: P05VS097	TestNo: EPA 8260B		Analysis Date: 6/28/2005	SeqNo: 758122						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,2-Dichloropropane	ND	5.0									
2-Chlorotoluene	ND	5.0									
4-Chlorotoluene	ND	5.0									
4-Isopropyltoluene	ND	5.0									
Benzene	ND	5.0									
Bromobenzene	ND	5.0									
Bromodichloromethane	ND	5.0									
Bromoform	ND	5.0									
Bromomethane	ND	5.0									
Carbon tetrachloride	ND	5.0									
Chlorobenzene	ND	5.0									
Chloroethane	ND	5.0									
Chloroform	ND	5.0									
Chloromethane	ND	5.0									
cis-1,2-Dichloroethene	ND	5.0									
cis-1,3-Dichloropropene	ND	5.0									
Di-isopropyl ether	ND	5.0									
Dibromochloromethane	ND	5.0									
Dibromomethane	ND	5.0									
Dichlorodifluoromethane	ND	5.0									
Ethyl Tert-butyl ether	ND	5.0									
Ethylbenzene	ND	5.0									
Hexachlorobutadiene	ND	5.0									
Isopropylbenzene	ND	5.0									
m,p-Xylene	ND	10									
Methylene chloride	ND	5.0									
MTBE	ND	5.0									
n-Butylbenzene	ND	5.0									
n-Propylbenzene	ND	5.0									
Naphthalene	ND	5.0									

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits DO- Surrogate dilute out
J - Analyte detected below quantitation limits B - Analyte detected in the associated Method Blank H - Sample exceeded holding time
R - RPD outside accepted recovery limits Calculations are based on raw values



CLIENT: SCS Engineers
Work Order: 077298
Project: Long Beach Public Service Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: P050628MB2	SampType: MBLK	TestCode: 8260_S	Units: µg/Kg	Prep Date:	Run ID: MS1_050628A						
Client ID: ZZZZZ	Batch ID: P05VS097	TestNo: EPA 8260B		Analysis Date: 6/28/2005	SeqNo: 758122						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
o-Xylene	ND	5.0									
sec-Butylbenzene	ND	5.0									
Styrene	ND	5.0									
Tert-amyl methyl ether	ND	5.0									
Tert-Butanol	ND	100									
tert-Butylbenzene	ND	5.0									
Tetrachloroethene	ND	5.0									
Toluene	ND	5.0									
trans-1,2-Dichloroethene	ND	5.0									
Trichloroethene	ND	5.0									
Trichlorofluoromethane	ND	5.0									
Vinyl chloride	ND	5.0									
Surr: 1,2-Dichloroethane-d4	45.52	5.0	50	0	91	66	149	0	0		
Surr: 4-Bromofluorobenzene	44.68	5.0	50	0	89.4	83	125	0	0		
Surr: Dibromofluoromethane	54.2	5.0	50	0	108	75	139	0	0		
Surr: Toluene-d8	51.78	5.0	50	0	104	87	133	0	0		

Sample ID: R050627LC2	SampType: LCS	TestCode: 8260_S	Units: µg/Kg	Prep Date:	Run ID: MS3_050627A						
Client ID: ZZZZZ	Batch ID: R05VS082	TestNo: EPA 8260B		Analysis Date: 6/27/2005	SeqNo: 757480						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	103.6	5.0	100	0	104	70	119	0	0		
Benzene	102.7	5.0	100	0	103	80	121	0	0		
Chlorobenzene	109.1	5.0	100	0	109	88	129	0	0		
MTBE	81.75	5.0	100	0	81.8	59	126	0	0		
Toluene	105.7	5.0	100	0	106	84	126	0	0		
Trichloroethene	108.3	5.0	100	0	108	83	129	0	0		
Surr: 1,2-Dichloroethane-d4	39.42	5.0	50	0	78.8	66	149	0	0		
Surr: 4-Bromofluorobenzene	49.81	5.0	50	0	99.6	83	125	0	0		
Surr: Dibromofluoromethane	43.76	5.0	50	0	87.5	75	139	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits DO- Surrogate dilute out
 J - Analyte detected below quantitation limits B - Analyte detected in the associated Method Blank H - Sample exceeded holding time
 R - RPD outside accepted recovery limits Calculations are based on raw values



CLIENT: SCS Engineers
Work Order: 077298
Project: Long Beach Public Service Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

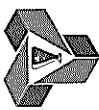
TestCode: 8260_S

Sample ID: R050627LC2	SampType: LCS	TestCode: 8260_S	Units: µg/Kg	Prep Date:	Run ID: MS3_050627A						
Client ID: ZZZZZ	Batch ID: R05VS082	TestNo: EPA 8260B		Analysis Date: 6/27/2005	SeqNo: 757480						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Toluene-d8	48.58	5.0	50	0	97.2	87	133	0	0		

Sample ID: P050628LC1	SampType: LCS	TestCode: 8260_S	Units: µg/Kg	Prep Date:	Run ID: MS1_050628A						
Client ID: ZZZZZ	Batch ID: P05VS097	TestNo: EPA 8260B		Analysis Date: 6/28/2005	SeqNo: 758113						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	114.3	5.0	100	0	114	70	119	0	0		
Benzene	109.5	5.0	100	0	110	80	121	0	0		
Chlorobenzene	120.8	5.0	100	0	121	88	129	0	0		
MTBE	92.53	5.0	100	0	92.5	59	126	0	0		
Toluene	108.7	5.0	100	0	109	84	126	0	0		
Trichloroethene	109.7	5.0	100	0	110	83	129	0	0		
Surr: 1,2-Dichloroethane-d4	40.8	5.0	50	0	81.6	66	149	0	0		
Surr: 4-Bromofluorobenzene	47.37	5.0	50	0	94.7	83	125	0	0		
Surr: Dibromofluoromethane	49.33	5.0	50	0	98.7	75	139	0	0		
Surr: Toluene-d8	52.31	5.0	50	0	105	87	133	0	0		

Sample ID: R050627MB2MS	SampType: MS	TestCode: 8260_S	Units: µg/Kg	Prep Date:	Run ID: MS3_050627A						
Client ID: ZZZZZ	Batch ID: R05VS082	TestNo: EPA 8260B		Analysis Date: 6/27/2005	SeqNo: 757481						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	101.5	5.0	100	0	102	52	135	0	0		
Benzene	105.2	5.0	100	0	105	52	143	0	0		
Chlorobenzene	108.9	5.0	100	0	109	48	154	0	0		
MTBE	86.66	5.0	100	0	86.7	34	156	0	0		
Toluene	106.8	5.0	100	0	107	54	146	0	0		
Trichloroethene	108.4	5.0	100	0	108	44	169	0	0		
Surr: 1,2-Dichloroethane-d4	40.33	5.0	50	0	80.7	66	149	0	0		
Surr: 4-Bromofluorobenzene	49.18	5.0	50	0	98.4	83	125	0	0		
Surr: Dibromofluoromethane	43.43	5.0	50	0	86.9	75	139	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits DO- Surrogate dilute out
J - Analyte detected below quantitation limits B - Analyte detected in the associated Method Blank H - Sample exceeded holding time
R - RPD outside accepted recovery limits Calculations are based on raw values



CLIENT: SCS Engineers
Work Order: 077298
Project: Long Beach Public Service Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: R050627MB2MS	SampType: MS	TestCode: 8260_S	Units: µg/Kg	Prep Date:	Run ID: MS3_050627A						
Client ID: ZZZZZ	Batch ID: R05VS082	TestNo: EPA 8260B		Analysis Date: 6/27/2005	SeqNo: 757481						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Toluene-d8	48.52	5.0	50	0	97	87	133	0	0		

Sample ID: P050628MB2MS	SampType: MS	TestCode: 8260_S	Units: µg/Kg	Prep Date:	Run ID: MS1_050628A						
Client ID: ZZZZZ	Batch ID: P05VS097	TestNo: EPA 8260B		Analysis Date: 6/28/2005	SeqNo: 758117						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	112.2	5.0	100	0	112	52	135	0	0		
Benzene	105.6	5.0	100	0	106	52	143	0	0		
Chlorobenzene	120.2	5.0	100	0	120	48	154	0	0		
MTBE	90.33	5.0	100	0	90.3	34	156	0	0		
Toluene	106	5.0	100	0	106	54	146	0	0		
Trichloroethene	106.7	5.0	100	0	107	44	169	0	0		
Surr: 1,2-Dichloroethane-d4	40.44	5.0	50	0	80.9	66	149	0	0		
Surr: 4-Bromofluorobenzene	47.99	5.0	50	0	96	83	125	0	0		
Surr: Dibromofluoromethane	49.39	5.0	50	0	98.8	75	139	0	0		
Surr: Toluene-d8	50.97	5.0	50	0	102	87	133	0	0		

Sample ID: R050627MB2MSD	SampType: MSD	TestCode: 8260_S	Units: µg/Kg	Prep Date:	Run ID: MS3_050627A						
Client ID: ZZZZZ	Batch ID: R05VS082	TestNo: EPA 8260B		Analysis Date: 6/27/2005	SeqNo: 757482						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	103.5	5.0	100	0	104	52	135	101.5	1.96	30	
Benzene	105.2	5.0	100	0	105	52	143	105.2	0.0570	30	
Chlorobenzene	107.2	5.0	100	0	107	48	154	108.9	1.58	30	
MTBE	88.82	5.0	100	0	88.8	34	156	86.66	2.46	30	
Toluene	106.4	5.0	100	0	106	54	146	106.8	0.319	30	
Trichloroethene	108.9	5.0	100	0	109	44	169	108.4	0.469	30	
Surr: 1,2-Dichloroethane-d4	40.45	5.0	50	0	80.9	66	149	0	0	30	
Surr: 4-Bromofluorobenzene	48.13	5.0	50	0	96.3	83	125	0	0	30	
Surr: Dibromofluoromethane	43.84	5.0	50	0	87.7	75	139	0	0	30	

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits
 B - Analyte detected in the associated Method Blank
 Calculations are based on raw values

DO - Surrogate dilute out
 H - Sample exceeded holding time



CLIENT: SCS Engineers
Work Order: 077298
Project: Long Beach Public Service Yard, 01204007.02

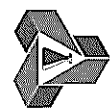
ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: R050627MB2MSD	SampType: MSD	TestCode: 8260_S	Units: µg/Kg	Prep Date:	Run ID: MS3_050627A						
Client ID: ZZZZZ	Batch ID: R05VS082	TestNo: EPA 8260B		Analysis Date: 6/27/2005	SeqNo: 757482						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Toluene-d8	48.07	5.0	50	0	96.1	87	133	0	0	30	

Sample ID: P050628MB2MSD	SampType: MSD	TestCode: 8260_S	Units: µg/Kg	Prep Date:	Run ID: MS1_050628A						
Client ID: ZZZZZ	Batch ID: P05VS097	TestNo: EPA 8260B		Analysis Date: 6/28/2005	SeqNo: 758119						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	109.4	5.0	100	0	109	52	135	112.2	2.51	30	
Benzene	107	5.0	100	0	107	52	143	105.6	1.30	30	
Chlorobenzene	120.7	5.0	100	0	121	48	154	120.2	0.448	30	
MTBE	93.97	5.0	100	0	94	34	156	90.33	3.95	30	
Toluene	108.8	5.0	100	0	109	54	146	106	2.63	30	
Trichloroethene	107.3	5.0	100	0	107	44	169	106.7	0.542	30	
Surr: 1,2-Dichloroethane-d4	42.02	5.0	50	0	84	66	149	0	0	30	
Surr: 4-Bromofluorobenzene	49.44	5.0	50	0	98.9	83	125	0	0	30	
Surr: Dibromofluoromethane	50.81	5.0	50	0	102	75	139	0	0	30	
Surr: Toluene-d8	52.77	5.0	50	0	106	87	133	0	0	30	

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits DO- Surrogate dilute out
J - Analyte detected below quantitation limits B - Analyte detected in the associated Method Blank H - Sample exceeded holding time
R - RPD outside accepted recovery limits Calculations are based on raw values



CLIENT: SCS Engineers
Work Order: 077298
Project: Long Beach Public Service Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: A062805MB4	SampType: MBLK	TestCode: 8260_WP	Units: µg/L	Prep Date:	Run ID: MS11_050628A						
Client ID: ZZZZZ	Batch ID: A05VW187	TestNo: EPA 8260B		Analysis Date: 6/28/2005	SeqNo: 758263						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0									
1,1,1-Trichloroethane	ND	5.0									
1,1,2,2-Tetrachloroethane	ND	5.0									
1,1,2-Trichloroethane	ND	5.0									
1,1-Dichloroethane	ND	5.0									
1,1-Dichloroethene	ND	5.0									
1,1-Dichloropropene	ND	5.0									
1,2,3-Trichlorobenzene	ND	5.0									
1,2,3-Trichloropropane	ND	5.0									
1,2,4-Trichlorobenzene	ND	5.0									
1,2,4-Trimethylbenzene	ND	5.0									
1,2-Dibromo-3-chloropropane	ND	5.0									
1,2-Dibromoethane	ND	5.0									
1,2-Dichlorobenzene	ND	5.0									
1,2-Dichloroethane	ND	5.0									
1,2-Dichloropropane	ND	5.0									
1,3,5-Trimethylbenzene	ND	5.0									
1,3-Dichlorobenzene	ND	5.0									
1,3-Dichloropropane	ND	5.0									
1,4-Dichlorobenzene	ND	5.0									
2,2-Dichloropropane	ND	5.0									
2-Chlorotoluene	ND	5.0									
4-Chlorotoluene	ND	5.0									
4-Isopropyltoluene	ND	5.0									
Benzene	ND	5.0									
Bromobenzene	ND	5.0									
Bromodichloromethane	ND	5.0									
Bromoform	ND	5.0									
Bromomethane	ND	5.0									
Carbon tetrachloride	ND	5.0									

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values

DO- Surrogate dilute out
H - Sample exceeded holding time



CLIENT: SCS Engineers
Work Order: 077298
Project: Long Beach Public Service Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: A062805MB4		SampType: MBLK		TestCode: 8260_WP		Units: µg/L		Prep Date:		Run ID: MS11_050628A	
Client ID: ZZZZZ		Batch ID: A05VW187		TestNo: EPA 8260B		Analysis Date: 6/28/2005		SeqNo: 758263			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorobenzene	ND	5.0									
Chloroethane	ND	5.0									
Chloroform	ND	5.0									
Chloromethane	ND	5.0									
cis-1,2-Dichloroethene	ND	5.0									
cis-1,3-Dichloropropene	ND	5.0									
Di-isopropyl ether	ND	5.0									
Dibromochloromethane	ND	5.0									
Dibromomethane	ND	5.0									
Dichlorodifluoromethane	ND	5.0									
Ethyl tert-butyl ether	ND	5.0									
Ethylbenzene	ND	5.0									
Hexachlorobutadiene	ND	5.0									
Isopropylbenzene	ND	5.0									
m,p-Xylene	ND	10									
Methylene chloride	ND	5.0									
MTBE	ND	5.0									
n-Butylbenzene	ND	5.0									
n-Propylbenzene	ND	5.0									
Naphthalene	ND	5.0									
o-Xylene	ND	5.0									
sec-Butylbenzene	ND	5.0									
Styrene	ND	5.0									
Tert-amyl methyl ether	ND	5.0									
Tert-Butanol	ND	100									
tert-Butylbenzene	ND	5.0									
Tetrachloroethene	ND	5.0									
Toluene	ND	5.0									
trans-1,2-Dichloroethene	ND	5.0									
Trichloroethene	ND	5.0									

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits DO- Surrogate dilute out
 J - Analyte detected below quantitation limits B - Analyte detected in the associated Method Blank H - Sample exceeded holding time
 R - RPD outside accepted recovery limits **Calculations are based on raw values**



CLIENT: SCS Engineers
Work Order: 077298
Project: Long Beach Public Service Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: A062805MB4	SampType: MBLK	TestCode: 8260_WP	Units: µg/L	Prep Date:	Run ID: MS11_050628A						
Client ID: ZZZZZ	Batch ID: A05VW187	TestNo: EPA 8260B		Analysis Date: 6/28/2005	SeqNo: 758263						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Trichlorofluoromethane	ND	5.0									
Vinyl chloride	ND	5.0									
Surr: 1,2-Dichloroethane-d4	22.02	5.0	25	0	88.1	75	134	0	0		
Surr: 4-Bromofluorobenzene	24.42	5.0	25	0	97.7	70	136	0	0		
Surr: Dibromofluoromethane	23.26	5.0	25	0	93	79	129	0	0		
Surr: Toluene-d8	24.52	5.0	25	0	98.1	84	125	0	0		

Sample ID: A062805LC1	SampType: LCS	TestCode: 8260_WP	Units: µg/L	Prep Date:	Run ID: MS11_050628A						
Client ID: ZZZZZ	Batch ID: A05VW187	TestNo: EPA 8260B		Analysis Date: 6/28/2005	SeqNo: 758260						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,1-Dichloroethene	21.09	5.0	20	0	105	73	124	0	0		
Benzene	21.41	5.0	20	0	107	92	123	0	0		
Chlorobenzene	20.94	5.0	20	0	105	93	119	0	0		
MTBE	18.5	5.0	20	0	92.5	77	120	0	0		
Toluene	21.11	5.0	20	0	106	91	123	0	0		
Trichloroethene	22.41	5.0	20	0	112	87	126	0	0		
Surr: 1,2-Dichloroethane-d4	22.4	5.0	25	0	89.6	75	134	0	0		
Surr: 4-Bromofluorobenzene	22.74	5.0	25	0	91	70	136	0	0		
Surr: Dibromofluoromethane	23	5.0	25	0	92	79	129	0	0		
Surr: Toluene-d8	24.11	5.0	25	0	96.4	84	125	0	0		

Sample ID: A062805MB4MS	SampType: MS	TestCode: 8260_WP	Units: µg/L	Prep Date:	Run ID: MS11_050628A						
Client ID: ZZZZZ	Batch ID: A05VW187	TestNo: EPA 8260B		Analysis Date: 6/28/2005	SeqNo: 758261						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,1-Dichloroethene	19.81	5.0	20	0	99	74	121	0	0		
Benzene	21.51	5.0	20	0	108	91	125	0	0		
Chlorobenzene	20.52	5.0	20	0	103	91	119	0	0		
MTBE	18.64	5.0	20	0	93.2	79	119	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits DO- Surrogate dilute out
J - Analyte detected below quantitation limits B - Analyte detected in the associated Method Blank H - Sample exceeded holding time
R - RPD outside accepted recovery limits Calculations are based on raw values



CLIENT: SCS Engineers
Work Order: 077298
Project: Long Beach Public Service Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: A062805MB4MS	SampType: MS	TestCode: 8260_WP	Units: µg/L	Prep Date:	Run ID: MS11_050628A						
Client ID: ZZZZZ	Batch ID: A05VW187	TestNo: EPA 8260B		Analysis Date: 6/28/2005	SeqNo: 758261						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toluene	21.11	5.0	20	0	106	89	123	0	0		
Trichloroethene	22.17	5.0	20	0	111	86	126	0	0		
Surr: 1,2-Dichloroethane-d4	22.3	5.0	25	0	89.2	75	134	0	0		
Surr: 4-Bromofluorobenzene	22.12	5.0	25	0	88.5	70	136	0	0		
Surr: Dibromofluoromethane	22.97	5.0	25	0	91.9	79	129	0	0		
Surr: Toluene-d8	23.9	5.0	25	0	95.6	84	125	0	0		

Sample ID: A062805MB4MSD	SampType: MSD	TestCode: 8260_WP	Units: µg/L	Prep Date:	Run ID: MS11_050628A						
Client ID: ZZZZZ	Batch ID: A05VW187	TestNo: EPA 8260B		Analysis Date: 6/28/2005	SeqNo: 758262						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	19.92	5.0	20	0	99.6	74	121	19.81	0.554	30	
Benzene	21.26	5.0	20	0	106	91	125	21.51	1.17	30	
Chlorobenzene	21.54	5.0	20	0	108	91	119	20.52	4.85	30	
MTBE	19.05	5.0	20	0	95.2	79	119	18.64	2.18	30	
Toluene	21.02	5.0	20	0	105	89	123	21.11	0.427	30	
Trichloroethene	21.99	5.0	20	0	110	86	126	22.17	0.815	30	
Surr: 1,2-Dichloroethane-d4	21.75	5.0	25	0	87	75	134	0	0	30	
Surr: 4-Bromofluorobenzene	23.91	5.0	25	0	95.6	70	136	0	0	30	
Surr: Dibromofluoromethane	23.74	5.0	25	0	95	79	129	0	0	30	
Surr: Toluene-d8	24.2	5.0	25	0	96.8	84	125	0	0	30	

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values

DO- Surrogate dilute out
H - Sample exceeded holding time

CLIENT: SCS Engineers
Work Order: 077298
Project: Long Beach Public Service Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

TestCode: HC_S_VOAC4C12

Sample ID: E062305MB1	SampType: MBLK	TestCode: HC_S_VOAC	Units: mg/Kg	Prep Date:	Run ID: GC2_050623A						
Client ID: ZZZZZ	Batch ID: E05VS163	TestNo: EPA 8015B		Analysis Date: 6/23/2005	SeqNo: 759822						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

T/R Hydrocarbons: C4-C12	ND	1.0									
Surr: Bromofluorobenzene (FID)	74.74	1.0	100	0	74.7	35	139	0	0		

Sample ID: E062305LCS1	SampType: LCS	TestCode: HC_S_VOAC	Units: mg/Kg	Prep Date:	Run ID: GC2_050623A						
Client ID: ZZZZZ	Batch ID: E05VS163	TestNo: EPA 8015B		Analysis Date: 6/23/2005	SeqNo: 759834						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

T/R Hydrocarbons: C4-C12	5.399	1.0	5	0	108	79	117	0	0		
Surr: Bromofluorobenzene (FID)	93.38	1.0	100	0	93.4	35	139	0	0		

Sample ID: 077281-002AMS	SampType: MS	TestCode: HC_S_VOAC	Units: mg/Kg	Prep Date:	Run ID: GC2_050623A						
Client ID: ZZZZZ	Batch ID: E05VS163	TestNo: EPA 8015B		Analysis Date: 6/23/2005	SeqNo: 759824						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

T/R Hydrocarbons: C4-C12	5.249	1.0	5	0	105	35	134	0	0		
Surr: Bromofluorobenzene (FID)	88.92	1.0	100	0	88.9	35	139	0	0		

Sample ID: 077281-002AMSD	SampType: MSD	TestCode: HC_S_VOAC	Units: mg/Kg	Prep Date:	Run ID: GC2_050623A						
Client ID: ZZZZZ	Batch ID: E05VS163	TestNo: EPA 8015B		Analysis Date: 6/23/2005	SeqNo: 759825						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

T/R Hydrocarbons: C4-C12	5.078	1.0	5	0	102	35	134	5.249	3.31	30	
Surr: Bromofluorobenzene (FID)	88.79	1.0	100	0	88.8	35	139	0	0	0	

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits DO- Surrogate dilute out
J - Analyte detected below quantitation limits B - Analyte detected in the associated Method Blank H - Sample exceeded holding time
R - RPD outside accepted recovery limits Calculations are based on raw values



CLIENT: SCS Engineers
Work Order: 077298
Project: Long Beach Public Service Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

TestCode: HC_W_VOALL_ENGLA

Sample ID: I062405MB1	SampType: MBLK	TestCode: HC_W_VOAL	Units: mg/L	Prep Date:	Run ID: GC6_050624A						
Client ID: ZZZZZ	Batch ID: I05VW121	TestNo: EPA 8015B		Analysis Date: 6/24/2005	SeqNo: 759927						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C4-C12	ND	0.050									
Surr: Bromofluorobenzene (FID)	87.68	1.0	100	0	87.7	77	127	0	0		

Sample ID: I062405LC2	SampType: LCS	TestCode: HC_W_VOAL	Units: mg/L	Prep Date:	Run ID: GC6_050624A						
Client ID: ZZZZZ	Batch ID: I05VW121	TestNo: EPA 8015B		Analysis Date: 6/25/2005	SeqNo: 759929						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C4-C12	0.917	0.050	1	0	91.7	70	115	0	0		
Surr: Bromofluorobenzene (FID)	90.18	1.0	100	0	90.2	77	127	0	0		

Sample ID: I062405MB1MS	SampType: MS	TestCode: HC_W_VOAL	Units: mg/L	Prep Date:	Run ID: GC6_050624A						
Client ID: ZZZZZ	Batch ID: I05VW121	TestNo: EPA 8015B		Analysis Date: 6/24/2005	SeqNo: 759925						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C4-C12	0.866	0.050	1	0	86.6	64	117	0	0		
Surr: Bromofluorobenzene (FID)	88.88	1.0	100	0	88.9	77	127	0	0		

Sample ID: I062405MB1MSD	SampType: MSD	TestCode: HC_W_VOAL	Units: mg/L	Prep Date:	Run ID: GC6_050624A						
Client ID: ZZZZZ	Batch ID: I05VW121	TestNo: EPA 8015B		Analysis Date: 6/24/2005	SeqNo: 759926						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C4-C12	0.824	0.050	1	0	82.4	64	117	0.866	4.97	0	
Surr: Bromofluorobenzene (FID)	87	1.0	100	0	87	77	127	0	0	30	

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits
 B - Analyte detected in the associated Method Blank
 Calculations are based on raw values

DO- Surrogate dilute out
 H - Sample exceeded holding time



CLIENT: SCS Engineers
Work Order: 077298
Project: Long Beach Public Service Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT**TestCode: HC_S**

Sample ID: MB-23318	SampType: MBLK	TestCode: HC_S	Units: mg/Kg	Prep Date: 6/24/2005	Run ID: GC7_050624A						
Client ID: ZZZZZ	Batch ID: 23318	TestNo: EPA 8015B(M (LUFT)	Analysis Date: 6/24/2005	SeqNo: 759544							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

T/R Hydrocarbons: C13-C22	ND	10									
Surr: p-Terphenyl	68.74	0	80	0	85.9	51	128	0		0	

Sample ID: MB-23319	SampType: MBLK	TestCode: HC_S	Units: mg/Kg	Prep Date: 6/24/2005	Run ID: GC7_BACK_050624B						
Client ID: ZZZZZ	Batch ID: 23319	TestNo: EPA 8015B(M (LUFT)	Analysis Date: 6/24/2005	SeqNo: 759608							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

T/R Hydrocarbons: C13-C22	ND	10									
Surr: p-Terphenyl	75.6	0	80	0	94.5	51	128	0		0	

Sample ID: MB-23319	SampType: MBLK	TestCode: HC_S	Units: mg/Kg	Prep Date: 6/24/2005	Run ID: GC7_BACK_050624B						
Client ID: ZZZZZ	Batch ID: 23319	TestNo: EPA 8015B(M (LUFT)	Analysis Date: 6/28/2005	SeqNo: 759629							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

T/R Hydrocarbons: C13-C22	ND	10									
Surr: p-Terphenyl	89.54	0	80	0	112	51	128	0		0	

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values

DO- Surrogate dilute out
H - Sample exceeded holding time



CLIENT: SCS Engineers
Work Order: 077298
Project: Long Beach Public Service Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

TestCode: HC_S_SVOA

Sample ID: MB-23319	SampType: MBLK	TestCode: HC_S_SVOA	Units: mg/Kg	Prep Date: 6/24/2005	Run ID: GC7_BACK_050624B						
Client ID: ZZZZZ	Batch ID: 23319	TestNo: EPA 8015B (LUFT)		Analysis Date: 6/24/2005	SeqNo: 757509						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C23-C32	ND	10									
T/R Hydrocarbons: >C32	ND	10									
Surr: p-Terphenyl	75.6	10	80	0	94.5	51	128	0	0		

Sample ID: MB-23318	SampType: MBLK	TestCode: HC_S_SVOA	Units: mg/Kg	Prep Date: 6/24/2005	Run ID: GC7_050624A						
Client ID: ZZZZZ	Batch ID: 23318	TestNo: EPA 8015B (LUFT)		Analysis Date: 6/24/2005	SeqNo: 758227						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C23-C32	ND	10									
T/R Hydrocarbons: >C32	ND	10									
Surr: p-Terphenyl	68.74	10	80	0	85.9	51	128	0	0		

Sample ID: MB-23319	SampType: MBLK	TestCode: HC_S_SVOA	Units: mg/Kg	Prep Date: 6/24/2005	Run ID: GC7_BACK_050624B						
Client ID: ZZZZZ	Batch ID: 23319	TestNo: EPA 8015B (LUFT)		Analysis Date: 6/28/2005	SeqNo: 758417						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C23-C32	ND	10									
T/R Hydrocarbons: >C32	ND	10									
Surr: p-Terphenyl	89.54	10	80	0	112	51	128	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values

DO- Surrogate dilute out
H - Sample exceeded holding time



CLIENT: SCS Engineers
Work Order: 077298
Project: Long Beach Public Service Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

TestCode: HC_W

Sample ID: MB-23355	SampType: MBLK	TestCode: HC_W	Units: mg/L	Prep Date: 6/28/2005	Run ID: GC7_BACK_050628A						
Client ID: ZZZZZ	Batch ID: 23355	TestNo: EPA 8015B(M (EPA 3510C)		Analysis Date: 6/28/2005	SeqNo: 759571						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C13-C22	ND	0.20									
Surr: p-Terphenyl	0.06606	0	0.08	0	82.6	33	123	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values

DO- Surrogate dilute out
H - Sample exceeded holding time



CLIENT: SCS Engineers
Work Order: 077298
Project: Long Beach Public Service Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

TestCode: HC_W_SVOA

Sample ID: MB-23355	SampType: MBLK	TestCode: HC_W_SVOA	Units: mg/L	Prep Date: 6/28/2005	Run ID: GC7_BACK_050628A						
Client ID: ZZZZZ	Batch ID: 23355	TestNo: EPA 8015B	(EPA 3510C)	Analysis Date: 6/28/2005	SeqNo: 758202						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C23-C32	ND	0.20									
T/R Hydrocarbons: >C32	ND	0.20									
Surr: p-Terphenyl	0.06606	0	0.08	0	82.6	33	123	0	0		

Sample ID: MB-23355	SampType: MBLK	TestCode: HC_W_SVOA	Units: mg/L	Prep Date: 6/28/2005	Run ID: GC7_BACK_050628A						
Client ID: ZZZZZ	Batch ID: 23355	TestNo: EPA 8015B	(EPA 3510C)	Analysis Date: 6/28/2005	SeqNo: 758911						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C23-C32	ND	0.20									
T/R Hydrocarbons: >C32	ND	0.20									
Surr: p-Terphenyl	0.06171	0	0.08	0	77.1	33	123	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values

DO- Surrogate dilute out
H - Sample exceeded holding time



CLIENT: SCS Engineers
Work Order: 077298
Project: Long Beach Public Service Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT**BatchID: 23318**

Sample ID: LCS-23318	SampType: LCS	TestCode: 8015_S_DM	Units: mg/Kg	Prep Date: 6/24/2005	Run ID: GC7_050624A						
Client ID: ZZZZZ	Batch ID: 23318	TestNo: EPA 8015B(M (LUFT)		Analysis Date: 6/24/2005	SeqNo: 758218						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	894.8	10	1000	0	89.5	68	126	0	0		
Surr: p-Terphenyl	57.39	0	80	0	71.7	51	128	0	0		

Sample ID: 077281-006AMS	SampType: MS	TestCode: 8015_S_DM	Units: mg/Kg	Prep Date: 6/24/2005	Run ID: GC7_050624A						
Client ID: ZZZZZ	Batch ID: 23318	TestNo: EPA 8015B(M (LUFT)		Analysis Date: 6/24/2005	SeqNo: 758219						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	858.5	10	1000	0	85.9	49	139	0	0		
Surr: p-Terphenyl	53.66	0	80	0	67.1	51	128	0	0		

Sample ID: 077281-006AMSD	SampType: MSD	TestCode: 8015_S_DM	Units: mg/Kg	Prep Date: 6/24/2005	Run ID: GC7_050624A						
Client ID: ZZZZZ	Batch ID: 23318	TestNo: EPA 8015B(M (LUFT)		Analysis Date: 6/24/2005	SeqNo: 758220						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	969.8	10	1000	0	97	49	139	858.5	12.2	30	
Surr: p-Terphenyl	61.59	0	80	0	77	51	128	0	0	30	

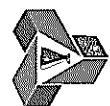
Sample ID: LCS-23318	SampType: LCS	TestCode: 8015_S_DSL	Units: mg/Kg	Prep Date: 6/24/2005	Run ID: GC7_050624A						
Client ID: ZZZZZ	Batch ID: 23318	TestNo: EPA 8015B(M (LUFT)		Analysis Date: 6/24/2005	SeqNo: 758292						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	894.8	10	1000	0	89.5	68	126	0	0		
Surr: p-Terphenyl	57.39	0	80	0	71.7	51	128	0	0		

Sample ID: LCS-23318	SampType: LCS	TestCode: 8015_S_DSL	Units: mg/Kg	Prep Date: 6/24/2005	Run ID: GC7_BACK_050628C						
Client ID: ZZZZZ	Batch ID: 23318	TestNo: EPA 8015B(M (LUFT)		Analysis Date: 6/28/2005	SeqNo: 758798						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits

S - Spike/Surrogate outside limits due to matrix interference
B - Analyte detected in the associated Method Blank
Calculations are based on raw values

DO - Surrogate diluted out
H - Sample exceeded holding time



CLIENT: SCS Engineers
Work Order: 077298
Project: Long Beach Public Service Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

BatchID: 23318

Sample ID: LCS-23318	SampType: LCS	TestCode: 8015_S_DSL	Units: mg/Kg	Prep Date: 6/24/2005	Run ID: GC7_BACK_050628C						
Client ID: ZZZZZ	Batch ID: 23318	TestNo: EPA 8015B(M (LUFT)		Analysis Date: 6/28/2005	SeqNo: 758798						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	779.4	10	1000	0	77.9	68	126	0	0		
Surr: p-Terphenyl	94.09	0	80	0	118	51	128	0	0		

Sample ID: 077281-006AMS	SampType: MS	TestCode: 8015_S_DSL	Units: mg/Kg	Prep Date: 6/24/2005	Run ID: GC7_050624A						
Client ID: ZZZZZ	Batch ID: 23318	TestNo: EPA 8015B(M (LUFT)		Analysis Date: 6/24/2005	SeqNo: 758293						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	858.5	10	1000	0	85.9	49	139	0	0		
Surr: p-Terphenyl	53.66	0	80	0	67.1	51	128	0	0		

Sample ID: 077281-006AMSD	SampType: MSD	TestCode: 8015_S_DSL	Units: mg/Kg	Prep Date: 6/24/2005	Run ID: GC7_050624A						
Client ID: ZZZZZ	Batch ID: 23318	TestNo: EPA 8015B(M (LUFT)		Analysis Date: 6/24/2005	SeqNo: 758294						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	969.8	10	1000	0	97	49	139	858.5	12.2	30	
Surr: p-Terphenyl	61.59	0	80	0	77	51	128	0	0	0	

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 R - RPD outside accepted recovery limits

S - Spike/Surrogate outside limits due to matrix interference
 B - Analyte detected in the associated Method Blank

Calculations are based on raw values

DO - Surrogate diluted out
 H - Sample exceeded holding time



CLIENT: SCS Engineers
Work Order: 077298
Project: Long Beach Public Service Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT**BatchID: 23319**

Sample ID: LCS-23319	SampType: LCS	TestCode: 8015_S_DM	Units: mg/Kg	Prep Date: 6/24/2005	Run ID: GC7_BACK_050624B						
Client ID: ZZZZZ	Batch ID: 23319	TestNo: EPA 8015B(M (LUFT)	Analysis Date: 6/24/2005	SeqNo: 757505							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	728.8	10	1000	0	72.9	68	126	0	0		
Surr: p-Terphenyl	75.69	0	80	0	94.6	51	128	0	0		

Sample ID: LCS-23319	SampType: LCS	TestCode: 8015_S_DM	Units: mg/Kg	Prep Date: 6/24/2005	Run ID: GC7_BACK_050624B						
Client ID: ZZZZZ	Batch ID: 23319	TestNo: EPA 8015B(M (LUFT)	Analysis Date: 6/28/2005	SeqNo: 758388							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	901.2	10	1000	0	90.1	68	126	0	0		
Surr: p-Terphenyl	95.95	0	80	0	120	51	128	0	0		

Sample ID: 077298-014AMS	SampType: MS	TestCode: 8015_S_DM	Units: mg/Kg	Prep Date: 6/24/2005	Run ID: GC7_BACK_050624B						
Client ID: B25-5	Batch ID: 23319	TestNo: EPA 8015B(M (LUFT)		Analysis Date: 6/24/2005	SeqNo: 757506						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	742.1	10	1000	0	74.2	49	139	0	0		
Surr: p-Terphenyl	70.12	0	80	0	87.7	51	128	0	0		

Sample ID: 077298-014AMSD	SampType: MSD	TestCode: 8015_S_DM	Units: mg/Kg	Prep Date: 6/24/2005	Run ID: GC7_BACK_050624B						
Client ID: B25-5	Batch ID: 23319	TestNo: EPA 8015B(M (LUFT)	Analysis Date: 6/24/2005	SeqNo: 757507							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	853.2	10	1000	0	85.3	49	139	742.1	13.9	30	
Surr: p-Terphenyl	71.1	0	80	0	88.9	51	128	0	0	30	

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 R - RPD outside accepted recovery limits
 S - Spike/Surrogate outside limits due to matrix interference
 B - Analyte detected in the associated Method Blank
Calculations are based on raw values

DO - Surrogate diluted out
 H - Sample exceeded holding time



CLIENT: SCS Engineers
Work Order: 077298
Project: Long Beach Public Service Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

BatchID: 23355

Sample ID: LCS-23355	SampType: LCS	TestCode: 8015_W_DM	Units: mg/L	Prep Date: 6/28/2005	Run ID: GC7_BACK_050628A						
Client ID: ZZZZZ	Batch ID: 23355	TestNo: EPA 8015B(M (EPA 3510C)	Analysis Date: 6/28/2005	SeqNo: 758182							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	0.7124	0.20	1	0	71.2	62	127	0	0		
Surr: p-Terphenyl	0.05946	0	0.08	0	74.3	33	123	0	0		

Sample ID: MB-23355MS	SampType: MS	TestCode: 8015_W_DM	Units: mg/L	Prep Date: 6/28/2005	Run ID: GC7_BACK_050628A						
Client ID: ZZZZZ	Batch ID: 23355	TestNo: EPA 8015B(M (EPA 3510C)		Analysis Date: 6/28/2005	SeqNo: 758183						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	0.7135	0.20	1	0	71.3	50	120	0	0		
Surr: p-Terphenyl	0.04931	0	0.08	0	61.6	33	123	0	0		

Sample ID: MB-23355MSD	SampType: MSD	TestCode: 8015_W_DM	Units: mg/L	Prep Date: 6/28/2005	Run ID: GC7_BACK_050628A						
Client ID: ZZZZZ	Batch ID: 23355	TestNo: EPA 8015B(M (EPA 3510C)		Analysis Date: 6/28/2005	SeqNo: 758184						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	0.8014	0.20	1	0	80.1	50	120	0	0		
Surr: p-Terphenyl	0.0662	0	0.08	0	82.7	33	123	0	0		

Sample ID: LCS-23355	SampType: LCS	TestCode: 8015_W_DSL	Units: mg/L	Prep Date: 6/28/2005	Run ID: GC7_BACK_050628A						
Client ID: ZZZZZ	Batch ID: 23355	TestNo: EPA 8015B(M (EPA 3510C)		Analysis Date: 6/28/2005	SeqNo: 758287						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	0.7124	0.050	1	0	71.2	62	127	0	0		
Surr: p-Terphenyl	0.05946	0	0.08	0	74.3	33	123	0	0		

Sample ID: LCS-23355	SampType: LCS	TestCode: 8015_W_DSL	Units: mg/L	Prep Date: 6/28/2005	Run ID: GC7_BACK_050628A						
Client ID: ZZZZZ	Batch ID: 23355	TestNo: EPA 8015B(M (EPA 3510C)		Analysis Date: 6/28/2005	SeqNo: 758888						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	0.6956	0.050	1	0	69.6	62	127	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike/Surrogate outside limits due to matrix interference DO - Surrogate diluted out
 J - Analyte detected below quantitation limits B - Analyte detected in the associated Method Blank H - Sample exceeded holding time
 R - RPD outside accepted recovery limits **Calculations are based on raw values**



CLIENT: SCS Engineers
Work Order: 077298
Project: Long Beach Public Service Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT**BatchID: 23355**

Sample ID: LCS-23355	SampType: LCS	TestCode: 8015_W_DSL	Units: mg/L	Prep Date: 6/28/2005	Run ID: GC7_BACK_050628A						
Client ID: ZZZZZ	Batch ID: 23355	TestNo: EPA 8015B(M (EPA 3510C)		Analysis Date: 6/28/2005	SeqNo: 758888						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: p-Terphenyl	0.06028	0	0.08	0	75.4	33	123	0	0		

Sample ID: LCS-23355	SampType: LCS	TestCode: 8015_W_DSL	Units: mg/L	Prep Date: 6/28/2005	Run ID: GC7_BACK_050628A						
Client ID: ZZZZZ	Batch ID: 23355	TestNo: EPA 8015B(M (EPA 3510C)		Analysis Date: 6/29/2005	SeqNo: 758914						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	0.6871	0.050	1	0	68.7	62	127	0	0		
Surr: p-Terphenyl	0.05649	0	0.08	0	70.6	33	123	0	0		

Sample ID: MB-23355MS	SampType: MS	TestCode: 8015_W_DSL	Units: mg/L	Prep Date: 6/28/2005	Run ID: GC7_BACK_050628A						
Client ID: ZZZZZ	Batch ID: 23355	TestNo: EPA 8015B(M (EPA 3510C)	Analysis Date: 6/28/2005	SeqNo: 758288							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	0.7135	0.050	1	0	71.3	50	120	0	0		
Surr: p-Terphenyl	0.04931	0	0.08	0	61.6	33	123	0	0		

Sample ID: MB-23355MSD	SampType: MSD	TestCode: 8015_W_DSL	Units: mg/L	Prep Date: 6/28/2005	Run ID: GC7_BACK_050628A						
Client ID: ZZZZZ	Batch ID: 23355	TestNo: EPA 8015B(M (EPA 3510C)	Analysis Date: 6/28/2005	SeqNo: 758289							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	0.8014	0.050	1	0	80.1	50	120	0	0		
Surr: p-Terphenyl	0.0662	0	0.08	0	82.7	33	123	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 R - RPD outside accepted recovery limits

S - Spike/Surrogate outside limits due to matrix interference
 B - Analyte detected in the associated Method Blank
Calculations are based on raw values

DO - Surrogate diluted out
 H - Sample exceeded holding time

CHAIN OF CUSTODY RECORD

Environmental Consultants				TOTAL NUMBER OF SAMPLES:		ANALYSES REQUESTED								LAB USE ONLY	
1601 San Francisco Avenue, 9th Floor Long Beach, California 90807-3315 Phone: (562) 426-9544 Fax: (562) 427-0805				PAGE 1 OF 2 TURNAROUND TIME REQUIRED: ☒ 5-Day ☐ 3-Day ☐ Immediate ☐ Other		METALS TPH-CC 8260B + oxygen deg								Archive	
PROJECT NUMBER: 01204007.02 PROJECT NAME: Long Beach Public Service Yard PROJECT LOCATION: 1601 San Francisco Ave. SAMPLER NAME AND SIGNATURE: Kevin Green				PROJECT MANAGER: Kevin Green P.O. #:											
I.D. NUMBER	SAMPLE DESCRIPTION	SAMPLE MATRIX	DATE/TIME COLLECTED	CONTAINER SIZE/TYPE	SAMPLE PRESERVATIVE(S)	SPECIAL INSTRUCTIONS/COMMENTS									
	B1-1	soil	6-21-05	Acetate	⊗										
	B1-5	[Handwritten squiggle]	[Handwritten squiggle]	[Handwritten squiggle]	[Handwritten squiggle]	X									
	B1-10														
	B10-1					X									
	B10-5														
KWG	B10-10														
	B11-1					X									
	B11-5														
	B11-10														
	B18-1					X X									
	B18-5														
	B24-5					X									
	B24-10					X X									
	B25-1					X X									
	B25-5					X X									

NOTES:

RELINQUISHED BY: *Kevin Green*

DATE: 6-22-05

COMPANY: SCS

RECEIVED BY: *BING ROURA*

DATE: 6/22/05

COMPANY: ATL

SAMPLE CONDITION UPON RECEIPT:

CHAIN OF CUSTODY RECORD

SCS ENGINEERS Environmental Consultants						TOTAL NUMBER OF SAMPLES:	ANALYSES REQUESTED								LAB USE ONLY		
3711 Long Beach Blvd., Ninth Floor Long Beach, California 90807-3315 Phone: (562) 426-9544 Fax: (562) 427-0805						PAGE 2 OF 2	TPH - CC 8260B + oxygenides										
						TURNAROUND TIME REQUIRED: ☒ 5-Day ☐ 3-Day ☐ Immediate ☐ Other											
						PROJECT NUMBER: 01204007.02											
PROJECT NAME: LB Public Service Yard						W.O. / S.O. #:											
PROJECT LOCATION: 1601 San Francisco Ave.																	
SAMPLER NAME AND SIGNATURE: Kevin Green / Kevin Green																	
I.D. NUMBER	SAMPLE DESIGNATION	SAMPLE MATRIX	DATE/TIME COLLECTED	CONTAINER SIZE/TYPE	SAMPLE PRESERVATIVE	SPECIAL INSTRUCTIONS/COMMENTS											
	B25-10	soil	6-21-05	Acetate	Ø		X	X									
	B25-GW	water	{	VOA	HCl			X									
	B25-GW	"		1 Liter	none		X										
	B26-5	soil		Acetate	"		X										
	B26-10	soil	.	"	"		X	X									
NOTES:													SAMPLE CONDITION UPON RECEIPT:				
RELINQUISHED BY: Kevin Green		DATE: 6-22-05		RECEIVED BY: BING ROURA		DATE: 6/22/05		RELINQUISHED BY: BING ROURA		DATE: 6/22/05		RECEIVED BY: [Signature]		DATE: 6/22/05			
COMPANY: GCS		TIME: 4:25		COMPANY: ATZ		TIME: 4:55 PM		COMPANY: ATZ		TIME: 4:55 PM		COMPANY: ATZ		TIME: 5:00 PM			

July 01, 2005



Kevin Green
SCS Engineers
3900 Kilroy Airport Way, Suite 100
Long Beach, CA 90806-6816

ELAP No.: 1838
NELAP No.: 02107CA
CSDLAC No.: 10196

TEL: (562) 426-9544
FAX: (562) 427-0805

Workorder No.: 077299

RE: LB Public Service Yard, 01204007.02

Attention: Kevin Green

Enclosed are the results for sample(s) received on June 22, 2005 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.



CLIENT: SCS Engineers
Project: LB Public Service Yard, 01204007.02
Lab Order: 077299

CASE NARRATIVE

All volatile analyses were performed using 5035 preservation requirements except for the following samples: B5-5', B14-5', B14-10', B19-1, B21-5, B22-1, B22-5, B23-1 and B9-1. Any high level dilutions were performed on a preserved methanol sample unless otherwise noted.



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT:	SCS Engineers	Client Sample ID:	B2-1'
Lab Order:	077299		
Project:	LB Public Service Yard, 01204007.02	Collection Date:	6/20/2005
Lab ID:	077299-001	Matrix:	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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ICP METALS**(EPA 3050B)****EPA 6010B**

RunID: ICP6_050628A	QC Batch: 23346	PrepDate: 6/27/2005	Analyst: RQ		
Antimony	ND	2.0	mg/Kg	1	6/28/2005
Arsenic	2.8	1.0	mg/Kg	1	6/28/2005
Barium	1900	1.0	mg/Kg	1	6/28/2005
Beryllium	ND	1.0	mg/Kg	1	6/28/2005
Cadmium	1.6	1.0	mg/Kg	1	6/28/2005
Chromium	9.3	1.0	mg/Kg	1	6/28/2005
Cobalt	2.8	1.0	mg/Kg	1	6/28/2005
Copper	6.9	2.0	mg/Kg	1	6/28/2005
Lead	78	1.0	mg/Kg	1	6/28/2005
Molybdenum	ND	1.0	mg/Kg	1	6/28/2005
Nickel	6.4	1.0	mg/Kg	1	6/28/2005
Selenium	1.2	1.0	mg/Kg	1	6/28/2005
Silver	ND	1.0	mg/Kg	1	6/28/2005
Thallium	ND	1.0	mg/Kg	1	6/28/2005
Vanadium	17	1.0	mg/Kg	1	6/28/2005
Zinc	1200	1.0	mg/Kg	1	6/28/2005

MERCURY BY COLD VAPOR TECHNIQUE**(EPA 7471)****EPA 7471A**

RunID: AA1_050628B	QC Batch: 23350	PrepDate: 6/27/2005	Analyst: JT		
Mercury	0.34	0.10	mg/Kg	1	6/28/2005

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	E - Value above quantitation range
	DO - Surrogate Diluted Out	H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT:	SCS Engineers	Client Sample ID:	B3-1'
Lab Order:	077299		
Project:	LB Public Service Yard, 01204007.02	Collection Date:	6/20/2005
Lab ID:	077299-002	Matrix:	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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ICP METALS

(EPA 3050B)

EPA 6010B

RunID: ICP6_050628A	QC Batch: 23346	PrepDate: 6/27/2005	Analyst: RQ		
Antimony	ND	2.0	mg/Kg	1	6/28/2005
Arsenic	ND	1.0	mg/Kg	1	6/28/2005
Barium	69	1.0	mg/Kg	1	6/28/2005
Beryllium	ND	1.0	mg/Kg	1	6/28/2005
Cadmium	ND	1.0	mg/Kg	1	6/28/2005
Chromium	14	1.0	mg/Kg	1	6/28/2005
Cobalt	7.0	1.0	mg/Kg	1	6/28/2005
Copper	12	2.0	mg/Kg	1	6/28/2005
Lead	24	1.0	mg/Kg	1	6/28/2005
Molybdenum	ND	1.0	mg/Kg	1	6/28/2005
Nickel	17	1.0	mg/Kg	1	6/28/2005
Selenium	1.3	1.0	mg/Kg	1	6/28/2005
Silver	ND	1.0	mg/Kg	1	6/28/2005
Thallium	ND	1.0	mg/Kg	1	6/28/2005
Vanadium	26	1.0	mg/Kg	1	6/28/2005
Zinc	110	1.0	mg/Kg	1	6/28/2005

MERCURY BY COLD VAPOR TECHNIQUE

(EPA 7471)

EPA 7471A

RunID: AA1_050628B	QC Batch: 23350	PrepDate: 6/27/2005	Analyst: JT		
Mercury	ND	0.10	mg/Kg	1	6/28/2005

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	E - Value above quantitation range
	DO - Surrogate Diluted Out	H-Samples exceeding holding time

Page 2 of 46

Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT: SCS Engineers

Client Sample ID: B5-5'

Lab Order: 077299

Project: LB Public Service Yard, 01204007.02

Collection Date: 6/20/2005

Lab ID: 077299-004

Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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ICP METALS

(EPA 3050B)

EPA 6010B

RunID: ICP6_050628A	QC Batch: 23346	PrepDate: 6/27/2005	Analyst: RQ		
Antimony	15	2.0	mg/Kg	1	6/28/2005
Arsenic	110	1.0	mg/Kg	1	6/28/2005
Barium	430	1.0	mg/Kg	1	6/28/2005
Beryllium	ND	1.0	mg/Kg	1	6/28/2005
Cadmium	5.6	1.0	mg/Kg	1	6/28/2005
Chromium	62	1.0	mg/Kg	1	6/28/2005
Cobalt	13	1.0	mg/Kg	1	6/28/2005
Copper	920	2.0	mg/Kg	1	6/28/2005
Lead	2400	1.0	mg/Kg	1	6/28/2005
Molybdenum	ND	1.0	mg/Kg	1	6/28/2005
Nickel	59	1.0	mg/Kg	1	6/28/2005
Selenium	1.2	1.0	mg/Kg	1	6/28/2005
Silver	ND	1.0	mg/Kg	1	6/28/2005
Thallium	ND	1.0	mg/Kg	1	6/28/2005
Vanadium	3.0	1.0	mg/Kg	1	6/28/2005
Zinc	3400	20	mg/Kg	20	6/28/2005

HYDROCARBON CHAIN IDENTIFICATION

(LUFT)

EPA 8015B(M)

RunID: GC7_BACK_050624B	QC Batch: 23319	PrepDate: 6/24/2005	Analyst: CBR		
T/R Hydrocarbons: C13-C22	ND	10	mg/Kg	1	6/24/2005

HYDROCARBON CHAIN IDENTIFICATION

(LUFT)

EPA 8015B

RunID: GC7_BACK_050624B	QC Batch: 23319	PrepDate: 6/24/2005	Analyst: CBR		
T/R Hydrocarbons: >C32	ND	10	mg/Kg	1	6/24/2005
T/R Hydrocarbons: C23-C32	ND	10	mg/Kg	1	6/24/2005

HYDROCARBON CHAIN IDENTIFICATION

EPA 8015B

RunID: GC2_050623B	QC Batch: E05VS164	PrepDate:	Analyst: TT		
T/R Hydrocarbons: C4-C12	ND	1.0	mg/Kg	1	6/23/2005

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT:	SCS Engineers	Client Sample ID:	B5-5'
Lab Order:	077299		
Project:	LB Public Service Yard, 01204007.02	Collection Date:	6/20/2005
Lab ID:	077299-004	Matrix:	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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MERCURY BY COLD VAPOR TECHNIQUE (EPA 7471)

EPA 7471A

RunID: AA1_050628B	QC Batch: 23350	PrepDate: 6/27/2005	Analyst: JT
Mercury	0.22	0.10	mg/Kg
		1	6/28/2005

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	E - Value above quantitation range
	DO - Surrogate Diluted Out	H-Samples exceeding holding time

Results are wet unless otherwise specified

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Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT:	SCS Engineers	Client Sample ID:	B13-1'
Lab Order:	077299		
Project:	LB Public Service Yard, 01204007.02	Collection Date:	6/20/2005
Lab ID:	077299-006	Matrix:	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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ICP METALS

(EPA 3050B)

EPA 6010B

RunID: ICP6_050628A	QC Batch: 23346	PrepDate: 6/27/2005	Analyst: RQ		
Antimony	ND	2.0	mg/Kg	1	6/28/2005
Arsenic	2.3	1.0	mg/Kg	1	6/28/2005
Barium	110	1.0	mg/Kg	1	6/28/2005
Beryllium	ND	1.0	mg/Kg	1	6/28/2005
Cadmium	ND	1.0	mg/Kg	1	6/28/2005
Chromium	11	1.0	mg/Kg	1	6/28/2005
Cobalt	4.8	1.0	mg/Kg	1	6/28/2005
Copper	14	2.0	mg/Kg	1	6/28/2005
Lead	48	1.0	mg/Kg	1	6/28/2005
Molybdenum	ND	1.0	mg/Kg	1	6/28/2005
Nickel	7.7	1.0	mg/Kg	1	6/28/2005
Selenium	1.8	1.0	mg/Kg	1	6/28/2005
Silver	ND	1.0	mg/Kg	1	6/28/2005
Thallium	ND	1.0	mg/Kg	1	6/28/2005
Vanadium	23	1.0	mg/Kg	1	6/28/2005
Zinc	93	1.0	mg/Kg	1	6/28/2005

MERCURY BY COLD VAPOR TECHNIQUE

(EPA 7471)

EPA 7471A

RunID: AA1_050628B	QC Batch: 23350	PrepDate: 6/27/2005	Analyst: JT		
Mercury	0.15	0.10	mg/Kg	1	6/28/2005

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	E - Value above quantitation range
	DO - Surrogate Diluted Out	H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT: SCS Engineers

Client Sample ID: B14-1'

Lab Order: 077299

Project: LB Public Service Yard, 01204007.02

Collection Date: 6/20/2005

Lab ID: 077299-007

Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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ICP METALS

(EPA 3050B)

EPA 6010B

RunID: ICP6_050628A	QC Batch: 23346	PrepDate: 6/27/2005	Analyst: RQ		
Antimony	ND	2.0	mg/Kg	1	6/28/2005
Arsenic	1.0	1.0	mg/Kg	1	6/28/2005
Barium	130	1.0	mg/Kg	1	6/28/2005
Beryllium	ND	1.0	mg/Kg	1	6/28/2005
Cadmium	ND	1.0	mg/Kg	1	6/28/2005
Chromium	13	1.0	mg/Kg	1	6/28/2005
Cobalt	6.8	1.0	mg/Kg	1	6/28/2005
Copper	12	2.0	mg/Kg	1	6/28/2005
Lead	8.8	1.0	mg/Kg	1	6/28/2005
Molybdenum	ND	1.0	mg/Kg	1	6/28/2005
Nickel	8.9	1.0	mg/Kg	1	6/28/2005
Selenium	1.3	1.0	mg/Kg	1	6/28/2005
Silver	ND	1.0	mg/Kg	1	6/28/2005
Thallium	ND	1.0	mg/Kg	1	6/28/2005
Vanadium	26	1.0	mg/Kg	1	6/28/2005
Zinc	47	1.0	mg/Kg	1	6/28/2005

MERCURY BY COLD VAPOR TECHNIQUE

(EPA 7471)

EPA 7471A

RunID: AA1_050628B	QC Batch: 23350	PrepDate: 6/27/2005	Analyst: JT		
Mercury	ND	0.10	mg/Kg	1	6/28/2005

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT:	SCS Engineers	Client Sample ID:	B14-5'
Lab Order:	077299		
Project:	LB Public Service Yard, 01204007.02	Collection Date:	6/20/2005
Lab ID:	077299-008	Matrix:	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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ICP METALS**(EPA 3050B)****EPA 6010B**

RunID: ICP6_050628A	QC Batch: 23346	PrepDate: 6/27/2005	Analyst: RQ		
Antimony	ND	2.0	mg/Kg	1	6/28/2005
Arsenic	2.4	1.0	mg/Kg	1	6/28/2005
Barium	620	1.0	mg/Kg	1	6/28/2005
Beryllium	ND	1.0	mg/Kg	1	6/28/2005
Cadmium	2.3	1.0	mg/Kg	1	6/28/2005
Chromium	21	1.0	mg/Kg	1	6/28/2005
Cobalt	5.7	1.0	mg/Kg	1	6/28/2005
Copper	97	2.0	mg/Kg	1	6/28/2005
Lead	1100	1.0	mg/Kg	1	6/28/2005
Molybdenum	ND	1.0	mg/Kg	1	6/28/2005
Nickel	18	1.0	mg/Kg	1	6/28/2005
Selenium	1.3	1.0	mg/Kg	1	6/28/2005
Silver	ND	1.0	mg/Kg	1	6/28/2005
Thallium	ND	1.0	mg/Kg	1	6/28/2005
Vanadium	14	1.0	mg/Kg	1	6/28/2005
Zinc	590	1.0	mg/Kg	1	6/28/2005

HYDROCARBON CHAIN IDENTIFICATION**(LUFT)****EPA 8015B(M)**

RunID: GC7_BACK_050624B	QC Batch: 23319	PrepDate: 6/24/2005	Analyst: CBR		
T/R Hydrocarbons: C13-C22	ND	10	mg/Kg	1	6/24/2005

HYDROCARBON CHAIN IDENTIFICATION**(LUFT)****EPA 8015B**

RunID: GC7_BACK_050624B	QC Batch: 23319	PrepDate: 6/24/2005	Analyst: CBR		
T/R Hydrocarbons: >C32	ND	10	mg/Kg	1	6/24/2005
T/R Hydrocarbons: C23-C32	ND	10	mg/Kg	1	6/24/2005

HYDROCARBON CHAIN IDENTIFICATION**EPA 8015B**

RunID: GC2_050623B	QC Batch: E05VS164	PrepDate:	Analyst: TT		
T/R Hydrocarbons: C4-C12	ND	1.0	mg/Kg	1	6/23/2005

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	E - Value above quantitation range
	DO - Surrogate Diluted Out	H-Samples exceeding holding time

Results are wet unless otherwise specified

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Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT:	SCS Engineers	Client Sample ID:	B14-5'
Lab Order:	077299		
Project:	LB Public Service Yard, 01204007.02	Collection Date:	6/20/2005
Lab ID:	077299-008	Matrix:	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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**MERCURY BY COLD VAPOR TECHNIQUE
(EPA 7471)****EPA 7471A**

RunID: AA1_050628B	QC Batch: 23350	PrepDate: 6/27/2005	Analyst: JT
Mercury	0.11	0.10	mg/Kg
		1	6/28/2005

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	E - Value above quantitation range
	DO - Surrogate Diluted Out	H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT: SCS Engineers **Client Sample ID:** B14-10'
Lab Order: 077299
Project: LB Public Service Yard, 01204007.02 **Collection Date:** 6/20/2005
Lab ID: 077299-009 **Matrix:** SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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ICP METALS**(EPA 3050B)****EPA 6010B**

RunID: ICP6_050628A	QC Batch: 23346	PrepDate: 6/27/2005	Analyst: RQ		
Antimony	ND	2.0	mg/Kg	1	6/28/2005
Arsenic	ND	1.0	mg/Kg	1	6/28/2005
Barium	360	1.0	mg/Kg	1	6/28/2005
Beryllium	ND	1.0	mg/Kg	1	6/28/2005
Cadmium	1.0	1.0	mg/Kg	1	6/28/2005
Chromium	20	1.0	mg/Kg	1	6/28/2005
Cobalt	10	1.0	mg/Kg	1	6/28/2005
Copper	83	2.0	mg/Kg	1	6/28/2005
Lead	1300	1.0	mg/Kg	1	6/28/2005
Molybdenum	ND	1.0	mg/Kg	1	6/28/2005
Nickel	14	1.0	mg/Kg	1	6/28/2005
Selenium	1.9	1.0	mg/Kg	1	6/28/2005
Silver	ND	1.0	mg/Kg	1	6/28/2005
Thallium	ND	1.0	mg/Kg	1	6/28/2005
Vanadium	33	1.0	mg/Kg	1	6/28/2005
Zinc	290	1.0	mg/Kg	1	6/28/2005

HYDROCARBON CHAIN IDENTIFICATION**(LUFT)****EPA 8015B(M)**

RunID: GC7_BACK_050624B	QC Batch: 23319	PrepDate: 6/24/2005	Analyst: CBR		
T/R Hydrocarbons: C13-C22	ND	10	mg/Kg	1	6/24/2005

HYDROCARBON CHAIN IDENTIFICATION**(LUFT)****EPA 8015B**

RunID: GC7_BACK_050624B	QC Batch: 23319	PrepDate: 6/24/2005	Analyst: CBR		
T/R Hydrocarbons: >C32	ND	10	mg/Kg	1	6/24/2005
T/R Hydrocarbons: C23-C32	ND	10	mg/Kg	1	6/24/2005

HYDROCARBON CHAIN IDENTIFICATION**EPA 8015B**

RunID: GC2_050623B	QC Batch: E05VS164	PrepDate:	Analyst: TT		
T/R Hydrocarbons: C4-C12	ND	1.0	mg/Kg	1	6/23/2005

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT: SCS Engineers **Client Sample ID:** B14-10'
Lab Order: 077299
Project: LB Public Service Yard, 01204007.02 **Collection Date:** 6/20/2005
Lab ID: 077299-009 **Matrix:** SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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MERCURY BY COLD VAPOR TECHNIQUE (EPA 7471)

EPA 7471A

RunID: AA1_050628B	QC Batch: 23350	PrepDate: 6/27/2005	Analyst: JT		
Mercury	0.19	0.10	mg/Kg	1	6/28/2005

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank E - Value above quantitation range
DO - Surrogate Diluted Out H-Samples exceeding holding time

Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT:	SCS Engineers	Client Sample ID:	B15-1'
Lab Order:	077299		
Project:	LB Public Service Yard, 01204007.02	Collection Date:	6/20/2005
Lab ID:	077299-010	Matrix:	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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**ORGANOCHLORINE PESTICIDES BY GC/ECD
(EPA 3550B)****EPA 8081A**

RunID:	GC5_050627A	QC Batch:	23335	PrepDate:	6/27/2005	Analyst:	EES
4,4'-DDD	ND	2.0		µg/Kg	1		6/27/2005
4,4'-DDE	ND	2.0		µg/Kg	1		6/27/2005
4,4'-DDT	ND	2.0		µg/Kg	1		6/27/2005
Aldrin	ND	1.0		µg/Kg	1		6/27/2005
alpha-BHC	ND	1.0		µg/Kg	1		6/27/2005
alpha-Chlordane	ND	1.0		µg/Kg	1		6/27/2005
beta-BHC	ND	1.0		µg/Kg	1		6/27/2005
Chlordane	ND	8.5		µg/Kg	1		6/27/2005
delta-BHC	ND	1.0		µg/Kg	1		6/27/2005
Dieldrin	ND	2.0		µg/Kg	1		6/27/2005
Endosulfan I	ND	1.0		µg/Kg	1		6/27/2005
Endosulfan II	ND	2.0		µg/Kg	1		6/27/2005
Endosulfan sulfate	ND	2.0		µg/Kg	1		6/27/2005
Endrin	ND	2.0		µg/Kg	1		6/27/2005
Endrin aldehyde	ND	2.0		µg/Kg	1		6/27/2005
Endrin ketone	ND	2.0		µg/Kg	1		6/27/2005
gamma-BHC	ND	1.0		µg/Kg	1		6/27/2005
gamma-Chlordane	ND	1.0		µg/Kg	1		6/27/2005
Heptachlor	ND	1.0		µg/Kg	1		6/27/2005
Heptachlor epoxide	ND	1.0		µg/Kg	1		6/27/2005
Methoxychlor	ND	8.5		µg/Kg	1		6/27/2005
Toxaphene	ND	85		µg/Kg	1		6/27/2005

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT: SCS Engineers**Client Sample ID:** B15-5'**Lab Order:** 077299**Project:** LB Public Service Yard, 01204007.02**Collection Date:** 6/20/2005**Lab ID:** 077299-011**Matrix:** SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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**ORGANOCHLORINE PESTICIDES BY GC/ECD
(EPA 3550B)****EPA 8081A**

RunID: GC5_050627A	QC Batch: 23335	PrepDate: 6/27/2005	Analyst: EES		
4,4'-DDD	ND	2.0	µg/Kg	1	6/27/2005
4,4'-DDE	ND	2.0	µg/Kg	1	6/27/2005
4,4'-DDT	ND	2.0	µg/Kg	1	6/27/2005
Aldrin	ND	1.0	µg/Kg	1	6/27/2005
alpha-BHC	ND	1.0	µg/Kg	1	6/27/2005
alpha-Chlordane	ND	1.0	µg/Kg	1	6/27/2005
beta-BHC	ND	1.0	µg/Kg	1	6/27/2005
Chlordane	ND	8.5	µg/Kg	1	6/27/2005
delta-BHC	ND	1.0	µg/Kg	1	6/27/2005
Dieldrin	ND	2.0	µg/Kg	1	6/27/2005
Endosulfan I	ND	1.0	µg/Kg	1	6/27/2005
Endosulfan II	ND	2.0	µg/Kg	1	6/27/2005
Endosulfan sulfate	ND	2.0	µg/Kg	1	6/27/2005
Endrin	ND	2.0	µg/Kg	1	6/27/2005
Endrin aldehyde	ND	2.0	µg/Kg	1	6/27/2005
Endrin ketone	ND	2.0	µg/Kg	1	6/27/2005
gamma-BHC	ND	1.0	µg/Kg	1	6/27/2005
gamma-Chlordane	ND	1.0	µg/Kg	1	6/27/2005
Heptachlor	ND	1.0	µg/Kg	1	6/27/2005
Heptachlor epoxide	ND	1.0	µg/Kg	1	6/27/2005
Methoxychlor	ND	8.5	µg/Kg	1	6/27/2005
Toxaphene	ND	85	µg/Kg	1	6/27/2005

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

DO - Surrogate Diluted Out

H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT: SCS Engineers

Client Sample ID: B16-1'

Lab Order: 077299

Project: LB Public Service Yard, 01204007.02

Collection Date: 6/20/2005

Lab ID: 077299-012

Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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**ORGANOCHLORINE PESTICIDES BY GC/ECD
(EPA 3550B)****EPA 8081A**

RunID: GC5_050627A	QC Batch: 23335	PrepDate: 6/27/2005	Analyst: EES		
4,4'-DDD	ND	10	µg/Kg	5	6/27/2005
4,4'-DDE	ND	10	µg/Kg	5	6/27/2005
4,4'-DDT	ND	10	µg/Kg	5	6/27/2005
Aldrin	ND	5.0	µg/Kg	5	6/27/2005
alpha-BHC	ND	5.0	µg/Kg	5	6/27/2005
alpha-Chlordane	ND	5.0	µg/Kg	5	6/27/2005
beta-BHC	ND	5.0	µg/Kg	5	6/27/2005
Chlordane	ND	42	µg/Kg	5	6/27/2005
delta-BHC	ND	5.0	µg/Kg	5	6/27/2005
Dieldrin	ND	10	µg/Kg	5	6/27/2005
Endosulfan I	ND	5.0	µg/Kg	5	6/27/2005
Endosulfan II	ND	10	µg/Kg	5	6/27/2005
Endosulfan sulfate	ND	10	µg/Kg	5	6/27/2005
Endrin	ND	10	µg/Kg	5	6/27/2005
Endrin aldehyde	ND	10	µg/Kg	5	6/27/2005
Endrin ketone	ND	10	µg/Kg	5	6/27/2005
gamma-BHC	ND	5.0	µg/Kg	5	6/27/2005
gamma-Chlordane	ND	5.0	µg/Kg	5	6/27/2005
Heptachlor	ND	5.0	µg/Kg	5	6/27/2005
Heptachlor epoxide	ND	5.0	µg/Kg	5	6/27/2005
Methoxychlor	ND	42	µg/Kg	5	6/27/2005
Toxaphene	ND	420	µg/Kg	5	6/27/2005

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

DO - Surrogate Diluted Out

H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT: SCS Engineers**Client Sample ID:** B16-5'**Lab Order:** 077299**Project:** LB Public Service Yard, 01204007.02**Collection Date:** 6/20/2005**Lab ID:** 077299-013**Matrix:** SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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**ORGANOCHLORINE PESTICIDES BY GC/ECD
(EPA 3550B)****EPA 8081A**

RunID: GC5_050627A	QC Batch: 23335	PrepDate: 6/27/2005	Analyst: EES		
4,4'-DDD	ND	10	µg/Kg	5	6/27/2005
4,4'-DDE	ND	10	µg/Kg	5	6/27/2005
4,4'-DDT	ND	10	µg/Kg	5	6/27/2005
Aldrin	ND	5.0	µg/Kg	5	6/27/2005
alpha-BHC	ND	5.0	µg/Kg	5	6/27/2005
alpha-Chlordane	ND	5.0	µg/Kg	5	6/27/2005
beta-BHC	ND	5.0	µg/Kg	5	6/27/2005
Chlordane	ND	42	µg/Kg	5	6/27/2005
delta-BHC	ND	5.0	µg/Kg	5	6/27/2005
Dieldrin	ND	10	µg/Kg	5	6/27/2005
Endosulfan I	ND	5.0	µg/Kg	5	6/27/2005
Endosulfan II	ND	10	µg/Kg	5	6/27/2005
Endosulfan sulfate	ND	10	µg/Kg	5	6/27/2005
Endrin	ND	10	µg/Kg	5	6/27/2005
Endrin aldehyde	ND	10	µg/Kg	5	6/27/2005
Endrin ketone	ND	10	µg/Kg	5	6/27/2005
gamma-BHC	ND	5.0	µg/Kg	5	6/27/2005
gamma-Chlordane	ND	5.0	µg/Kg	5	6/27/2005
Heptachlor	ND	5.0	µg/Kg	5	6/27/2005
Heptachlor epoxide	ND	5.0	µg/Kg	5	6/27/2005
Methoxychlor	ND	42	µg/Kg	5	6/27/2005
Toxaphene	ND	420	µg/Kg	5	6/27/2005

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

DO - Surrogate Diluted Out

H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT: SCS Engineers**Client Sample ID:** B12-1'**Lab Order:** 077299**Project:** LB Public Service Yard, 01204007.02**Collection Date:** 6/20/2005**Lab ID:** 077299-014**Matrix:** SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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ICP METALS**(EPA 3050B)****EPA 6010B**

RunID: ICP6_050628A	QC Batch: 23346	PrepDate: 6/27/2005	Analyst: RQ		
Antimony	ND	2.0	mg/Kg	1	6/28/2005
Arsenic	4.8	1.0	mg/Kg	1	6/28/2005
Barium	380	1.0	mg/Kg	1	6/28/2005
Beryllium	ND	1.0	mg/Kg	1	6/28/2005
Cadmium	4.0	1.0	mg/Kg	1	6/28/2005
Chromium	56	1.0	mg/Kg	1	6/28/2005
Cobalt	9.6	1.0	mg/Kg	1	6/28/2005
Copper	390	2.0	mg/Kg	1	6/28/2005
Lead	990	1.0	mg/Kg	1	6/28/2005
Molybdenum	ND	1.0	mg/Kg	1	6/28/2005
Nickel	44	1.0	mg/Kg	1	6/28/2005
Selenium	ND	1.0	mg/Kg	1	6/28/2005
Silver	ND	1.0	mg/Kg	1	6/28/2005
Thallium	ND	1.0	mg/Kg	1	6/28/2005
Vanadium	11	1.0	mg/Kg	1	6/28/2005
Zinc	1400	1.0	mg/Kg	1	6/28/2005

MERCURY BY COLD VAPOR TECHNIQUE**(EPA 7471)****EPA 7471A**

RunID: AA1_050628B	QC Batch: 23350	PrepDate: 6/27/2005	Analyst: JT		
Mercury	0.36	0.10	mg/Kg	1	6/28/2005

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

DO - Surrogate Diluted Out

H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT: SCS Engineers **Client Sample ID:** B12-5'
Lab Order: 077299
Project: LB Public Service Yard, 01204007.02 **Collection Date:** 6/20/2005
Lab ID: 077299-015 **Matrix:** SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
HYDROCARBON CHAIN IDENTIFICATION						
(LUFT)			EPA 8015B(M)			
RunID: GC7_BACK_050624B	QC Batch: 23319			PrepDate: 6/24/2005		Analyst: CBR
T/R Hydrocarbons: C13-C22	ND	10		mg/Kg	1	6/24/2005
HYDROCARBON CHAIN IDENTIFICATION						
(LUFT)			EPA 8015B			
RunID: GC7_BACK_050624B	QC Batch: 23319			PrepDate: 6/24/2005		Analyst: CBR
T/R Hydrocarbons: >C32	42	10		mg/Kg	1	6/24/2005
T/R Hydrocarbons: C23-C32	63	10		mg/Kg	1	6/24/2005
HYDROCARBON CHAIN IDENTIFICATION						
			EPA 8015B			
RunID: GC2_050623B	QC Batch: E05VS164			PrepDate: 6/20/2005		Analyst: TT
T/R Hydrocarbons: C4-C12	ND	41		mg/Kg	50	6/23/2005
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
			EPA 8260B			
RunID: MS1_050624A	QC Batch: P05VS095			PrepDate: 6/20/2005		Analyst: HH
1,1,1,2-Tetrachloroethane	ND	4.6		µg/Kg	1	6/24/2005
1,1,1-Trichloroethane	ND	4.6		µg/Kg	1	6/24/2005
1,1,2,2-Tetrachloroethane	ND	4.6		µg/Kg	1	6/24/2005
1,1,2-Trichloroethane	ND	4.6		µg/Kg	1	6/24/2005
1,1-Dichloroethane	ND	4.6		µg/Kg	1	6/24/2005
1,1-Dichloroethene	ND	4.6		µg/Kg	1	6/24/2005
1,1-Dichloropropene	ND	4.6		µg/Kg	1	6/24/2005
1,2,3-Trichlorobenzene	ND	4.6		µg/Kg	1	6/24/2005
1,2,3-Trichloropropane	ND	4.6		µg/Kg	1	6/24/2005
1,2,4-Trichlorobenzene	ND	4.6		µg/Kg	1	6/24/2005
1,2,4-Trimethylbenzene	ND	4.6		µg/Kg	1	6/24/2005
1,2-Dibromo-3-chloropropane	ND	9.3		µg/Kg	1	6/24/2005
1,2-Dibromoethane	ND	4.6		µg/Kg	1	6/24/2005
1,2-Dichlorobenzene	ND	4.6		µg/Kg	1	6/24/2005
1,2-Dichloroethane	ND	4.6		µg/Kg	1	6/24/2005
1,2-Dichloropropane	ND	4.6		µg/Kg	1	6/24/2005
1,3,5-Trimethylbenzene	ND	4.6		µg/Kg	1	6/24/2005
1,3-Dichlorobenzene	ND	4.6		µg/Kg	1	6/24/2005
1,3-Dichloropropane	ND	4.6		µg/Kg	1	6/24/2005

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank E - Value above quantitation range
DO - Surrogate Diluted Out H-Samples exceeding holding time

Results are wet unless otherwise specified

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Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT:	SCS Engineers	Client Sample ID:	B12-5'
Lab Order:	077299		
Project:	LB Public Service Yard, 01204007.02	Collection Date:	6/20/2005
Lab ID:	077299-015	Matrix:	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 8260B**

RunID:	MS1_050624A	QC Batch:	P05VS095	PrepDate:	6/20/2005	Analyst:	HH
1,4-Dichlorobenzene	ND	4.6		µg/Kg	1		6/24/2005
2,2-Dichloropropane	ND	4.6		µg/Kg	1		6/24/2005
2-Chlorotoluene	ND	4.6		µg/Kg	1		6/24/2005
4-Chlorotoluene	ND	4.6		µg/Kg	1		6/24/2005
4-Isopropyltoluene	ND	4.6		µg/Kg	1		6/24/2005
Benzene	ND	4.6		µg/Kg	1		6/24/2005
Bromobenzene	ND	4.6		µg/Kg	1		6/24/2005
Bromodichloromethane	ND	4.6		µg/Kg	1		6/24/2005
Bromoform	ND	4.6		µg/Kg	1		6/24/2005
Bromomethane	ND	4.6		µg/Kg	1		6/24/2005
Carbon tetrachloride	ND	4.6		µg/Kg	1		6/24/2005
Chlorobenzene	ND	4.6		µg/Kg	1		6/24/2005
Chloroethane	ND	4.6		µg/Kg	1		6/24/2005
Chloroform	ND	4.6		µg/Kg	1		6/24/2005
Chloromethane	ND	4.6		µg/Kg	1		6/24/2005
cis-1,2-Dichloroethene	ND	4.6		µg/Kg	1		6/24/2005
cis-1,3-Dichloropropene	ND	4.6		µg/Kg	1		6/24/2005
Dibromochloromethane	ND	4.6		µg/Kg	1		6/24/2005
Dibromomethane	ND	4.6		µg/Kg	1		6/24/2005
Dichlorodifluoromethane	ND	4.6		µg/Kg	1		6/24/2005
Ethylbenzene	ND	4.6		µg/Kg	1		6/24/2005
Hexachlorobutadiene	ND	4.6		µg/Kg	1		6/24/2005
Isopropylbenzene	ND	4.6		µg/Kg	1		6/24/2005
m,p-Xylene	ND	9.3		µg/Kg	1		6/24/2005
Methylene chloride	ND	4.6		µg/Kg	1		6/24/2005
n-Butylbenzene	ND	4.6		µg/Kg	1		6/24/2005
n-Propylbenzene	ND	4.6		µg/Kg	1		6/24/2005
Naphthalene	ND	4.6		µg/Kg	1		6/24/2005
o-Xylene	ND	4.6		µg/Kg	1		6/24/2005
sec-Butylbenzene	ND	4.6		µg/Kg	1		6/24/2005
Styrene	ND	4.6		µg/Kg	1		6/24/2005
tert-Butylbenzene	ND	4.6		µg/Kg	1		6/24/2005
Tetrachloroethene	ND	4.6		µg/Kg	1		6/24/2005
Toluene	ND	4.6		µg/Kg	1		6/24/2005
trans-1,2-Dichloroethene	ND	4.6		µg/Kg	1		6/24/2005
Trichloroethene	ND	4.6		µg/Kg	1		6/24/2005

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	E - Value above quantitation range
	DO - Surrogate Diluted Out	H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT: SCS Engineers

Client Sample ID: B12-5'

Lab Order: 077299

Project: LB Public Service Yard, 01204007.02

Collection Date: 6/20/2005

Lab ID: 077299-015

Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 8260B**

RunID: MS1_050624A	QC Batch: P05VS095	PrepDate: 6/20/2005	Analyst: HH		
Trichlorofluoromethane	ND	4.6	µg/Kg	1	6/24/2005
Vinyl chloride	ND	4.6	µg/Kg	1	6/24/2005

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

DO - Surrogate Diluted Out

H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT: SCS Engineers

Client Sample ID: B19-1

Lab Order: 077299

Project: LB Public Service Yard, 01204007.02

Collection Date: 6/20/2005 10:36:00 AM

Lab ID: 077299-017

Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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ICP METALS

(EPA 3050B)

EPA 6010B

RunID: ICP6_050628A	QC Batch: 23346	PrepDate: 6/27/2005	Analyst: RQ		
Antimony	ND	2.0	mg/Kg	1	6/28/2005
Arsenic	2.6	1.0	mg/Kg	1	6/28/2005
Barium	96	1.0	mg/Kg	1	6/28/2005
Beryllium	ND	1.0	mg/Kg	1	6/28/2005
Cadmium	ND	1.0	mg/Kg	1	6/28/2005
Chromium	13	1.0	mg/Kg	1	6/28/2005
Cobalt	7.4	1.0	mg/Kg	1	6/28/2005
Copper	28	2.0	mg/Kg	1	6/28/2005
Lead	150	1.0	mg/Kg	1	6/28/2005
Molybdenum	ND	1.0	mg/Kg	1	6/28/2005
Nickel	12	1.0	mg/Kg	1	6/28/2005
Selenium	1.8	1.0	mg/Kg	1	6/28/2005
Silver	ND	1.0	mg/Kg	1	6/28/2005
Thallium	ND	1.0	mg/Kg	1	6/28/2005
Vanadium	26	1.0	mg/Kg	1	6/28/2005
Zinc	97	1.0	mg/Kg	1	6/28/2005

HYDROCARBON CHAIN IDENTIFICATION

(LUFT)

EPA 8015B(M)

RunID: GC7_BACK_050624B	QC Batch: 23319	PrepDate: 6/24/2005	Analyst: CBR		
T/R Hydrocarbons: C13-C22	12	10	mg/Kg	1	6/25/2005

HYDROCARBON CHAIN IDENTIFICATION

(LUFT)

EPA 8015B

RunID: GC7_BACK_050624B	QC Batch: 23319	PrepDate: 6/24/2005	Analyst: CBR		
T/R Hydrocarbons: >C32	85	10	mg/Kg	1	6/25/2005
T/R Hydrocarbons: C23-C32	95	10	mg/Kg	1	6/25/2005

HYDROCARBON CHAIN IDENTIFICATION

EPA 8015B

RunID: GC2_050623B	QC Batch: E05VS164	PrepDate:	Analyst: TT		
T/R Hydrocarbons: C4-C12	ND	1.0	mg/Kg	1	6/24/2005

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT: SCS Engineers

Client Sample ID: B19-1

Lab Order: 077299

Project: LB Public Service Yard, 01204007.02

Collection Date: 6/20/2005 10:36:00 AM

Lab ID: 077299-017

Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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MERCURY BY COLD VAPOR TECHNIQUE (EPA 7471)

EPA 7471A

RunID: AA1_050628B

QC Batch: 23350

PrepDate: 6/27/2005 Analyst: JT

Mercury

ND

0.10

mg/Kg

1

6/28/2005

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT:	SCS Engineers	Client Sample ID:	B19-5
Lab Order:	077299		
Project:	LB Public Service Yard, 01204007.02	Collection Date:	6/20/2005 10:40:00 AM
Lab ID:	077299-018	Matrix:	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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ICP METALS

(EPA 3050B)

EPA 6010B

RunID: ICP6_050628A	QC Batch: 23346	PrepDate: 6/27/2005	Analyst: RQ		
Antimony	ND	2.0	mg/Kg	1	6/28/2005
Arsenic	1.5	1.0	mg/Kg	1	6/28/2005
Barium	110	1.0	mg/Kg	1	6/28/2005
Beryllium	ND	1.0	mg/Kg	1	6/28/2005
Cadmium	ND	1.0	mg/Kg	1	6/28/2005
Chromium	17	1.0	mg/Kg	1	6/28/2005
Cobalt	9.9	1.0	mg/Kg	1	6/28/2005
Copper	22	2.0	mg/Kg	1	6/28/2005
Lead	5.2	1.0	mg/Kg	1	6/28/2005
Molybdenum	ND	1.0	mg/Kg	1	6/28/2005
Nickel	14	1.0	mg/Kg	1	6/28/2005
Selenium	2.4	1.0	mg/Kg	1	6/28/2005
Silver	ND	1.0	mg/Kg	1	6/28/2005
Thallium	ND	1.0	mg/Kg	1	6/28/2005
Vanadium	38	1.0	mg/Kg	1	6/28/2005
Zinc	43	1.0	mg/Kg	1	6/28/2005

HYDROCARBON CHAIN IDENTIFICATION

(LUFT)

EPA 8015B(M)

RunID: GC7_BACK_050624B	QC Batch: 23319	PrepDate: 6/24/2005	Analyst: CBR		
T/R Hydrocarbons: C13-C22	ND	10	mg/Kg	1	6/24/2005

HYDROCARBON CHAIN IDENTIFICATION

(LUFT)

EPA 8015B

RunID: GC7_BACK_050624B	QC Batch: 23319	PrepDate: 6/24/2005	Analyst: CBR		
T/R Hydrocarbons: >C32	ND	10	mg/Kg	1	6/24/2005
T/R Hydrocarbons: C23-C32	ND	10	mg/Kg	1	6/24/2005

HYDROCARBON CHAIN IDENTIFICATION

EPA 8015B

RunID: GC2_050623B	QC Batch: E05VS164	PrepDate: 6/20/2005	Analyst: TT		
T/R Hydrocarbons: C4-C12	ND	40	mg/Kg	50	6/24/2005

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	E - Value above quantitation range
	DO - Surrogate Diluted Out	H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT: SCS Engineers

Client Sample ID: B19-5

Lab Order: 077299

Project: LB Public Service Yard, 01204007.02

Collection Date: 6/20/2005 10:40:00 AM

Lab ID: 077299-018

Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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MERCURY BY COLD VAPOR TECHNIQUE

(EPA 7471)

EPA 7471A

RunID: AA1_050628B	QC Batch: 23350	PrepDate: 6/27/2005	Analyst: JT		
Mercury	ND	0.10	mg/Kg	1	6/28/2005

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS1_050624A	QC Batch: P05VS095	PrepDate: 6/20/2005	Analyst: HH		
1,1,1,2-Tetrachloroethane	ND	4.1	µg/Kg	1	6/24/2005
1,1,1-Trichloroethane	ND	4.1	µg/Kg	1	6/24/2005
1,1,2,2-Tetrachloroethane	ND	4.1	µg/Kg	1	6/24/2005
1,1,2-Trichloroethane	ND	4.1	µg/Kg	1	6/24/2005
1,1-Dichloroethane	ND	4.1	µg/Kg	1	6/24/2005
1,1-Dichloroethene	ND	4.1	µg/Kg	1	6/24/2005
1,1-Dichloropropene	ND	4.1	µg/Kg	1	6/24/2005
1,2,3-Trichlorobenzene	ND	4.1	µg/Kg	1	6/24/2005
1,2,3-Trichloropropane	ND	4.1	µg/Kg	1	6/24/2005
1,2,4-Trichlorobenzene	ND	4.1	µg/Kg	1	6/24/2005
1,2,4-Trimethylbenzene	ND	4.1	µg/Kg	1	6/24/2005
1,2-Dibromo-3-chloropropane	ND	8.2	µg/Kg	1	6/24/2005
1,2-Dibromoethane	ND	4.1	µg/Kg	1	6/24/2005
1,2-Dichlorobenzene	ND	4.1	µg/Kg	1	6/24/2005
1,2-Dichloroethane	ND	4.1	µg/Kg	1	6/24/2005
1,2-Dichloropropane	ND	4.1	µg/Kg	1	6/24/2005
1,3,5-Trimethylbenzene	ND	4.1	µg/Kg	1	6/24/2005
1,3-Dichlorobenzene	ND	4.1	µg/Kg	1	6/24/2005
1,3-Dichloropropane	ND	4.1	µg/Kg	1	6/24/2005
1,4-Dichlorobenzene	ND	4.1	µg/Kg	1	6/24/2005
2,2-Dichloropropane	ND	4.1	µg/Kg	1	6/24/2005
2-Chlorotoluene	ND	4.1	µg/Kg	1	6/24/2005
4-Chlorotoluene	ND	4.1	µg/Kg	1	6/24/2005
4-Isopropyltoluene	ND	4.1	µg/Kg	1	6/24/2005
Benzene	ND	4.1	µg/Kg	1	6/24/2005
Bromobenzene	ND	4.1	µg/Kg	1	6/24/2005
Bromodichloromethane	ND	4.1	µg/Kg	1	6/24/2005
Bromoform	ND	4.1	µg/Kg	1	6/24/2005
Bromomethane	ND	4.1	µg/Kg	1	6/24/2005
Carbon tetrachloride	ND	4.1	µg/Kg	1	6/24/2005
Chlorobenzene	ND	4.1	µg/Kg	1	6/24/2005

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT:	SCS Engineers	Client Sample ID:	B19-5
Lab Order:	077299		
Project:	LB Public Service Yard, 01204007.02	Collection Date:	6/20/2005 10:40:00 AM
Lab ID:	077299-018	Matrix:	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 8260B**

RunID:	MS1_050624A	QC Batch:	P05VS095	PrepDate:	6/20/2005	Analyst:	HH
Chloroethane	ND	4.1	µg/Kg	1		6/24/2005	
Chloroform	ND	4.1	µg/Kg	1		6/24/2005	
Chloromethane	ND	4.1	µg/Kg	1		6/24/2005	
cis-1,2-Dichloroethene	ND	4.1	µg/Kg	1		6/24/2005	
cis-1,3-Dichloropropene	ND	4.1	µg/Kg	1		6/24/2005	
Dibromochloromethane	ND	4.1	µg/Kg	1		6/24/2005	
Dibromomethane	ND	4.1	µg/Kg	1		6/24/2005	
Dichlorodifluoromethane	ND	4.1	µg/Kg	1		6/24/2005	
Ethylbenzene	ND	4.1	µg/Kg	1		6/24/2005	
Hexachlorobutadiene	ND	4.1	µg/Kg	1		6/24/2005	
Isopropylbenzene	ND	4.1	µg/Kg	1		6/24/2005	
m,p-Xylene	ND	8.2	µg/Kg	1		6/24/2005	
Methylene chloride	ND	4.1	µg/Kg	1		6/24/2005	
n-Butylbenzene	ND	4.1	µg/Kg	1		6/24/2005	
n-Propylbenzene	ND	4.1	µg/Kg	1		6/24/2005	
Naphthalene	ND	4.1	µg/Kg	1		6/24/2005	
o-Xylene	ND	4.1	µg/Kg	1		6/24/2005	
sec-Butylbenzene	ND	4.1	µg/Kg	1		6/24/2005	
Styrene	ND	4.1	µg/Kg	1		6/24/2005	
tert-Butylbenzene	ND	4.1	µg/Kg	1		6/24/2005	
Tetrachloroethene	ND	4.1	µg/Kg	1		6/24/2005	
Toluene	ND	4.1	µg/Kg	1		6/24/2005	
trans-1,2-Dichloroethene	ND	4.1	µg/Kg	1		6/24/2005	
Trichloroethene	ND	4.1	µg/Kg	1		6/24/2005	
Trichlorofluoromethane	ND	4.1	µg/Kg	1		6/24/2005	
Vinyl chloride	ND	4.1	µg/Kg	1		6/24/2005	

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	E - Value above quantitation range
	DO - Surrogate Diluted Out	H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT: SCS Engineers **Client Sample ID:** B7-5
Lab Order: 077299
Project: LB Public Service Yard, 01204007.02 **Collection Date:** 6/20/2005 12:09:00 PM
Lab ID: 077299-023 **Matrix:** SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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HYDROCARBON CHAIN IDENTIFICATION (LUFT)

EPA 8015B(M)

RunID: GC7_BACK_050624B	QC Batch: 23319				PrepDate: 6/24/2005	Analyst: CBR
T/R Hydrocarbons: C13-C22	ND	10		mg/Kg	1	6/24/2005

HYDROCARBON CHAIN IDENTIFICATION (LUFT)

EPA 8015B

RunID: GC7_BACK_050624B	QC Batch: 23319				PrepDate: 6/24/2005	Analyst: CBR
T/R Hydrocarbons: >C32	ND	10		mg/Kg	1	6/24/2005
T/R Hydrocarbons: C23-C32	ND	10		mg/Kg	1	6/24/2005

HYDROCARBON CHAIN IDENTIFICATION

EPA 8015B

RunID: GC2_050623B	QC Batch: E05VS164				PrepDate: 6/20/2005	Analyst: TT
T/R Hydrocarbons: C4-C12	ND	45		mg/Kg	50	6/24/2005

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS1_050627A	QC Batch: P05VS096				PrepDate: 6/20/2005	Analyst: HH
1,1,1,2-Tetrachloroethane	ND	4.2		µg/Kg	1	6/27/2005
1,1,1-Trichloroethane	ND	4.2		µg/Kg	1	6/27/2005
1,1,2,2-Tetrachloroethane	ND	4.2		µg/Kg	1	6/27/2005
1,1,2-Trichloroethane	ND	4.2		µg/Kg	1	6/27/2005
1,1-Dichloroethane	ND	4.2		µg/Kg	1	6/27/2005
1,1-Dichloroethene	ND	4.2		µg/Kg	1	6/27/2005
1,1-Dichloropropene	ND	4.2		µg/Kg	1	6/27/2005
1,2,3-Trichlorobenzene	ND	4.2		µg/Kg	1	6/27/2005
1,2,3-Trichloropropane	ND	4.2		µg/Kg	1	6/27/2005
1,2,4-Trichlorobenzene	ND	4.2		µg/Kg	1	6/27/2005
1,2,4-Trimethylbenzene	ND	4.2		µg/Kg	1	6/27/2005
1,2-Dibromo-3-chloropropane	ND	8.5		µg/Kg	1	6/27/2005
1,2-Dibromoethane	ND	4.2		µg/Kg	1	6/27/2005
1,2-Dichlorobenzene	ND	4.2		µg/Kg	1	6/27/2005
1,2-Dichloroethane	ND	4.2		µg/Kg	1	6/27/2005
1,2-Dichloropropane	ND	4.2		µg/Kg	1	6/27/2005
1,3,5-Trimethylbenzene	ND	4.2		µg/Kg	1	6/27/2005
1,3-Dichlorobenzene	ND	4.2		µg/Kg	1	6/27/2005
1,3-Dichloropropane	ND	4.2		µg/Kg	1	6/27/2005

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank E - Value above quantitation range
DO - Surrogate Diluted Out H-Samples exceeding holding time

Results are wet unless otherwise specified

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Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT: SCS Engineers**Client Sample ID:** B7-5**Lab Order:** 077299**Project:** LB Public Service Yard, 01204007.02**Collection Date:** 6/20/2005 12:09:00 PM**Lab ID:** 077299-023**Matrix:** SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 8260B**

RunID: MS1_050627A	QC Batch: P05VS096	PrepDate: 6/20/2005	Analyst: HH		
1,4-Dichlorobenzene	ND	4.2	µg/Kg	1	6/27/2005
2,2-Dichloropropane	ND	4.2	µg/Kg	1	6/27/2005
2-Chlorotoluene	ND	4.2	µg/Kg	1	6/27/2005
4-Chlorotoluene	ND	4.2	µg/Kg	1	6/27/2005
4-Isopropyltoluene	ND	4.2	µg/Kg	1	6/27/2005
Benzene	ND	4.2	µg/Kg	1	6/27/2005
Bromobenzene	ND	4.2	µg/Kg	1	6/27/2005
Bromodichloromethane	ND	4.2	µg/Kg	1	6/27/2005
Bromoform	ND	4.2	µg/Kg	1	6/27/2005
Bromomethane	ND	4.2	µg/Kg	1	6/27/2005
Carbon tetrachloride	ND	4.2	µg/Kg	1	6/27/2005
Chlorobenzene	ND	4.2	µg/Kg	1	6/27/2005
Chloroethane	ND	4.2	µg/Kg	1	6/27/2005
Chloroform	ND	4.2	µg/Kg	1	6/27/2005
Chloromethane	ND	4.2	µg/Kg	1	6/27/2005
cis-1,2-Dichloroethene	ND	4.2	µg/Kg	1	6/27/2005
cis-1,3-Dichloropropene	ND	4.2	µg/Kg	1	6/27/2005
Dibromochloromethane	ND	4.2	µg/Kg	1	6/27/2005
Dibromomethane	ND	4.2	µg/Kg	1	6/27/2005
Dichlorodifluoromethane	ND	4.2	µg/Kg	1	6/27/2005
Ethylbenzene	ND	4.2	µg/Kg	1	6/27/2005
Hexachlorobutadiene	ND	4.2	µg/Kg	1	6/27/2005
Isopropylbenzene	ND	4.2	µg/Kg	1	6/27/2005
m,p-Xylene	ND	8.5	µg/Kg	1	6/27/2005
Methylene chloride	ND	4.2	µg/Kg	1	6/27/2005
n-Butylbenzene	ND	4.2	µg/Kg	1	6/27/2005
n-Propylbenzene	ND	4.2	µg/Kg	1	6/27/2005
Naphthalene	ND	4.2	µg/Kg	1	6/27/2005
o-Xylene	ND	4.2	µg/Kg	1	6/27/2005
sec-Butylbenzene	ND	4.2	µg/Kg	1	6/27/2005
Styrene	ND	4.2	µg/Kg	1	6/27/2005
tert-Butylbenzene	ND	4.2	µg/Kg	1	6/27/2005
Tetrachloroethene	ND	4.2	µg/Kg	1	6/27/2005
Toluene	ND	4.2	µg/Kg	1	6/27/2005
trans-1,2-Dichloroethene	ND	4.2	µg/Kg	1	6/27/2005
Trichloroethene	ND	4.2	µg/Kg	1	6/27/2005

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

DO - Surrogate Diluted Out

H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT: SCS Engineers

Client Sample ID: B7-5

Lab Order: 077299

Project: LB Public Service Yard, 01204007.02

Collection Date: 6/20/2005 12:09:00 PM

Lab ID: 077299-023

Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS1_050627A	QC Batch: P05VS096	PrepDate: 6/20/2005	Analyst: HH		
Trichlorofluoromethane	ND	4.2	µg/Kg	1	6/27/2005
Vinyl chloride	ND	4.2	µg/Kg	1	6/27/2005

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT: SCS Engineers**Client Sample ID:** B8-5**Lab Order:** 077299**Project:** LB Public Service Yard, 01204007.02**Collection Date:** 6/20/2005 12:27:00 PM**Lab ID:** 077299-026**Matrix:** SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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ICP METALS

(EPA 3050B)

EPA 6010B

RunID: ICP6_050628A	QC Batch: 23346	PrepDate: 6/27/2005	Analyst: RQ		
Antimony	ND	2.0	mg/Kg	1	6/28/2005
Arsenic	3.2	1.0	mg/Kg	1	6/28/2005
Barium	160	1.0	mg/Kg	1	6/28/2005
Beryllium	ND	1.0	mg/Kg	1	6/28/2005
Cadmium	ND	1.0	mg/Kg	1	6/28/2005
Chromium	23	1.0	mg/Kg	1	6/28/2005
Cobalt	14	1.0	mg/Kg	1	6/28/2005
Copper	43	2.0	mg/Kg	1	6/28/2005
Lead	18	1.0	mg/Kg	1	6/28/2005
Molybdenum	ND	1.0	mg/Kg	1	6/28/2005
Nickel	18	1.0	mg/Kg	1	6/28/2005
Selenium	1.2	1.0	mg/Kg	1	6/28/2005
Silver	ND	1.0	mg/Kg	1	6/28/2005
Thallium	ND	1.0	mg/Kg	1	6/28/2005
Vanadium	49	1.0	mg/Kg	1	6/28/2005
Zinc	93	1.0	mg/Kg	1	6/28/2005

HYDROCARBON CHAIN IDENTIFICATION

(LUFT)

EPA 8015B(M)

RunID: GC7_BACK_050624B	QC Batch: 23319	PrepDate: 6/24/2005	Analyst: CBR		
T/R Hydrocarbons: C13-C22	ND	10	mg/Kg	1	6/24/2005

HYDROCARBON CHAIN IDENTIFICATION

(LUFT)

EPA 8015B

RunID: GC7_BACK_050624B	QC Batch: 23319	PrepDate: 6/24/2005	Analyst: CBR		
T/R Hydrocarbons: >C32	ND	10	mg/Kg	1	6/24/2005
T/R Hydrocarbons: C23-C32	ND	10	mg/Kg	1	6/24/2005

HYDROCARBON CHAIN IDENTIFICATION**EPA 8015B**

RunID: GC2_050623B	QC Batch: E05VS164	PrepDate: 6/20/2005	Analyst: TT		
T/R Hydrocarbons: C4-C12	ND	38	mg/Kg	50	6/24/2005

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT:	SCS Engineers	Client Sample ID:	B8-5
Lab Order:	077299		
Project:	LB Public Service Yard, 01204007.02	Collection Date:	6/20/2005 12:27:00 PM
Lab ID:	077299-026	Matrix:	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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**MERCURY BY COLD VAPOR TECHNIQUE
(EPA 7471)****EPA 7471A**

RunID: AA1_050628B	QC Batch: 23350	PrepDate: 6/27/2005	Analyst: JT		
Mercury	0.15	0.10	mg/Kg	1	6/28/2005

VOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 8260B**

RunID: MS1_050627A	QC Batch: P05VS096	PrepDate: 6/20/2005	Analyst: HH		
1,1,1,2-Tetrachloroethane	ND	4.4	µg/Kg	1	6/27/2005
1,1,1-Trichloroethane	4.9	4.4	µg/Kg	1	6/27/2005
1,1,2,2-Tetrachloroethane	ND	4.4	µg/Kg	1	6/27/2005
1,1,2-Trichloroethane	ND	4.4	µg/Kg	1	6/27/2005
1,1-Dichloroethane	ND	4.4	µg/Kg	1	6/27/2005
1,1-Dichloroethene	ND	4.4	µg/Kg	1	6/27/2005
1,1-Dichloropropene	ND	4.4	µg/Kg	1	6/27/2005
1,2,3-Trichlorobenzene	ND	4.4	µg/Kg	1	6/27/2005
1,2,3-Trichloropropane	ND	4.4	µg/Kg	1	6/27/2005
1,2,4-Trichlorobenzene	ND	4.4	µg/Kg	1	6/27/2005
1,2,4-Trimethylbenzene	ND	4.4	µg/Kg	1	6/27/2005
1,2-Dibromo-3-chloropropane	ND	8.8	µg/Kg	1	6/27/2005
1,2-Dibromoethane	ND	4.4	µg/Kg	1	6/27/2005
1,2-Dichlorobenzene	ND	4.4	µg/Kg	1	6/27/2005
1,2-Dichloroethane	ND	4.4	µg/Kg	1	6/27/2005
1,2-Dichloropropane	ND	4.4	µg/Kg	1	6/27/2005
1,3,5-Trimethylbenzene	ND	4.4	µg/Kg	1	6/27/2005
1,3-Dichlorobenzene	ND	4.4	µg/Kg	1	6/27/2005
1,3-Dichloropropane	ND	4.4	µg/Kg	1	6/27/2005
1,4-Dichlorobenzene	ND	4.4	µg/Kg	1	6/27/2005
2,2-Dichloropropane	ND	4.4	µg/Kg	1	6/27/2005
2-Chlorotoluene	ND	4.4	µg/Kg	1	6/27/2005
4-Chlorotoluene	ND	4.4	µg/Kg	1	6/27/2005
4-Isopropyltoluene	ND	4.4	µg/Kg	1	6/27/2005
Benzene	ND	4.4	µg/Kg	1	6/27/2005
Bromobenzene	ND	4.4	µg/Kg	1	6/27/2005
Bromodichloromethane	ND	4.4	µg/Kg	1	6/27/2005
Bromoform	ND	4.4	µg/Kg	1	6/27/2005
Bromomethane	ND	4.4	µg/Kg	1	6/27/2005
Carbon tetrachloride	ND	4.4	µg/Kg	1	6/27/2005
Chlorobenzene	ND	4.4	µg/Kg	1	6/27/2005

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	E - Value above quantitation range
	DO - Surrogate Diluted Out	H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT: SCS Engineers**Client Sample ID:** B8-5**Lab Order:** 077299**Project:** LB Public Service Yard, 01204007.02**Collection Date:** 6/20/2005 12:27:00 PM**Lab ID:** 077299-026**Matrix:** SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 8260B**

RunID:	MS1_050627A	QC Batch:	P05VS096	PrepDate:	6/20/2005	Analyst:	HH
Chloroethane	ND	4.4	µg/Kg	1	6/27/2005		
Chloroform	ND	4.4	µg/Kg	1	6/27/2005		
Chloromethane	ND	4.4	µg/Kg	1	6/27/2005		
cis-1,2-Dichloroethene	ND	4.4	µg/Kg	1	6/27/2005		
cis-1,3-Dichloropropene	ND	4.4	µg/Kg	1	6/27/2005		
Dibromochloromethane	ND	4.4	µg/Kg	1	6/27/2005		
Dibromomethane	ND	4.4	µg/Kg	1	6/27/2005		
Dichlorodifluoromethane	ND	4.4	µg/Kg	1	6/27/2005		
Ethylbenzene	ND	4.4	µg/Kg	1	6/27/2005		
Hexachlorobutadiene	ND	4.4	µg/Kg	1	6/27/2005		
Isopropylbenzene	ND	4.4	µg/Kg	1	6/27/2005		
m,p-Xylene	ND	8.8	µg/Kg	1	6/27/2005		
Methylene chloride	ND	4.4	µg/Kg	1	6/27/2005		
n-Butylbenzene	ND	4.4	µg/Kg	1	6/27/2005		
n-Propylbenzene	ND	4.4	µg/Kg	1	6/27/2005		
Naphthalene	ND	4.4	µg/Kg	1	6/27/2005		
o-Xylene	ND	4.4	µg/Kg	1	6/27/2005		
sec-Butylbenzene	ND	4.4	µg/Kg	1	6/27/2005		
Styrene	ND	4.4	µg/Kg	1	6/27/2005		
tert-Butylbenzene	ND	4.4	µg/Kg	1	6/27/2005		
Tetrachloroethene	ND	4.4	µg/Kg	1	6/27/2005		
Toluene	ND	4.4	µg/Kg	1	6/27/2005		
trans-1,2-Dichloroethene	ND	4.4	µg/Kg	1	6/27/2005		
Trichloroethene	ND	4.4	µg/Kg	1	6/27/2005		
Trichlorofluoromethane	ND	4.4	µg/Kg	1	6/27/2005		
Vinyl chloride	ND	4.4	µg/Kg	1	6/27/2005		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT: SCS Engineers

Client Sample ID: B4-10

Lab Order: 077299

Project: LB Public Service Yard, 01204007.02

Collection Date: 6/20/2005 12:58:00 PM

Lab ID: 077299-030

Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 8260B**

RunID: MS1_050627A	QC Batch: P05VS096	PrepDate: 6/20/2005	Analyst: HH		
1,1,1,2-Tetrachloroethane	ND	3.9	µg/Kg	1	6/27/2005
1,1,1-Trichloroethane	ND	3.9	µg/Kg	1	6/27/2005
1,1,2,2-Tetrachloroethane	ND	3.9	µg/Kg	1	6/27/2005
1,1,2-Trichloroethane	ND	3.9	µg/Kg	1	6/27/2005
1,1-Dichloroethane	ND	3.9	µg/Kg	1	6/27/2005
1,1-Dichloroethene	ND	3.9	µg/Kg	1	6/27/2005
1,1-Dichloropropene	ND	3.9	µg/Kg	1	6/27/2005
1,2,3-Trichlorobenzene	ND	3.9	µg/Kg	1	6/27/2005
1,2,3-Trichloropropane	ND	3.9	µg/Kg	1	6/27/2005
1,2,4-Trichlorobenzene	ND	3.9	µg/Kg	1	6/27/2005
1,2,4-Trimethylbenzene	ND	3.9	µg/Kg	1	6/27/2005
1,2-Dibromo-3-chloropropane	ND	7.8	µg/Kg	1	6/27/2005
1,2-Dibromoethane	ND	3.9	µg/Kg	1	6/27/2005
1,2-Dichlorobenzene	ND	3.9	µg/Kg	1	6/27/2005
1,2-Dichloroethane	ND	3.9	µg/Kg	1	6/27/2005
1,2-Dichloropropane	ND	3.9	µg/Kg	1	6/27/2005
1,3,5-Trimethylbenzene	ND	3.9	µg/Kg	1	6/27/2005
1,3-Dichlorobenzene	ND	3.9	µg/Kg	1	6/27/2005
1,3-Dichloropropane	ND	3.9	µg/Kg	1	6/27/2005
1,4-Dichlorobenzene	ND	3.9	µg/Kg	1	6/27/2005
2,2-Dichloropropane	ND	3.9	µg/Kg	1	6/27/2005
2-Chlorotoluene	ND	3.9	µg/Kg	1	6/27/2005
4-Chlorotoluene	ND	3.9	µg/Kg	1	6/27/2005
4-Isopropyltoluene	ND	3.9	µg/Kg	1	6/27/2005
Benzene	ND	3.9	µg/Kg	1	6/27/2005
Bromobenzene	ND	3.9	µg/Kg	1	6/27/2005
Bromodichloromethane	ND	3.9	µg/Kg	1	6/27/2005
Bromoform	ND	3.9	µg/Kg	1	6/27/2005
Bromomethane	ND	3.9	µg/Kg	1	6/27/2005
Carbon tetrachloride	ND	3.9	µg/Kg	1	6/27/2005
Chlorobenzene	ND	3.9	µg/Kg	1	6/27/2005
Chloroethane	ND	3.9	µg/Kg	1	6/27/2005
Chloroform	ND	3.9	µg/Kg	1	6/27/2005
Chloromethane	ND	3.9	µg/Kg	1	6/27/2005
cis-1,2-Dichloroethene	ND	3.9	µg/Kg	1	6/27/2005
cis-1,3-Dichloropropene	ND	3.9	µg/Kg	1	6/27/2005

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

DO - Surrogate Diluted Out

H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT: SCS Engineers

Client Sample ID: B4-10

Lab Order: 077299

Project: LB Public Service Yard, 01204007.02

Collection Date: 6/20/2005 12:58:00 PM

Lab ID: 077299-030

Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 8260B**

RunID: MS1_050627A	QC Batch: P05VS096	PrepDate: 6/20/2005	Analyst: HH		
Dibromochloromethane	4.3	3.9	µg/Kg	1	6/27/2005
Dibromomethane	ND	3.9	µg/Kg	1	6/27/2005
Dichlorodifluoromethane	ND	3.9	µg/Kg	1	6/27/2005
Ethylbenzene	ND	3.9	µg/Kg	1	6/27/2005
Hexachlorobutadiene	ND	3.9	µg/Kg	1	6/27/2005
Isopropylbenzene	ND	3.9	µg/Kg	1	6/27/2005
m,p-Xylene	ND	7.8	µg/Kg	1	6/27/2005
Methylene chloride	ND	3.9	µg/Kg	1	6/27/2005
n-Butylbenzene	ND	3.9	µg/Kg	1	6/27/2005
n-Propylbenzene	ND	3.9	µg/Kg	1	6/27/2005
Naphthalene	ND	3.9	µg/Kg	1	6/27/2005
o-Xylene	ND	3.9	µg/Kg	1	6/27/2005
sec-Butylbenzene	ND	3.9	µg/Kg	1	6/27/2005
Styrene	ND	3.9	µg/Kg	1	6/27/2005
tert-Butylbenzene	ND	3.9	µg/Kg	1	6/27/2005
Tetrachloroethene	ND	3.9	µg/Kg	1	6/27/2005
Toluene	ND	3.9	µg/Kg	1	6/27/2005
trans-1,2-Dichloroethene	ND	3.9	µg/Kg	1	6/27/2005
Trichloroethene	ND	3.9	µg/Kg	1	6/27/2005
Trichlorofluoromethane	ND	3.9	µg/Kg	1	6/27/2005
Vinyl chloride	ND	3.9	µg/Kg	1	6/27/2005

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

DO - Surrogate Diluted Out

H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT: SCS Engineers **Client Sample ID:** B6-10
Lab Order: 077299
Project: LB Public Service Yard, 01204007.02 **Collection Date:** 6/20/2005 1:17:00 PM
Lab ID: 077299-033 **Matrix:** SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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HYDROCARBON CHAIN IDENTIFICATION (LUFT)

EPA 8015B(M)

RunID: GC7_BACK_050624B QC Batch: 23319 PrepDate: 6/24/2005 Analyst: CBR
 T/R Hydrocarbons: C13-C22 ND 10 mg/Kg 1 6/24/2005

HYDROCARBON CHAIN IDENTIFICATION (LUFT)

EPA 8015B

RunID: GC7_BACK_050624B QC Batch: 23319 PrepDate: 6/24/2005 Analyst: CBR
 T/R Hydrocarbons: >C32 ND 10 mg/Kg 1 6/24/2005
 T/R Hydrocarbons: C23-C32 ND 10 mg/Kg 1 6/24/2005

HYDROCARBON CHAIN IDENTIFICATION

EPA 8015B

RunID: GC2_050623B QC Batch: E05VS164 PrepDate: 6/20/2005 Analyst: TT
 T/R Hydrocarbons: C4-C12 ND 41 mg/Kg 50 6/24/2005

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID:	MS1_050627A	QC Batch:	P05VS096	PrepDate:	6/20/2005	Analyst:	HH
1,1,1,2-Tetrachloroethane	ND	4.2	µg/Kg	1	6/27/2005		
1,1,1-Trichloroethane	ND	4.2	µg/Kg	1	6/27/2005		
1,1,2,2-Tetrachloroethane	ND	4.2	µg/Kg	1	6/27/2005		
1,1,2-Trichloroethane	ND	4.2	µg/Kg	1	6/27/2005		
1,1-Dichloroethane	ND	4.2	µg/Kg	1	6/27/2005		
1,1-Dichloroethene	ND	4.2	µg/Kg	1	6/27/2005		
1,1-Dichloropropene	ND	4.2	µg/Kg	1	6/27/2005		
1,2,3-Trichlorobenzene	ND	4.2	µg/Kg	1	6/27/2005		
1,2,3-Trichloropropane	ND	4.2	µg/Kg	1	6/27/2005		
1,2,4-Trichlorobenzene	ND	4.2	µg/Kg	1	6/27/2005		
1,2,4-Trimethylbenzene	ND	4.2	µg/Kg	1	6/27/2005		
1,2-Dibromo-3-chloropropane	ND	8.5	µg/Kg	1	6/27/2005		
1,2-Dibromoethane	ND	4.2	µg/Kg	1	6/27/2005		
1,2-Dichlorobenzene	ND	4.2	µg/Kg	1	6/27/2005		
1,2-Dichloroethane	ND	4.2	µg/Kg	1	6/27/2005		
1,2-Dichloropropane	ND	4.2	µg/Kg	1	6/27/2005		
1,3,5-Trimethylbenzene	ND	4.2	µg/Kg	1	6/27/2005		
1,3-Dichlorobenzene	ND	4.2	µg/Kg	1	6/27/2005		
1,3-Dichloropropane	ND	4.2	µg/Kg	1	6/27/2005		

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank E - Value above quantitation range
 DO - Surrogate Diluted Out H-Samples exceeding holding time

Results are wet unless otherwise specified

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Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT: SCS Engineers**Client Sample ID:** B6-10**Lab Order:** 077299**Project:** LB Public Service Yard, 01204007.02**Collection Date:** 6/20/2005 1:17:00 PM**Lab ID:** 077299-033**Matrix:** SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 8260B**

RunID: MS1_050627A	QC Batch: P05VS096	PrepDate: 6/20/2005	Analyst: HH		
1,4-Dichlorobenzene	ND	4.2	µg/Kg	1	6/27/2005
2,2-Dichloropropane	ND	4.2	µg/Kg	1	6/27/2005
2-Chlorotoluene	ND	4.2	µg/Kg	1	6/27/2005
4-Chlorotoluene	ND	4.2	µg/Kg	1	6/27/2005
4-Isopropyltoluene	ND	4.2	µg/Kg	1	6/27/2005
Benzene	ND	4.2	µg/Kg	1	6/27/2005
Bromobenzene	ND	4.2	µg/Kg	1	6/27/2005
Bromodichloromethane	ND	4.2	µg/Kg	1	6/27/2005
Bromoform	ND	4.2	µg/Kg	1	6/27/2005
Bromomethane	ND	4.2	µg/Kg	1	6/27/2005
Carbon tetrachloride	ND	4.2	µg/Kg	1	6/27/2005
Chlorobenzene	ND	4.2	µg/Kg	1	6/27/2005
Chloroethane	ND	4.2	µg/Kg	1	6/27/2005
Chloroform	ND	4.2	µg/Kg	1	6/27/2005
Chloromethane	ND	4.2	µg/Kg	1	6/27/2005
cis-1,2-Dichloroethene	ND	4.2	µg/Kg	1	6/27/2005
cis-1,3-Dichloropropene	ND	4.2	µg/Kg	1	6/27/2005
Dibromochloromethane	ND	4.2	µg/Kg	1	6/27/2005
Dibromomethane	ND	4.2	µg/Kg	1	6/27/2005
Dichlorodifluoromethane	ND	4.2	µg/Kg	1	6/27/2005
Ethylbenzene	ND	4.2	µg/Kg	1	6/27/2005
Hexachlorobutadiene	ND	4.2	µg/Kg	1	6/27/2005
Isopropylbenzene	ND	4.2	µg/Kg	1	6/27/2005
m,p-Xylene	ND	8.5	µg/Kg	1	6/27/2005
Methylene chloride	ND	4.2	µg/Kg	1	6/27/2005
n-Butylbenzene	ND	4.2	µg/Kg	1	6/27/2005
n-Propylbenzene	ND	4.2	µg/Kg	1	6/27/2005
Naphthalene	ND	4.2	µg/Kg	1	6/27/2005
o-Xylene	ND	4.2	µg/Kg	1	6/27/2005
sec-Butylbenzene	ND	4.2	µg/Kg	1	6/27/2005
Styrene	ND	4.2	µg/Kg	1	6/27/2005
tert-Butylbenzene	ND	4.2	µg/Kg	1	6/27/2005
Tetrachloroethene	ND	4.2	µg/Kg	1	6/27/2005
Toluene	ND	4.2	µg/Kg	1	6/27/2005
trans-1,2-Dichloroethene	ND	4.2	µg/Kg	1	6/27/2005
Trichloroethene	ND	4.2	µg/Kg	1	6/27/2005

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

DO - Surrogate Diluted Out

H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT:	SCS Engineers	Client Sample ID:	B6-10
Lab Order:	077299		
Project:	LB Public Service Yard, 01204007.02	Collection Date:	6/20/2005 1:17:00 PM
Lab ID:	077299-033	Matrix:	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 8260B**

RunID: MS1_050627A	QC Batch: P05VS096	PrepDate: 6/20/2005	Analyst: HH		
Trichlorofluoromethane	ND	4.2	µg/Kg	1	6/27/2005
Vinyl chloride	ND	4.2	µg/Kg	1	6/27/2005

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	E - Value above quantitation range
	DO - Surrogate Diluted Out	H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT:	SCS Engineers	Client Sample ID:	B21-1
Lab Order:	077299		
Project:	LB Public Service Yard, 01204007.02	Collection Date:	6/20/2005
Lab ID:	077299-037	Matrix:	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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ICP METALS

(EPA 3050B)

EPA 6010B

RunID: ICP6_050628A	QC Batch: 23346	PrepDate: 6/27/2005	Analyst: RQ		
Antimony	ND	2.0	mg/Kg	1	6/28/2005
Arsenic	1.8	1.0	mg/Kg	1	6/28/2005
Barium	130	1.0	mg/Kg	1	6/28/2005
Beryllium	ND	1.0	mg/Kg	1	6/28/2005
Cadmium	ND	1.0	mg/Kg	1	6/28/2005
Chromium	20	1.0	mg/Kg	1	6/28/2005
Cobalt	12	1.0	mg/Kg	1	6/28/2005
Copper	23	2.0	mg/Kg	1	6/28/2005
Lead	6.3	1.0	mg/Kg	1	6/28/2005
Molybdenum	ND	1.0	mg/Kg	1	6/28/2005
Nickel	15	1.0	mg/Kg	1	6/28/2005
Selenium	2.2	1.0	mg/Kg	1	6/28/2005
Silver	ND	1.0	mg/Kg	1	6/28/2005
Thallium	ND	1.0	mg/Kg	1	6/28/2005
Vanadium	41	1.0	mg/Kg	1	6/28/2005
Zinc	54	1.0	mg/Kg	1	6/28/2005

MERCURY BY COLD VAPOR TECHNIQUE

(EPA 7471)

EPA 7471A

RunID: AA1_050628B	QC Batch: 23350	PrepDate: 6/27/2005	Analyst: JT		
Mercury	ND	0.10	mg/Kg	1	6/28/2005

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	E - Value above quantitation range
	DO - Surrogate Diluted Out	H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT: SCS Engineers**Client Sample ID:** B21-5**Lab Order:** 077299**Project:** LB Public Service Yard, 01204007.02**Collection Date:** 6/20/2005**Lab ID:** 077299-038**Matrix:** SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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**HYDROCARBON CHAIN IDENTIFICATION
(LUFT)****EPA 8015B(M)**

RunID: GC7_BACK_050624B	QC Batch: 23319	PrepDate: 6/24/2005	Analyst: CBR		
T/R Hydrocarbons: C13-C22	ND	10	mg/Kg	1	6/24/2005

**HYDROCARBON CHAIN IDENTIFICATION
(LUFT)****EPA 8015B**

RunID: GC7_BACK_050624B	QC Batch: 23319	PrepDate: 6/24/2005	Analyst: CBR		
T/R Hydrocarbons: >C32	ND	10	mg/Kg	1	6/24/2005
T/R Hydrocarbons: C23-C32	ND	10	mg/Kg	1	6/24/2005

HYDROCARBON CHAIN IDENTIFICATION**EPA 8015B**

RunID: GC2_050623B	QC Batch: E05VS164	PrepDate:	Analyst: TT		
T/R Hydrocarbons: C4-C12	ND	1.0	mg/Kg	1	6/24/2005

VOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 8260B**

RunID: MS3_050627A	QC Batch: R05VS082	PrepDate:	Analyst: HH		
1,1,1,2-Tetrachloroethane	ND	5.0	µg/Kg	1	6/27/2005
1,1,1-Trichloroethane	ND	5.0	µg/Kg	1	6/27/2005
1,1,2,2-Tetrachloroethane	ND	5.0	µg/Kg	1	6/27/2005
1,1,2-Trichloroethane	ND	5.0	µg/Kg	1	6/27/2005
1,1-Dichloroethane	ND	5.0	µg/Kg	1	6/27/2005
1,1-Dichloroethene	ND	5.0	µg/Kg	1	6/27/2005
1,1-Dichloropropene	ND	5.0	µg/Kg	1	6/27/2005
1,2,3-Trichlorobenzene	ND	5.0	µg/Kg	1	6/27/2005
1,2,3-Trichloropropane	ND	5.0	µg/Kg	1	6/27/2005
1,2,4-Trichlorobenzene	ND	5.0	µg/Kg	1	6/27/2005
1,2,4-Trimethylbenzene	ND	5.0	µg/Kg	1	6/27/2005
1,2-Dibromo-3-chloropropane	ND	10	µg/Kg	1	6/27/2005
1,2-Dibromoethane	ND	5.0	µg/Kg	1	6/27/2005
1,2-Dichlorobenzene	ND	5.0	µg/Kg	1	6/27/2005
1,2-Dichloroethane	ND	5.0	µg/Kg	1	6/27/2005
1,2-Dichloropropane	ND	5.0	µg/Kg	1	6/27/2005
1,3,5-Trimethylbenzene	ND	5.0	µg/Kg	1	6/27/2005
1,3-Dichlorobenzene	ND	5.0	µg/Kg	1	6/27/2005
1,3-Dichloropropane	ND	5.0	µg/Kg	1	6/27/2005

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT:	SCS Engineers	Client Sample ID:	B21-5
Lab Order:	077299		
Project:	LB Public Service Yard, 01204007.02	Collection Date:	6/20/2005
Lab ID:	077299-038	Matrix:	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 8260B**

RunID: MS3_050627A	QC Batch: R05VS082	PrepDate:	Analyst: HH		
1,4-Dichlorobenzene	ND	5.0	µg/Kg	1	6/27/2005
2,2-Dichloropropane	ND	5.0	µg/Kg	1	6/27/2005
2-Chlorotoluene	ND	5.0	µg/Kg	1	6/27/2005
4-Chlorotoluene	ND	5.0	µg/Kg	1	6/27/2005
4-Isopropyltoluene	ND	5.0	µg/Kg	1	6/27/2005
Benzene	ND	5.0	µg/Kg	1	6/27/2005
Bromobenzene	ND	5.0	µg/Kg	1	6/27/2005
Bromodichloromethane	ND	5.0	µg/Kg	1	6/27/2005
Bromoform	ND	5.0	µg/Kg	1	6/27/2005
Bromomethane	ND	5.0	µg/Kg	1	6/27/2005
Carbon tetrachloride	ND	5.0	µg/Kg	1	6/27/2005
Chlorobenzene	ND	5.0	µg/Kg	1	6/27/2005
Chloroethane	ND	5.0	µg/Kg	1	6/27/2005
Chloroform	ND	5.0	µg/Kg	1	6/27/2005
Chloromethane	ND	5.0	µg/Kg	1	6/27/2005
cis-1,2-Dichloroethene	ND	5.0	µg/Kg	1	6/27/2005
cis-1,3-Dichloropropene	ND	5.0	µg/Kg	1	6/27/2005
Dibromochloromethane	ND	5.0	µg/Kg	1	6/27/2005
Dibromomethane	ND	5.0	µg/Kg	1	6/27/2005
Dichlorodifluoromethane	ND	5.0	µg/Kg	1	6/27/2005
Ethylbenzene	ND	5.0	µg/Kg	1	6/27/2005
Hexachlorobutadiene	ND	5.0	µg/Kg	1	6/27/2005
Isopropylbenzene	ND	5.0	µg/Kg	1	6/27/2005
m,p-Xylene	ND	10	µg/Kg	1	6/27/2005
Methylene chloride	ND	5.0	µg/Kg	1	6/27/2005
n-Butylbenzene	ND	5.0	µg/Kg	1	6/27/2005
n-Propylbenzene	ND	5.0	µg/Kg	1	6/27/2005
Naphthalene	ND	5.0	µg/Kg	1	6/27/2005
o-Xylene	ND	5.0	µg/Kg	1	6/27/2005
sec-Butylbenzene	ND	5.0	µg/Kg	1	6/27/2005
Styrene	ND	5.0	µg/Kg	1	6/27/2005
tert-Butylbenzene	ND	5.0	µg/Kg	1	6/27/2005
Tetrachloroethene	ND	5.0	µg/Kg	1	6/27/2005
Toluene	ND	5.0	µg/Kg	1	6/27/2005
trans-1,2-Dichloroethene	ND	5.0	µg/Kg	1	6/27/2005
Trichloroethene	ND	5.0	µg/Kg	1	6/27/2005

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT: SCS Engineers

Client Sample ID: B21-5

Lab Order: 077299

Project: LB Public Service Yard, 01204007.02

Collection Date: 6/20/2005

Lab ID: 077299-038

Matrix: SOIL

Analyte	Result	PQL	Qnal	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS3_050627A

QC Batch: R05VS082

PrepDate:

Analyst: HH

Trichlorofluoromethane

ND

5.0

µg/Kg

1

6/27/2005

Vinyl chloride

ND

5.0

µg/Kg

1

6/27/2005

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

DO - Surrogate Diluted Out

H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT: SCS Engineers**Client Sample ID:** B22-1**Lab Order:** 077299**Project:** LB Public Service Yard, 01204007.02**Collection Date:** 6/20/2005**Lab ID:** 077299-039**Matrix:** SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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**HYDROCARBON CHAIN IDENTIFICATION
(LUFT)****EPA 8015B(M)**

RunID: GC7_BACK_050624B	QC Batch: 23319				PrepDate: 6/24/2005	Analyst: CBR
T/R Hydrocarbons: C13-C22	ND	10		mg/Kg	1	6/24/2005

**HYDROCARBON CHAIN IDENTIFICATION
(LUFT)****EPA 8015B**

RunID: GC7_BACK_050624B	QC Batch: 23319				PrepDate: 6/24/2005	Analyst: CBR
T/R Hydrocarbons: >C32	ND	10		mg/Kg	1	6/24/2005
T/R Hydrocarbons: C23-C32	ND	10		mg/Kg	1	6/24/2005

HYDROCARBON CHAIN IDENTIFICATION**EPA 8015B**

RunID: GC2_050623B	QC Batch: E05VS164				PrepDate:	Analyst: TT
T/R Hydrocarbons: C4-C12	ND	1.0		mg/Kg	1	6/24/2005

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT: SCS Engineers**Client Sample ID:** B22-5**Lab Order:** 077299**Project:** LB Public Service Yard, 01204007.02**Collection Date:** 6/20/2005**Lab ID:** 077299-040**Matrix:** SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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HYDROCARBON CHAIN IDENTIFICATION

(LUFT)

EPA 8015B(M)

RunID: GC7_BACK_050624B QC Batch: 23319 PrepDate: 6/24/2005 Analyst: CBR

T/R Hydrocarbons: C13-C22 ND 10 mg/Kg 1 6/24/2005

HYDROCARBON CHAIN IDENTIFICATION

(LUFT)

EPA 8015B

RunID: GC7_BACK_050624B QC Batch: 23319 PrepDate: 6/24/2005 Analyst: CBR

T/R Hydrocarbons: >C32 ND 10 mg/Kg 1 6/24/2005

T/R Hydrocarbons: C23-C32 ND 10 mg/Kg 1 6/24/2005

HYDROCARBON CHAIN IDENTIFICATION**EPA 8015B**

RunID: GC2_050623B QC Batch: E05VS164 PrepDate: Analyst: TT

T/R Hydrocarbons: C4-C12 ND 1.0 mg/Kg 1 6/24/2005

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT: SCS Engineers**Client Sample ID:** B23-1**Lab Order:** 077299**Project:** LB Public Service Yard, 01204007.02**Collection Date:** 6/20/2005**Lab ID:** 077299-041**Matrix:** SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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ICP METALS

(EPA 3050B)

EPA 6010B

RunID: ICP6_050628A	QC Batch: 23346	PrepDate: 6/27/2005	Analyst: RQ		
Antimony	ND	2.0	mg/Kg	1	6/28/2005
Arsenic	2.8	1.0	mg/Kg	1	6/28/2005
Barium	150	1.0	mg/Kg	1	6/28/2005
Beryllium	ND	1.0	mg/Kg	1	6/28/2005
Cadmium	ND	1.0	mg/Kg	1	6/28/2005
Chromium	21	1.0	mg/Kg	1	6/28/2005
Cobalt	12	1.0	mg/Kg	1	6/28/2005
Copper	28	2.0	mg/Kg	1	6/28/2005
Lead	21	1.0	mg/Kg	1	6/28/2005
Molybdenum	ND	1.0	mg/Kg	1	6/28/2005
Nickel	17	1.0	mg/Kg	1	6/28/2005
Selenium	2.1	1.0	mg/Kg	1	6/28/2005
Silver	ND	1.0	mg/Kg	1	6/28/2005
Thallium	ND	1.0	mg/Kg	1	6/28/2005
Vanadium	42	1.0	mg/Kg	1	6/28/2005
Zinc	81	1.0	mg/Kg	1	6/28/2005

HYDROCARBON CHAIN IDENTIFICATION

(LUFT)

EPA 8015B(M)

RunID: GC7_BACK_050624B	QC Batch: 23319	PrepDate: 6/24/2005	Analyst: CBR		
T/R Hydrocarbons: C13-C22	ND	10	mg/Kg	1	6/24/2005

HYDROCARBON CHAIN IDENTIFICATION

(LUFT)

EPA 8015B

RunID: GC7_BACK_050624B	QC Batch: 23319	PrepDate: 6/24/2005	Analyst: CBR		
T/R Hydrocarbons: >C32	ND	10	mg/Kg	1	6/24/2005
T/R Hydrocarbons: C23-C32	ND	10	mg/Kg	1	6/24/2005

HYDROCARBON CHAIN IDENTIFICATION**EPA 8015B**

RunID: GC2_050623B	QC Batch: E05VS164	PrepDate:	Analyst: TT		
T/R Hydrocarbons: C4-C12	ND	1.0	mg/Kg	1	6/24/2005

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT: SCS Engineers

Client Sample ID: B23-1

Lab Order: 077299

Project: LB Public Service Yard, 01204007.02

Collection Date: 6/20/2005

Lab ID: 077299-041

Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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MERCURY BY COLD VAPOR TECHNIQUE (EPA 7471)

EPA 7471A

RunID: AA1_050628B

QC Batch: 23350

PrepDate: 6/27/2005 Analyst: JT

Mercury

ND

0.10

mg/Kg

1

6/28/2005

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT: SCS Engineers

Client Sample ID: B23-5

Lab Order: 077299

Project: LB Public Service Yard, 01204007.02

Collection Date: 6/20/2005

Lab ID: 077299-042

Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 8260B**

RunID: MS3_050627A	QC Batch: R05VS082	PrepDate:	Analyst: HH		
1,1,1,2-Tetrachloroethane	ND	5.0	µg/Kg	1	6/27/2005
1,1,1-Trichloroethane	ND	5.0	µg/Kg	1	6/27/2005
1,1,2,2-Tetrachloroethane	ND	5.0	µg/Kg	1	6/27/2005
1,1,2-Trichloroethane	ND	5.0	µg/Kg	1	6/27/2005
1,1-Dichloroethane	ND	5.0	µg/Kg	1	6/27/2005
1,1-Dichloroethene	ND	5.0	µg/Kg	1	6/27/2005
1,1-Dichloropropene	ND	5.0	µg/Kg	1	6/27/2005
1,2,3-Trichlorobenzene	ND	5.0	µg/Kg	1	6/27/2005
1,2,3-Trichloropropane	ND	5.0	µg/Kg	1	6/27/2005
1,2,4-Trichlorobenzene	ND	5.0	µg/Kg	1	6/27/2005
1,2,4-Trimethylbenzene	ND	5.0	µg/Kg	1	6/27/2005
1,2-Dibromo-3-chloropropane	ND	10	µg/Kg	1	6/27/2005
1,2-Dibromoethane	ND	5.0	µg/Kg	1	6/27/2005
1,2-Dichlorobenzene	ND	5.0	µg/Kg	1	6/27/2005
1,2-Dichloroethane	ND	5.0	µg/Kg	1	6/27/2005
1,2-Dichloropropane	ND	5.0	µg/Kg	1	6/27/2005
1,3,5-Trimethylbenzene	ND	5.0	µg/Kg	1	6/27/2005
1,3-Dichlorobenzene	ND	5.0	µg/Kg	1	6/27/2005
1,3-Dichloropropane	ND	5.0	µg/Kg	1	6/27/2005
1,4-Dichlorobenzene	ND	5.0	µg/Kg	1	6/27/2005
2,2-Dichloropropane	ND	5.0	µg/Kg	1	6/27/2005
2-Chlorotoluene	ND	5.0	µg/Kg	1	6/27/2005
4-Chlorotoluene	ND	5.0	µg/Kg	1	6/27/2005
4-Isopropyltoluene	ND	5.0	µg/Kg	1	6/27/2005
Benzene	ND	5.0	µg/Kg	1	6/27/2005
Bromobenzene	ND	5.0	µg/Kg	1	6/27/2005
Bromodichloromethane	ND	5.0	µg/Kg	1	6/27/2005
Bromoform	ND	5.0	µg/Kg	1	6/27/2005
Bromomethane	ND	5.0	µg/Kg	1	6/27/2005
Carbon tetrachloride	ND	5.0	µg/Kg	1	6/27/2005
Chlorobenzene	ND	5.0	µg/Kg	1	6/27/2005
Chloroethane	ND	5.0	µg/Kg	1	6/27/2005
Chloroform	ND	5.0	µg/Kg	1	6/27/2005
Chloromethane	ND	5.0	µg/Kg	1	6/27/2005
cis-1,2-Dichloroethene	ND	5.0	µg/Kg	1	6/27/2005
cis-1,3-Dichloropropene	ND	5.0	µg/Kg	1	6/27/2005

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT: SCS Engineers

Client Sample ID: B23-5

Lab Order: 077299

Project: LB Public Service Yard, 01204007.02

Collection Date: 6/20/2005

Lab ID: 077299-042

Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 8260B**

RunID: MS3_050627A	QC Batch: R05VS082	PrepDate:	Analyst: HH		
Dibromochloromethane	ND	5.0	µg/Kg	1	6/27/2005
Dibromomethane	ND	5.0	µg/Kg	1	6/27/2005
Dichlorodifluoromethane	ND	5.0	µg/Kg	1	6/27/2005
Ethylbenzene	ND	5.0	µg/Kg	1	6/27/2005
Hexachlorobutadiene	ND	5.0	µg/Kg	1	6/27/2005
Isopropylbenzene	ND	5.0	µg/Kg	1	6/27/2005
m,p-Xylene	ND	10	µg/Kg	1	6/27/2005
Methylene chloride	ND	5.0	µg/Kg	1	6/27/2005
n-Butylbenzene	ND	5.0	µg/Kg	1	6/27/2005
n-Propylbenzene	ND	5.0	µg/Kg	1	6/27/2005
Naphthalene	ND	5.0	µg/Kg	1	6/27/2005
o-Xylene	ND	5.0	µg/Kg	1	6/27/2005
sec-Butylbenzene	ND	5.0	µg/Kg	1	6/27/2005
Styrene	ND	5.0	µg/Kg	1	6/27/2005
tert-Butylbenzene	ND	5.0	µg/Kg	1	6/27/2005
Tetrachloroethene	ND	5.0	µg/Kg	1	6/27/2005
Toluene	ND	5.0	µg/Kg	1	6/27/2005
trans-1,2-Dichloroethene	ND	5.0	µg/Kg	1	6/27/2005
Trichloroethene	ND	5.0	µg/Kg	1	6/27/2005
Trichlorofluoromethane	ND	5.0	µg/Kg	1	6/27/2005
Vinyl chloride	ND	5.0	µg/Kg	1	6/27/2005

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

DO - Surrogate Diluted Out

H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT: SCS Engineers

Client Sample ID: B9-1

Lab Order: 077299

Project: LB Public Service Yard, 01204007.02

Collection Date: 6/20/2005

Lab ID: 077299-043

Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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ICP METALS

(EPA 3050B)

EPA 6010B

RunID: ICP6_050628A	QC Batch: 23346	PrepDate: 6/27/2005	Analyst: RQ		
Antimony	ND	2.0	mg/Kg	1	6/28/2005
Arsenic	6.5	1.0	mg/Kg	1	6/28/2005
Barium	210	1.0	mg/Kg	1	6/28/2005
Beryllium	ND	1.0	mg/Kg	1	6/28/2005
Cadmium	ND	1.0	mg/Kg	1	6/28/2005
Chromium	27	1.0	mg/Kg	1	6/28/2005
Cobalt	14	1.0	mg/Kg	1	6/28/2005
Copper	120	2.0	mg/Kg	1	6/28/2005
Lead	130	1.0	mg/Kg	1	6/28/2005
Molybdenum	ND	1.0	mg/Kg	1	6/28/2005
Nickel	22	1.0	mg/Kg	1	6/28/2005
Selenium	1.6	1.0	mg/Kg	1	6/28/2005
Silver	ND	1.0	mg/Kg	1	6/28/2005
Thallium	ND	1.0	mg/Kg	1	6/28/2005
Vanadium	48	1.0	mg/Kg	1	6/28/2005
Zinc	280	1.0	mg/Kg	1	6/28/2005

HYDROCARBON CHAIN IDENTIFICATION

(LUFT)

EPA 8015B(M)

RunID: GC7_BACK_050624B	QC Batch: 23319	PrepDate: 6/24/2005	Analyst: CBR		
T/R Hydrocarbons: C13-C22	ND	10	mg/Kg	1	6/24/2005

HYDROCARBON CHAIN IDENTIFICATION

(LUFT)

EPA 8015B

RunID: GC7_BACK_050624B	QC Batch: 23319	PrepDate: 6/24/2005	Analyst: CBR		
T/R Hydrocarbons: >C32	50	10	mg/Kg	1	6/24/2005
T/R Hydrocarbons: C23-C32	53	10	mg/Kg	1	6/24/2005

HYDROCARBON CHAIN IDENTIFICATION

EPA 8015B

RunID: GC2_050623B	QC Batch: E05VS164	PrepDate:	Analyst: TT		
T/R Hydrocarbons: C4-C12	ND	1.0	mg/Kg	1	6/24/2005

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT: SCS Engineers**Client Sample ID:** B9-1**Lab Order:** 077299**Project:** LB Public Service Yard, 01204007.02**Collection Date:** 6/20/2005**Lab ID:** 077299-043**Matrix:** SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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MERCURY BY COLD VAPOR TECHNIQUE**(EPA 7471)****EPA 7471A**

RunID: AA1_050628B

QC Batch: 23350

PrepDate: 6/27/2005 Analyst: JT

Mercury

0.19

0.10

mg/Kg

1

6/28/2005

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceeding holding time

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Results are wet unless otherwise specified





CLIENT: SCS Engineers
 Work Order: 077299
 Project: LB Public Service Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: MB-23346	SampType: MBLK	TestCode: 6010_S	Units: mg/Kg	Prep Date: 6/27/2005	Run ID: ICP6_050628A						
Client ID: ZZZZZ	Batch ID: 23346	TestNo: EPA 6010B (EPA 3050B)	Analysis Date: 6/28/2005	SeqNo: 757990							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Antimony	ND	2.0									
Arsenic	ND	1.0									
Barium	ND	1.0									
Beryllium	ND	1.0									
Cadmium	ND	1.0									
Chromium	ND	1.0									
Cobalt	ND	1.0									
Copper	ND	2.0									
Lead	ND	1.0									
Molybdenum	ND	1.0									
Nickel	ND	1.0									
Selenium	ND	1.0									
Silver	ND	1.0									
Thallium	ND	1.0									
Vanadium	ND	1.0									
Zinc	ND	1.0									

Sample ID: LCS-23346	SampType: LCS	TestCode: 6010_S	Units: mg/Kg	Prep Date: 6/27/2005	Run ID: ICP6_050628A						
Client ID: ZZZZZ	Batch ID: 23346	TestNo: EPA 6010B (EPA 3050B)	Analysis Date: 6/28/2005	SeqNo: 757991							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Antimony	47.11	2.0	50	0	94.2	80	120	0	0		
Arsenic	48.46	1.0	50	0	96.9	80	120	0	0		
Barium	49.71	1.0	50	0	99.4	80	120	0	0		
Beryllium	47.35	1.0	50	0	94.7	80	120	0	0		
Cadmium	47.6	1.0	50	0	95.2	80	120	0	0		
Chromium	49.41	1.0	50	0	98.8	80	120	0	0		
Cobalt	47.32	1.0	50	0	94.6	80	120	0	0		
Copper	54.35	2.0	50	0	109	80	120	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits
 B - Analyte detected in the associated Method Blank
 Calculations are based on raw values

DO- Surrogate dilute out
 H - Sample exceeded holding time



CLIENT: SCS Engineers
Work Order: 077299
Project: LB Public Service Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

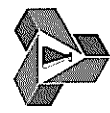
Sample ID: LCS-23346	SampType: LCS	TestCode: 6010_S	Units: mg/Kg	Prep Date: 6/27/2005	Run ID: ICP6_050628A						
Client ID: ZZZZZ	Batch ID: 23346	TestNo: EPA 6010B	(EPA 3050B)	Analysis Date: 6/28/2005	SeqNo: 757991						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	55.62	1.0	50	0	111	80	120	0	0		
Molybdenum	49.74	1.0	50	0	99.5	80	120	0	0		
Nickel	48.92	1.0	50	0	97.8	80	120	0	0		
Selenium	46.83	1.0	50	0	93.7	80	120	0	0		
Silver	46.78	1.0	50	0	93.6	80	120	0	0		
Thallium	47.42	1.0	50	0	94.8	80	120	0	0		
Vanadium	49.62	1.0	50	0	99.2	80	120	0	0		
Zinc	48.85	1.0	50	0	97.7	80	120	0	0		

Sample ID: 077368-002AMS	SampType: MS	TestCode: 6010_S	Units: mg/Kg	Prep Date: 6/27/2005	Run ID: ICP6_050628A						
Client ID: ZZZZZ	Batch ID: 23346	TestNo: EPA 6010B	(EPA 3050B)	Analysis Date: 6/28/2005	SeqNo: 757992						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	200	125	0	0	23	118	0	0		S
Arsenic	ND	100	125	0	0	64	111	0	0		S
Barium	113.7	100	125	4.468	87.4	36	146	0	0		
Beryllium	114.2	100	125	0	91.4	50	120	0	0		
Cadmium	109.1	100	125	0	87.3	62	107	0	0		
Chromium	157.5	100	125	50.8	85.3	63	119	0	0		
Cobalt	117.8	100	125	0	94.2	63	111	0	0		
Copper	ND	200	125	0	156	58	136	0	0		S
Lead	12370	100	125	14220	-1480	47	125	0	0		S
Molybdenum	ND	100	125	0	69.4	63	116	0	0		
Nickel	400.4	100	125	333.3	53.7	57	116	0	0		S
Selenium	ND	100	125	0	0	47	118	0	0		S
Silver	105.9	100	125	0	84.7	48	125	0	0		
Thallium	155.4	100	125	0	124	49	116	0	0		S
Vanadium	103.9	100	125	0	83.1	65	122	0	0		
Zinc	119.4	100	125	0	95.5	36	140	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values

DO- Surrogate dilute out
H - Sample exceeded holding time



CLIENT: SCS Engineers
Work Order: 077299
Project: LB Public Service Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: 077368-002AMSD	SampType: MSD	TestCode: 6010_S	Units: mg/Kg	Prep Date: 6/27/2005	Run ID: ICP6_050628A						
Client ID: ZZZZZ	Batch ID: 23346	TestNo: EPA 6010B	(EPA 3050B)	Analysis Date: 6/28/2005	SeqNo: 757993						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	200	125	0	0	23	118	0	0	20	S
Arsenic	ND	100	125	0	72.2	64	111	0	0	20	
Barium	120.2	100	125	4.468	92.6	36	146	113.7	5.57	20	
Beryllium	115.1	100	125	0	92.1	50	120	114.2	0.797	20	
Cadmium	116.7	100	125	0	93.4	62	107	109.1	6.72	20	S
Chromium	161.6	100	125	50.8	88.6	63	119	157.5	2.58	20	
Cobalt	122.6	100	125	0	98.1	63	111	117.8	4.02	20	
Copper	ND	200	125	0	148	58	136	194.4	0	20	
Lead	12680	100	125	14220	-1230	47	125	12370	2.47	20	S
Molybdenum	ND	100	125	0	73.8	63	116	86.72	0	20	
Nickel	393.8	100	125	333.3	48.4	57	116	400.4	1.67	20	
Selenium	ND	100	125	0	0	47	118	0	0	20	
Silver	107.8	100	125	0	86.3	48	125	105.9	1.82	20	S
Thallium	141.4	100	125	0	113	49	116	155.4	9.44	20	
Vanadium	107.1	100	125	0	85.7	65	122	103.9	3.11	20	
Zinc	125.3	100	125	0	100	36	140	119.4	4.79	20	

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits DO- Surrogate dilute out
J - Analyte detected below quantitation limits B - Analyte detected in the associated Method Blank H - Sample exceeded holding time
R - RPD outside accepted recovery limits Calculations are based on raw values



CLIENT: SCS Engineers
Work Order: 077299
Project: LB Public Service Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

TestCode: 7471_S

Sample ID: MB-23350	SampType: MBLK	TestCode: 7471_S	Units: mg/Kg	Prep Date: 6/27/2005	Run ID: AA1_050628B						
Client ID: ZZZZZ	Batch ID: 23350	TestNo: EPA 7471A (EPA 7471)		Analysis Date: 6/28/2005	SeqNo: 758157						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.10									

Sample ID: LCS-23350	SampType: LCS	TestCode: 7471_S	Units: mg/Kg	Prep Date: 6/27/2005	Run ID: AA1_050628B						
Client ID: ZZZZZ	Batch ID: 23350	TestNo: EPA 7471A (EPA 7471)		Analysis Date: 6/28/2005	SeqNo: 758156						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	2.252	0.10	2.08	0	108	80	120	0	0		

Sample ID: 077368-002AMS	SampType: MS	TestCode: 7471_S	Units: mg/Kg	Prep Date: 6/27/2005	Run ID: AA1_050628B						
Client ID: ZZZZZ	Batch ID: 23350	TestNo: EPA 7471A	(EPA 7471)	Analysis Date: 6/28/2005	SeqNo: 758154						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.9477	0.10	0.83	0.03864	110	62	146	0	0		

Sample ID: 077368-002AMSD	SampType: MSD	TestCode: 7471_S	Units: mg/Kg	Prep Date: 6/27/2005	Run ID: AA1_050628B						
Client ID: ZZZZZ	Batch ID: 23350	TestNo: EPA 7471A	(EPA 7471)	Analysis Date: 6/28/2005	SeqNo: 758155						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.9947	0.10	0.83	0.03864	115	62	146	0.9477	4.84	30	

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values

DO- Surrogate dilute out
H - Sample exceeded holding time



CLIENT: SCS Engineers
Work Order: 077299
Project: LB Public Service Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_S

Sample ID: MB-23335	SampType: MBLK	TestCode: 8081_S	Units: µg/Kg	Prep Date: 6/27/2005	Run ID: GC5_050627A						
Client ID: ZZZZZ	Batch ID: 23335	TestNo: EPA 8081A	(EPA 3550B)	Analysis Date: 6/27/2005	SeqNo: 758127						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDD	ND	2.0									
4,4'-DDE	ND	2.0									
4,4'-DDT	ND	2.0									
Aldrin	ND	1.0									
alpha-BHC	ND	1.0									
alpha-Chlordane	ND	1.0									
beta-BHC	ND	1.0									
Chlordane	ND	8.5									
delta-BHC	ND	1.0									
Dieldrin	ND	2.0									
Endosulfan I	ND	1.0									
Endosulfan II	ND	2.0									
Endosulfan sulfate	ND	2.0									
Endrin	ND	2.0									
Endrin aldehyde	ND	2.0									
Endrin ketone	ND	2.0									
gamma-BHC	ND	1.0									
gamma-Chlordane	ND	1.0									
Heptachlor	ND	1.0									
Heptachlor epoxide	ND	1.0									
Methoxychlor	ND	8.5									
Toxaphene	ND	85									
Surr: Tetrachloro-m-xylene	13.06	0	16.65	0	78.5	59	116	0	0		
Surr: Decachlorobiphenyl	17.52	0	16.65	0	105	58	134	0	0		

Sample ID: LCS-23335	SampType: LCS	TestCode: 8081_S	Units: µg/Kg	Prep Date: 6/27/2005	Run ID: GC5_050627A						
Client ID: ZZZZZ	Batch ID: 23335	TestNo: EPA 8081A	(EPA 3550B)	Analysis Date: 6/27/2005	SeqNo: 758128						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDT	16.34	2.0	16.65	0	98.1	66	136	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits DO- Surrogate dilute out
J - Analyte detected below quantitation limits B - Analyte detected in the associated Method Blank H - Sample exceeded holding time
R - RPD outside accepted recovery limits Calculations are based on raw values

CLIENT: SCS Engineers
Work Order: 077299
Project: LB Public Service Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_S

Sample ID: LCS-23335		SampType: LCS		TestCode: 8081_S		Units: µg/Kg		Prep Date: 6/27/2005		Run ID: GC5_050627A	
Client ID: ZZZZZ		Batch ID: 23335		TestNo: EPA 8081A		(EPA 3550B)		Analysis Date: 6/27/2005		SeqNo: 758128	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aldrin	16.45	1.0	16.65	0	98.8	85	134	0	0		
Dieldrin	15.97	2.0	16.65	0	95.9	82	128	0	0		
Endrin	17.74	2.0	16.65	0	107	77	139	0	0		
gamma-BHC	17.32	1.0	16.65	0	104	82	139	0	0		
Heptachlor	16.1	1.0	16.65	0	96.7	68	152	0	0		
Surr: Tetrachloro-m-xylene	14.14	0	16.65	0	84.9	59	116	0	0		
Surr: Decachlorobiphenyl	17.85	0	16.65	0	107	58	134	0	0		

Sample ID: 077299-010AMS		SampType: MS		TestCode: 8081_S		Units: µg/Kg		Prep Date: 6/27/2005		Run ID: GC5_050627A	
Client ID: B15-1'		Batch ID: 23335		TestNo: EPA 8081A		(EPA 3550B)		Analysis Date: 6/27/2005		SeqNo: 758129	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDT	15.09	2.0	16.65	0	90.6	48	150	0	0		
Aldrin	15.82	1.0	16.65	0	95	78	136	0	0		
Dieldrin	14.41	2.0	16.65	0	86.6	72	136	0	0		
Endrin	16.76	2.0	16.65	0	101	74	150	0	0		
gamma-BHC	16.07	1.0	16.65	0	96.5	76	138	0	0		
Heptachlor	16.49	1.0	16.65	0	99.1	71	149	0	0		
Surr: Tetrachloro-m-xylene	14.69	0	16.65	0	88.2	59	116	0	0		
Surr: Decachlorobiphenyl	11.81	0	16.65	0	70.9	58	134	0	0		

Sample ID: 077299-010AMSD		SampType: MSD		TestCode: 8081_S		Units: µg/Kg		Prep Date: 6/27/2005		Run ID: GC5_050627A	
Client ID: B15-1'		Batch ID: 23335		TestNo: EPA 8081A		(EPA 3550B)		Analysis Date: 6/27/2005		SeqNo: 758130	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDT	13.5	2.0	16.65	0	81.1	48	150	15.09	11.1	30	
Aldrin	13.96	1.0	16.65	0	83.9	78	136	15.82	12.4	30	
Dieldrin	12.31	2.0	16.65	0	73.9	72	136	14.41	15.8	30	
Endrin	15.66	2.0	16.65	0	94.1	74	150	16.76	6.78	30	
gamma-BHC	14.46	1.0	16.65	0	86.9	76	138	16.07	10.5	30	

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits DO- Surrogate dilute out
J - Analyte detected below quantitation limits B - Analyte detected in the associated Method Blank H - Sample exceeded holding time
R - RPD outside accepted recovery limits Calculations are based on raw values



CLIENT: SCS Engineers
Work Order: 077299
Project: LB Public Service Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_S

Sample ID: 077299-010AMSD	SampType: MSD	TestCode: 8081_S	Units: µg/Kg	Prep Date: 6/27/2005	Run ID: GC5_050627A						
Client ID: B15-1'	Batch ID: 23335	TestNo: EPA 8081A	(EPA 3550B)	Analysis Date: 6/27/2005	SeqNo: 758130						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Heptachlor	14.99	1.0	16.65	0	90	71	149	16.49	9.56	30	
Surr: Tetrachloro-m-xylene	13.53	0	16.65	0	81.3	59	116	0	0	0	
Surr: Decachlorobiphenyl	10.85	0	16.65	0	65.1	58	134	0	0	0	

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values

DO- Surrogate dilute out
H - Sample exceeded holding time



CLIENT: SCS Engineers
Work Order: 077299
Project: LB Public Service Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: P050624MB2	SampType: MBLK	TestCode: 8260_S	Units: µg/Kg	Prep Date:	Run ID: MS1_050624A						
Client ID: ZZZZZ	Batch ID: P05VS095	TestNo: EPA 8260B		Analysis Date: 6/24/2005	SeqNo: 756666						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0									
1,1,1-Trichloroethane	ND	5.0									
1,1,2,2-Tetrachloroethane	ND	5.0									
1,1,2-Trichloroethane	ND	5.0									
1,1-Dichloroethane	ND	5.0									
1,1-Dichloroethene	ND	5.0									
1,1-Dichloropropene	ND	5.0									
1,2,3-Trichlorobenzene	ND	5.0									
1,2,3-Trichloropropane	ND	5.0									
1,2,4-Trichlorobenzene	ND	5.0									
1,2,4-Trimethylbenzene	ND	5.0									
1,2-Dibromo-3-chloropropane	ND	10									
1,2-Dibromoethane	ND	5.0									
1,2-Dichlorobenzene	ND	5.0									
1,2-Dichloroethane	ND	5.0									
1,2-Dichloropropane	ND	5.0									
1,3,5-Trimethylbenzene	ND	5.0									
1,3-Dichlorobenzene	ND	5.0									
1,3-Dichloropropane	ND	5.0									
1,4-Dichlorobenzene	ND	5.0									
2,2-Dichloropropane	ND	5.0									
2-Chlorotoluene	ND	5.0									
4-Chlorotoluene	ND	5.0									
4-Isopropyltoluene	ND	5.0									
Benzene	ND	5.0									
Bromobenzene	ND	5.0									
Bromodichloromethane	ND	5.0									
Bromoform	ND	5.0									
Bromomethane	ND	5.0									
Carbon tetrachloride	ND	5.0									

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values

DO- Surrogate dilute out
H - Sample exceeded holding time



CLIENT: SCS Engineers
Work Order: 077299
Project: LB Public Service Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: P050624MB2	SampType: MBLK	TestCode: 8260_S	Units: µg/Kg	Prep Date:	Run ID: MS1_050624A						
Client ID: ZZZZZ	Batch ID: P05VS095	TestNo: EPA 8260B	Analysis Date: 6/24/2005	SeqNo: 756666							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorobenzene	ND	5.0									
Chloroethane	ND	5.0									
Chloroform	ND	5.0									
Chloromethane	ND	5.0									
cis-1,2-Dichloroethene	ND	5.0									
cis-1,3-Dichloropropene	ND	5.0									
Dibromochloromethane	ND	5.0									
Dibromomethane	ND	5.0									
Dichlorodifluoromethane	ND	5.0									
Ethylbenzene	ND	5.0									
Hexachlorobutadiene	ND	5.0									
Isopropylbenzene	ND	5.0									
m,p-Xylene	ND	10									
Methylene chloride	ND	5.0									
n-Butylbenzene	ND	5.0									
n-Propylbenzene	ND	5.0									
Naphthalene	ND	5.0									
o-Xylene	ND	5.0									
sec-Butylbenzene	ND	5.0									
Styrene	ND	5.0									
tert-Butylbenzene	ND	5.0									
Tetrachloroethene	ND	5.0									
Toluene	ND	5.0									
trans-1,2-Dichloroethene	ND	5.0									
Trichloroethene	ND	5.0									
Trichlorofluoromethane	ND	5.0									
Vinyl chloride	ND	5.0									
Surr: 1,2-Dichloroethane-d4	48.58	5.0	50	0	97.2	66	149	0	0		
Surr: 4-Bromofluorobenzene	45.24	5.0	50	0	90.5	83	125	0	0		
Surr: Dibromofluoromethane	55.1	5.0	50	0	110	75	139	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values

DO- Surrogate dilute out
H - Sample exceeded holding time



CLIENT: SCS Engineers
Work Order: 077299
Project: LB Public Service Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: P050624MB2	SampType: MBLK	TestCode: 8260_S	Units: µg/Kg	Prep Date:	Run ID: MS1_050624A						
Client ID: ZZZZZ	Batch ID: P05VS095	TestNo: EPA 8260B		Analysis Date: 6/24/2005	SeqNo: 756666						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Toluene-d8	51.85	5.0	50	0	104	87	133	0	0		

Sample ID: P050627MB2	SampType: MBLK	TestCode: 8260_S	Units: µg/Kg	Prep Date:	Run ID: MS1_050627A						
Client ID: ZZZZZ	Batch ID: P05VS096	TestNo: EPA 8260B		Analysis Date: 6/27/2005	SeqNo: 757460						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0									
1,1,1-Trichloroethane	ND	5.0									
1,1,2,2-Tetrachloroethane	ND	5.0									
1,1,2-Trichloroethane	ND	5.0									
1,1-Dichloroethane	ND	5.0									
1,1-Dichloroethene	ND	5.0									
1,1-Dichloropropene	ND	5.0									
1,2,3-Trichlorobenzene	ND	5.0									
1,2,3-Trichloropropane	ND	5.0									
1,2,4-Trichlorobenzene	ND	5.0									
1,2,4-Trimethylbenzene	ND	5.0									
1,2-Dibromo-3-chloropropane	ND	10									
1,2-Dibromoethane	ND	5.0									
1,2-Dichlorobenzene	ND	5.0									
1,2-Dichloroethane	ND	5.0									
1,2-Dichloropropane	ND	5.0									
1,3,5-Trimethylbenzene	ND	5.0									
1,3-Dichlorobenzene	ND	5.0									
1,3-Dichloropropane	ND	5.0									
1,4-Dichlorobenzene	ND	5.0									
2,2-Dichloropropane	ND	5.0									
2-Chlorotoluene	ND	5.0									
4-Chlorotoluene	ND	5.0									
4-Isopropyltoluene	ND	5.0									

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits DO- Surrogate dilute out
J - Analyte detected below quantitation limits B - Analyte detected in the associated Method Blank H - Sample exceeded holding time
R - RPD outside accepted recovery limits Calculations are based on raw values



CLIENT: SCS Engineers
Work Order: 077299
Project: LB Public Service Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: P050627MB2	SampType: MBLK	TestCode: 8260_S	Units: µg/Kg	Prep Date:	Run ID: MS1_050627A						
Client ID: ZZZZZ	Batch ID: P05VS096	TestNo: EPA 8260B		Analysis Date: 6/27/2005	SeqNo: 757460						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	5.0									
Bromobenzene	ND	5.0									
Bromodichloromethane	ND	5.0									
Bromoform	ND	5.0									
Bromomethane	ND	5.0									
Carbon tetrachloride	ND	5.0									
Chlorobenzene	ND	5.0									
Chloroethane	ND	5.0									
Chloroform	ND	5.0									
Chloromethane	ND	5.0									
cis-1,2-Dichloroethene	ND	5.0									
cis-1,3-Dichloropropene	ND	5.0									
Dibromochloromethane	ND	5.0									
Dibromomethane	ND	5.0									
Dichlorodifluoromethane	ND	5.0									
Ethylbenzene	ND	5.0									
Hexachlorobutadiene	ND	5.0									
Isopropylbenzene	ND	5.0									
m,p-Xylene	ND	10									
Methylene chloride	ND	5.0									
n-Butylbenzene	ND	5.0									
n-Propylbenzene	ND	5.0									
Naphthalene	ND	5.0									
o-Xylene	ND	5.0									
sec-Butylbenzene	ND	5.0									
Styrene	ND	5.0									
tert-Butylbenzene	ND	5.0									
Tetrachloroethene	ND	5.0									
Toluene	ND	5.0									
trans-1,2-Dichloroethene	ND	5.0									

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values

DO- Surrogate dilute out
H - Sample exceeded holding time

CLIENT: SCS Engineers
Work Order: 077299
Project: LB Public Service Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

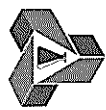
Sample ID: P050627MB2	SampType: MBLK	TestCode: 8260_S	Units: µg/Kg	Prep Date:	Run ID: MS1_050627A						
Client ID: ZZZZZ	Batch ID: P05VS096	TestNo: EPA 8260B		Analysis Date: 6/27/2005	SeqNo: 757460						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Trichloroethene	ND	5.0									
Trichlorofluoromethane	ND	5.0									
Vinyl chloride	ND	5.0									
Surr: 1,2-Dichloroethane-d4	40.95	5.0	50	0	81.9	66	149	0	0		
Surr: 4-Bromofluorobenzene	45.56	5.0	50	0	91.1	83	125	0	0		
Surr: Dibromofluoromethane	49.36	5.0	50	0	98.7	75	139	0	0		
Surr: Toluene-d8	49.6	5.0	50	0	99.2	87	133	0	0		

Sample ID: R050627MB2	SampType: MBLK	TestCode: 8260_S	Units: µg/Kg	Prep Date:	Run ID: MS3_050627A						
Client ID: ZZZZZ	Batch ID: R05VS082	TestNo: EPA 8260B		Analysis Date: 6/27/2005	SeqNo: 757483						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,1,1,2-Tetrachloroethane	ND	5.0									
1,1,1-Trichloroethane	ND	5.0									
1,1,2,2-Tetrachloroethane	ND	5.0									
1,1,2-Trichloroethane	ND	5.0									
1,1-Dichloroethane	ND	5.0									
1,1-Dichloroethene	ND	5.0									
1,1-Dichloropropene	ND	5.0									
1,2,3-Trichlorobenzene	ND	5.0									
1,2,3-Trichloropropane	ND	5.0									
1,2,4-Trichlorobenzene	ND	5.0									
1,2,4-Trimethylbenzene	ND	5.0									
1,2-Dibromo-3-chloropropane	ND	10									
1,2-Dibromoethane	ND	5.0									
1,2-Dichlorobenzene	ND	5.0									
1,2-Dichloroethane	ND	5.0									
1,2-Dichloropropane	ND	5.0									
1,3,5-Trimethylbenzene	ND	5.0									
1,3-Dichlorobenzene	ND	5.0									

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits DO- Surrogate dilute out
J - Analyte detected below quantitation limits B - Analyte detected in the associated Method Blank H - Sample exceeded holding time
R - RPD outside accepted recovery limits Calculations are based on raw values



CLIENT: SCS Engineers
Work Order: 077299
Project: LB Public Service Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: R050627MB2	SampType: MBLK	TestCode: 8260_S	Units: µg/Kg	Prep Date:	Run ID: MS3_050627A						
Client ID: ZZZZZ	Batch ID: R05VS082	TestNo: EPA 8260B		Analysis Date: 6/27/2005	SeqNo: 757483						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3-Dichloropropane	ND	5.0									
1,4-Dichlorobenzene	ND	5.0									
2,2-Dichloropropane	ND	5.0									
2-Chlorotoluene	ND	5.0									
4-Chlorotoluene	ND	5.0									
4-Isopropyltoluene	ND	5.0									
Benzene	ND	5.0									
Bromobenzene	ND	5.0									
Bromodichloromethane	ND	5.0									
Bromoform	ND	5.0									
Bromomethane	ND	5.0									
Carbon tetrachloride	ND	5.0									
Chlorobenzene	ND	5.0									
Chloroethane	ND	5.0									
Chloroform	ND	5.0									
Chloromethane	ND	5.0									
cis-1,2-Dichloroethene	ND	5.0									
cis-1,3-Dichloropropene	ND	5.0									
Dibromochloromethane	ND	5.0									
Dibromomethane	ND	5.0									
Dichlorodifluoromethane	ND	5.0									
Ethylbenzene	ND	5.0									
Hexachlorobutadiene	ND	5.0									
Isopropylbenzene	ND	5.0									
m,p-Xylene	ND	10									
Methylene chloride	ND	5.0									
n-Butylbenzene	ND	5.0									
n-Propylbenzene	ND	5.0									
Naphthalene	ND	5.0									
o-Xylene	ND	5.0									

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits DO- Surrogate dilute out
J - Analyte detected below quantitation limits B - Analyte detected in the associated Method Blank H - Sample exceeded holding time
R - RPD outside accepted recovery limits Calculations are based on raw values



CLIENT: SCS Engineers
Work Order: 077299
Project: LB Public Service Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: R050627MB2	SampType: MBLK	TestCode: 8260_S	Units: µg/Kg	Prep Date:	Run ID: MS3_050627A						
Client ID: ZZZZZ	Batch ID: R05VS082	TestNo: EPA 8260B		Analysis Date: 6/27/2005	SeqNo: 757483						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
sec-Butylbenzene	ND	5.0									
Styrene	ND	5.0									
tert-Butylbenzene	ND	5.0									
Tetrachloroethene	ND	5.0									
Toluene	ND	5.0									
trans-1,2-Dichloroethene	ND	5.0									
Trichloroethene	ND	5.0									
Trichlorofluoromethane	ND	5.0									
Vinyl chloride	ND	5.0									
Surr: 1,2-Dichloroethane-d4	42.1	5.0	50	0	84.2	66	149	0	0		
Surr: 4-Bromofluorobenzene	44.76	5.0	50	0	89.5	83	125	0	0		
Surr: Dibromofluoromethane	44.94	5.0	50	0	89.9	75	139	0	0		
Surr: Toluene-d8	46.73	5.0	50	0	93.5	87	133	0	0		

Sample ID: P050624LC1	SampType: LCS	TestCode: 8260_S	Units: µg/Kg	Prep Date:	Run ID: MS1_050624A						
Client ID: ZZZZZ	Batch ID: P05VS095	TestNo: EPA 8260B		Analysis Date: 6/24/2005	SeqNo: 756663						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	112.4	5.0	100	0	112	70	119	0	0		
Benzene	101.5	5.0	100	0	102	80	121	0	0		
Chlorobenzene	110.4	5.0	100	0	110	88	129	0	0		
Toluene	100.8	5.0	100	0	101	84	126	0	0		
Trichloroethene	103.1	5.0	100	0	103	83	129	0	0		
Surr: 1,2-Dichloroethane-d4	42.18	5.0	50	0	84.4	66	149	0	0		
Surr: 4-Bromofluorobenzene	47.3	5.0	50	0	94.6	83	125	0	0		
Surr: Dibromofluoromethane	49.93	5.0	50	0	99.9	75	139	0	0		
Surr: Toluene-d8	51.76	5.0	50	0	104	87	133	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits DO- Surrogate dilute out
J - Analyte detected below quantitation limits B - Analyte detected in the associated Method Blank H - Sample exceeded holding time
R - RPD outside accepted recovery limits Calculations are based on raw values



CLIENT: SCS Engineers
Work Order: 077299
Project: LB Public Service Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: P050627LC1	SampType: LCS	TestCode: 8260_S	Units: µg/Kg	Prep Date:	Run ID: MS1_050627A						
Client ID: ZZZZZ	Batch ID: P05VS096	TestNo: EPA 8260B		Analysis Date: 6/27/2005	SeqNo: 757457						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	107.8	5.0	100	0	108	70	119	0	0		
Benzene	103.6	5.0	100	0	104	80	121	0	0		
Chlorobenzene	118	5.0	100	0	118	88	129	0	0		
Toluene	105.5	5.0	100	0	106	84	126	0	0		
Trichloroethene	107.2	5.0	100	0	107	83	129	0	0		
Surr: 1,2-Dichloroethane-d4	39.72	5.0	50	0	79.4	66	149	0	0		
Surr: 4-Bromofluorobenzene	47.85	5.0	50	0	95.7	83	125	0	0		
Surr: Dibromofluoromethane	47.42	5.0	50	0	94.8	75	139	0	0		
Surr: Toluene-d8	50.92	5.0	50	0	102	87	133	0	0		

Sample ID: R050627LC2	SampType: LCS	TestCode: 8260_S	Units: µg/Kg	Prep Date:	Run ID: MS3_050627A						
Client ID: ZZZZZ	Batch ID: R05VS082	TestNo: EPA 8260B		Analysis Date: 6/27/2005	SeqNo: 757480						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	103.6	5.0	100	0	104	70	119	0	0		
Benzene	102.7	5.0	100	0	103	80	121	0	0		
Chlorobenzene	109.1	5.0	100	0	109	88	129	0	0		
Toluene	105.7	5.0	100	0	106	84	126	0	0		
Trichloroethene	108.3	5.0	100	0	108	83	129	0	0		
Surr: 1,2-Dichloroethane-d4	39.42	5.0	50	0	78.8	66	149	0	0		
Surr: 4-Bromofluorobenzene	49.81	5.0	50	0	99.6	83	125	0	0		
Surr: Dibromofluoromethane	43.76	5.0	50	0	87.5	75	139	0	0		
Surr: Toluene-d8	48.58	5.0	50	0	97.2	87	133	0	0		

Sample ID: P050624MB2MS	SampType: MS	TestCode: 8260_S	Units: µg/Kg	Prep Date:	Run ID: MS1_050624A						
Client ID: ZZZZZ	Batch ID: P05VS095	TestNo: EPA 8260B		Analysis Date: 6/24/2005	SeqNo: 756664						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	114.8	5.0	100	0	115	52	135	0	0		
Benzene	106.8	5.0	100	0	107	52	143	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits DO- Surrogate dilute out
J - Analyte detected below quantitation limits B - Analyte detected in the associated Method Blank H - Sample exceeded holding time
R - RPD outside accepted recovery limits Calculations are based on raw values



CLIENT: SCS Engineers
Work Order: 077299
Project: LB Public Service Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: P050624MB2MS	SampType: MS	TestCode: 8260_S	Units: µg/Kg	Prep Date:	Run ID: MS1_050624A						
Client ID: ZZZZZ	Batch ID: P05VS095	TestNo: EPA 8260B		Analysis Date: 6/24/2005	SeqNo: 756664						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorobenzene	119.8	5.0	100	0	120	48	154	0	0		
Toluene	107.3	5.0	100	0	107	54	146	0	0		
Trichloroethene	107.9	5.0	100	0	108	44	169	0	0		
Surr: 1,2-Dichloroethane-d4	43.21	5.0	50	0	86.4	66	149	0	0		
Surr: 4-Bromofluorobenzene	47.69	5.0	50	0	95.4	83	125	0	0		
Surr: Dibromofluoromethane	50.3	5.0	50	0	101	75	139	0	0		
Surr: Toluene-d8	51.25	5.0	50	0	103	87	133	0	0		

Sample ID: P050627MB2MS	SampType: MS	TestCode: 8260_S	Units: µg/Kg	Prep Date:	Run ID: MS1_050627A						
Client ID: ZZZZZ	Batch ID: P05VS096	TestNo: EPA 8260B		Analysis Date: 6/27/2005	SeqNo: 757458						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	110.7	5.0	100	0	111	52	135	0	0		
Benzene	104.4	5.0	100	0	104	52	143	0	0		
Chlorobenzene	120.2	5.0	100	0	120	48	154	0	0		
Toluene	103	5.0	100	0	103	54	146	0	0		
Trichloroethene	105.8	5.0	100	0	106	44	169	0	0		
Surr: 1,2-Dichloroethane-d4	39.37	5.0	50	0	78.7	66	149	0	0		
Surr: 4-Bromofluorobenzene	46.74	5.0	50	0	93.5	83	125	0	0		
Surr: Dibromofluoromethane	48.16	5.0	50	0	96.3	75	139	0	0		
Surr: Toluene-d8	49.83	5.0	50	0	99.7	87	133	0	0		

Sample ID: R050627MB2MS	SampType: MS	TestCode: 8260_S	Units: µg/Kg	Prep Date:	Run ID: MS3_050627A						
Client ID: ZZZZZ	Batch ID: R05VS082	TestNo: EPA 8260B		Analysis Date: 6/27/2005	SeqNo: 757481						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	101.5	5.0	100	0	102	52	135	0	0		
Benzene	105.2	5.0	100	0	105	52	143	0	0		
Chlorobenzene	108.9	5.0	100	0	109	48	154	0	0		
Toluene	106.8	5.0	100	0	107	54	146	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits DO- Surrogate dilute out
J - Analyte detected below quantitation limits B - Analyte detected in the associated Method Blank H - Sample exceeded holding time
R - RPD outside accepted recovery limits Calculations are based on raw values



CLIENT: SCS Engineers
Work Order: 077299
Project: LB Public Service Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: R050627MB2MS	SampType: MS	TestCode: 8260_S	Units: µg/Kg	Prep Date:	Run ID: MS3_050627A						
Client ID: ZZZZZ	Batch ID: R05VS082	TestNo: EPA 8260B		Analysis Date: 6/27/2005	SeqNo: 757481						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Trichloroethene	108.4	5.0	100	0	108	44	169	0	0		
Surr: 1,2-Dichloroethane-d4	40.33	5.0	50	0	80.7	66	149	0	0		
Surr: 4-Bromofluorobenzene	49.18	5.0	50	0	98.4	83	125	0	0		
Surr: Dibromofluoromethane	43.43	5.0	50	0	86.9	75	139	0	0		
Surr: Toluene-d8	48.52	5.0	50	0	97	87	133	0	0		

Sample ID: P050624MB2MSD	SampType: MSD	TestCode: 8260_S	Units: µg/Kg	Prep Date:	Run ID: MS1_050624A						
Client ID: ZZZZZ	Batch ID: P05VS095	TestNo: EPA 8260B		Analysis Date: 6/24/2005	SeqNo: 756665						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	114.6	5.0	100	0	115	52	135	114.8	0.105	30	
Benzene	107.7	5.0	100	0	108	52	143	106.8	0.839	30	
Chlorobenzene	118.9	5.0	100	0	119	48	154	119.8	0.704	30	
Toluene	107.6	5.0	100	0	108	54	146	107.3	0.289	30	
Trichloroethene	108.7	5.0	100	0	109	44	169	107.9	0.711	30	
Surr: 1,2-Dichloroethane-d4	43.07	5.0	50	0	86.1	66	149	0	0	30	
Surr: 4-Bromofluorobenzene	48.57	5.0	50	0	97.1	83	125	0	0	30	
Surr: Dibromofluoromethane	50.16	5.0	50	0	100	75	139	0	0	30	
Surr: Toluene-d8	52.45	5.0	50	0	105	87	133	0	0	30	

Sample ID: P050627MB2MSD	SampType: MSD	TestCode: 8260_S	Units: µg/Kg	Prep Date:	Run ID: MS1_050627A						
Client ID: ZZZZZ	Batch ID: P05VS096	TestNo: EPA 8260B		Analysis Date: 6/27/2005	SeqNo: 757459						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	108.7	5.0	100	0	109	52	135	110.7	1.81	30	
Benzene	105.4	5.0	100	0	105	52	143	104.4	0.982	30	
Chlorobenzene	120.2	5.0	100	0	120	48	154	120.2	0.00832	30	
Toluene	107.3	5.0	100	0	107	54	146	103	4.11	30	
Trichloroethene	106.7	5.0	100	0	107	44	169	105.8	0.857	30	
Surr: 1,2-Dichloroethane-d4	39.13	5.0	50	0	78.3	66	149	0	0	30	

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits DO- Surrogate dilute out
J - Analyte detected below quantitation limits B - Analyte detected in the associated Method Blank H - Sample exceeded holding time
R - RPD outside accepted recovery limits Calculations are based on raw values

CLIENT: SCS Engineers
Work Order: 077299
Project: LB Public Service Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: P050627MB2MSD		SampType: MSD		TestCode: 8260_S		Units: µg/Kg		Prep Date:		Run ID: MS1_050627A	
Client ID: ZZZZZ		Batch ID: P05VS096		TestNo: EPA 8260B		Analysis Date: 6/27/2005		SeqNo: 757459			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	47.57	5.0	50	0	95.1	83	125	0	0	30	
Surr: Dibromofluoromethane	47.05	5.0	50	0	94.1	75	139	0	0	30	
Surr: Toluene-d8	51.23	5.0	50	0	102	87	133	0	0	30	

Sample ID: R050627MB2MSD		SampType: MSD		TestCode: 8260_S		Units: µg/Kg		Prep Date:		Run ID: MS3_050627A	
Client ID: ZZZZZ		Batch ID: R05VS082		TestNo: EPA 8260B		Analysis Date: 6/27/2005		SeqNo: 757482			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	103.5	5.0	100	0	104	52	135	101.5	1.96	30	
Benzene	105.2	5.0	100	0	105	52	143	105.2	0.0570	30	
Chlorobenzene	107.2	5.0	100	0	107	48	154	108.9	1.58	30	
Toluene	106.4	5.0	100	0	106	54	146	106.8	0.319	30	
Trichloroethene	108.9	5.0	100	0	109	44	169	108.4	0.469	30	
Surr: 1,2-Dichloroethane-d4	40.45	5.0	50	0	80.9	66	149	0	0	30	
Surr: 4-Bromofluorobenzene	48.13	5.0	50	0	96.3	83	125	0	0	30	
Surr: Dibromofluoromethane	43.84	5.0	50	0	87.7	75	139	0	0	30	
Surr: Toluene-d8	48.07	5.0	50	0	96.1	87	133	0	0	30	

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits DO- Surrogate dilute out
J - Analyte detected below quantitation limits B - Analyte detected in the associated Method Blank H - Sample exceeded holding time
R - RPD outside accepted recovery limits Calculations are based on raw values



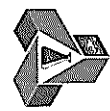
CLIENT: SCS Engineers
Work Order: 077299
Project: LB Public Service Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S_5035

Sample ID: P050624MB2	SampType: MBLK	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:	Run ID: MS1_050624A						
Client ID: ZZZZZ	Batch ID: P05VS095	TestNo: EPA 8260B		Analysis Date: 6/24/2005	SeqNo: 757452						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0									
1,1,1-Trichloroethane	ND	5.0									
1,1,2,2-Tetrachloroethane	ND	5.0									
1,1,2-Trichloroethane	ND	5.0									
1,1-Dichloroethane	ND	5.0									
1,1-Dichloroethene	ND	5.0									
1,1-Dichloropropene	ND	5.0									
1,2,3-Trichlorobenzene	ND	5.0									
1,2,3-Trichloropropane	ND	5.0									
1,2,4-Trichlorobenzene	ND	5.0									
1,2,4-Trimethylbenzene	ND	5.0									
1,2-Dibromo-3-chloropropane	ND	10									
1,2-Dibromoethane	ND	5.0									
1,2-Dichlorobenzene	ND	5.0									
1,2-Dichloroethane	ND	5.0									
1,2-Dichloropropane	ND	5.0									
1,3,5-Trimethylbenzene	ND	5.0									
1,3-Dichlorobenzene	ND	5.0									
1,3-Dichloropropane	ND	5.0									
1,4-Dichlorobenzene	ND	5.0									
2,2-Dichloropropane	ND	5.0									
2-Chlorotoluene	ND	5.0									
4-Chlorotoluene	ND	5.0									
4-Isopropyltoluene	ND	5.0									
Benzene	ND	5.0									
Bromobenzene	ND	5.0									
Bromodichloromethane	ND	5.0									
Bromoform	ND	5.0									
Bromomethane	ND	5.0									
Carbon tetrachloride	ND	5.0									

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits DO- Surrogate dilute out
J - Analyte detected below quantitation limits B - Analyte detected in the associated Method Blank H - Sample exceeded holding time
R - RPD outside accepted recovery limits Calculations are based on raw values



CLIENT: SCS Engineers
Work Order: 077299
Project: LB Public Service Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

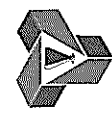
TestCode: 8260_S_5035

Sample ID: P050624MB2	SampType: MBLK	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:	Run ID: MS1_050624A						
Client ID: ZZZZZ	Batch ID: P05VS095	TestNo: EPA 8260B		Analysis Date: 6/24/2005	SeqNo: 757452						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorobenzene	ND	5.0									
Chloroethane	ND	5.0									
Chloroform	ND	5.0									
Chloromethane	ND	5.0									
cis-1,2-Dichloroethene	ND	5.0									
cis-1,3-Dichloropropene	ND	5.0									
Dibromochloromethane	ND	5.0									
Dibromomethane	ND	5.0									
Dichlorodifluoromethane	ND	5.0									
Ethylbenzene	ND	5.0									
Hexachlorobutadiene	ND	5.0									
Isopropylbenzene	ND	5.0									
m,p-Xylene	ND	10									
Methylene chloride	ND	5.0									
n-Butylbenzene	ND	5.0									
n-Propylbenzene	ND	5.0									
Naphthalene	ND	5.0									
o-Xylene	ND	5.0									
sec-Butylbenzene	ND	5.0									
Styrene	ND	5.0									
tert-Butylbenzene	ND	5.0									
Tetrachloroethene	ND	5.0									
Toluene	ND	5.0									
trans-1,2-Dichloroethene	ND	5.0									
Trichloroethene	ND	5.0									
Trichlorofluoromethane	ND	5.0									
Vinyl chloride	ND	5.0									
Surr: 1,2-Dichloroethane-d4	48.58	5.0	50	0	97.2	66	149	0	0		
Surr: 4-Bromofluorobenzene	45.24	5.0	50	0	90.5	83	125	0	0		
Surr: Dibromofluoromethane	55.1	5.0	50	0	110	75	139	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values

DO- Surrogate dilute out
H - Sample exceeded holding time



CLIENT: SCS Engineers
Work Order: 077299
Project: LB Public Service Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S_5035

Sample ID: P050624MB2	SampType: MBLK	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:	Run ID: MS1_050624A						
Client ID: ZZZZZ	Batch ID: P05VS095	TestNo: EPA 8260B		Analysis Date: 6/24/2005	SeqNo: 757452						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Toluene-d8	51.85	5.0	50	0	104	87	133	0	0		

Sample ID: P050627MB2	SampType: MBLK	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:	Run ID: MS1_050627A						
Client ID: ZZZZZ	Batch ID: P05VS096	TestNo: EPA 8260B		Analysis Date: 6/27/2005	SeqNo: 757967						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0									
1,1,1-Trichloroethane	ND	5.0									
1,1,2,2-Tetrachloroethane	ND	5.0									
1,1,2-Trichloroethane	ND	5.0									
1,1-Dichloroethane	ND	5.0									
1,1-Dichloroethene	ND	5.0									
1,1-Dichloropropene	ND	5.0									
1,2,3-Trichlorobenzene	ND	5.0									
1,2,3-Trichloropropane	ND	5.0									
1,2,4-Trichlorobenzene	ND	5.0									
1,2,4-Trimethylbenzene	ND	5.0									
1,2-Dibromo-3-chloropropane	ND	10									
1,2-Dibromoethane	ND	5.0									
1,2-Dichlorobenzene	ND	5.0									
1,2-Dichloroethane	ND	5.0									
1,2-Dichloropropane	ND	5.0									
1,3,5-Trimethylbenzene	ND	5.0									
1,3-Dichlorobenzene	ND	5.0									
1,3-Dichloropropane	ND	5.0									
1,4-Dichlorobenzene	ND	5.0									
2,2-Dichloropropane	ND	5.0									
2-Chlorotoluene	ND	5.0									
4-Chlorotoluene	ND	5.0									
4-Isopropyltoluene	ND	5.0									

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values

DO- Surrogate dilute out
H - Sample exceeded holding time



CLIENT: SCS Engineers
Work Order: 077299
Project: LB Public Service Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S_5035

Sample ID: P050627MB2		SampType: MBLK		TestCode: 8260_S_5035 Units: µg/Kg		Prep Date:		Run ID: MS1_050627A			
Client ID: ZZZZZ		Batch ID: P05VS096		TestNo: EPA 8260B		Analysis Date: 6/27/2005		SeqNo: 757967			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	5.0									
Bromobenzene	ND	5.0									
Bromodichloromethane	ND	5.0									
Bromoform	ND	5.0									
Bromomethane	ND	5.0									
Carbon tetrachloride	ND	5.0									
Chlorobenzene	ND	5.0									
Chloroethane	ND	5.0									
Chloroform	ND	5.0									
Chloromethane	ND	5.0									
cis-1,2-Dichloroethene	ND	5.0									
cis-1,3-Dichloropropene	ND	5.0									
Dibromochloromethane	ND	5.0									
Dibromomethane	ND	5.0									
Dichlorodifluoromethane	ND	5.0									
Ethylbenzene	ND	5.0									
Hexachlorobutadiene	ND	5.0									
Isopropylbenzene	ND	5.0									
m,p-Xylene	ND	10									
Methylene chloride	ND	5.0									
n-Butylbenzene	ND	5.0									
n-Propylbenzene	ND	5.0									
Naphthalene	ND	5.0									
o-Xylene	ND	5.0									
sec-Butylbenzene	ND	5.0									
Styrene	ND	5.0									
tert-Butylbenzene	ND	5.0									
Tetrachloroethene	ND	5.0									
Toluene	ND	5.0									
trans-1,2-Dichloroethene	ND	5.0									

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits DO- Surrogate dilute out
J - Analyte detected below quantitation limits B - Analyte detected in the associated Method Blank H - Sample exceeded holding time
R - RPD outside accepted recovery limits Calculations are based on raw values



CLIENT: SCS Engineers
Work Order: 077299
Project: LB Public Service Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S_5035

Sample ID: P050627MB2	SampType: MBLK	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:	Run ID: MS1_050627A						
Client ID: ZZZZZ	Batch ID: P05VS096	TestNo: EPA 8260B		Analysis Date: 6/27/2005	SeqNo: 757967						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Trichloroethene	ND	5.0									
Trichlorofluoromethane	ND	5.0									
Vinyl chloride	ND	5.0									
Surr: 1,2-Dichloroethane-d4	40.95	5.0	50	0	81.9	66	149	0	0		
Surr: 4-Bromofluorobenzene	45.56	5.0	50	0	91.1	83	125	0	0		
Surr: Dibromofluoromethane	49.36	5.0	50	0	98.7	75	139	0	0		
Surr: Toluene-d8	49.6	5.0	50	0	99.2	87	133	0	0		

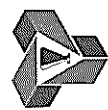
Sample ID: P050624LC1	SampType: LCS	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:	Run ID: MS1_050624A						
Client ID: ZZZZZ	Batch ID: P05VS095	TestNo: EPA 8260B		Analysis Date: 6/24/2005	SeqNo: 757449						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,1-Dichloroethene	112.4	5.0	100	0	112	70	119	0	0		
Benzene	101.5	5.0	100	0	102	80	121	0	0		
Chlorobenzene	110.4	5.0	100	0	110	88	129	0	0		
Toluene	100.8	5.0	100	0	101	84	126	0	0		
Trichloroethene	103.1	5.0	100	0	103	83	129	0	0		
Surr: 1,2-Dichloroethane-d4	42.18	5.0	50	0	84.4	66	149	0	0		
Surr: 4-Bromofluorobenzene	47.3	5.0	50	0	94.6	83	125	0	0		
Surr: Dibromofluoromethane	49.93	5.0	50	0	99.9	75	139	0	0		
Surr: Toluene-d8	51.76	5.0	50	0	104	87	133	0	0		

Sample ID: P050627LC1	SampType: LCS	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:	Run ID: MS1_050627A						
Client ID: ZZZZZ	Batch ID: P05VS096	TestNo: EPA 8260B		Analysis Date: 6/27/2005	SeqNo: 757964						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,1-Dichloroethene	107.8	5.0	100	0	108	70	119	0	0		
Benzene	103.6	5.0	100	0	104	80	121	0	0		
Chlorobenzene	118	5.0	100	0	118	88	129	0	0		
Toluene	105.5	5.0	100	0	106	84	126	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits DO- Surrogate dilute out
J - Analyte detected below quantitation limits B - Analyte detected in the associated Method Blank H - Sample exceeded holding time
R - RPD outside accepted recovery limits Calculations are based on raw values



CLIENT: SCS Engineers
Work Order: 077299
Project: LB Public Service Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S_5035

Sample ID: P050627LC1	SampType: LCS	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:	Run ID: MS1_050627A						
Client ID: ZZZZZ	Batch ID: P05VS096	TestNo: EPA 8260B		Analysis Date: 6/27/2005	SeqNo: 757964						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Trichloroethene	107.2	5.0	100	0	107	83	129	0	0		
Surr: 1,2-Dichloroethane-d4	39.72	5.0	50	0	79.4	66	149	0	0		
Surr: 4-Bromofluorobenzene	47.85	5.0	50	0	95.7	83	125	0	0		
Surr: Dibromofluoromethane	47.42	5.0	50	0	94.8	75	139	0	0		
Surr: Toluene-d8	50.92	5.0	50	0	102	87	133	0	0		

Sample ID: P050624MB2MS	SampType: MS	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:	Run ID: MS1_050624A						
Client ID: ZZZZZ	Batch ID: P05VS095	TestNo: EPA 8260B		Analysis Date: 6/24/2005	SeqNo: 757450						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	114.8	5.0	100	0	115	52	135	0	0		
Benzene	106.8	5.0	100	0	107	52	143	0	0		
Chlorobenzene	119.8	5.0	100	0	120	48	154	0	0		
Toluene	107.3	5.0	100	0	107	54	146	0	0		
Trichloroethene	107.9	5.0	100	0	108	44	169	0	0		
Surr: 1,2-Dichloroethane-d4	43.21	5.0	50	0	86.4	66	149	0	0		
Surr: 4-Bromofluorobenzene	47.69	5.0	50	0	95.4	83	125	0	0		
Surr: Dibromofluoromethane	50.3	5.0	50	0	101	75	139	0	0		
Surr: Toluene-d8	51.25	5.0	50	0	103	87	133	0	0		

Sample ID: P050627MB2MS	SampType: MS	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:	Run ID: MS1_050627A						
Client ID: ZZZZZ	Batch ID: P05VS096	TestNo: EPA 8260B		Analysis Date: 6/27/2005	SeqNo: 757965						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	110.7	5.0	100	0	111	52	135	0	0		
Benzene	104.4	5.0	100	0	104	52	143	0	0		
Chlorobenzene	120.2	5.0	100	0	120	48	154	0	0		
Toluene	103	5.0	100	0	103	54	146	0	0		
Trichloroethene	105.8	5.0	100	0	106	44	169	0	0		
Surr: 1,2-Dichloroethane-d4	39.37	5.0	50	0	78.7	66	149	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values

DO- Surrogate dilute out
H - Sample exceeded holding time



CLIENT: SCS Engineers
Work Order: 077299
Project: LB Public Service Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S_5035

Sample ID: P050627MB2MS	SampType: MS	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:	Run ID: MS1_050627A						
Client ID: ZZZZZ	Batch ID: P05VS096	TestNo: EPA 8260B		Analysis Date: 6/27/2005	SeqNo: 757965						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	46.74	5.0	50	0	93.5	83	125	0	0		
Surr: Dibromofluoromethane	48.16	5.0	50	0	96.3	75	139	0	0		
Surr: Toluene-d8	49.83	5.0	50	0	99.7	87	133	0	0		

Sample ID: P050624MB2MSD	SampType: MSD	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:	Run ID: MS1_050624A						
Client ID: ZZZZZ	Batch ID: P05VS095	TestNo: EPA 8260B		Analysis Date: 6/24/2005	SeqNo: 757451						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	114.6	5.0	100	0	115	52	135	114.8	0.105	30	
Benzene	107.7	5.0	100	0	108	52	143	106.8	0.839	30	
Chlorobenzene	118.9	5.0	100	0	119	48	154	119.8	0.704	30	
Toluene	107.6	5.0	100	0	108	54	146	107.3	0.289	30	
Trichloroethene	108.7	5.0	100	0	109	44	169	107.9	0.711	30	
Surr: 1,2-Dichloroethane-d4	43.07	5.0	50	0	86.1	66	149	0	0	30	
Surr: 4-Bromofluorobenzene	48.57	5.0	50	0	97.1	83	125	0	0	30	
Surr: Dibromofluoromethane	50.16	5.0	50	0	100	75	139	0	0	30	
Surr: Toluene-d8	52.45	5.0	50	0	105	87	133	0	0	30	

Sample ID: P050627MB2MSD	SampType: MSD	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:	Run ID: MS1_050627A						
Client ID: ZZZZZ	Batch ID: P05VS096	TestNo: EPA 8260B		Analysis Date: 6/27/2005	SeqNo: 757966						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	108.7	5.0	100	0	109	52	135	110.7	1.81	30	
Benzene	105.4	5.0	100	0	105	52	143	104.4	0.982	30	
Chlorobenzene	120.2	5.0	100	0	120	48	154	120.2	0.00832	30	
Toluene	107.3	5.0	100	0	107	54	146	103	4.11	30	
Trichloroethene	106.7	5.0	100	0	107	44	169	105.8	0.857	30	
Surr: 1,2-Dichloroethane-d4	39.13	5.0	50	0	78.3	66	149	0	0	30	
Surr: 4-Bromofluorobenzene	47.57	5.0	50	0	95.1	83	125	0	0	30	
Surr: Dibromofluoromethane	47.05	5.0	50	0	94.1	75	139	0	0	30	

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits DO- Surrogate dilute out
J - Analyte detected below quantitation limits B - Analyte detected in the associated Method Blank H - Sample exceeded holding time
R - RPD outside accepted recovery limits Calculations are based on raw values



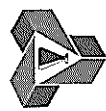
CLIENT: SCS Engineers
Work Order: 077299
Project: LB Public Service Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S_5035

Sample ID: P050627MB2MSD	SampType: MSD	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:	Run ID: MS1_050627A						
Client ID: ZZZZZ	Batch ID: P05VS096	TestNo: EPA 8260B		Analysis Date: 6/27/2005	SeqNo: 757966						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Toluene-d8	51.23	5.0	50	0	102	87	133	0	0	30	

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits DO- Surrogate dilute out
J - Analyte detected below quantitation limits B - Analyte detected in the associated Method Blank H - Sample exceeded holding time
R - RPD outside accepted recovery limits Calculations are based on raw values



CLIENT: SCS Engineers
Work Order: 077299
Project: LB Public Service Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT**TestCode:** HC_S_VOAC4C12

Sample ID: E062305MB2	SampType: MBLK	TestCode: HC_S_VOAC	Units: mg/Kg	Prep Date:	Run ID: GC2_050623B						
Client ID: ZZZZZ	Batch ID: E05VS164	TestNo: EPA 8015B		Analysis Date: 6/23/2005	SeqNo: 759804						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C4-C12	ND	1.0									
Surr: Bromofluorobenzene (FID)	76.67	1.0	100	0	76.7	35	139	0	0		

Sample ID: E062305LCS3	SampType: LCS	TestCode: HC_S_VOAC	Units: mg/Kg	Prep Date:	Run ID: GC2_050623B						
Client ID: ZZZZZ	Batch ID: E05VS164	TestNo: EPA 8015B		Analysis Date: 6/24/2005	SeqNo: 759816						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C4-C12	5.473	1.0	5	0	109	79	117	0	0		
Surr: Bromofluorobenzene (FID)	91.96	1.0	100	0	92	35	139	0	0		

Sample ID: 077299-040AMS	SampType: MS	TestCode: HC_S_VOAC	Units: mg/Kg	Prep Date:	Run ID: GC2_050623B						
Client ID: B22-5	Batch ID: E05VS164	TestNo: EPA 8015B		Analysis Date: 6/24/2005	SeqNo: 759814						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C4-C12	5.15	1.0	5	0	103	35	134	0	0		
Surr: Bromofluorobenzene (FID)	88.72	1.0	100	0	88.7	35	139	0	0		

Sample ID: 077299-040AMSD	SampType: MSD	TestCode: HC_S_VOAC	Units: mg/Kg	Prep Date:	Run ID: GC2_050623B						
Client ID: B22-5	Batch ID: E05VS164	TestNo: EPA 8015B		Analysis Date: 6/24/2005	SeqNo: 759815						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C4-C12	4.855	1.0	5	0	97.1	35	134	5.15	5.90	30	
Surr: Bromofluorobenzene (FID)	89.98	1.0	100	0	90	35	139	0	0	0	

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values

DO- Surrogate dilute out
H - Sample exceeded holding time



CLIENT: SCS Engineers
Work Order: 077299
Project: LB Public Service Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

TestCode: HC_S_VOAENCC4C12

Sample ID: E062305MB2	SampType: MBLK	TestCode: HC_S_VOAE	Units: mg/Kg	Prep Date:	Run ID: GC2_050623B						
Client ID: ZZZZZ	Batch ID: E05VS164	TestNo: EPA 8015B		Analysis Date: 6/23/2005	SeqNo: 759588						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

T/R Hydrocarbons: C4-C12	ND	1.0									
Surr: Bromofluorobenzene (FID)	76.67	1.0	100	0	76.7	35	139	0	0		

Sample ID: E062305LCS3	SampType: LCS	TestCode: HC_S_VOAE	Units: mg/Kg	Prep Date:	Run ID: GC2_050623B						
Client ID: ZZZZZ	Batch ID: E05VS164	TestNo: EPA 8015B		Analysis Date: 6/24/2005	SeqNo: 759581						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

T/R Hydrocarbons: C4-C12	5.473	1.0	5	0	109	79	117	0	0		
Surr: Bromofluorobenzene (FID)	91.96	1.0	100	0	92	35	139	0	0		

Sample ID: 077299-040AMS	SampType: MS	TestCode: HC_S_VOAE	Units: mg/Kg	Prep Date:	Run ID: GC2_050623B						
Client ID: B22-5	Batch ID: E05VS164	TestNo: EPA 8015B		Analysis Date: 6/24/2005	SeqNo: 759579						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

T/R Hydrocarbons: C4-C12	5.15	1.0	5	0	103	35	134	0	0		
Surr: Bromofluorobenzene (FID)	88.72	1.0	100	0	88.7	35	139	0	0		

Sample ID: 077299-040AMSD	SampType: MSD	TestCode: HC_S_VOAE	Units: mg/Kg	Prep Date:	Run ID: GC2_050623B						
Client ID: B22-5	Batch ID: E05VS164	TestNo: EPA 8015B		Analysis Date: 6/24/2005	SeqNo: 759580						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

T/R Hydrocarbons: C4-C12	4.855	1.0	5	0	97.1	35	134	5.15	5.90	30	
Surr: Bromofluorobenzene (FID)	89.98	1.0	100	0	90	35	139	0	0	0	

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values

DO- Surrogate dilute out
H - Sample exceeded holding time



CLIENT: SCS Engineers
Work Order: 077299
Project: LB Public Service Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

TestCode: HC_S

Sample ID: MB-23319	SampType: MBLK	TestCode: HC_S	Units: mg/Kg	Prep Date: 6/24/2005	Run ID: GC7_BACK_050624B						
Client ID: ZZZZZ	Batch ID: 23319	TestNo: EPA 8015B(M (LUFT)	Analysis Date: 6/24/2005	SeqNo: 759608							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

T/R Hydrocarbons: C13-C22

ND

10

Surr: p-Terphenyl

75.6

0

80

0

94.5

51

128

0

0

Sample ID: MB-23319	SampType: MBLK	TestCode: HC_S	Units: mg/Kg	Prep Date: 6/24/2005	Run ID: GC7_BACK_050624B						
Client ID: ZZZZZ	Batch ID: 23319	TestNo: EPA 8015B(M (LUFT)	Analysis Date: 6/28/2005	SeqNo: 759629							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

T/R Hydrocarbons: C13-C22

ND

10

Surr: p-Terphenyl

89.54

0

80

0

112

51

128

0

0

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

Calculations are based on raw values

DO- Surrogate dilute out

H - Sample exceeded holding time



CLIENT: SCS Engineers
Work Order: 077299
Project: LB Public Service Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

TestCode: HC_S_SVOA

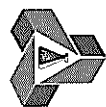
Sample ID: MB-23319	SampType: MBLK	TestCode: HC_S_SVOA	Units: mg/Kg	Prep Date: 6/24/2005	Run ID: GC7_BACK_050624B						
Client ID: ZZZZZ	Batch ID: 23319	TestNo: EPA 8015B	(LUFT)	Analysis Date: 6/24/2005	SeqNo: 757509						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C23-C32	ND	10									
T/R Hydrocarbons: >C32	ND	10									
Surr: p-Terphenyl	75.6	10	80	0	94.5	51	128	0	0		

Sample ID: MB-23319	SampType: MBLK	TestCode: HC_S_SVOA	Units: mg/Kg	Prep Date: 6/24/2005	Run ID: GC7_BACK_050624B						
Client ID: ZZZZZ	Batch ID: 23319	TestNo: EPA 8015B	(LUFT)	Analysis Date: 6/28/2005	SeqNo: 758417						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C23-C32	ND	10									
T/R Hydrocarbons: >C32	ND	10									
Surr: p-Terphenyl	89.54	10	80	0	112	51	128	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values

DO- Surrogate dilute out
H - Sample exceeded holding time



CLIENT: SCS Engineers
Work Order: 077299
Project: LB Public Service Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

BatchID: 23319

Sample ID: LCS-23319	SampType: LCS	TestCode: 8015_S_DM	Units: mg/Kg	Prep Date: 6/24/2005	Run ID: GC7_BACK_050624B						
Client ID: ZZZZZ	Batch ID: 23319	TestNo: EPA 8015B(M (LUFT)	Analysis Date: 6/24/2005	SeqNo: 757505							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel	728.8	10	1000	0	72.9	68	126	0	0		
Surr: p-Terphenyl	75.69	0	80	0	94.6	51	128	0	0		

Sample ID: LCS-23319	SampType: LCS	TestCode: 8015_S_DM	Units: mg/Kg	Prep Date: 6/24/2005	Run ID: GC7_BACK_050624B						
Client ID: ZZZZZ	Batch ID: 23319	TestNo: EPA 8015B(M (LUFT)	Analysis Date: 6/28/2005	SeqNo: 758388							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel	901.2	10	1000	0	90.1	68	126	0	0		
Surr: p-Terphenyl	95.95	0	80	0	120	51	128	0	0		

Sample ID: 077298-014AMS	SampType: MS	TestCode: 8015_S_DM	Units: mg/Kg	Prep Date: 6/24/2005	Run ID: GC7_BACK_050624B						
Client ID: ZZZZZ	Batch ID: 23319	TestNo: EPA 8015B(M (LUFT)		Analysis Date: 6/24/2005	SeqNo: 757506						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel	742.1	10	1000	0	74.2	49	139	0	0		
Surr: p-Terphenyl	70.12	0	80	0	87.7	51	128	0	0		

Sample ID: 077298-014AMSD	SampType: MSD	TestCode: 8015_S_DM	Units: mg/Kg	Prep Date: 6/24/2005	Run ID: GC7_BACK_050624B						
Client ID: ZZZZZ	Batch ID: 23319	TestNo: EPA 8015B(M (LUFT)		Analysis Date: 6/24/2005	SeqNo: 757507						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel	853.2	10	1000	0	85.3	49	139	742.1	13.9	30	
Surr: p-Terphenyl	71.1	0	80	0	88.9	51	128	0	0	30	

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike/Surrogate outside limits due to matrix interference DO - Surrogate diluted out
J - Analyte detected below quantitation limits B - Analyte detected in the associated Method Blank H - Sample exceeded holding time
R - RPD outside accepted recovery limits Calculations are based on raw values

CHAIN OF CUSTODY RECORD

SCS ENGINEERS Environmental Consultants

3711 Long Beach Blvd., Ninth Floor
Long Beach, California 90807-3315
Phone: (562) 426-9544 Fax: (562) 427-0805

TOTAL NUMBER OF SAMPLES:

PAGE 1 OF 3

TURNAROUND TIME REQUIRED:

☒ 5-Day ☐ 3-Day ☐ Immediate ☐ Other

ANALYSES REQUESTED

LAB USE ONLY

PROJECT NUMBER: 01204007.02

PROJECT MANAGER: Kevin Green

PROJECT NAME: LB Public Service Yard

W.O. / S.O. #:

PROJECT LOCATION: 1601 San Francisco Ave.

SAMPLER NAME AND SIGNATURE: Kevin Green / Kevin Green

I.D. NUMBER	SAMPLE DESIGNATION	SAMPLE MATRIX	DATE/TIME COLLECTED	CONTAINER SIZE/TYPE	SAMPLE PRESERVATIVE	SPECIAL INSTRUCTIONS/COMMENTS	Title 22 Metals	TPH Carbon Chain	EPA 8081A	8260B	Archive
	B2-1'	soil	6-20-05	Acetate 5/6oz	+		X				
	B3-1'	"	"	"	+		X				
	B5-1'	"	"	"	"						X
	B5-5'	"	"	"	"		X	X			
	B5-10'	"	"	"	"						X
	B13-1'	"	"	"	"		X				
	B14-1'	"	"	"	"		X				X
	B14-5'	"	"	"	"		X	X			X Kelly
	B14-10'	"	"	"	"		X	X			
	B15-1'	"	"	"	"				X		
	B15-5'	"	"	"	"				X		
	B16-1'	"	"	"	"				X		
	B16-5'	"	"	"	"				X		
	B12-1'	"	"	Acetate	" 10:05		X				
	B12-5	"	"	Soils + Acetate	" 10:09			X	X		

NOTES:

SAMPLE CONDITION UPON RECEIPT:

RELINQUISHED BY: Kevin Green	DATE: 6-22-05	RECEIVED BY: BING ROURA	DATE: 6/22/05	RELINQUISHED BY: BING ROURA	DATE: 6/22/05	RECEIVED BY: [Signature]	DATE: 06/22/05
COMPANY: SCS	TIME: 4:25	COMPANY: ATL	TIME: 4:25 pm	COMPANY: ATL	TIME: 4:55 pm	COMPANY: ATL	TIME: 7:00 1700

CHAIN OF CUSTODY RECORD

SCS ENGINEERS Environmental Consultants						TOTAL NUMBER OF SAMPLES:		ANALYSES REQUESTED								LAB USE ONLY							
3711 Long Beach Blvd., Ninth Floor Long Beach, California 90807-3315 Phone: (562) 426-9544 Fax: (562) 427-0805						PAGE 2 OF 3		Tite 22 Metals TPH-CC 8081A 8260B															
						TURNAROUND TIME REQUIRED:																	
PROJECT NUMBER: 01204007.02						TURNAROUND TIME REQUIRED: ☒ 5-Day ☐ 3-Day ☐ Immediate ☐ Other																	
PROJECT NAME: LB Public Service Yard						PROJECT MANAGER: Kevin Green																	
PROJECT LOCATION: 1601 San Francisco Ave.						W.O. / S.O. #:																	
SAMPLER NAME AND SIGNATURE: Jason Brown and Kevin Green / Kevin Green																							
I.D. NUMBER	SAMPLE DESIGNATION	SAMPLE MATRIX	DATE/TIME COLLECTED	CONTAINER SIZE/TYPE	SAMPLE PRESERVATIVE	SPECIAL INSTRUCTIONS/COMMENTS																	
	B12-10	soil	6/20/05 10:15	Acetate	ILS																		
	B19-1		10:36	acetate sleeve		X X																	
	B19-5		10:40	5035 acetate		X X X																	
	B17-1		10:54	acetate																			
	B17-5		10:56	5035 acetate																			
	B17-10		11:01	acetate																			
	B7-1		12:06	Acetate																			
	B7-5		12:09	5035 acetate		X X																	
	B7-10		12:12	5035 acetate																			
	B8-1		12:23	acetate																			
	B8-5		12:27	5035 acetate		X X X																	
	B8-10		12:31	5035 acetate																			
	B4-1		12:52	acetate																			
	B4-5		12:54	5035 acetate																			
	B4-10		12:54	5035 acetate		X																	
NOTES:						SAMPLE CONDITION UPON RECEIPT:																	
RELINQUISHED BY: Kevin Green						DATE: 6/22/05						RECEIVED BY: BING ROWEN						DATE: 6/22/05					
COMPANY: SCS						TIME: 4:25						COMPANY: ATL						TIME: 4:55pm					
RELINQUISHED BY: Kevin Green						DATE: 6/22/05						RECEIVED BY: BING ROWEN						DATE: 6/22/05					
COMPANY: SCS						TIME: 4:25						COMPANY: ATL						TIME: 1700					



American Environmental Testing Laboratory Inc.

2834 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840

CHAIN OF CUSTODY RECORD

Nº 38799

COMPANY SCS Engineers				PHONE (562) 426-9544		AETL JOB No.		Page 3 of 3																						
PROJECT MANAGER Kevin Green				FAX		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th colspan="10">ANALYSIS REQUESTED</th> <th rowspan="2">TEST INSTRUCTIONS & COMMENTS</th> </tr> <tr> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">T.H. 22 Metals</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">TPH-CC</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">8081A</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">8260B</td> <td></td><td></td><td></td><td></td><td></td><td></td> </tr> </table>				ANALYSIS REQUESTED										TEST INSTRUCTIONS & COMMENTS	T.H. 22 Metals	TPH-CC	8081A	8260B						
ANALYSIS REQUESTED										TEST INSTRUCTIONS & COMMENTS																				
T.H. 22 Metals	TPH-CC	8081A	8260B																											
PROJECT NAME Long Beach Public Service Yard				PROJECT # 01204007.02																										
SITE NAME AND ADDRESS 1601 San Francisco Ave																														

SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.												
B6-1		6-20-05	1312	SSI	Acetate													
B6-5			1313															
B6-10			1317															
B20-1																		
B20-5																		
B20-10																		
B21-1																		
B21-5																		
B22-1																		
B22-5																		
B23-1																		
B23-5																		
B9-1																		
B9-5																		

SAMPLE RECEIPT - TO BE FILLED BY LABORATORY				RELINQUISHED BY: 1.		RELINQUISHED BY: 2.		RELINQUISHED BY: 3.	
TOTAL NUMBER OF CONTAINERS	PROPERLY COOLED Y / N / NA			Signature: Kevin Green	Signature: R	Signature:		Signature:	
CUSTODY SEALS Y / N / NA	SAMPLES INTACT Y / N / NA			Printed Name: Kevin Green	Printed Name: BING ROURA	Printed Name:		Printed Name:	
RECEIVED IN GOOD COND. Y / N	SAMPLES ACCEPTED Y / N			Date: 6-22-05 Time: 4:25	Date: 6/22/05 Time: 4:55pm	Date:		Date:	
TURN AROUND TIME				RECEIVED BY: 1.		RECEIVED BY: 2.		RECEIVED BY: 3.	
☒ NORMAL ☐ RUSH ☐ SAME DAY ☐ 48 HRS. ☐ 24 HRS. ☐ 72 HRS.				Signature: R	Signature:	Signature:		Signature:	
				Printed Name:	Printed Name:	Printed Name:		Printed Name:	
				Date: 6/22/05 Time: 4:25pm	Date:	Date:		Date:	

Arada, Mary Rachelle

From: Aguila, Carmen
Sent: Thursday, June 23, 2005 2:56 PM
To: Arada, Mary Rachelle
Subject: FW: Analyses for Long Beach Service Yard Project

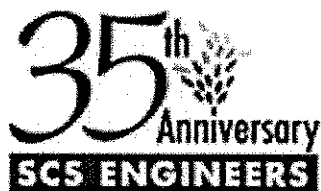
-----Original Message-----

From: Kevin W. Green [mailto:kgreen@scsengineers.com]
Sent: Thursday, June 23, 2005 2:37 PM
To: Aguila, Carmen
Subject: Analyses for Long Beach Service Yard Project

Carmen,

Per our telephone discussion of a few minutes ago, please analyze sample B14-1 for Title 22 metals. Disregard the Chain of Custody where the "archive" column was marked.

Thank you – Kevin



Kevin W. Green, PG, REA
SCS ENGINEERS
3900 Kilroy Airport Way, Suite 100
Long Beach, CA 90806-6816
Phone: (562) 426-9544
Fax: (562) 427-0805
www.scsengineers.com

APPENDIX C
BORING LOGS

3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806-6816

BORING NUMBER: B1

Page 1 of 1

Long Beach Public Service Yard
1601 San Francisco Ave.
Long Beach, CA

JOB NUMBER: 01204007.02

REMARKS:

Depth		Sample Information					Graphic Log	Description	Completion Detail
meters	feet	Sample Location	Sample Number	Blow Counts	OVM (ppm)	USCS Soil Class.			
0	0							Surface - asphalt	0
	1		B1-1'		3.2	SP		1' - Gray sand, medium dense, dry	
	2								
	3								
1	4								
	5		B1-5'		0.5	SM		5' - Gray-brown, silty sand, occasional brick, moist, no odor; artificial fill	5
	6								
2	7								
	8								
	9								
3	10		B1-10'		0.5	SM		10' - Gray, silty sand, medium dense, wet, no odor	10
	11								
	12								
	13								
4	14								
	15								

Drilling Company: **H&P**

Drilling Method: **Strataprobe**

Logged By: **K. Green**

Sampling Method: **Split spoon with acetate sleeve**

Date Started: **6/21/05**

Date Ended: **6/21/05**

Boring Diameter: **2.0"**

Time Started: **10:45**

Time Ended: **11:00**

Depth to Water: **10.0 ft.**

Total Depth: **10.0 ft.**

3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806-6816

BORING NUMBER: B2

Page 1 of 1

Long Beach Public Service Yard
1601 San Francisco Ave.
Long Beach, CA

JOB NUMBER: 01204007.02

REMARKS:

Depth		Sample Information					Graphic Log	Description	Completion Detail
meters	feet	Sample Location	Sample Number	Blow Counts	OVM (ppm)	USCS Soil Class.			
0	0							Surface - asphalt	0
	1		B2-1'			ML/SP		1' - Dark brown silt over tan, fine sand	← Asphalt ← Bentonite chips
	2								
	3								
1	4								
	5								
	6								
2	7								
	8								
	9								
3	10								
	11								
	12								
4	13								
	14								
	15								

Drilling Company: **H&P**

Drilling Method: **Strataprobe**

Logged By: **K. Green**

Sampling Method: **Split spoon with acetate sleeve**

Date Started: **6/20/05**

Date Ended: **6/20/05**

Boring Diameter: **2.0"**

Time Started: **08:00**

Time Ended: **08:01**

Total Depth: **1.5 ft.**

3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806-6816

BORING NUMBER: B3

Page 1 of 1

Long Beach Public Service Yard
1601 San Francisco Ave.
Long Beach, CA

JOB NUMBER: 01204007.02

REMARKS:

Depth		Sample Information					Graphic Log	Description	Completion Detail
meters	feet	Sample Location	Sample Number	Blow Counts	OVM (ppm)	USCS Soil Class.			
0	0							Surface - asphalt	0
	1		B3-1			ML		1' - Dark brown silt, moist; red, degraded (soft) brick in drive shoe	Asphalt Bentonite chips
	2								
	3								
1	4								
	5								
	6								
2	7								
	8								
	9								
3	10								
	11								
	12								
4	13								
	14								
	15								

Drilling Company: **H&P**

Drilling Method: **Strataprobe**

Logged By: **K. Green**

Sampling Method: **Split spoon with acetate sleeve**

Date Started: **6/20/05**

Time Started: **08:18**

Date Ended: **6/20/05**

Time Ended: **08:20**

Boring Diameter: **2.0"**

Total Depth: **1.5 ft.**

3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806-6816

BORING NUMBER: B4

Page 1 of 1

Long Beach Public Service Yard
1601 San Francisco Ave.
Long Beach, CA

JOB NUMBER: 01204007.02

REMARKS:

Depth		Sample Information					Graphic Log	Description	Completion Detail
meters	feet	Sample Location	Sample Number	Blow Counts	OVM (ppm)	USCS Soil Class.			
0	0							Surface - asphalt	0
	1		B4-1'		N/A				
	2								
	3								
1	4								
	5		B4-5'		4.7	SW		Brown to black, fine to coarse sand, slightly moist, no odor	5
	6								
2	7								
	8								
	9								
3	10		B4-10'		221	ML		Brown, clayey silt, wet, no odor	10
	11								
	12								
4	13								
	14								
	15								

Drilling Company: **H&P**

Drilling Method: **Strataprobe**

Logged By: **J. Brown**

Sampling Method: **Split spoon with acetate sleeve**

Date Started: **6/20/05**

Date Ended: **6/20/05**

Boring Diameter: **2.0"**

Total Depth: **10.0 ft.**

STANDARD_LOG_01204007_02A.GPJ STD_LOG.GDT 6/24/05

3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806-6816

BORING NUMBER: B5

Page 1 of 1

Long Beach Public Service Yard
1601 San Francisco Ave.
Long Beach, CA

JOB NUMBER: 01204007.02

REMARKS:

Depth		Sample Information					Graphic Log	Description	Completion Detail
meters	feet	Sample Location	Sample Number	Blow Counts	OVM (ppm)	USCS Soil Class.			
0	0								
	1		B5-1			SM		1' - Dark brown sand/silt mix, moist	
	2								
	3								
1	4								
	5		B5-5		2.4	SM		5' - Dark brown to light gray, silty sand with gravel, moist	
	6								
	7								
	8								
	9								
	10		B5-10		2.2	SM		10' - Gray, silty sand, micaceous, wet Groundwater at 10'	
	11								
	12								
	13								
4	14								
	15								

Drilling Company: **H&P**

Drilling Method: **Strataprobe**

Logged By: **K. Green**

Sampling Method: **Split spoon with acetate sleeve**

Date Started: **6/20/05**

Date Ended: **6/20/05**

Boring Diameter: **2.0"**

Depth to Water: **10.0 ft.**

Total Depth: **10.0 ft.**

STANDARD_LOG_01204007_02A.GPJ STD_LOG.GDT 8/2/05

3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806-6816

BORING NUMBER: B6

Page 1 of 1

Long Beach Public Service Yard
1601 San Francisco Ave.
Long Beach, CA

JOB NUMBER: 01204007.02

REMARKS:

Depth		Sample Information					Graphic Log	Description	Completion Detail
meters	feet	Sample Location	Sample Number	Blow Counts	OVM (ppm)	USCS Soil Class.			
0	0							2" asphalt	0
	1		B6-1'						
	2								
	3								
1	4								
	5		B6-5'			ML		Brown clayey silt with sand, moist, no odor	5
	6								
2	7								
	8								
	9								
3	10		B6-10'			SW		Brown to black, medium to coarse sand with brick (artificial fill) and gray, some "clasts" of clayey silt, moist, no odor	10
	11								
	12								
4	13								
	14								
	15								

Drilling Company: **H&P**

Drilling Method: **Strataprobe**

Logged By: **J. Brown**

Sampling Method: **Split spoon with acetate sleeve**

Date Started: **6/20/05**

Date Ended: **6/20/05**

Boring Diameter: **2.0"**

Total Depth: **10.0 ft.**

3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806-6816

BORING NUMBER: B7

Page 1 of 1

Long Beach Public Service Yard
1601 San Francisco Ave.
Long Beach, CA

JOB NUMBER: 01204007.02

REMARKS:

Depth		Sample Information					Graphic Log	Description	Completion Detail
meters	feet	Sample Location	Sample Number	Blow Counts	OM (ppm)	USCS Soil Class.			
0	0							2" asphalt	0
	1		B7-1'		23.4	SP		Light brown to tan, fine to medium sand	
	2								
	3								
1	4								
	5		B7-5'		65.8	SP		Light brown to black, medium sand with bricks, no odor (artificial fill)	5
	6								
	7								
2	8								
	9								
	10		B7-10'		6.3	ML		Brown, clayey silt, saturated, no odor	10
	11								
	12								
	13								
4	14								
	15								

Drilling Company: H&P

Drilling Method: Strataprobe

Logged By: J. Brown

Sampling Method: Split spoon with acetate sleeve

Date Started: 6/20/05

Date Ended: 6/20/05

Boring Diameter: 2.0"

Depth to Water: 10.0 ft.

Total Depth: 10.0 ft.

3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806-6816

BORING NUMBER: B8

Page 1 of 1

Long Beach Public Service Yard
1601 San Francisco Ave.
Long Beach, CA

JOB NUMBER: 01204007.02

REMARKS:

Depth		Sample Information					Graphic Log	Description	Completion Detail
meters	feet	Sample Location	Sample Number	Blow Counts	OVM (ppm)	USCS Soil Class.			
0	0							2" asphalt	0
	1		B8-1'		2.1	SW		Black, coarse sand with some gravel, slightly moist, no odor	
	2								
	3								
1	4								
	5		B8-5'		39.5	SW		Brown to black, coarse sand with some gravel, slightly moist, no odor	5
	6								
2	7								
	8								
	9								
3	10		B8-10'		4.9	SW		Tan to light brown, fine to coarse sand, slightly moist, no odor	10
	11								
	12								
4	13								
	14								
	15								

Drilling Company: **H&P**

Drilling Method: **Strataprobe**

Logged By: **J. Brown**

Sampling Method: **Split spoon with acetate sleeve**

Date Started: **6/20/05**

Date Ended: **6/20/05**

Boring Diameter: **2.0"**

Total Depth: **10.0 ft.**

STANDARD_LOG_01204007_02A.GPJ STD_LOG.GDT 6/24/05

3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806-6816

BORING NUMBER: B9

Page 1 of 1

Long Beach Public Service Yard
1601 San Francisco Ave.
Long Beach, CA

JOB NUMBER: 01204007.02

REMARKS:

Depth		Sample Information					Graphic Log	Description	Completion Detail
meters	feet	Sample Location	Sample Number	Blow Counts	OVM (ppm)	USCS Soil Class.			
0	0							Surface - grass	
1	1		B9-1'		5	ML		1' - Brown silt, dry	
2	2								
3	3								
4	4								
5	5		B9-5'		5	SP		5' - Gray, fine sand	
6	6								
7	7								
8	8								
9	9								
10	10								
11	11								
12	12								
13	13								
14	14								
15	15								

Drilling Company: **H&P**

Drilling Method: **Strataprobe**

Logged By: **K. Green**

Sampling Method: **Split spoon with acetate sleeve**

Date Started: **6/20/05**

Date Ended: **6/20/05**

Boring Diameter: **2.0"**

Total Depth: **5.0 ft.**

3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806-6816

BORING NUMBER: B10

Page 1 of 1

Long Beach Public Service Yard
1601 San Francisco Ave.
Long Beach, CA

JOB NUMBER: 01204007.02

REMARKS:

Depth		Sample Information					Graphic Log	Description	Completion Detail
meters	feet	Sample Location	Sample Number	Blow Counts	OVM (ppm)	USCS Soil Class.			
0	0							Surface - asphalt	
	1		B10-1'		1.2	SP		1' - Variegated gray-red-brown sand, slightly moist, no odor	
	2								
	3								
-1	4								
	5		B10-5'		0.6	SP		5' - Gray sand, medium dense, micaceous, moist, no odor	
	6								
-2	7								
	8								
	9								
-3	10								
	11								
	12								
-4	13								
	14								
	15								

← Bentonite chips

Drilling Company: H&P

Drilling Method: Strataprobe

Logged By: K. Green

Sampling Method: Split spoon with acetate sleeve

Date Started: 6/21/05

Time Started: 12:15

Date Ended: 6/21/05

Time Ended: 12:25

Boring Diameter: 1.5"

Total Depth: 5.0 ft.

3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806-6816

BORING NUMBER: B11

Page 1 of 1

**Long Beach Public Service Yard
1601 San Francisco Ave.
Long Beach, CA**

JOB NUMBER: 01204007.02

REMARKS:

Depth		Sample Information					Graphic Log	Description	Completion Detail
meters	feet	Sample Location	Sample Number	Blow Counts	OVM (ppm)	USCS Soil Class.			
0	0							Surface - asphalt	0
	1		B11-1'		0.7	SM		1' - Gray-brown sand/silt mix with gravel, medium dense, moist, no odor	
	2								
	3								
1	4								
	5		B11-5'		0.7	SP		5' - Brown, fine sand, micaceous, medium dense, moist	5
	6								
	7								
	8								
	9								
	10		B11-10'		0.7	ML		10' - Gray brown, clayey silt, soft, moist, no odor	10
	11								
	12								
	13								
4	14								
	15								

Drilling Company: **H&P**

Drilling Method: **Strataprobe**

Logged By: **K. Green**

Sampling Method: **Split spoon with acetate sleeve**

Date Started: **6/21/05**

Time Started: **12:00**

Date Ended: **6/21/05**

Time Ended: **12:15**

Boring Diameter: **1.5"**

Total Depth: **10.0 ft.**

3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806-6816

BORING NUMBER: B12

Page 1 of 1

**Long Beach Public Service Yard
1601 San Francisco Ave.
Long Beach, CA**

JOB NUMBER: 01204007.02

REMARKS:

Depth		Sample Information					Graphic Log	Description	Completion Detail
meters	feet	Sample Location	Sample Number	Blow Counts	OVM (ppm)	USCS Soil Class.			
0	0							Surface - 2" asphalt	0
	1		B12-1'			SM		1' - Dark brown to black, silty sand, slightly moist, no odor	
	2								
	3								
1	4								
	5		B12-5'			SP		5' - Light gray-brown, medium to coarse sand with brick, no odor (artificial fill)	5
	6								
	7								
	8								
	9								
	10		B12-10'			SM		10' - Brown to black, silty sand, moist, no odor	10
	11								
	12								
	13								
4	14								
	15								

Drilling Company: **H&P**

Drilling Method: **Strataprobe**

Logged By: **J. Brown**

Sampling Method: **Split spoon with acetate sleeve**

Date Started: **6/20/05**

Date Ended: **6/20/05**

Boring Diameter: **2.0"**

Total Depth: **10.0 ft.**

3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806-6816

BORING NUMBER: B13

Page 1 of 1

Long Beach Public Service Yard
1601 San Francisco Ave.
Long Beach, CA

JOB NUMBER: 01204007.02

REMARKS:

Depth		Sample Information					Graphic Log	Description	Completion Detail
meters	feet	Sample Location	Sample Number	Blow Counts	OVM (ppm)	USCS Soil Class.			
0	0							Surface - asphalt	0
	1		B13-1'			SM		1' - Gray-brown mix of sand and silt, moist, brick in core	← Asphalt ← Bentonite chips
	2								
	3								
1	4								
	5								
	6								
2	7								
	8								
	9								
3	10								
	11								
	12								
4	13								
	14								
	15								

Drilling Company: **H&P**

Drilling Method: **Strataprobe**

Logged By: **K. Green**

Sampling Method: **Split spoon with acetate sleeve**

Date Started: **6/20/05**

Date Ended: **6/20/05**

Boring Diameter: **2.0"**

Total Depth: **1.5 ft.**

3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806-6816

BORING NUMBER: B14

Page 1 of 1

Long Beach Public Service Yard
1601 San Francisco Ave.
Long Beach, CA

JOB NUMBER: 01204007.02

REMARKS:

Depth		Sample Information					Graphic Log	Description	Completion Detail
meters	feet	Sample Location	Sample Number	Blow Counts	OVM (ppm)	USCS Soil Class.			
0	0								0
	1		B14-1'		2.0	ML		1' - Light tan to reddish brown silt, moist	
	2								
	3								
1	4								
	5		B14-5'		4.0	SM		5' - Variegated dark gray to white to brown sand with silt, moist (artificial fill)	5
	6								
2	7								
	8								
	9								
3	10		B14-10'		NA	SM		10' - Dark brown-gray sand/silt mix with angular pea gravel, moist	10
	11								
	12								
4	13								
	14								
	15								

Drilling Company: **H&P**

Drilling Method: **Strataprobe**

Logged By: **K. Green**

Sampling Method: **Split spoon with acetate sleeve**

Date Started: **6/20/05**

Date Ended: **6/20/05**

Boring Diameter: **2.0"**

Total Depth: **10.0 ft.**

STANDARD LOG 01204007 02A.GPJ STD_LOG.GDT 6/24/05

3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806-6816

BORING NUMBER: B15

Page 1 of 1

Long Beach Public Service Yard
1601 San Francisco Ave.
Long Beach, CA

JOB NUMBER: 01204007.02

REMARKS:

Depth		Sample Information					Graphic Log	Description	Completion Detail
meters	feet	Sample Location	Sample Number	Blow Counts	OVN (ppm)	USCS Soil Class.			
0	0								0
	1		B15-1'		NA	SM		1' - White to brown to red variegated sand/silt mix, moist	Asphalt
	2								Bentonite chips
1	3								
	4								
	5		B15-5'		NA	SM		5' - White to brown to red variegated sand/silt mix, moist	
	6								
2	7								
	8								
	9								
3	10								10
	11								
	12								
4	13								
	14								
	15								

Drilling Company: **H&P**

Drilling Method: **Strataprobe**

Logged By: **K. Green**

Sampling Method: **Split spoon with acetate sleeve**

Date Started: **6/20/05**

Date Ended: **6/20/05**

Boring Diameter: **2.0"**

Total Depth: **5.0 ft.**

3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806-6816

BORING NUMBER: B16

Page 1 of 1

**Long Beach Public Service Yard
1601 San Francisco Ave.
Long Beach, CA**

JOB NUMBER: 01204007.02

REMARKS:

Depth		Sample Information					Graphic Log	Description	Completion Detail
meters	feet	Sample Location	Sample Number	Blow Counts	OVM (ppm)	USCS Soil Class.			
0	0							Surface - asphalt	0
	1		B16-1'		NA	SM		1' - Variegated white to brown to dark gray sand/silt mix	
	2								
	3								
1	4								
	5		B16-5'		NA	SM		5' - Dark brown sand/silt mix, moist	5
	6								
2	7								
	8								
	9								
3	10								10
	11								
	12								
4	13								
	14								
	15								

Drilling Company: **H&P**

Drilling Method: **Strataprobe**

Logged By: **K. Green**

Sampling Method: **Split spoon with acetate sleeve**

Date Started: **6/20/05**

Date Ended: **6/20/05**

Boring Diameter: **2.0"**

Total Depth: **5.0 ft.**

STANDARD_LOG_01204007_02A.GPJ STD_LOG.GDT 6/24/05

3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806-6816

BORING NUMBER: B17

Page 1 of 1

**Long Beach Public Service Yard
1601 San Francisco Ave.
Long Beach, CA**

JOB NUMBER: 01204007.02

REMARKS:

Depth		Sample Information					Graphic Log	Description	Completion Detail
meters	feet	Sample Location	Sample Number	Blow Counts	OVM (ppm)	USCS Soil Class.			
0	0							Surface - asphalt	0
	1		B17-1'		NA	NA		Not available	
	2								
	3								
1	4								
	5		B17-5'		2.0	ML		5' - Brown, clayey silt, moist, no odor	5
	6								
2	7								
	8								
	9								
3	10		B17-10'		2.0	ML		10' - Brown, clayey silt, wet, no odor	10
	11								
	12								
	13								
4	14								
	15								

Drilling Company: **H&P**

Drilling Method: **Direct Push**

Logged By: **K. Mika**

Sampling Method: **Split spoon**

Date Started: **6/20/05**

Date Ended: **6/20/05**

Boring Diameter: **2.0"**

Total Depth: **10.0 ft.**

3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806-6816

BORING NUMBER: B18

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Long Beach Public Service Yard
1601 San Francisco Ave.
Long Beach, CA

JOB NUMBER: 01204007.02

REMARKS:

Depth		Sample Information					Graphic Log	Description	Completion Detail
meters	feet	Sample Location	Sample Number	Blow Counts	OVM (ppm)	USCS Soil Class.			
0	0							Surface - asphalt	0
	1		B18-1'		1.8	SM		1' - Gray, silty sand, medium dense, moist, possible slight hydrocarbon odor	← Asphalt
	2								
	3								← Bentonite chips
1	4								
	5		B18-5'		3.0	SM		5' - Gray, silty sand, medium dense, moist, no odor	5
	6								
2	7								
	8								
	9								
3	10								10
	11								
	12								
4	13								
	14								
	15								

Drilling Company: **H&P**

Drilling Method: **Strataprobe**

Logged By: **K. Green**

Sampling Method: **Split spoon with acetate sleeve**

Date Started: **6/21/05**

Time Started: **12:35**

Date Ended: **6/21/05**

Time Ended: **12:45**

Boring Diameter: **1.5"**

Total Depth: **5.0 ft.**

3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806-6816

BORING NUMBER: B19

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Long Beach Public Service Yard
1601 San Francisco Ave.
Long Beach, CA

JOB NUMBER: 01204007.02

REMARKS:

Depth		Sample Information					Graphic Log	Description	Completion Detail
meters	feet	Sample Location	Sample Number	Blow Counts	OVM (ppm)	USCS Soil Class.			
0	0							Surface - asphalt	0
	1		B19-1'		2.0	SM		1' - Brown to black, silty sand with gravel and brick debris	
	2								
	3								
1	3								
	4								
	5		B19-5'		2.8	ML		5' - Dark gray to brown, clayey silt with some sand and gravel	5
	6								
2	6								
	7								
	8								
	9								
	10								10
3	10								
	11								
	12								
	13								
4	13								
	14								
	15								

Drilling Company: **H&P**

Drilling Method: **Strataprobe**

Logged By: **K. Green**

Sampling Method: **Split spoon with acetate sleeve**

Date Started: **6/20/05**

Date Ended: **6/20/05**

Boring Diameter: **2.0"**

Total Depth: **5.0 ft.**

STANDARD_LOG_01204007.02A.GPJ STD_LOG.GDT 6/24/05

3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806-6816

BORING NUMBER: B20

Page 1 of 1

Long Beach Public Service Yard
1601 San Francisco Ave.
Long Beach, CA

JOB NUMBER: 01204007.02

REMARKS:

Depth		Sample Information					Graphic Log	Description	Completion Detail
meters	feet	Sample Location	Sample Number	Blow Counts	OVM (ppm)	USCS Soil Class.			
0	0							Surface - asphalt	0
	1		B20-1'		4.1	ML		1' - Gray-brown silt, moist	
	2								
	3								
1	4								
	5		B20-5'		3.0	ML		5' - Gray silt, moist	5
	6								
	7								
	8								
	9								
	10		B20-10'		3.2	ML		10' - Gray silt, moist	10
	11								
	12								
	13								
4	14								
	15								

Drilling Company: H&P

Drilling Method: Strataprobe

Logged By: K. Green

Sampling Method: Split spoon with acetate sleeve

Date Started: 6/20/05

Date Ended: 6/20/05

Boring Diameter: 2.0"

Total Depth: 10.0 ft.

3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806-6816

BORING NUMBER: B21

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Long Beach Public Service Yard
1601 San Francisco Ave.
Long Beach, CA

JOB NUMBER: 01204007.02

REMARKS:

Depth		Sample Information					Graphic Log	Description	Completion Detail
meters	feet	Sample Location	Sample Number	Blow Counts	OVM (ppm)	USCS Soil Class.			
0	0							Surface - asphalt	0
	1		B21-1'		3.5	SM		1' - Gray, silty sand, micaceous, moist, no odor	
	2								
	3								
-1	4								
	5		B21-5'		33.0	SM		5' - Gray, silty sand, micaceous, moist, no odor	5
	6								
-2	7								
	8								
	9								
-3	10								10
	11								
	12								
-4	13								
	14								
	15								

Drilling Company: H&P

Drilling Method: Strataprobe

Logged By: K. Green

Sampling Method: Split spoon with acetate sleeve

Date Started: 6/20/05

Date Ended: 6/20/05

Boring Diameter: 2.0"

Total Depth: 5.0 ft.

STANDARD_LOG_01204007_02A.GPJ STD_LOG.GDT 6/24/05

3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806-6816

BORING NUMBER: B22

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Long Beach Public Service Yard
1601 San Francisco Ave.
Long Beach, CA

JOB NUMBER: 01204007.02

REMARKS:

Depth		Sample Information					Graphic Log	Description	Completion Detail
meters	feet	Sample Location	Sample Number	Blow Counts	OVM (ppm)	USCS Soil Class.			
0	0							Surface - asphalt	0
	1		B22-1'		4	ML		1' - Gray silt, moist	
	2								
	3								
1	4								
	5		B22-5'		35	SM		5' - Gray sand/silt, moist	5
	6								
2	7								
	8								
	9								
3	10								10
	11								
	12								
4	13								
	14								
	15								

Drilling Company: **H&P**

Drilling Method: **Strataprobe**

Logged By: **K. Green**

Sampling Method: **Split spoon with acetate sleeve**

Date Started: **6/20/05**

Date Ended: **6/20/05**

Boring Diameter: **2.0"**

Time Started: **14:35**

Total Depth: **5.0 ft.**

STANDARD_LOG_01204007_02A.GPJ STD_LOG.GDT 6/24/05

3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806-6816

BORING NUMBER: B23

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Long Beach Public Service Yard
1601 San Francisco Ave.
Long Beach, CA

JOB NUMBER: 01204007.02

REMARKS:

Depth		Sample Information					Graphic Log	Description	Completion Detail
meters	feet	Sample Location	Sample Number	Blow Counts	OVM (ppm)	USCS Soil Class.			
0	0							Surface - asphalt	0
	1		B23-1'			ML		1' - Gray silt, moist, no odor	
	2								
	3								
1	4								
	5		B23-5'			ML		5' - Gray, clayey silt, wet, no odor	5
	6								
2	7								
	8								
	9								
3	10								10
	11								
	12								
4	13								
	14								
	15								

Drilling Company: **H&P**

Drilling Method: **Strataprobe**

Logged By: **K. Green**

Sampling Method: **Split spoon with acetate sleeve**

Date Started: **6/20/05**

Date Ended: **6/20/05**

Boring Diameter: **2.0"**

Total Depth: **5.0 ft.**

3900 Kilroy Airport Way, Suite 100
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BORING NUMBER: B24

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Long Beach Public Service Yard
1601 San Francisco Ave.
Long Beach, CA

JOB NUMBER: 01204007.02

REMARKS:

Depth		Sample Information					Graphic Log	Description	Completion Detail
meters	feet	Sample Location	Sample Number	Blow Counts	OVM (ppm)	USCS Soil Class.			
0	0							Surface - concrete	0
	1								
	2								
	3								
1	4								
	5		B24-5'		1.3	ML		5' - Gray-brown, sandy silt, micaceous, medium dense, moist no odor	5
	6								
2	7								
	8								
	9								
3	10		B24-10'		731	SM		10' - Gray sand/silt mix, soft, moist, hydrocarbon odors	10
	11								
	12								
	13								
4	14								
	15								

Drilling Company: H&P

Drilling Method: Strataprobe

Logged By: K. Green

Sampling Method: Split spoon with acetate sleeve

Date Started: 6/21/05

Time Started: 13:45

Date Ended: 6/21/05

Time Ended: 14:00

Boring Diameter: 1.5"

Total Depth: 10.0 ft.

3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806-6816

BORING NUMBER: B25

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Long Beach Public Service Yard
1601 San Francisco Ave.
Long Beach, CA

JOB NUMBER: 01204007.02

REMARKS:

Depth		Sample Information					Graphic Log	Description	Completion Detail
meters	feet	Sample Location	Sample Number	Blow Counts	OVM (ppm)	USCS Soil Class.			
0	0							Surface - concrete	0
	1		B25-1'		NA	SM		1' - Gray-brown, silty sand, medium dense, slightly moist, no odor	
	2								
	3								
1	4								
	5		B25-5'		3.7	SM		5' - Gray sand with angular gravel, silty, medium dense, slightly moist, no odor	5
	6								
	7								
2	8								
	9								
	10		B25-10'		1759	SP		10' - Dark gray, fine sand, micaceous, medium dense, moist, hydrocarbon odor	10
	11								
	12								
	13								
4	14								
	15								

Drilling Company: **H&P**

Drilling Method: **Strataprobe**

Logged By: **K. Green**

Sampling Method: **Split spoon with acetate sleeve**

Date Started: **6/21/05**

Date Ended: **6/21/05**

Boring Diameter: **1.5"**

Time Started: **13:00**

Time Ended: **14:00**

Depth to Water: **13.6 ft.**

Total Depth: **15.0 ft.**

SCS ENGINEERS

BORING LOG

3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806-6816

BORING NUMBER: B26

Page 1 of 1

Long Beach Public Service Yard
1601 San Francisco Ave.
Long Beach, CA

JOB NUMBER: 01204007.02

REMARKS:

Depth		Sample Information					Graphic Log	Description	Completion Detail	
meters	feet	Sample Location	Sample Number	Blow Counts	OM (ppm)	USCS Soil Class.				
0	0							Surface - grass	0	
	1									
	2									
	3									
1	4									
	5		B26-5'		2.4	ML		5' - Brown silt with roots, medium dense, dry, no odor	5	← Bentonite chips
	6									
2	7									
	8									
	9									
3	10		B26-10'		500	SM		10' - Gray sand/silt mix, micaceous, soft, moist, hydrocarbon odor	10	
	11									
	12									
4	13									
	14									
	15									

Drilling Company: **H&P**

Drilling Method: **Strataprobe**

Logged By: **K. Green**

Sampling Method: **Split spoon with acetate sleeve**

Date Started: **6/21/05**

Time Started: **14:25**

Date Ended: **6/21/05**

Time Ended: **14:40**

Boring Diameter: **1.5"**

Total Depth: **10.0 ft.**

STANDARD_LOG_01204007_02A.GPJ STD_LOG.GDT 6/24/05

**GROUNDWATER INVESTIGATION REPORT
FORMER LONG BEACH CITY TOW YARD
901 WEST ANAHEIM
(APN 7271-007-902)
LONG BEACH, CALIFORNIA
(LARWQCB NO. 908130498)**

Prepared for:

City Attorney of the City of Long Beach
c/o Overland, Pacific & Cutler, Inc.
100 West Broadway, Suite 500
Long Beach, California 90802
(562) 431-6789

Prepared by:

SCS Engineers
3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806
(562) 426-9544

October 17, 2005

File No. 01204007.02



SCS ENGINEERS

November 8, 2005
Job No. 01204007.02

Mr. Gregg Kwey
Senior Water Resource Control Engineer
Regional Water Quality Control Board
320 West 4th Street, Suite 200
Los Angeles, CA 90013
(213) 576-6702

**SUBJECT: GROUNDWATER INVESTIGATION REPORT, FORMER LONG BEACH
CITY TOW YARD, 901 WEST ANAHEIM (APN 7271-007-902), LONG
BEACH, CALIFORNIA.**

Dear Mr. Kwey:

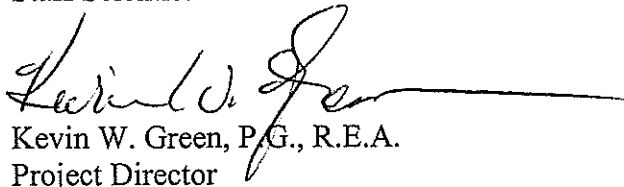
Please find the above-mentioned report enclosed. The subject property is associated with LARWQCB case number 908130498.

Should you have any questions or comments regarding this report, please feel free to contact Kevin Green at (562) 426-9544.

Sincerely,



Tara M. Holmes
Staff Scientist



Kevin W. Green, P.G., R.E.A.
Project Director
SCS ENGINEERS

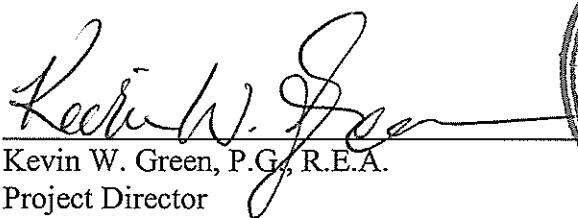
Enclosures -- Groundwater Investigation Report

Cc: Mr. John Cutler
Overland, Pacific & Cutler, Inc.
100 West Broadway, Suite 500
Long Beach, CA 90802
(562) 431-6789

This Groundwater Investigation Report for the former Long Beach City Tow Yard site, dated October 17, 2005, was prepared and reviewed by the following:



Tara M. Holmes
Staff Scientist



Kevin W. Green, P.G., R.E.A.
Project Director
SCS ENGINEERS



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- 10 Groundwater Elevation Map
- 11 Map Showing TPH-g Concentrations in Groundwater Samples Collected from Monitoring Wells on August 11, 2005 (mg/L).

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- 1 Summary of Groundwater Elevation Data
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- A Long Beach Health Department Well Permit
- B Boring Logs
- C Monitoring Well Survey Data
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- E Groundwater Sampling Records
- F Advanced Technology Laboratories Analytical Reports
- G American Environmental Testing Laboratory, Inc. Analytical Report



LIMITATIONS/DISCLAIMER

This report has been prepared specifically for Overland, Pacific & Cutler, Inc., on behalf of the City Attorney of the City of Long Beach, with application to assessing potential soil and groundwater impacts in the vicinity of a former underground storage tank located at the former Long Beach City Tow Yard, 901 West Anaheim, Long Beach, California. This report has been prepared in accordance with the care and skill generally exercised by reputable professionals, under similar circumstances, in this or similar localities. No other warranty, expressed or implied, is made as to the professional opinions presented herein. No other party, known or unknown to SCS is intended as a beneficiary of this work product, its content or information embedded therein. Third parties use this report at their own risk.

Changes in site use and conditions may occur due to variations in rainfall, temperature, water usage, economic, or other factors. It is possible that additional information exists beyond the scope of this investigation. Additional information that was not available to the consultant at the time of this investigation or changes that may occur on the site or in the surrounding area may result in modification to the site that would impact the summary and recommendations presented herein. This report is not a legal opinion.



**GROUNDWATER INVESTIGATION REPORT
FORMER LONG BEACH CITY TOW YARD
901 WEST ANAHEIM
(APN 7271-007-902)
LONG BEACH, CALIFORNIA
(LARWQCB NO. 908130498)**

INTRODUCTION

SCS Engineers (SCS) was retained by Overland, Pacific & Cutler, Inc., on behalf of the City Attorney of the City of Long Beach, to conduct soil and groundwater investigation activities in the vicinity of a former underground storage tank (UST) located within the former 14th Street right-of-way immediately north of the former Long Beach City Tow Yard at 901 West Anaheim in Long Beach, California (the "Property"). A map showing the project site location is provided as Figure 1; a map of the project site showing the location of the former UST is provided as Figure 2. Petroleum hydrocarbon-impacted soils were identified in this area during previous investigations.

This current investigation was conducted in accordance with a workplan prepared by The Reynolds Group (TRG), which was approved by the Los Angeles Regional Quality Control Board (RWQCB) in a letter dated February 19, 2002.

BACKGROUND

A *Workplan to Advance Geoprobes and Install Groundwater Monitoring Wells* prepared by TRG, dated November 15, 2001 and submitted to the Los Angeles Regional Water Quality Control Board (RWQCB), was reviewed by SCS as a part of an environmental assessment for this city of Long Beach. The workplan indicated that a 550-gallon underground storage tank (UST) that reportedly contained gasoline, and associated piping were removed from the Property on August 30, 1995. According to TRG, an *Underground Storage Tank Closure Report*, dated November 2, 1995, prepared by Maness Environmental Service, Inc., indicated that two soil samples were collected during the tank removal: one from below the UST excavation and one from a stockpile. Based on data tabulated in the TRG report, laboratory analytical results indicated that gasoline-range organics at a concentration of 7,500 mg/kg (mg/kg or parts per million [ppm]) were detected in soils beneath the UST. Groundwater was reportedly encountered at 8 to 10 feet below ground surface (bgs) during the tank excavation.

According to the TRG workplan a *Final Site Characterization Report for the Phase II Environmental Assessment of Gasoline-Impacted Soils by Epics International* was prepared by Epics International and indicated that six soil borings (B1-B6; labeled as TRGB1 Through TRGB6 on maps and tables [Figures 2]) were advanced to depths ranging from five to thirteen feet bgs in the area surrounding the former UST. Reportedly, thirteen soil samples (two from each boring - one shallow and one deep - plus a third from B2), and five groundwater samples (from



the ten-foot depth of each boring except for B4), were collected and analyzed. Three additional soil samples were collected: One from each of the north and south sidewalls of the excavation at a depth of six feet bgs, and one from under the center of the excavation at a depth of 10 feet bgs.

Laboratory analyses from the Epics International investigation reportedly detected gasoline-range organics (TPH-g, C₄-C₁₂) and diesel-range organics (TPH-d, C₁₃-C₂₂) in soil (concentrations up to 5,500 mg/kg for TPH-g, and 530 mg/kg for TPH-d) and groundwater (concentrations up to 3,400 milligrams per liter [mg/L] for TPH-g, and 600 mg/L for TPH-d). As reported in the TRG workplan, benzene, toluene, ethyl benzene, and xylenes (BTEX) were also detected in soils at concentrations up to 27, 48, 110, and 540 mg/kg, respectively. Additionally, BTEX was detected in groundwater with concentrations up to 18, 42.4, 108, and 703 mg/L, respectively. The highest concentrations of TPH-g, TPH-d and BTEX in soils were found at the B5 location. The highest concentrations of TPH-g, TPH-d, ethyl benzene, and xylenes in groundwater were found at the B1 location; and the highest concentrations of benzene and toluene in groundwater were detected at the B5 location.

TOPOGRAPHIC, GEOLOGIC, AND HYDROLOGIC INFORMATION

Physiographic Setting

According to the U.S. Geological Survey (USGS), Long Beach (1964, photorevised 1981), California 7.5 minute topographic map, the Property is located immediately east of the Los Angeles River at an elevation of approximately five feet above mean sea level, about 1.3 miles north of San Pedro Bay. Regional topography is relatively flat with a gentle slope to the west.

Geology and Soils

Geologic maps indicate that surface sediments in the area are Quaternary alluvium and coastal deposits of silt, sand, and gravel that are underlain by the late Pleistocene Lakewood Formation. The Lakewood Formation, which consists of gravel, sand, sandy silt, silt and clay with shale pebbles, extends to a depth of approximately 100 feet (California DWR, Bulletin No.104). Sediments below the Lakewood Formation belong to the late Pleistocene San Pedro Formation.

Groundwater

The Property is located in the southern portion of the West Coast Groundwater Basin. The first regional groundwater aquifer is the Gaspar, which immediately overlies the Lakewood Formation. First groundwater in the vicinity of the Property is approximately 10 feet below grade (DWR, June 1961). There are no known regional groundwater contamination problems in this area. However, shallow groundwater has locally been impacted by saltwater intrusion; therefore, it is not used as a drinking water source. Groundwater flow direction is anticipated to be generally westerly towards the Los Angeles River/Flood Control Channel adjacent to the Property. Shallow groundwater beneath the Property may be tidally influenced by the river in this area.

SITE INVESTIGATION

Soil and Groundwater investigation activities were conducted in accordance with TRG's *Workplan to Advance Geoprobes and Install Groundwater Monitoring Wells* approved by the RWQCB in a letter dated February 19, 2002. Prior to conducting investigation activities, a permit (Permit No. 1128) was issued to SCS by the City of Long Beach Department of Health and Human Services (LBDHHS). A copy of the permit is included in Appendix A.

Geophysical Survey

Prior to any subsurface sampling by SCS on June 13, 2005, Goldak of Glendale, California, conducted a geophysical survey of the former UST area; Goldak screened the boring locations using equipment capable of detecting metallic objects, magnetic anomalies, electric power cables, and other underground obstructions. No anomalies were detected at any proposed boring locations.

Soil Sample Collection and Analysis

On June 21, 2005, six borings (SCSB7 through SCSB12) were advanced to a depth of 14 feet bgs using a truck-mounted direct-push rig operated by H&P Mobile Geochemistry (H&P). As shown in Figure 2, the SCS borings were positioned in a circular fashion approximately 15 to 20 feet away from borings TRGB1 through TRGB6, in the direction leading away from the former UST.

Twelve soil samples were collected (one from the 5-foot depth and one from the 10-foot depth at each boring location) and analyzed for TPH-g using EPA Method 8015 Modified and for VOCs and oxygenates using EPA Method 5035/8260B. The samples were submitted to state-certified ATL laboratory for analysis.

Sediments encountered during drilling generally consisted of gray, greenish-gray, or brown silt, sand, and clay, or mixtures thereof. Groundwater was encountered at approximately 12 feet bgs. Obvious signs of hydrocarbon contamination (odors and discolored soils) were observed in each of the six borings. Boring logs are provided in Appendix B.

Groundwater Grab-Sample Collection and Analysis

Six groundwater grab-samples were also collected on June 21, 2005 (one from each boring location). Groundwater grab-samples were collected by H&P under SCS oversight using a stainless steel bailer. Samples were analyzed by ATL for TPH-g using EPA Method 8015M, and for VOCs and oxygenates using EPA Method 8260B.

Monitoring Well Installation, Development and Monitoring

On July 27, 2005, three groundwater monitoring wells were installed on the Property in the area of the former UST by Layne Christensen Company (Layne) of Fontana, California, under SCS



oversight. The wells were extended to a depth of 20 feet bgs and were designated MW1 through MW3 (Figure 2). During the installation, three soil samples were collected from each well location: one at 5 feet bgs, one at 9 feet bgs (approximately two feet above the water table), and one from 13 feet bgs (approximately two feet below the water table).

On July 28, 2005 the wells were developed by Layne under the oversight of SCS.

On August 10, 2005, the wells were surveyed by Dulin and Boynton Licensed Surveyors, Inc., of Signal Hill, California. Survey information is included in Appendix C.

Samples of groundwater were collected from MW1-MW3 on August 10, 2005. Samples were analyzed for TPH-g, TPH-d, and heavy-range hydrocarbons using EPA Method 8015M, and for VOCs including BTEX, methyl tertiary-butyl ether (MTBE), diisopropyl ether (DIPE), ethyl tertiary butyl ether (ETBE), and tertiary amyl methyl ether (TAME) using EPA Method 8260B.

As shown in Figure 10, the groundwater data indicates that in the area of the former UST, groundwater flow was toward the southeast. The groundwater gradient on August 10, 2005 was approximately 0.007 feet per foot of horizontal distance. Groundwater elevation data are summarized in Table 1.

Materials and Methods

Soil Sampling

Soil samples collected from borings SCSB7 through SCSB12 were obtained using a Strataprobe direct-push rig equipped with a hydraulic hammer and a two-foot long, 2-inch diameter split-spoon sampler. A pointed steel tip was fixed to the head of the split-spoon sampler and driven to the desired depth on a steel rod. Samples were collected by retracting the drive tip through the center of the sample with an inner rod, and hydraulically hammering the sampler an additional two feet. Samples from each boring were recovered in two-foot long, pre-cleaned plastic acetate sleeves. An approximately 6- to 12-inch section was cut from the sample sleeve and retained for laboratory analysis. Immediately following soil sample collection, both ends of each acetate sample sleeve were covered with Teflon squares, capped with plastic end caps, and sealed with solvent-free polyethylene tape.

Soil samples collected during the installation of groundwater monitoring wells were obtained using a CME-75 hollow-stem auger drill rig. Soil samples were collected from prescribed depths using an 18-inch long, 1.25-inch diameter split-spoon sampler on the end of a steel rod which was driven approximately 18-inches through the open center of the hollow-stem augers. The bottom-most intact sleeve was quickly retained for subsequent laboratory analysis. Following sample collection both ends of the sample sleeve were covered with a Teflon square and capped with plastic end caps then secured with non-volatile tape. Standard three stage decontamination procedures were used for all sampling equipment, including sample sleeves and samplers, between each sampling depth.

A solvent-free label noting the date of collection, sample number, and project number was affixed to each soil sample. Immediately following labeling, samples were placed in a chilled cooler for later transport to Advanced Technology Laboratories (ATL) of Signal Hill, California for analysis.

Soil samples designated for analysis of VOCs (by EPA Method 8260) were prepared in the field using EPA Method 5035, which includes the collection of three 5-gram aliquots of soil from each soil sample using a plunger/sub-sampler provided by the laboratory. The three aliquots of soil were immediately placed into 40 milliliter volatile organic analysis (VOA) vials as follows: two aliquots in VOAs with a sodium bisulfate preservative, and one in a methanol preservative.

Additional soil was collected for field observation by an SCS geologist. Soil samples used for lithologic descriptions were obtained from sample sleeves immediately adjacent to the samples collected for laboratory analysis; these samples were placed in Ziplock baggies. Additionally, each of the samples was analyzed in the field using a Photo-Ionization Detector (PID), which detects organic vapors emitted into the headspace of the Ziplock bags.

Following sample collection, borings were backfilled with bentonite chips and capped with asphalt.

Groundwater Grab-Sampling

For groundwater grab-samples collected from borings SCSB7 through SCSB12, a temporary 1-inch diameter PVC well casing was installed into each open borehole. A pre-cleaned steel bailer was used to collect samples for VOC analysis. To minimize the potential loss of VOCs, the water was slowly and carefully poured from the bailer into 40-milliliter glass VOA vials with hydrochloric acid preservative. The VOAs were quickly capped and checked to ensure that no air bubbles were present. Upon collecting each sample, a sample label was affixed to each sample container denoting sample location, date, and time, and placed into a chilled cooler for transport to ATL for analysis.

Well Installation and Groundwater Sampling of MW1, MW2, and MW3

Each of the three wells was installed to a depth of 20 feet. The wells were constructed using 4-inch diameter schedule 40 PVC, which was set within a 12-inch borhole. The PVC in the perforated zone of the well was factory slotted (0.010 inches) and extended from five feet bgs to 20 feet bgs. Filter pack (#2/16 sand) was placed around the PVC from 4 feet bgs to 20 feet bgs. A sanitary seal of hydrated medium sized bentonite chips were placed around the PVC from the surface of the well to the top of the sand. Each well was completed at the surface with a one-foot diameter steel, traffic-rated well box with a bolted lid to prevent incidental damages or liability. A well construction detail is provided in Appendix D.

For well development, each of the wells was surged for approximately 20 minutes then bailed continuously until dry; as recharge in the area is slow. The process was repeated a second time for each well.

On the day of monitoring, prior to purging for sample collection, static water levels for the wells were measured to the nearest 0.01-foot from a reference point on each well casing using a Roctest electronic water level indicator.

Wells were purged and sampled using a QED Micropurge low-volume pump at a rate of approximately 250 milliliters per minute until field parameters stabilized. During purging, temperature, conductivity, pH, and dissolved oxygen were measured using a QED flow through cell, and turbidity using a Horiba handheld field meter. Field sampling data sheets documenting field parameter measurements, groundwater purge volumes, and field comments are provided in Appendix E.

Groundwater samples were collected in 40 ml glass vials using standard sampling protocols to minimize turbulence and avoid air bubbles. Samples were labeled, and placed in a chilled ice chest and transported to American Environmental Testing Laboratory, Inc. (AETL), located in Burbank, California. In accordance with the approved workplan, groundwater samples were analyzed for total petroleum hydrocarbons using EPA Method 8015, and BTEX and fuel oxygenates using EPA Method 8260B.

Prior to any purging and between wells, the pump was thoroughly cleaned with a Liquinox solution, tap water rinsed, and finally rinsed with distilled water. A new discharge hose was dedicated to this sampling episode. All water removed from wells during sampling and development was stored on-site in sealed, labeled 55-gallon drums for later disposal.

ATL and AETL are certified by the California Department of Health Services to conduct the specified analyses. All soil and groundwater samples were tracked from the point of collection through the laboratory using standard chain-of-custody protocol.

ANALYTICAL RESULTS

Copies of the ATL and AETL laboratory reports, including quality assurance/quality control and chain-of-custody documentation, are provided in Appendices F and G, respectively. Analytical results are summarized in Tables 2 and 3.

Soil

As shown in Table 2, TPH-g was detected in eight of the 21 soil samples collected by SCS at concentrations ranging from 77 mg/kg (SCSB11) to 1,500 mg/kg (SCSB8). Figures 4 and 5 show contours for TPH-g in soil, based on the analytical results for the five-foot and ten-foot depths, respectively.

Twelve of the 21 soil samples collected had detectable concentrations of VOCs. The compound names and concentrations detected are provided in Table 2. As shown, the highest concentrations were found in the SCSB8 boring. Figures 6 and 7 show contours for benzene in soil, based on the analytical results for the five-foot and ten-foot depths, respectively.

Groundwater Grab-Samples

As shown in Table 3, low concentrations of TPH-g were detected in two of the six groundwater grab-samples collected from SCSB7-SCSB12. The concentrations of TPH-g were 6.8 and 1.1 mg/L for SCSB7 and SCSB8, respectively. Figure 8 shows contours for TPH-g in grab-samples, based on the analytical results.

Groundwater grab-samples from four of the six borings also contained detectable concentrations of VOCs, details of which are provided in Table 3. Figure 9 shows contours for benzene in grab-samples, based on the analytical results.

Groundwater Sampling of MW1, MW2, and MW3

Low concentrations of TPH-g, 0.189 and 0.024 mg/L, were detected in groundwater samples collected from monitoring wells MW1 and MW3, respectively. A map showing the well locations and TPH-g concentrations is provided as Figure 11.

Ethylbenzene and xylenes were also detected at very low concentrations in the groundwater sample from MW1, at 1.2 and 4.8 µg/L, respectively. Additionally, fuel oxygenates MTBE and TBA were detected in the groundwater sample from MW3, at 3.9 and 38.8 µg/L, respectively (Table 3).

TPH-d and heavy-range hydrocarbons were not detected in any of the groundwater samples collected from the monitoring wells.

RWQCB SOIL SCREENING LEVELS

The Los Angeles Regional Water Quality Control Board (RWQCB) has established cleanup guidelines, also known as soil screening levels (SSLs), for hydrocarbon-impacted soils based on the potential for groundwater contamination (RWQCB, 1996). Where impacted soils are anticipated less than 20 feet above groundwater (groundwater is at approximately 10 feet bgs at the Property), the SSLs for petroleum hydrocarbons are:

- TPH-g or gasoline-range hydrocarbons (C₄-C₁₂) – 100 mg/kg
- TPH-d or diesel-range hydrocarbons (C₁₃-C₂₂) – 100 mg/kg
- Oil or heavy-range hydrocarbons (C₂₃-C₄₀) – 1,000 mg/kg.

The RWQCB also provides SSLs for fuel-related aromatic compounds (BTEX - benzene, toluene, ethylbenzene, and xylenes) in soils. Since impacted soils are in contact with



groundwater, the lowest SSLs would be applicable. The SSLs for BTEX constituents in soil at the Property would be as follows:

- Benzene – 0.011 mg/kg
- Toluene – 0.15 mg/kg
- Ethylbenzene – 0.7 mg/kg
- Total xylenes – 1.75 mg/kg.

These SSLs are provided in Table 2, along the summary of analytical results for soils. These values should be used as generally guidelines only. Since groundwater has been impacted at the Property, alternative cleanup levels for soils may be required by, or acceptable to, the RWQCB.

PRELIMINARY REMEDIATION GOALS

Human health risks from petroleum hydrocarbon-impacted soils in California are often evaluated using either of two methods:

- A comparison with US EPA Region 9 Preliminary Remediation Goals (PRGs)
- Completion of a site-specific Health Risk Assessment (HRA).

The PRGs are risk-based values used for evaluating contaminant concentrations under various exposure scenarios (i.e., residential and industrial). PRGs are calculated using EPA toxicity values and “standard” exposure factors to estimate contaminant concentrations in environmental media (soil, air and water) that are considered protective of humans over a lifetime. The PRGs are chemical concentrations that correspond to a fixed level of risk (i.e., either one-in-one million cancer risk, or a noncarcinogenic hazard quotient of 1). As stated in US EPA guidance, PRGs are not intended to be a stand-alone decision making tool. PRGs have been developed for a select list of common specific chemical contaminants; there are no PRGs for classes of chemicals or products such as gasoline, or “TPH.”

Given the caveats listed above, PRGs are useful in screening the relative human health risks associated with specific chemicals identified at contaminated sites. PRGs for the fuel-related VOCs detected during this investigation are provided in Table 2.

CONCLUSIONS

Based on the results of this and previous investigations, SCS concludes the following:

- Soils in the area of the former UST have been impacted with TPH-g, benzene and other VOCs at concentrations above generally accepted regulatory guidelines (i.e., the SSLs and PRGs). Based on our experience with similar sites, remediation of soils will be required by the RWQCB.



- A comparison of Figures 4 and 5 and Figures 6 and 7 shows that the lateral extent of TPH-g and benzene impacts to soil are greater at 10 feet bgs than at 5 feet bgs. This is likely due to the lateral spreading or “pan caking” of TPH-g above groundwater, which was first encountered at approximately 10 feet bgs during drilling.
- The results of groundwater “grab” samples (collected during the “soils” investigation), as shown in Figures 8 and 9, show potential impacts to groundwater. However, groundwater samples recovered from the monitoring wells show much lower concentrations of fuel-related constituents. These data indicate the “grab” samples have overestimated the extent of impacts to groundwater. Continued groundwater monitoring to confirm the initial results is recommended.
- The results of samples collected from monitoring wells indicate only minor impacts to groundwater, that is, less than 0.189 mg/L of TPH-g and traces of ethylbenzene (1.2 ug/L), xylenes (4.8 ug/L), methyl tert butyl ether (MTBE, 3.9 ug/L) and tert butyl alcohol (38.8 ug/L). As shown in Table 3, none of the monitoring well samples contained fuel-related constituents above the maximum contaminant levels (MCLs) for drinking water.

RECOMMENDATIONS

Based on the results of this investigation, SCS recommends:

- Continued groundwater monitoring to establish a baseline of data that can be used to justify closure or “no further action” by the Los Angeles Regional Water Quality Control Board.
- The existing impacts to soil do not appear to have resulted in any significant impact to groundwater. Therefore, any remediation of soils should be conducted in conjunction with proposed future developments, in order that the soil remediation goals are consistent with future use.



REFERENCES

- The Reynolds Group. *Workplan to Advance Geoprobes and Install Groundwater Monitoring Wells*, November 15, 2001.
- Los Angeles Regional Water Quality Control Board. *Interim Site Assessment and Cleanup Guidebook*. May 1996.
- Los Angeles Regional Water Quality Control Board. *Underground Storage Tank Program-Soil And Groundwater Assessment Long Beach City Tow Yard 901 West Anaheim Street, Long Beach (Case #908130498)*, February 19, 2002.
- California Department of Water Resources. *Planned Utilization of the Ground Water Basins of the Coastal Plain of Los Angeles County*. Bulletin No. 104. 1961; reprinted April 1988
- United States Geological Survey, *Long Beach, CA 7.5 Minute Topographic Series Map* (1964, Photorevised 1981).



FIGURES

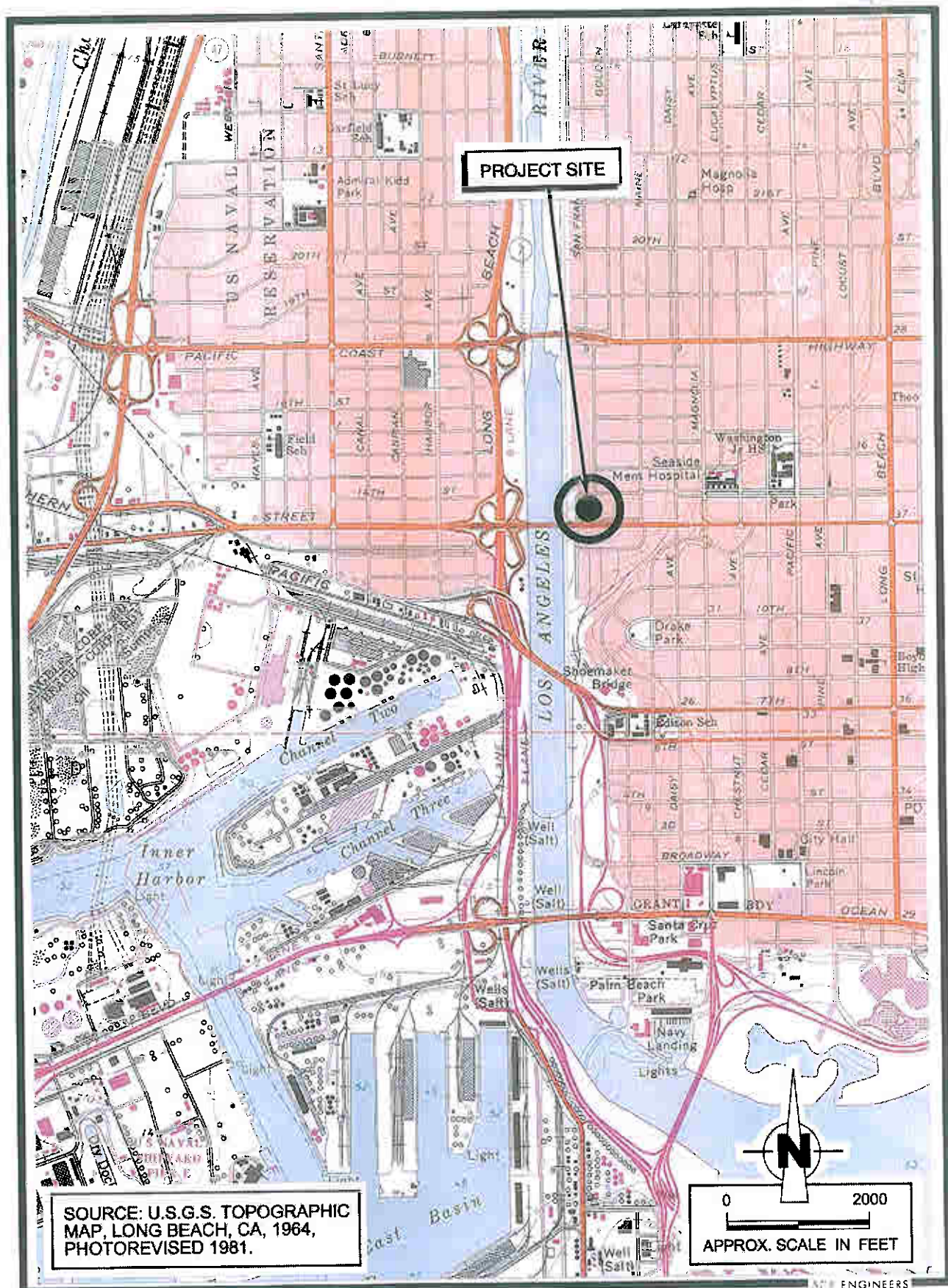


Figure 1. Project Site Location, Former Long Beach City Tow Yard, 901 W. Anaheim, Long Beach, CA

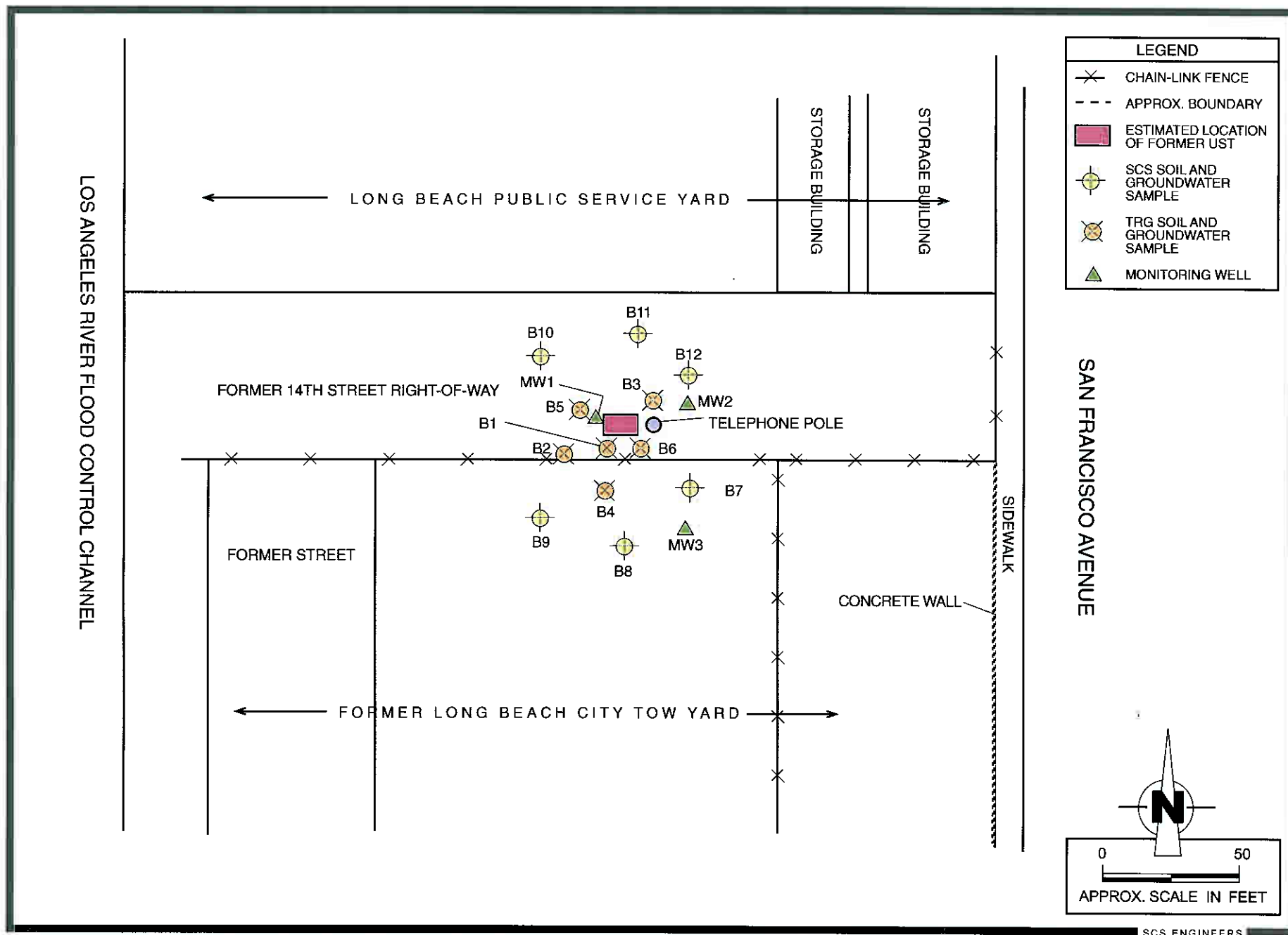


Figure 2. Sketch Map Showing Former UST, Boring and Well Locations, Former Long Beach City Tow Yard, 901 W. Anaheim, Long Beach, CA.

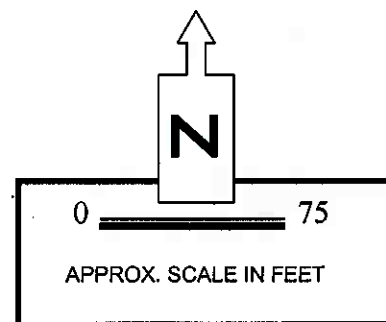
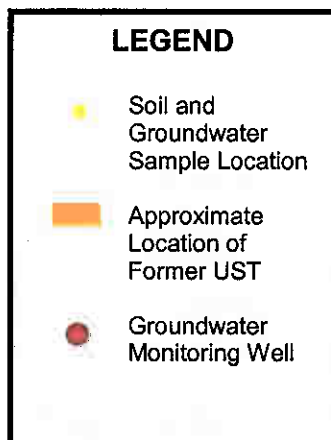
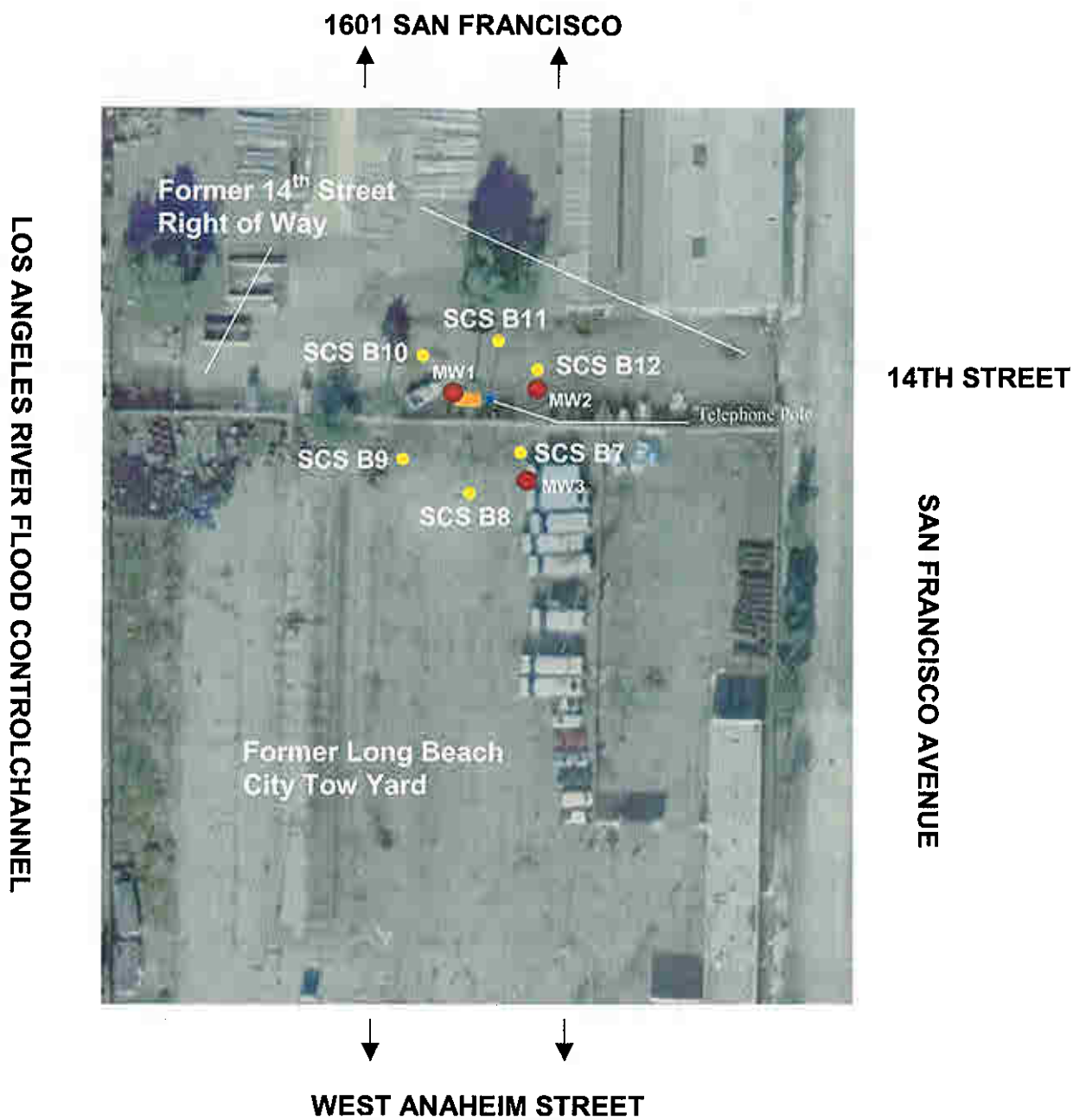


Figure 3. Aerial Photograph Showing Approximate Locations of Former UST, SCS Borings, and Monitoring Wells. Former Long Beach City Tow Yard, 901 W. Anaheim, Long Beach, CA



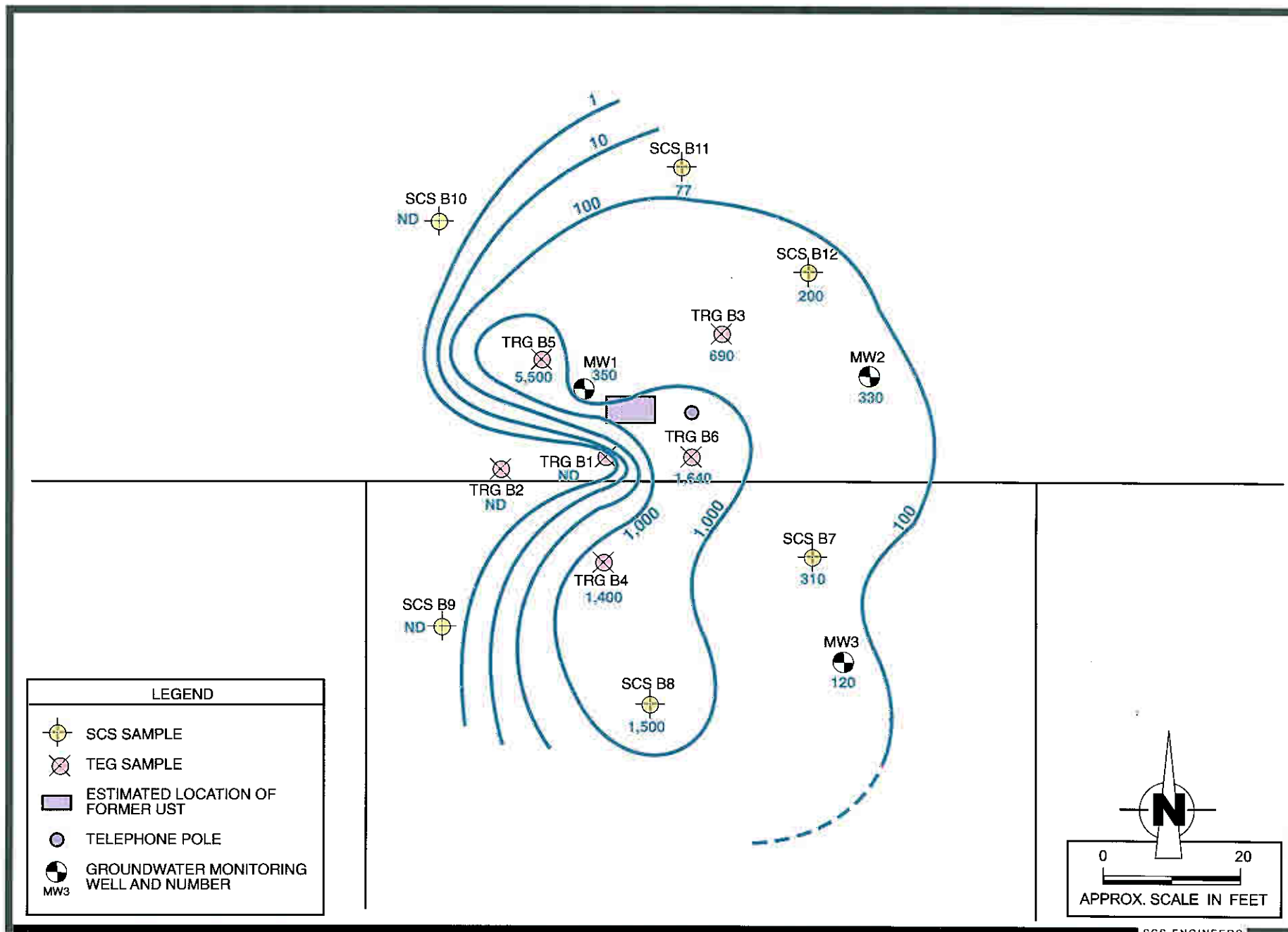


Figure 5. TPH-g Isoconcentration Map for Soils at a Depth of 10 Ft. BGS (mg/kg), Former Long Beach City Tow Yard, 901 W. Anaheim, Long Beach, CA.

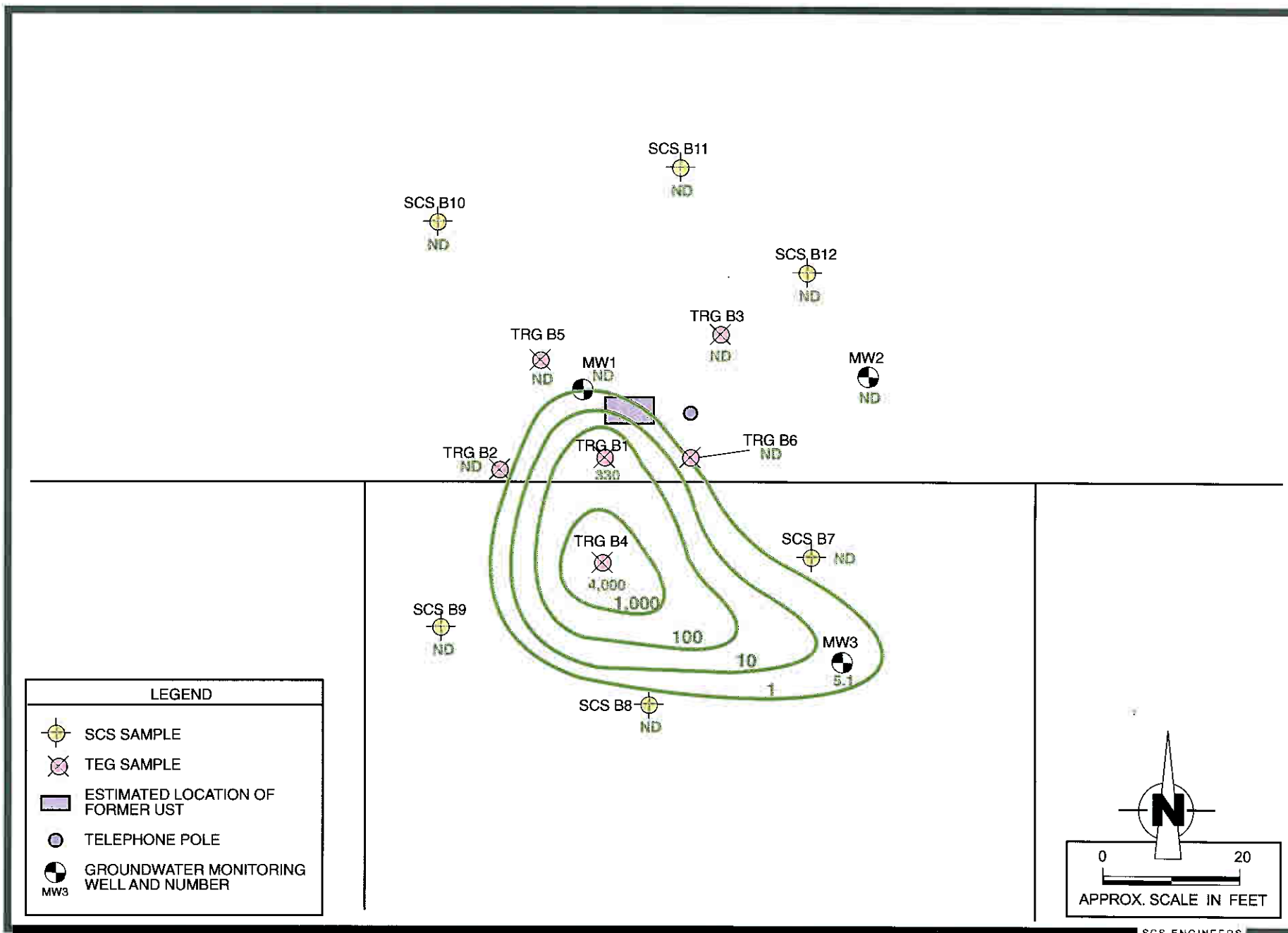


Figure 6. Benzene Isoconcentration Map for Soils at a Depth of 5 Ft. BGS (ug/kg), Former Long Beach City Tow Yard, 901 W. Anaheim, Long Beach, CA.

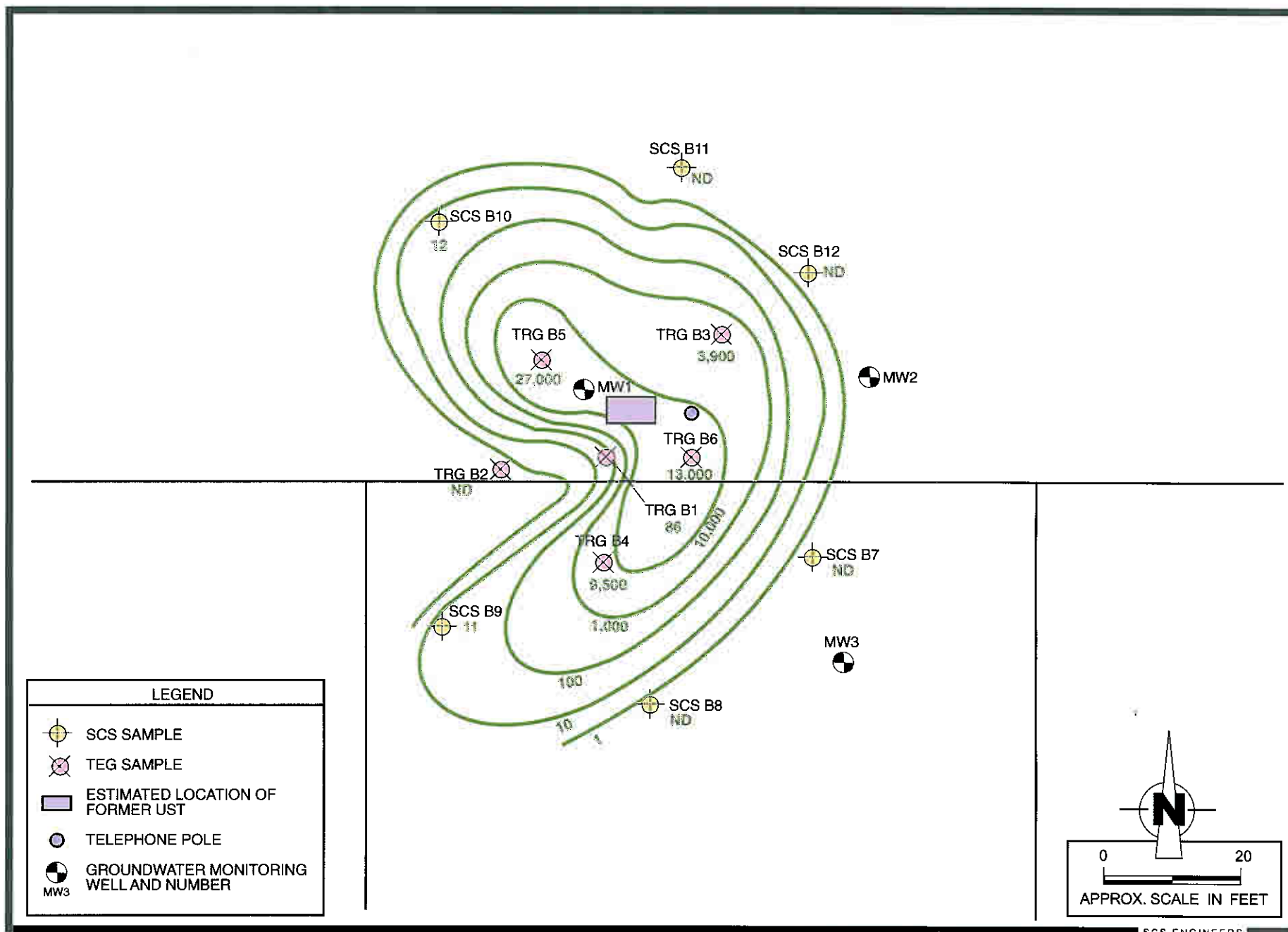


Figure 7. Benzene Isoconcentration Map for Soils at a Depth of 10 Ft. BGS (ug/kg), Former Long Beach City Tow Yard, 901 W. Anaheim, Long Beach, CA.

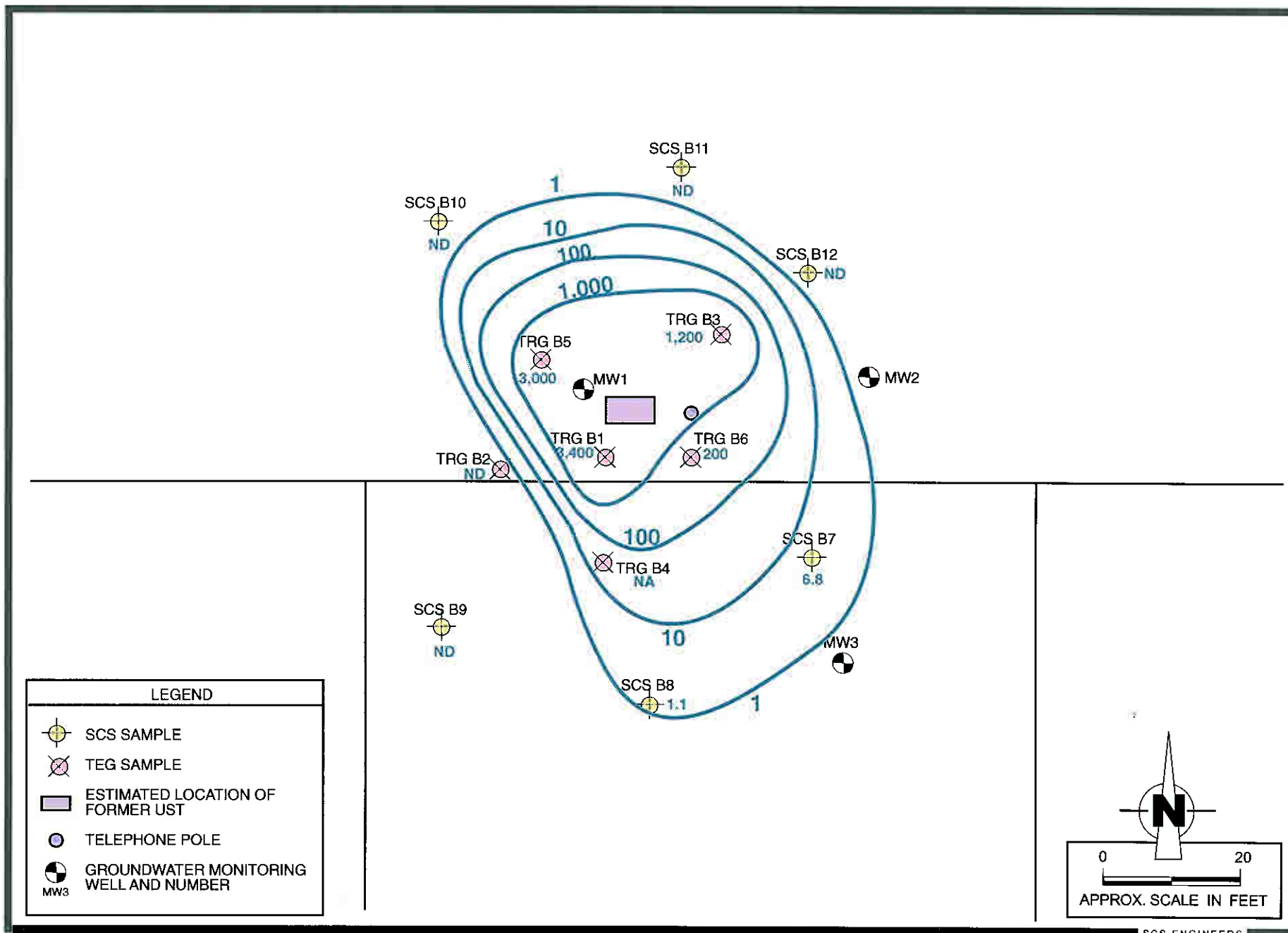


Figure 8. TPH-g Isoconcentration Map for Groundwater Grab Samples (mg/L), Former Long Beach City Tow Yard, 901 W. Anaheim, Long Beach, CA.

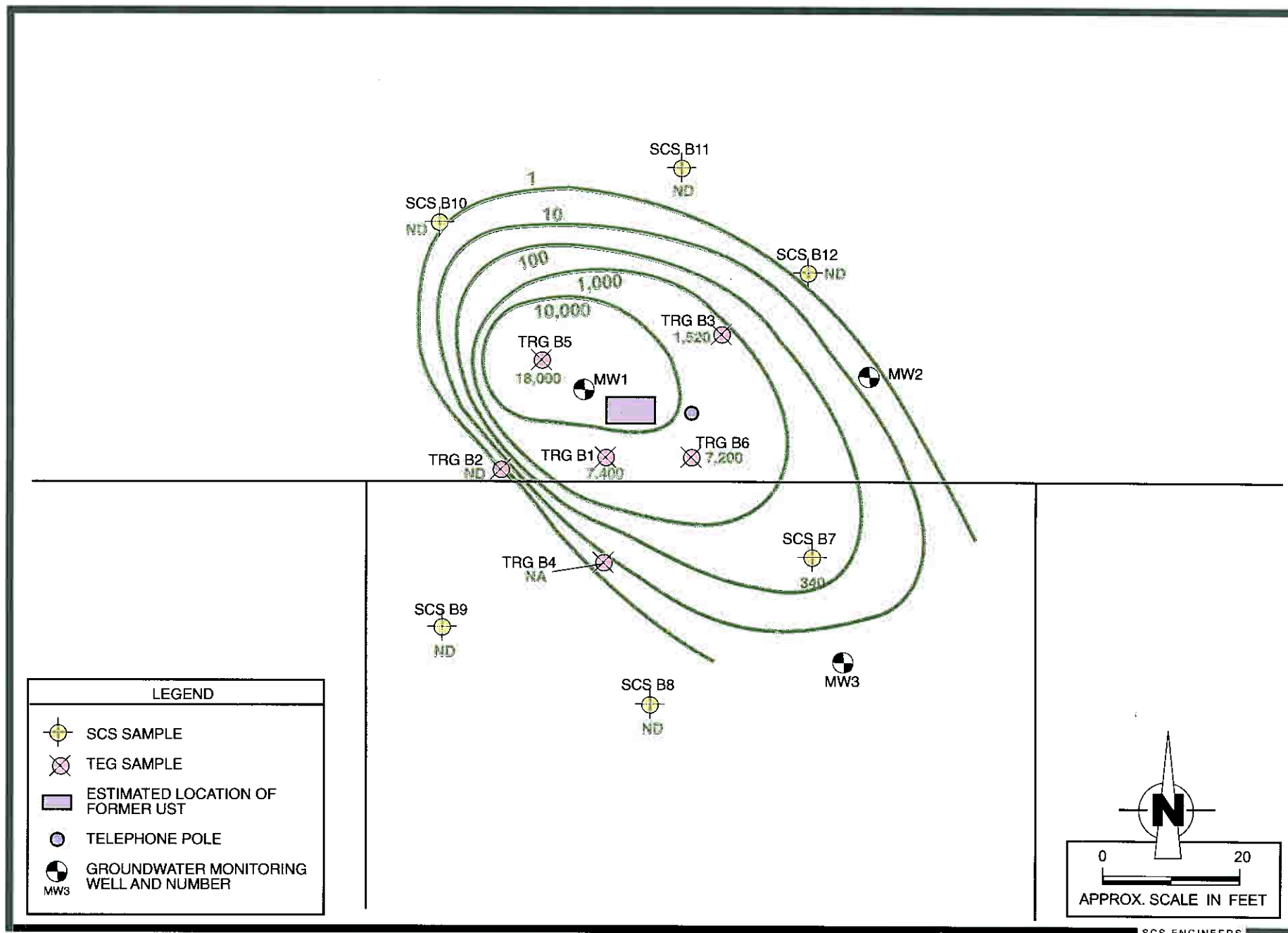


Figure 9. Benzene Isoconcentration Map for Groundwater Grab Samples (ug/L), Former Long Beach City Tow Yard, 901 W. Anaheim, Long Beach, CA.

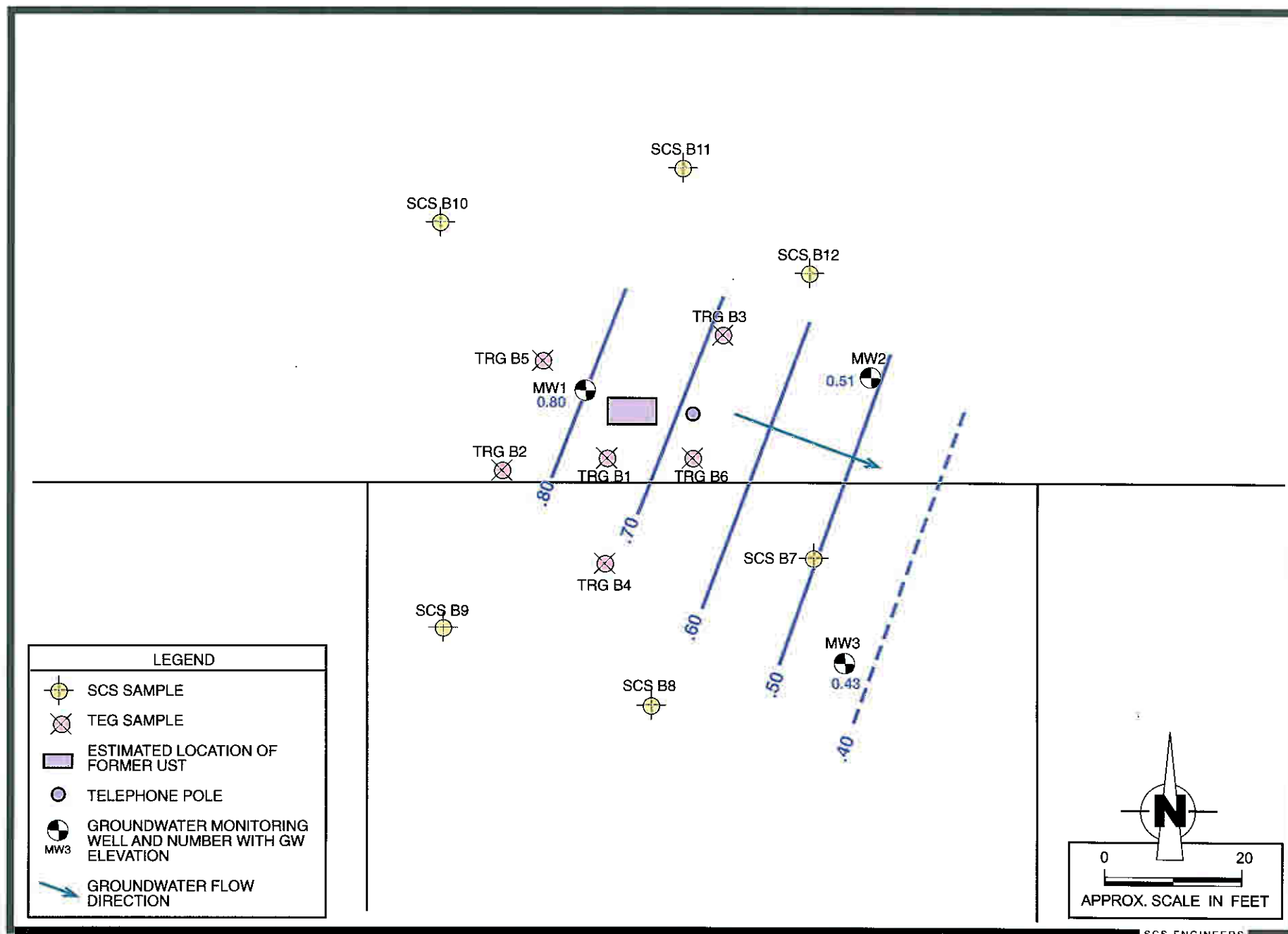


Figure 10. Groundwater Elevation Map, August 11, 2005, Former Long Beach City Tow Yard, 901 W. Anaheim, Long Beach, CA.

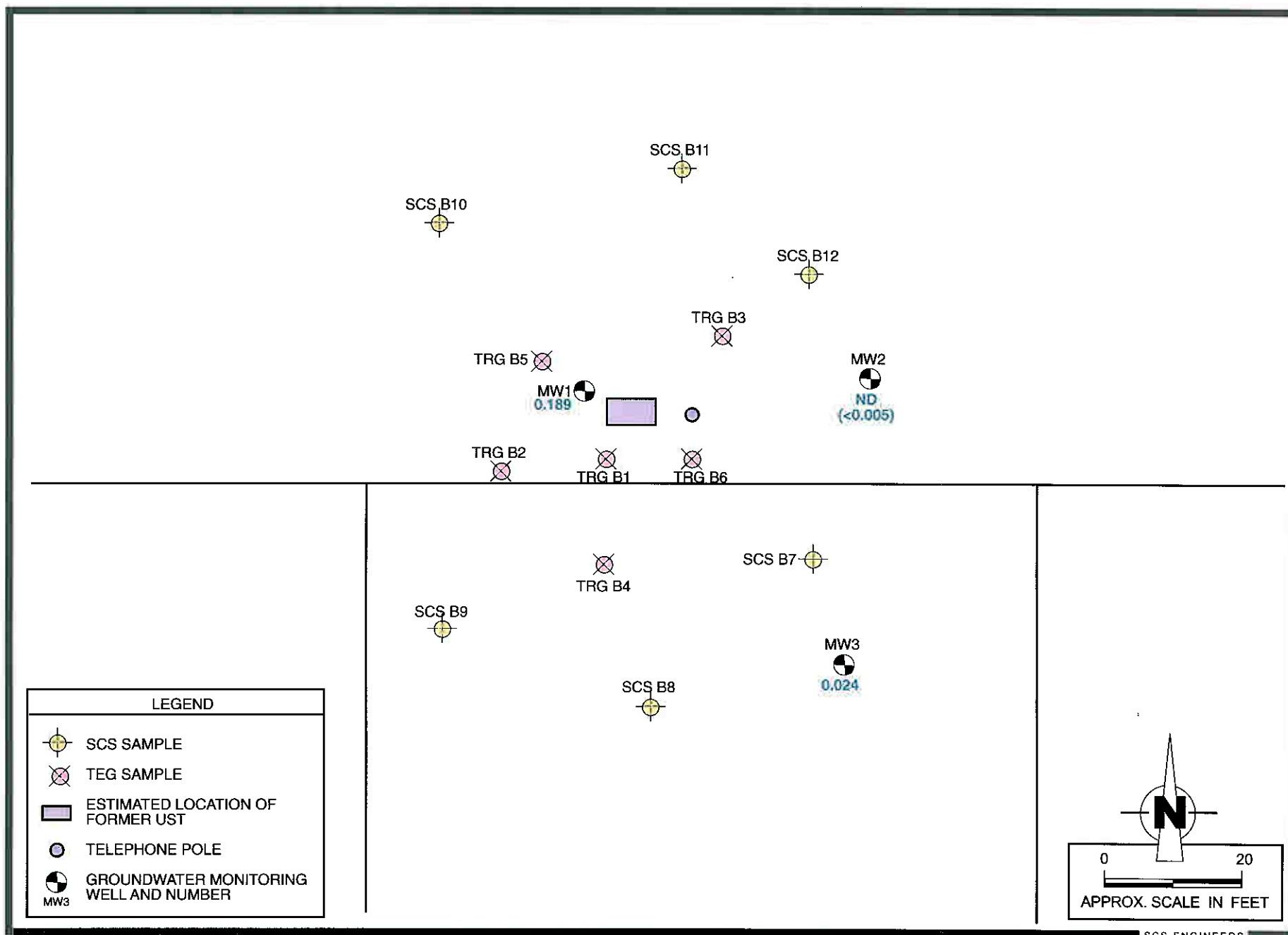


Figure 11. Map Showing TPH-g Concentrations in Groundwater Samples Collected from Monitoring Wells on August 11, 2005 (mg/L), Former Long Beach City Tow Yard, 901 W. Anaheim, Long Beach, CA.

TABLES

TABLE 1
SUMMARY OF GROUNDWATER ELEVATION DATA
LONG BEACH CITY TOW YARD
901 W. ANAHEIM STREET, LONG BEACH, CALIFORNIA

Well No. (Casing Diameter)	Reference Point Elevation* (Ft. above MSL)	Measured Casing Depth (Ft. Below RP)	Perforated Interval (bgs)	Date	Depth to Water (Ft. below RP)	Groundwater Elevation (Ft. Above MSL)
MW-1 (4 in.)	6.79	20	5-20	8/11/2005	5.99	0.80
MW-2 (4 in.)	6.74	20	5-20	8/11/2005	6.23	0.51
MW-3 (4 in.)	7.55	20	5-20	8/11/2005	7.12	0.43

* = Casing reference point elevation. Changes represent resurveys of Reference Points.

RP = Reference Point on Well Casing

MSL = Mean Sea Level.

BGS = Below Ground Surface.

N/A = Not Available. Well dry or obstruction prevented sounding.

No Access = Access to this well was not available.

TABLE 2
SUMMARY OF SOIL ANALYTICAL RESULTS FOR VOLATILE ORGANIC COMPOUNDS AND GASOLINE AND DIESEL RANGE ORGANICS
LONG BEACH CITY TOW YARD
901 W ANAHEIM, LONG BEACH, CALIFORNIA

Sample Number (or Boring ID)	Sample Depth (feet bgs)	Sampling Date	Gasoline Range Organics (C4- C12) [By GC/FID Using EPA Method 8015B(M)]	Diesel Range Organics (C13-C22) [Using EPA Method 8015(M)]	VOLATILE ORGANIC COMPOUNDS (VOCs) (By GC/MS Using EPA Method 5035/8260B for SCS Samples, and EPA M602 for TRG Samples)																
					1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	4-Isopropyltoluene	Benzene	Bromodichloromethane	Dibromochloromethane	Ethylbenzene	Isopropylbenzene	m,p-Xylene	o-Xylene	MTBE	n-Butylbenzene	n-Propylbenzene	Naphthalene	sec-Butylbenzene	Toluene	
			Milligrams per kilogram (mg/kg), equivalent to parts per million	Micrograms per kilogram (µg/kg), equivalent to parts per billion																	
TRGB1	5.5	12/14/95 and 1/18/96	125	42	--	--	--	330	--	--	1,850	--	3,500	--	--	--	--	--	--	330	
	10		ND	ND	--	--	--	86	--	--	320	--	1,600	--	--	--	--	--	150		
TRGB2	5		ND	ND	--	--	--	ND	--	--	ND	--	ND	--	--	--	--	--	ND		
	10		ND	ND	--	--	--	ND	--	--	ND	--	ND	--	--	--	--	--	ND		
TRGB3	5		ND	ND	--	--	--	ND	--	--	ND	--	ND	--	--	--	--	--	--	ND	
	10		ND	ND	--	--	--	ND	--	--	9	--	ND	--	--	--	--	--	--	12	
TRGB4	5		690	29	--	--	--	3,900	--	--	11,000	--	49,000	--	--	--	--	--	--	4,100	
	10		3,350	270	--	--	--	4,000	--	--	8,500	--	320,000	--	--	--	--	--	--	7,000	
TRGB5	5.5		1,400	145	--	--	--	9,500	--	--	30,000	--	150,000	--	--	--	--	--	--	6,600	
	10		3	ND	--	--	--	ND	--	--	50	--	230	--	--	--	--	--	--	ND	
TRGB6	5		5,500	530	--	--	--	27,000	--	--	110,000	--	540,000	--	--	--	--	--	--	48,000	
	10		28	ND	--	--	--	ND	--	--	180	--	ND	--	--	--	--	--	--	ND	
			1,640	140	--	--	--	13,000	--	--	37,000	--	170,000	--	--	--	--	--	14,000		
SCSB7	5	6/21/05	<40	--	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8	<7.6	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8		
	10		310	--	1,800	930	390	<190	<190	<190	1,500	1,100	400	<190	<190	2,400	4,000	2,500	690	<190	
SCSB8	5		<45	--	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<11	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3		
	10		1,500	--	77,000	27,000	2,100	<2,000	<2,000	<2,000	34,000	5,500	34,000	<2000	<2,000	8,800	18,000	11,000	2,200	<2,000	
SCSB9	5		<53	--	<3.6	<3.6	<3.6	<3.6	<3.6	4.5	<3.6	<3.6	<7.2	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	
	10		<35	--	<3.7	<3.6	<3.6	11	3.9	6.1	<3.6	<3.6	<7.3	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	13	
SCSB10	5		<87	--	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8	<7.7	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8	
	10		<54	--	<4.1	<4.1	<4.1	12	<4.1	<4.1	<4.1	<4.1	<8.2	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	10	
SCSB11	5		<49	--	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<8.2	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	
	10		77	--	<200	<200	<200	<200	<200	<200	<200	<200	<390	<200	<200	470	<200	<200	<200	<200	
SCSB12	5		<46	--	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<8.4	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	
	10		200	--	<210	<210	<210	<210	<210	<210	<210	<210	<420	<210	<210	<210	<210	<210	740	<210	
MW1	6	7/27/05	<1.0	14	--	--	--	<5.2	--	--	<5.2	--	<10	<5.2	<5.2	--	--	--	--	<5.2	
	9		350	14	--	--	--	<210	--	--	2,900	--	6,000	1,500	<210	--	--	--	--	<210	
	13		<1.0	16	--	--	--	<4.5	--	--	<4.5	--	<8.9	<4.5	<4.5	--	--	--	--	<4.5	
MW2	6		<1.0	26	--	--	--	<4.7	--	--	<4.7	--	<9.3	<4.7	<4.7	--	--	--	--	<4.7	
	9		330	28	--	--	--	<230	--	--	9,600	--	20,000	310	<230	--	--	--	--	<230	
	13		<1.0	13	--	--	--	<4.3	--	--	<4.3	--	<8.5	<4.3	<4.3	--	--	--	--	<4.3	
MW3	6		<1.0	16	--	--	--	5.1	--	--	<4.7	--	<9.5	<4.7	<4.7	--	--	--	--	<4.7	
	9		120	35	--	--	--	<240	--	--	520	--	<490	<240	<240	--	--	--	--	<240	
	13		310	54	--	--	--	300	--	--	13,000	--	6,800	<290	<290	--	--	--	--	<290	
RWQCB SSLs (<20 feet above groundwater)			100	100	--	--	--	11	--	--	700	--	1,750*	1,750*	--	--	--	--	--	150	
US EPA Preliminary Remediation Goals (Residential Site)			--	--	1,200,000	1,100	240,000	600	820	1,100	220,000	570,000	270,000	270,000	32,000	240,000	240,000	1,700*	220,000	520,000	
US EPA Preliminary Remediation Goals (Industrial Site)			--	--	1,200,000	2,600	240,000	1,300	1,800	2,600	220,000	2,000,000	420,000	420,000	70,000	240,000	240,000	4,200*	220,000	520,000	

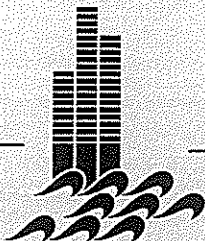
Notes:
1) bgs = below ground surface
2) US EPA Region 9 or California-modified (where available) Preliminary Remediation Goals (PRGs) for Residential and Industrial Soils, October 2004 (<http://www.epa.gov/region09/waste/sfund/prg/files/04prgtable.pdf>).
3) -- = Not Applicable or Not Analyzed
4) ND = None Detected
5) TRG = The Reynolds Group
6) SCS = SCS Engineers
7) * = Value for Total Xylenes

TABLE 3
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS FOR VOLATILE ORGANIC COMPOUNDS AND GASOLINE AND DIESEL RANGE ORGANICS
LONG BEACH CITY TOW YARD
901 W ANAHEIM, LONG BEACH, CALIFORNIA

Sample Number (or Boring ID)	Sample Depth (feet bgs)	Sampling Date	Gasoline Range Organics (C4- C12) [By GC/FID Using EPA Method 8015B(M)]	Diesel Range Organics (C13-C22) [Using EPA Method 8015(M)]	VOLATILE ORGANIC COMPOUNDS (VOCs) (By GC/MS Using EPA Method 8260B for SCS Samples, and EPA M602 for TRG Samples)																	
					1,2,4-Trimethylbenzene	1,2-Dibromo-3-chloropropane	1,3,5-Trimethylbenzene	4-Isopropyltoluene	Benzene	Bromodichloromethane	Dibromochloromethane	Ethylbenzene	Isopropylbenzene	Xylenes	Methyl-tert-butyl ether (MTBE)	n-Butylbenzene	n-Propylbenzene	Naphthalene	sec-Butylbenzene	tert-Butyl alcohol (TBA)	Toluene	
					Micrograms per Liter (µg/L)																	
TRGB1	10	12/14/95 and 1/18/96	3,400	600	--	--	--	--	7,400	--	--	108,000	--	703,000	--	--	--	--	--	--	18,000	
TRGB2			ND	ND	--	--	--	--	ND	--	3.0	0.6	--	1.9	--	--	--	--	--	--	ND	
TRGB3			1,200	160	--	--	--	--	1,520	--	--	3,560	--	15,000	--	--	--	--	--	--	2,660	
TRGB4			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
TRGB5			3,000	94	--	--	--	--	18,000	--	--	74,600	--	445,000	--	--	--	--	--	--	42,400	
TRGB6			200	28	--	--	--	--	7,200	--	--	7,600	--	34,800	--	--	--	--	--	--	--	4,100
SCSB7-GW	12	6/21/05	6.8	--	81	<5.0	43	8.6	340	<5.0	<5.0	240	91	120	<5.0	26	250	540	11	--	11	
SCSB8-GW			1.1	--	16	<5.0	9.3	<5.0	<5.0	<5.0	<5.0	85	11	19	5.3	5.4	25	27	<5.0	--	<5.0	
SCSB9-GW			<0.20	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	6.6	<5.0	<5.0	<5.0	<5.0	--	<5.0	
SCS10-GW			<0.20	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	--	<5.0	
SCSB11-GW			0.30	--	13	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	5.1	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	--	<5.0
SCSB12-GW			<0.20	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	--	<5.0
MW1		8/11/05	0.189	<0.1*	--	--	--	--	<0.5	--	--	1.2	--	4.8	<0.5	--	--	--	--	<0.5	<0.5	
MW2			<0.005	<0.1*	--	--	--	--	<0.5	--	--	<0.5	--	<0.5	<0.5	--	--	--	--	<0.5	<0.5	
MW3			0.024	<0.1*	--	--	--	--	<0.5	--	--	<0.5	--	<0.5	3.9	--	--	--	--	38.8J	<0.5	
Maximum Contaminant Level (MCL)			--	--	--	0.2	--	--	1	80^	80^	300	--	1,750	5**	--	--	170	--	12**	150	

Notes:
1) bgs = below ground surface
2) -- = Not Applicable or Not Analyzed
3) ND = None Detected
4) TRG = The Reynolds Group
5) SCS = SCS Engineers
6) * = Result Includes Heavy-Range Hydrocarbons (C23-C40)
7) J = Analyte was detected. However, the analyte concentration is an estimated value, which is between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).
8) MCL = U.S. EPA or California primary or secondary (as noted) MCL; lowest value provided.
9) ** = California Secondary MCL
10) ^ = MCL for total trihalomethanes, including chloroform, bromodichloromethane, dibromochloromethane and bromoform.

APPENDIX A
LONG BEACH HEALTH DEPARTMENT
WELL PERMIT



CITY OF LONG BEACH

DEPARTMENT OF HEALTH & HUMAN SERVICES

2525 Grand Avenue Long Beach, CA 90815-1765 (562) 570-4134 FAX (562) 570-4038

WELL PERMIT

Permit # 1128

Date: July 26, 2005

All work must be completed in accordance with Water Well Bulletin 74-81 and 74-90

Site Address: 901 W Anaheim St
Owner: City of Long Beach
Owner Address: 333 W Ocean Blvd. 3rd Fl., Long Beach
Consulting Firm: SCS Engineers
Consulting Firm Address: 3900 Kilroy Airport Way, Ste 100, Long Beach 90806
Drilling Company: Layne Christensen
Drilling Company Address: 1101 Etiwanda Ave., Fontana, CA 92337
Method of Construction/Destruction: see attached

3 Monitoring Wells

This permit valid for one year from date above

Steven Nakauchi, REHS IV
Cross-Connection/Water Program

APPENDIX B
BORING LOGS

3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806-6816

BORING NUMBER: SCS B7

Page 1 of 1

Long Beach City Tow Yard
901 W. Anaheim St.
Long Beach, CA

JOB NUMBER: 01204007.02 task1

REMARKS:
GW sample collected from temporary well

Depth		Sample Information					Graphic Log	Description	Completion Detail
meters	feet	Sample Location	Sample Number	Blow Counts	OVN (ppm)	USCS Soil Class.			
0	0							Surface - asphalt	0
1	1								
2	2								
3	3								
4	4								
5	5	SCS B7-5'			NA	SM		5' - Brown, silty sand, medium dense, moist, no odor	5
6	6								
7	7								
8	8								
9	9								
10	10	SCS B7-10'			100	ML		10' - Gray silt, medium dense, moist, hydrocarbon odor	10
11	11								
12	12								
13	13								
14	14								
15	15								

Drilling Company: H&P

Drilling Method: Strataprobe

Logged By: K. Green

Sampling Method: Split spoon with acetate sleeve

Date Started: 6/21/05

Date Ended: 6/21/05

Boring Diameter: 2.5"

Well Diameter: 1"

Time Started: 09:10

Time Ended: 09:35

Depth to Water: 10.0 ft.

Total Depth: 14.0 ft.

3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806-6816

BORING NUMBER: SCS B8

Page 1 of 1

Long Beach City Tow Yard
901 W. Anaheim St.
Long Beach, CA

JOB NUMBER: 01204007.02 task1

REMARKS:
GW sample collected from temporary well set at 14'

Depth		Sample Information					Graphic Log	Description	Completion Detail
meters	feet	Sample Location	Sample Number	Blow Counts	OVM (ppm)	USCS Soil Class.			
0	0							Surface - asphalt	0
1	1								
2	2								
3	3								
4	4								
5	5	SCS B8-5'			0	SP		5' - Gray, fine sand, medium dense, moist, slight odor	5
6	6								
7	7								
8	8								
9	9								
10	10	SCS B8-10'			NA	ML		10' - Gray silt, soft, wet, hydrocarbon odor	10
11	11								
12	12								
13	13								
14	14								
15	15								

Drilling Company: **H&P**

Drilling Method: **Strataprobe**

Logged By: **K. Green**

Sampling Method: **Split spoon with acetate sleeve**

Date Started: **6/21/05**

Date Ended: **6/21/05**

Boring Diameter: **2.5"**

Well Diameter: **1"**

Time Started: **09:40**

Time Ended: **10:00**

Depth to Water: **12.0 ft.**

Total Depth: **14.0 ft.**

3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806-6816

BORING NUMBER: SCS B9

Page 1 of 1

Long Beach City Tow Yard
901 W. Anaheim St.
Long Beach, CA

JOB NUMBER: 01204007.02 task1

REMARKS:
GW sample collected from temporary well

Depth		Sample Information					Graphic Log	Description	Completion Detail
meters	feet	Sample Location	Sample Number	Blow Counts	OVN (ppm)	USCS Soil Class.			
0	0							Surface - asphalt	0
1	1								
2	2								
3	3								
4	4								
5	5	SCS B9-5'			0	SP		5' - Brown sand, medium dense, moist, no odor	5
6	6								
7	7								
8	8								
9	9								
10	10	SCS B9-10'			NA	ML		10' - Gray silt, medium dense - soft, odor	10
11	11								
12	12								
13	13								
14	14								
15	15								

Drilling Company: **H&P**

Drilling Method: **Strataprobe**

Logged By: **K. Green**

Sampling Method: **Split spoon with acetate sleeve**

Date Started: **6/21/05**

Date Ended: **6/21/05**

Boring Diameter: **2.5"**

Well Diameter: **1"**

Time Started: **10:00**

Time Ended: **10:25**

Depth to Water: **12.0 ft.**

Total Depth: **14.0 ft.**

3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806-6816

BORING NUMBER: SCS B10

Page 1 of 1

Long Beach City Tow Yard
901 W. Anaheim St.
Long Beach, CA

JOB NUMBER: 01204007.02 task1

REMARKS:
GW sample collected from temporary well

Depth		Sample Information					Graphic Log	Description	Completion Detail
meters	feet	Sample Location	Sample Number	Blow Counts	OM (ppm)	USCS Soil Class.			
0	0							Surface - asphalt	0
1	1								
2	2								
3	3								
4	4								
5	5		SCS B10-5'		NA	SM		5' - Gray-brown, silty sand, moist, no odor	5
6	6								
7	7								
8	8								
9	9								
10	10		SCS B10-10'		NA	SM		10' - Gray sand/silt mix, wet, no odor	10
11	11								
12	12								
13	13								
14	14								
15	15								

Drilling Company: **H&P**

Drilling Method: **Strataprobe**

Logged By: **K. Green**

Sampling Method: **Split spoon with acetate sleeve**

Date Started: **6/21/05**

Date Ended: **6/21/05**

Boring Diameter: **2.5"**

Well Diameter: **1"**

Time Started: **08:30**

Time Ended: **09:00**

Depth to Water: **11.0 ft.**

Total Depth: **14.0 ft.**

STANDARD LOG 01204007.02 GPJ STD LOG GDT 10/18/05

3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806-6816

BORING NUMBER: SCS B11 Page 1 of 1

Long Beach City Tow Yard
901 W. Anaheim St.
Long Beach, CA

JOB NUMBER: 01204007.02 task1

REMARKS:
GW sample collected from temporary well

Depth		Sample Information					Graphic Log	Description	Completion Detail
meters	feet	Sample Location	Sample Number	Blow Counts	OVN (ppm)	USCS Soil Class.			
0	0							Surface - asphalt	0
1	1								
2	2								
3	3								
4	4								
5	5		SCS B11-5		NA	SM		5' - Gray, silty sand, moist, hydrocarbon odor	5
6	6								
7	7								
8	8								
9	9								
10	10		SCS B11-10'		NA	ML		10' - Gray, sandy silt, saturated, strong hydrocarbon odor	10
11	11								
12	12								
13	13								
14	14								
15	15								

Drilling Company: **H&P**

Drilling Method: **Strataprobe**

Logged By: **K. Green**

Sampling Method: **Split spoon with acetate sleeve**

Date Started: **6/21/05**

Date Ended: **6/21/05**

Boring Diameter: **2.5"**

Well Diameter: **1"**

Time Started: **08:05**

Time Ended: **08:25**

Depth to Water: **12.0 ft.**

Total Depth: **14.0 ft.**

STANDARD_LOG_01204007_02.GPJ STD_LOG.GDT 10/18/05

3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806-6816

BORING NUMBER: SCS B12 Page 1 of 1

Long Beach City Tow Yard
901 W. Anaheim St.
Long Beach, CA

JOB NUMBER: 01204007.02 task1

REMARKS:
GW sample collected from temporary well set at 14'

Depth		Sample Information					Graphic Log	Description	Completion Detail
meters	feet	Sample Location	Sample Number	Blow Counts	QVM (ppm)	USCS Soil Class.			
0	0							Surface - asphalt	0
1	1								
2	2								
3	3								
4	4								
5	5		SCS B12-5'		NA	SM		5' - Gray, silty sand, wet, gasoline odor	5
6	6								
7	7								
8	8								
9	9								
10	10		SCS B12-10'		NA	ML		10' - Gray silt, soft, saturated, hydrocarbon odor	10
11	11								
12	12								
13	13								
14	14								
15	15								

Drilling Company: H&P

Drilling Method: Strataprobe

Logged By: K. Green

Sampling Method: Split spoon with acetate sleeve

Date Started: 6/21/05

Date Ended: 6/21/05

Boring Diameter: 2.5"

Well Diameter: 1"

Time Started: 07:15

Time Ended: 08:00

Depth to Water: 12.0 ft.

Total Depth: 14.0 ft.

3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806-6816

BORING NUMBER: MW1

Page 1 of 1

Long Beach City Tow Yard
901 W. Anaheim St.
Long Beach, CA

JOB NUMBER: 01204007.02 task1

REMARKS:

Depth		Sample Information					Graphic Log	Description	Completion Detail	
meters	feet	Sample Location	Sample Number	Blow Counts	OVM (ppm)	USCS Soil Class.				
0	0							Asphalt at surface		
1	1									
2	2							Hand augered to 5' bgs		
3	3									
4	4									
5	5							Gray silt, damp, odorous	5	
6	6		MW1-6'		2.9	ML				
7	7									
8	8									
9	9		MW1-9'		26.1	ML		Gray, clayey silt, moist, strong odor		
10	10									
11	11									
12	12									
13	13		MW1-13'		3.8	ML		Gray silt, wet, strong odor		
14	14									
15	15									
16	16									
17	17									
18	18									
19	19									
20	20									

See groundwater
monitoring well
specifications

Drilling Company: Layne Christensen

Drilling Method: Hollow Stem Auger

Logged By: T. Holmes

Sampling Method: Split spoon

Date Started: 7/27/05

Date Ended: 7/27/05

Boring Diameter: 10"

Well Diameter: 4"

Time Started: 11:01

Time Ended: 12:40

Depth to Water: 12.0 ft.

Total Depth: 20.0 ft.

3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806-6816

BORING NUMBER: MW2

Page 1 of 1

Long Beach City Tow Yard
901 W. Anaheim St.
Long Beach, CA

JOB NUMBER: 01204007.02 task1

REMARKS:

Depth		Sample Information					Graphic Log	Description	Completion Detail	
meters	feet	Sample Location	Sample Number	Blow Counts	OV/M (ppm)	USCS Soil Class.				
0	0							Asphalt at surface		
	1									
	2							Hand augered to 5' bgs		
	3									
-1	4									
	5									
	6		MW2-6'		2.8	SM		Gray, silty, very fine sand, damp, odorous		
-2	7									
	8									
	9		MW2-9'		>>>high	ML		Greenish gray silt, moist, strong odor		
-3	10									
	11									
	12									
-4	13		MW2-13'		2.0	CL		Gray, silty clay, slight odor		
	14									
	15									
5	16									
	17									
	18									
	19									
-6	20									

See groundwater monitoring well specifications



Drilling Company: **Layne Christensen**
Drilling Method: **Hollow Stem Auger**
Logged By: **T. Holmes**
Sampling Method: **Split spoon**

Date Started: **7/27/05** Time Started: **13:30**
Date Ended: **7/27/05** Time Ended: **15:10**
Boring Diameter: **10"** Depth to Water: **12.0 ft.**
Well Diameter: **4"** Total Depth: **20.0 ft.**

STANDARD_LOG_01204007_02.GPJ STD_LOG.GDT 10/18/05

3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806-6816

BORING NUMBER: MW3

Page 1 of 1

Long Beach City Tow Yard
901 W. Anaheim St.
Long Beach, CA

JOB NUMBER: 01204007.02 task1

REMARKS:

Depth		Sample Information					Graphic Log	Description	Completion Detail	
meters	feet	Sample Location	Sample Number	Blow Counts	QVM (ppm)	USCS Soil Class.				
0	0							Asphalt at surface		
1	1							Hand augered to 1.5' bgs; hit resistance (brick materials)		
2	2									
3	3									
4	4									
5	5							No recovery at 5'		
6	6		MW3-6'	4 5 6	1.9	ML		Gray silt, moist, odorous		
7	7									
8	8									
9	9		MW3-9'	2 4 5	14.8	ML		Gray silt, moist, odorous		
10	10									
11	11									
12	12									
13	13		MW3-13'		26.2	ML		Gray, clayey silt, wet, strong odor		
14	14									
15	15									
16	16									
17	17									
18	18									
19	19									
20	20									

See groundwater monitoring well specifications

Drilling Company: **Layne Christensen**

Drilling Method: **Hollow Stem Auger**

Logged By: **T. Holmes**

Sampling Method: **Split spoon**

Date Started: **7/27/05**

Date Ended: **7/27/05**

Boring Diameter: **10"**

Well Diameter: **4"**

Time Started: **08:15**

Time Ended: **10:30**

Depth to Water: **12.0 ft.**

Total Depth: **20.0 ft.**

APPENDIX C
MONITORING WELL SURVEY DATA

SCS
SAN FRANCISCO AVE
LONG BEACH, CA

<u>WELL</u>	<u>ELEV</u>	<u>DESC</u>	<u>NORTH</u>	<u>EAST</u>
MW-1	6.79	4" PVC (N)	1743780.7	6499743.3
MW-1	7.39	RIM		
MW-1	7.37	ASPHALT		
MW-2	6.74	4" PVC (N)	1743780.8	6499787.9
MW-2	7.34	RIM		
MW-2	7.31	ASPHALT		
MW-3	7.55	4" PVC (N)	1743735.0	6499782.5
MW-3	7.96	RIM		
MW-3	7.93	ASPHALT		

BENCHMARK:

VERTICAL DATUM NGVD29

CITY OF LONG BEACH BM #286 NE CORNER SAN FRANCISCO
AVE AT 15TH ST, BRASS CAP IN WELL 16.0' E/CURB LINE
2.2' N/CURB

1985 ELEV= 6.225 FEET NGVD29

HORIZONTAL DATUM NAD83

NGS PID STATIONS AI4472 AND AJ1876 EPOCH DATE 2000.35

GLOBAL_ID	FIELD_PT_NAME	FIELD_PT_CLASS	XY_SURVEY_DATE	LATITUDE	LONGITUDE	XY_METHOD	XY_DATUM	XY_ACC_VAL	XY_SURVEY_ORG	GPS_EQUIP_TYPE	XY_SURVEY_DESC	EFFECTIVE_DATE
	MW-1		8/10/2005	33.7838443	-118.2037732	CGPS	NAD83	20	DOUGLAS BOYNTON PLS, LS4787	L399	NGS PID AI4472 AND AJ1876 EPOCH DATE 2000.35	
	MW-2		8/10/2005	33.7838448	-118.2036263	CGPS	NAD83	20	DOUGLAS BOYNTON PLS, LS4787	L399	NGS PID AI4472 AND AJ1876 EPOCH DATE 2000.35	
	MW-3		8/10/2005	33.7837191	-118.2036440	CGPS	NAD83	20	DOUGLAS BOYNTON PLS, LS4787	L399	NGS PID AI4472 AND AJ1876 EPOCH DATE 2000.35	

GLOBAL ID	FIELD PT NAME	ELEV SURVEY DATE	ELEVATION	ELEV METHOD	ELEV DATUM	ELEV ACC VAL	ELEV SURVEY ORG	RISER HT	ELEV DESC	EFFECTIVE DATE
	MW-1 4" PVC (N)	8/10/2005	6.79	DIG	29	3	DOUGLAS BOYNTON PLS, LS4787	-0.58	CITY OF LONG BEACH BM #286 1985 ELEV= 6.225 FEET	
	MW-2 4" PVC (N)	8/10/2005	6.74	DIG	29	3	DOUGLAS BOYNTON PLS, LS4787	-0.57	CITY OF LONG BEACH BM #286 1985 ELEV= 6.225 FEET	
	MW-3 4" PVC (N)	8/10/2005	7.55	DIG	29	3	DOUGLAS BOYNTON PLS, LS4787	-0.38	CITY OF LONG BEACH BM #286 1985 ELEV= 6.225 FEET	

APPENDIX D
WELL CONSTRUCTION DETAIL

FIGURE 3: MONITORING WELL DETAILS

PROJECT NAME: LONG BEACH CITY TOW YARD

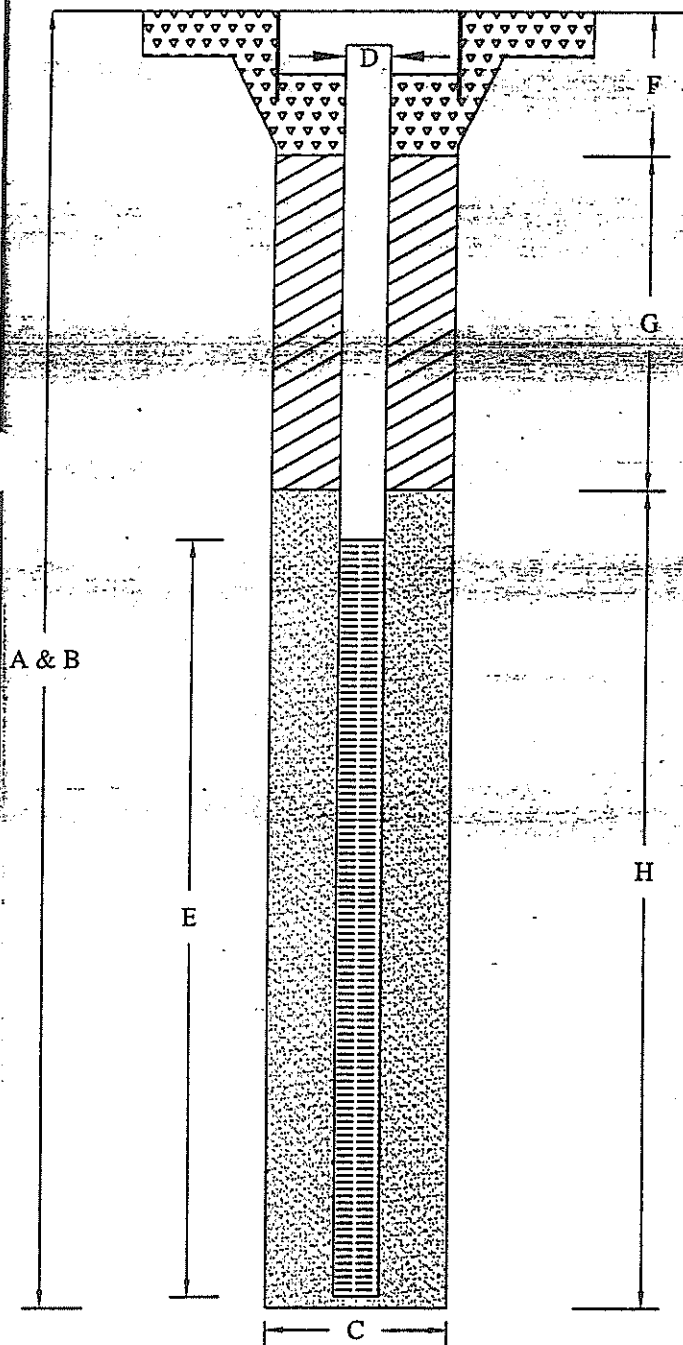
WELL ID: MW1, MW2 and MW3

PROJECT NUMBER:

CASING TYPE: SCHEDULE 40 PVC

LOCATION: 901 West Anaheim Street
Long Beach, CA

DEPTH TO WATER: Approximately 8 to 10 feet



A. TOTAL DEPTH OF BORING: 20 feet

B. CASING LENGTH: 20 feet.

C. BORING DIAMETER: 10 inches

D. CASING DIAMETER: 4 inches

E. PERFORATED ZONE:

Perforated from: 5 feet below ground surface
to 20 feet below ground surface.

Perforation type: factory slotted

Perforation size: 0.010 inches

F. SURFACE COMPLETION: 18 inches

Material: Concrete

G. SANITARY SEAL:

Depth: from surface completion to top of sand

Material: Hydrated medium bentonite chips

H. FILTER PACK:

Depth: 4 feet below ground surface

to 20 feet below ground surface.

Material: #2/16 Sand

APPENDIX E
GROUNDWATER SAMPLING RECORDS

GROUNDWATER SAMPLING RECORD

Well ID: MW-1 Station #: _____ Project # 0120402702

Facility Name: LB City yard Date: 8/11/05

Well Depth: 20 Depth to Water: 5.99 Well Diameter: 4

Casing Material: PVC Volume Of Water per Well Volume: "

Sampling

Crew: L. Weaver

Equipment: QED micro pump Tubing Material: polyethylene Pump set at 15 ft.

Weather Conditions: Sunny 40

NOTES: 10:19 start Clear water, mild odor

TIME	<u>10:23</u>	<u>10:27</u>	<u>10:31</u>		
Volume Pumped	<u>1.25 L</u>	<u>2.25 L</u>	<u>3.25 L</u>		
Water Level			<u>6.46</u>		
Temp. (°C)	<u>24.6</u>	<u>24.1</u>	<u>24.0</u>		
Pumping Rate	<u>250 ml/min</u>				
DO (mg/l)					
EC (µS/cm)	<u>14.0</u>	<u>13.9</u>	<u>13.5</u>		
PH	<u>7.07</u>	<u>7.05</u>	<u>7.06</u>		
ORP (mV)					
Turbidity (NTU)	<u>36</u>	<u>19</u>	<u>8</u>		

Parameters taken with: Hanlon Other Parameters: _____

Sampled at: 10:31 (time) Sample collection method: QED

Sample delivered to ATC by LW at _____

Sample #'s: _____ Other #'s: _____

Parameters Collected; Number of Bottles; Bottle Lot Number:

PH, DO
6TEX, MTBE, organics

GROUNDWATER SAMPLING RECORD

Well ID: MW-2 Station #: _____ Project # 0120400702

Facility Name: LB City yard Date: 8/11/05

Well Depth: 20 Depth to Water: 6.23 Well Diameter: 4

Casing Material: pvc Volume Of Water per Well Volume: _____

Sampling Crew: L. Higney

Equipment: GED mumpig Tubing Material: polyethylene Pump set at 15 ft.

Weather Conditions: Sunny

NOTES: clear, colorless water 9:44 start

TIME	<u>9:45</u>	<u>9:48</u>	<u>9:52</u>		
Volume Pumped	<u>250ml</u>	<u>12</u>	<u>22</u>		
Water Level					
Temp. (°C)	<u>24.6</u>	<u>24.2</u>	<u>24.1</u>		
Pumping Rate	<u>250ml/min</u>	<u>"</u>	<u>"</u>		
DO (mg/l)					
EC (µS/cm)	<u>11.5</u>	<u>11.8</u>	<u>11.7</u>		
PH	<u>7.07</u>	<u>7.05</u>	<u>7.06</u>		
ORP (mV)					
Turbidity (NTU)	<u>5</u>	<u>9</u>	<u>9</u>		

Parameters taken with: Hanba Other Parameters: _____

Sampled at: 9:52 (time) Sample collection method: GED

Sample delivered to AETL by LW at _____

Sample #'s: _____ Other #'s: _____

Parameters Collected; Number of Bottles; Bottle Lot Number:

TPH, G, D
BTEX, MTBE, Fuel organics

GROUNDWATER SAMPLING RECORD

Well ID: MW-3 Station #: _____ Project # 01204007.03

Facility Name: LB city tow yard Date: 8/11/05

Well Depth: 20 Depth to Water: 7.12 Well Diameter: 4"

Casing Material: Pvc Volume Of Water per Well Volume: -

Sampling Crew: LWanner

Equipment: QED Tubing Material: Polyethylene Pump set at 15 ft.

Weather Conditions: Cloudy

NOTES: start 8:53 clear odorless water

TIME	<u>8:53</u>	<u>8:57</u>	<u>9:01</u>	<u>9:05</u>	
Volume Pumped	<u>250ml</u>	<u>1.25L</u>	<u>2.25L</u>	<u>3.25L</u>	
Water Level					
Temp. (°C)	<u>23.9</u>	<u>23.8</u>	<u>23.7</u>	<u>24.0</u>	
Pumping Rate	<u>250ml/min</u>	<u>"</u>	<u>"</u>	<u>"</u>	
DO (mg/l)					
EC (µS/cm)	<u>4.31</u>	<u>4.46</u>	<u>4.55</u>	<u>4.42</u>	
PH	<u>6.93</u>	<u>7.00</u>	<u>7.08</u>	<u>7.04</u>	
ORP (mV)					
Turbidity (NTU)	<u>10</u>	<u>2</u>	<u>7</u>	<u>28</u>	

Parameters taken with: Hanna Other Parameters: _____

Sampled at: 9:05 (time) Sample collection method: QED

Sample delivered to AETC by LW at _____

Sample #'s: _____ Other #'s: _____

Parameters Collected; Number of Bottles; Bottle Lot Number:

TPH-G, D
BTEX, MTBE, Full organics

APPENDIX F

ADVANCED TECHNOLOGY LABORATORIES ANALYTICAL REPORTS

August 09, 2005



Tara Holmes
SCS Engineers
3900 Kilroy Airport Way, Suite 100
Long Beach, CA 90806-6816

ELAP No.: 1838
NELAP No.: 02107CA
CSDLAC No.: 10196

TEL: (562) 426-9544
FAX: (562) 427-0805

Workorder No.: 077857

RE: LB CITY TOW YARD, 01204007.02

Attention: Tara Holmes

Enclosed are the results for sample(s) received on July 28, 2005 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

A handwritten signature in black ink, appearing to read "E. Rodriguez".

Eddie F. Rodriguez
Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.



CLIENT: SCS Engineers
Project: LB CITY TOW YARD, 01204007.02
Lab Order: 077857

CASE NARRATIVE

EPA 8260 analysis was performed using 5035 preservation requirements. Any high level dilutions were performed on a preserved methanol sample unless otherwise noted.



Advanced Technology Laboratories

Date: 09-Aug-05

CLIENT: SCS Engineers

Client Sample ID: MW3-6'

Lab Order: 077857

Project: LB CITY TOW YARD, 01204007.02

Collection Date: 7/27/2005 8:37:00 AM

Lab ID: 077857-001

Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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HYDROCARBON CHAIN IDENTIFICATION

(LUFT)

EPA 8015B(M)

RunID: GC8_050801B	QC Batch: 23702	PrepDate: 7/29/2005	Analyst: CBR		
T/R Hydrocarbons: C13-C22	16	10	mg/Kg	1	8/2/2005
T/R Hydrocarbons: C23-C32	24	10	mg/Kg	1	8/2/2005
T/R Hydrocarbons:>C32	ND	10	mg/Kg	1	8/2/2005

HYDROCARBON CHAIN IDENTIFICATION

EPA 8015B

RunID: GC2_050802A	QC Batch: E05VS197	PrepDate:	Analyst: TT		
T/R Hydrocarbons: C4-C12	ND	1.0	mg/Kg	1	8/2/2005

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS1_050805B	QC Batch: P05VS123	PrepDate: 7/27/2005	Analyst: MFR		
Benzene	5.1	4.7	µg/Kg	1	8/5/2005
Di-isopropyl ether	ND	4.7	µg/Kg	1	8/5/2005
Ethyl Tert-butyl ether	ND	4.7	µg/Kg	1	8/5/2005
Ethylbenzene	ND	4.7	µg/Kg	1	8/5/2005
m,p-Xylene	ND	9.5	µg/Kg	1	8/5/2005
MTBE	ND	4.7	µg/Kg	1	8/5/2005
o-Xylene	ND	4.7	µg/Kg	1	8/5/2005
Tert-amyl methyl ether	ND	4.7	µg/Kg	1	8/5/2005
Tert-Butanol	ND	95	µg/Kg	1	8/5/2005
Toluene	ND	4.7	µg/Kg	1	8/5/2005

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 09-Aug-05

CLIENT:	SCS Engineers	Client Sample ID:	MW3-9'
Lab Order:	077857		
Project:	LB CITY TOW YARD, 01204007.02	Collection Date:	7/27/2005 8:44:00 AM
Lab ID:	077857-002	Matrix:	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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**HYDROCARBON CHAIN IDENTIFICATION
(LUFT)****EPA 8015B(M)**

RunID:	GC8_050801B	QC Batch:	23702	PrepDate:	7/29/2005	Analyst:	CBR
T/R Hydrocarbons:	C13-C22	35	10	mg/Kg	1	8/2/2005	
T/R Hydrocarbons:	C23-C32	18	10	mg/Kg	1	8/2/2005	
T/R Hydrocarbons:	>C32	ND	10	mg/Kg	1	8/2/2005	

HYDROCARBON CHAIN IDENTIFICATION**EPA 8015B**

RunID:	GC2_050802A	QC Batch:	E05VS197	PrepDate:		Analyst:	TT
T/R Hydrocarbons:	C4-C12	120	50	mg/Kg	50	8/2/2005	

VOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 8260B**

RunID:	MS1_050805B	QC Batch:	P05VS123	PrepDate:	7/27/2005	Analyst:	MFR
Benzene	ND	240	µg/Kg	50	8/6/2005		
Di-isopropyl ether	ND	240	µg/Kg	50	8/6/2005		
Ethyl Tert-butyl ether	ND	240	µg/Kg	50	8/6/2005		
Ethylbenzene	520	240	µg/Kg	50	8/6/2005		
m,p-Xylene	ND	490	µg/Kg	50	8/6/2005		
MTBE	ND	240	µg/Kg	50	8/6/2005		
o-Xylene	ND	240	µg/Kg	50	8/6/2005		
Tert-amyl methyl ether	ND	240	µg/Kg	50	8/6/2005		
Tert-Butanol	ND	4900	µg/Kg	50	8/6/2005		
Toluene	ND	240	µg/Kg	50	8/6/2005		

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	E - Value above quantitation range
	DO - Surrogate Diluted Out	H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 09-Aug-05

CLIENT: SCS Engineers

Client Sample ID: MW3-13'

Lab Order: 077857

Project: LB CITY TOW YARD, 01204007.02

Collection Date: 7/27/2005 9:06:00 AM

Lab ID: 077857-003

Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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**HYDROCARBON CHAIN IDENTIFICATION
(LUFT)****EPA 8015B(M)**

RunID: GC8_050801B	QC Batch: 23702	PrepDate: 7/29/2005	Analyst: CBR		
T/R Hydrocarbons: C13-C22	54	10	mg/Kg	1	8/2/2005
T/R Hydrocarbons: C23-C32	66	10	mg/Kg	1	8/2/2005
T/R Hydrocarbons:>C32	ND	10	mg/Kg	1	8/2/2005

HYDROCARBON CHAIN IDENTIFICATION**EPA 8015B**

RunID: GC2_050802A	QC Batch: E05VS197	PrepDate:	Analyst: TT		
T/R Hydrocarbons: C4-C12	310	50	mg/Kg	50	8/2/2005

VOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 8260B**

RunID: MS1_050805B	QC Batch: P05VS123	PrepDate: 7/27/2005	Analyst: MFR		
Benzene	300	290	µg/Kg	50	8/6/2005
Di-isopropyl ether	ND	290	µg/Kg	50	8/6/2005
Ethyl Tert-butyl ether	ND	290	µg/Kg	50	8/6/2005
Ethylbenzene	13000	290	µg/Kg	50	8/6/2005
m,p-Xylene	6800	580	µg/Kg	50	8/6/2005
MTBE	ND	290	µg/Kg	50	8/6/2005
o-Xylene	ND	290	µg/Kg	50	8/6/2005
Tert-amyl methyl ether	ND	290	µg/Kg	50	8/6/2005
Tert-Butanol	ND	5800	µg/Kg	50	8/6/2005
Toluene	ND	290	µg/Kg	50	8/6/2005

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 09-Aug-05

CLIENT:	SCS Engineers	Client Sample ID:	MW1-6'
Lab Order:	077857		
Project:	LB CITY TOW YARD, 01204007.02	Collection Date:	7/27/2005 11:20:00 AM
Lab ID:	077857-004	Matrix:	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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HYDROCARBON CHAIN IDENTIFICATION

(LUFT)

EPA 8015B(M)

RunID:	GC8_050801B	QC Batch:	23702	PrepDate:	7/29/2005	Analyst:	CBR
T/R Hydrocarbons:	C13-C22	14	10	mg/Kg	1	8/2/2005	
T/R Hydrocarbons:	C23-C32	17	10	mg/Kg	1	8/2/2005	
T/R Hydrocarbons:	>C32	ND	10	mg/Kg	1	8/2/2005	

HYDROCARBON CHAIN IDENTIFICATION**EPA 8015B**

RunID:	GC2_050802A	QC Batch:	E05VS197	PrepDate:		Analyst:	TT
T/R Hydrocarbons:	C4-C12	ND	1.0	mg/Kg	1	8/2/2005	

VOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 8260B**

RunID:	MS1_050805B	QC Batch:	P05VS123	PrepDate:	7/27/2005	Analyst:	MFR
Benzene	ND	5.2	µg/Kg	1	8/5/2005		
Di-isopropyl ether	ND	5.2	µg/Kg	1	8/5/2005		
Ethyl Tert-butyl ether	ND	5.2	µg/Kg	1	8/5/2005		
Ethylbenzene	ND	5.2	µg/Kg	1	8/5/2005		
m,p-Xylene	ND	10	µg/Kg	1	8/5/2005		
MTBE	ND	5.2	µg/Kg	1	8/5/2005		
o-Xylene	ND	5.2	µg/Kg	1	8/5/2005		
Tert-amyl methyl ether	ND	5.2	µg/Kg	1	8/5/2005		
Tert-Butanol	ND	100	µg/Kg	1	8/5/2005		
Toluene	ND	5.2	µg/Kg	1	8/5/2005		

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	E - Value above quantitation range
	DO - Surrogate Diluted Out	H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 09-Aug-05

CLIENT:	SCS Engineers	Client Sample ID:	MW1-9'
Lab Order:	077857		
Project:	LB CITY TOW YARD, 01204007.02	Collection Date:	7/27/2005 11:25:00 AM
Lab ID:	077857-005	Matrix:	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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HYDROCARBON CHAIN IDENTIFICATION (LUFT)

EPA 8015B(M)

RunID: GC8_050801B	QC Batch: 23702	PrepDate: 7/29/2005	Analyst: CBR
T/R Hydrocarbons: C13-C22	14	10	mg/Kg
T/R Hydrocarbons: C23-C32	17	10	mg/Kg
T/R Hydrocarbons:>C32	ND	10	mg/Kg

HYDROCARBON CHAIN IDENTIFICATION

EPA 8015B

RunID: GC2_050802A	QC Batch: E05VS197	PrepDate:	Analyst: TT
T/R Hydrocarbons: C4-C12	350	50	mg/Kg

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS1_050805B	QC Batch: P05VS123	PrepDate: 7/27/2005	Analyst: MFR
Benzene	ND	210	µg/Kg
Di-isopropyl ether	ND	210	µg/Kg
Ethyl Tert-butyl ether	ND	210	µg/Kg
Ethylbenzene	2900	210	µg/Kg
m,p-Xylene	6000	420	µg/Kg
MTBE	ND	210	µg/Kg
o-Xylene	1500	210	µg/Kg
Tert-amyl methyl ether	ND	210	µg/Kg
Tert-Butanol	ND	4200	µg/Kg
Toluene	ND	210	µg/Kg

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	E - Value above quantitation range
	DO - Surrogate Diluted Out	H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology
Laboratories

Advanced Technology Laboratories

Date: 09-Aug-05

CLIENT: SCS Engineers

Client Sample ID: MW1-13'

Lab Order: 077857

Project: LB CITY TOW YARD, 01204007.02

Collection Date: 7/27/2005 11:30:00 AM

Lab ID: 077857-006

Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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HYDROCARBON CHAIN IDENTIFICATION

(LUFT)

EPA 8015B(M)

RunID: GC8_050802B	QC Batch: 23720	PrepDate: 8/1/2005	Analyst: CBR		
T/R Hydrocarbons: C13-C22	16	10	mg/Kg	1	8/3/2005
T/R Hydrocarbons: C23-C32	17	10	mg/Kg	1	8/3/2005
T/R Hydrocarbons:>C32	ND	10	mg/Kg	1	8/3/2005

HYDROCARBON CHAIN IDENTIFICATION

EPA 8015B

RunID: GC2_050802B	QC Batch: E05VS198	PrepDate:	Analyst: TT		
T/R Hydrocarbons: C4-C12	ND	1.0	mg/Kg	1	8/2/2005

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS1_050805B	QC Batch: P05VS123	PrepDate: 7/27/2005	Analyst: MFR		
Benzene	ND	4.5	µg/Kg	1	8/5/2005
Di-isopropyl ether	ND	4.5	µg/Kg	1	8/5/2005
Ethyl Tert-butyl ether	ND	4.5	µg/Kg	1	8/5/2005
Ethylbenzene	ND	4.5	µg/Kg	1	8/5/2005
m,p-Xylene	ND	8.9	µg/Kg	1	8/5/2005
MTBE	ND	4.5	µg/Kg	1	8/5/2005
o-Xylene	ND	4.5	µg/Kg	1	8/5/2005
Tert-amyl methyl ether	ND	4.5	µg/Kg	1	8/5/2005
Tert-Butanol	ND	89	µg/Kg	1	8/5/2005
Toluene	ND	4.5	µg/Kg	1	8/5/2005

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 09-Aug-05

CLIENT:	SCS Engineers	Client Sample ID:	MW2-6'
Lab Order:	077857		
Project:	LB CITY TOW YARD, 01204007.02	Collection Date:	7/27/2005 1:47:00 PM
Lab ID:	077857-007	Matrix:	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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HYDROCARBON CHAIN IDENTIFICATION

(LUFT)

EPA 8015B(M)

RunID:	GC8_050802B	QC Batch:	23720	PrepDate:	8/1/2005	Analyst:	CBR
T/R Hydrocarbons:	C13-C22	26	10	mg/Kg	1	8/3/2005	
T/R Hydrocarbons:	C23-C32	16	10	mg/Kg	1	8/3/2005	
T/R Hydrocarbons:	>C32	ND	10	mg/Kg	1	8/3/2005	

HYDROCARBON CHAIN IDENTIFICATION

EPA 8015B

RunID:	GC2_050802B	QC Batch:	E05VS198	PrepDate:		Analyst:	TT
T/R Hydrocarbons:	C4-C12	ND	1.0	mg/Kg	1	8/2/2005	

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID:	MS1_050805B	QC Batch:	P05VS123	PrepDate:	7/27/2005	Analyst:	MFR
Benzene	ND	4.7	µg/Kg	1	8/5/2005		
Di-isopropyl ether	ND	4.7	µg/Kg	1	8/5/2005		
Ethyl Tert-butyl ether	ND	4.7	µg/Kg	1	8/5/2005		
Ethylbenzene	ND	4.7	µg/Kg	1	8/5/2005		
m,p-Xylene	ND	9.3	µg/Kg	1	8/5/2005		
MTBE	ND	4.7	µg/Kg	1	8/5/2005		
o-Xylene	ND	4.7	µg/Kg	1	8/5/2005		
Tert-amyl methyl ether	ND	4.7	µg/Kg	1	8/5/2005		
Tert-Butanol	ND	93	µg/Kg	1	8/5/2005		
Toluene	ND	4.7	µg/Kg	1	8/5/2005		

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	E - Value above quantitation range
	DO - Surrogate Diluted Out	H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 09-Aug-05

CLIENT:	SCS Engineers	Client Sample ID:	MW2-9'
Lab Order:	077857		
Project:	LB CITY TOW YARD, 01204007.02	Collection Date:	7/27/2005 1:53:00 PM
Lab ID:	077857-008	Matrix:	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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HYDROCARBON CHAIN IDENTIFICATION

(LUFT)

EPA 8015B(M)

RunID: GC8_050802B	QC Batch: 23720	PrepDate: 8/1/2005	Analyst: CBR
T/R Hydrocarbons: C13-C22	28	10	mg/Kg
T/R Hydrocarbons: C23-C32	16	10	mg/Kg
T/R Hydrocarbons:>C32	ND	10	mg/Kg

HYDROCARBON CHAIN IDENTIFICATION

EPA 8015B

RunID: GC2_050802B	QC Batch: E05VS198	PrepDate:	Analyst: TT
T/R Hydrocarbons: C4-C12	330	50	mg/Kg

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS1_050805B	QC Batch: P05VS123	PrepDate: 7/27/2005	Analyst: MFR
Benzene	ND	230	µg/Kg
Di-isopropyl ether	ND	230	µg/Kg
Ethyl Tert-butyl ether	ND	230	µg/Kg
Ethylbenzene	9600	230	µg/Kg
m,p-Xylene	20000	450	µg/Kg
MTBE	ND	230	µg/Kg
o-Xylene	310	230	µg/Kg
Tert-amyl methyl ether	ND	230	µg/Kg
Tert-Butanol	ND	4500	µg/Kg
Toluene	ND	230	µg/Kg

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	E - Value above quantitation range
	DO - Surrogate Diluted Out	H-Samples exceeding holding time

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Results are wet unless otherwise specified



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Laboratories

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3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 09-Aug-05

CLIENT: SCS Engineers
Lab Order: 077857
Project: LB CITY TOW YARD, 01204007.02
Lab ID: 077857-009

Client Sample ID: MW2-13'
Collection Date: 7/27/2005 2:03:00 PM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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**HYDROCARBON CHAIN IDENTIFICATION
(LUFT)****EPA 8015B(M)**

RunID: GC8_050802B	QC Batch: 23720	PrepDate: 8/1/2005	Analyst: CBR		
T/R Hydrocarbons: C13-C22	13	10	mg/Kg	1	8/3/2005
T/R Hydrocarbons: C23-C32	13	10	mg/Kg	1	8/3/2005
T/R Hydrocarbons:>C32	ND	10	mg/Kg	1	8/3/2005

HYDROCARBON CHAIN IDENTIFICATION**EPA 8015B**

RunID: GC2_050802B	QC Batch: E05VS198	PrepDate:	Analyst: TT		
T/R Hydrocarbons: C4-C12	ND	1.0	mg/Kg	1	8/3/2005

VOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 8260B**

RunID: MS1_050805B	QC Batch: P05VS123	PrepDate: 7/27/2005	Analyst: MFR		
Benzene	ND	4.3	µg/Kg	1	8/6/2005
Di-isopropyl ether	ND	4.3	µg/Kg	1	8/6/2005
Ethyl Tert-butyl ether	ND	4.3	µg/Kg	1	8/6/2005
Ethylbenzene	ND	4.3	µg/Kg	1	8/6/2005
m,p-Xylene	ND	8.5	µg/Kg	1	8/6/2005
MTBE	ND	4.3	µg/Kg	1	8/6/2005
o-Xylene	ND	4.3	µg/Kg	1	8/6/2005
Tert-amyl methyl ether	ND	4.3	µg/Kg	1	8/6/2005
Tert-Butanol	ND	85	µg/Kg	1	8/6/2005
Toluene	ND	4.3	µg/Kg	1	8/6/2005

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceeding holding time

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Results are wet unless otherwise specified





CLIENT: SCS Engineers
Work Order: 077857
Project: LB CITY TOW YARD, 01204007.02

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S_5035

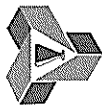
Sample ID: P050805MB4	SampType: MBLK	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:	Run ID: MS1_050805B						
Client ID: ZZZZZ	Batch ID: P05VS123	TestNo: EPA 8260B		Analysis Date: 8/5/2005	SeqNo: 773841						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	ND	5.0									
Di-isopropyl ether	ND	5.0									
Ethyl Tert-butyl ether	ND	5.0									
Ethylbenzene	ND	5.0									
m,p-Xylene	ND	10									
MTBE	ND	5.0									
o-Xylene	ND	5.0									
Tert-amyl methyl ether	ND	5.0									
Tert-Butanol	ND	100									
Toluene	ND	5.0									
Surr: 1,2-Dichloroethane-d4	49.35	5.0	50	0	98.7	66	149	0	0		
Surr: 4-Bromofluorobenzene	48.63	5.0	50	0	97.3	83	125	0	0		
Surr: Dibromofluoromethane	50.06	5.0	50	0	100	75	139	0	0		
Surr: Toluene-d8	51.38	5.0	50	0	103	87	133	0	0		

Sample ID: P050805LC2	SampType: LCS	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:	Run ID: MS1_050805B						
Client ID: ZZZZZ	Batch ID: P05VS123	TestNo: EPA 8260B		Analysis Date: 8/5/2005	SeqNo: 773838						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	96.02	5.0	100	0	96	80	121	0	0		
MTBE	87.19	5.0	100	0	87.2	59	126	0	0		
Toluene	94.75	5.0	100	0	94.8	84	126	0	0		
Surr: 1,2-Dichloroethane-d4	46.2	5.0	50	0	92.4	66	149	0	0		
Surr: 4-Bromofluorobenzene	52	5.0	50	0	104	83	125	0	0		
Surr: Dibromofluoromethane	47.88	5.0	50	0	95.8	75	139	0	0		
Surr: Toluene-d8	51.75	5.0	50	0	104	87	133	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits DO- Surrogate dilute out
J - Analyte detected below quantitation limits B - Analyte detected in the associated Method Blank H - Sample exceeded holding time
R - RPD outside accepted recovery limits Calculations are based on raw values



CLIENT: SCS Engineers
Work Order: 077857
Project: LB CITY TOW YARD, 01204007.02

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S_5035

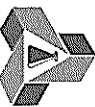
Sample ID: P050805MB4MS		SampType: MS		TestCode: 8260_S_5035 Units: µg/Kg		Prep Date:			Run ID: MS1_050805B		
Client ID: ZZZZZ		Batch ID: P05VS123		TestNo: EPA 8260B		Analysis Date: 8/5/2005			SeqNo: 773839		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	96.6	5.0	100	0	96.6	52	143	0	0		
MTBE	89.44	5.0	100	0	89.4	34	156	0	0		
Toluene	95.43	5.0	100	1.47	94	54	146	0	0		
Surr: 1,2-Dichloroethane-d4	47.58	5.0	50	0	95.2	66	149	0	0		
Surr: 4-Bromofluorobenzene	51.65	5.0	50	0	103	83	125	0	0		
Surr: Dibromofluoromethane	47.23	5.0	50	0	94.5	75	139	0	0		
Surr: Toluene-d8	51.68	5.0	50	0	103	87	133	0	0		

Sample ID: P050805MB4MSD		SampType: MSD		TestCode: 8260_S_5035 Units: µg/Kg		Prep Date:			Run ID: MS1_050805B		
Client ID: ZZZZZ		Batch ID: P05VS123		TestNo: EPA 8260B		Analysis Date: 8/5/2005			SeqNo: 773840		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	98.57	5.0	100	0	98.6	52	143	96.6	2.02	30	
MTBE	91.83	5.0	100	0	91.8	34	156	89.44	2.64	30	
Toluene	98.86	5.0	100	1.47	97.4	54	146	95.43	3.53	30	
Surr: 1,2-Dichloroethane-d4	47.91	5.0	50	0	95.8	66	149	0	0	30	
Surr: 4-Bromofluorobenzene	54.35	5.0	50	0	109	83	125	0	0	30	
Surr: Dibromofluoromethane	49.61	5.0	50	0	99.2	75	139	0	0	30	
Surr: Toluene-d8	51.92	5.0	50	0	104	87	133	0	0	30	

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values

DO- Surrogate dilute out
H - Sample exceeded holding time



Advanced Technologies
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CLIENT: SCS Engineers
Work Order: 077857
Project: LB CITY TOW YARD, 01204007.02

ANALYTICAL QC SUMMARY REPORT

TestCode: HC_S_VOAC4C12

Sample ID: E080205MB1	SampType: MBLK	TestCode: HC_S_VOAC	Units: mg/Kg	Prep Date:	Run ID: GC2_050802A						
Client ID: ZZZZZ	Batch ID: E05VS197	TestNo: EPA 8015B		Analysis Date: 8/2/2005	SeqNo: 771818						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

T/R Hydrocarbons: C4-C12	ND	1.0									
Surr: Bromofluorobenzene (FID)	71.21	1.0	100	0	71.2	35	139	0	0		

Sample ID: E080205MB2	SampType: MBLK	TestCode: HC_S_VOAC	Units: mg/Kg	Prep Date:	Run ID: GC2_050802B						
Client ID: ZZZZZ	Batch ID: E05VS198	TestNo: EPA 8015B	Analysis Date: 8/2/2005	SeqNo: 772015							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

T/R Hydrocarbons: C4-C12	ND	1.0									
Surr: Bromofluorobenzene (FID)	71.55	1.0	100	0	71.6	35	139	0	0		

Sample ID: E080205LCS1	SampType: LCS	TestCode: HC_S_VOAC	Units: mg/Kg	Prep Date:	Run ID: GC2_050802A						
Client ID: ZZZZZ	Batch ID: E05VS197	TestNo: EPA 8015B		Analysis Date: 8/2/2005	SeqNo: 771809						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

T/R Hydrocarbons: C4-C12	5.564	1.0	5	0	111	79	117	0	0		
Surr: Bromofluorobenzene (FID)	88.53	1.0	100	0	88.5	35	139	0	0		

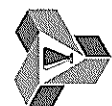
Sample ID: E080205LCS3	SampType: LCS	TestCode: HC_S_VOAC	Units: mg/Kg	Prep Date:	Run ID: GC2_050802B						
Client ID: ZZZZZ	Batch ID: E05VS198	TestNo: EPA 8015B		Analysis Date: 8/3/2005	SeqNo: 772023						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

T/R Hydrocarbons: C4-C12	5.497	1.0	5	0	110	79	117	0	0		
Surr: Bromofluorobenzene (FID)	87.65	1.0	100	0	87.7	35	139	0	0		

Sample ID: 077854-025AMS	SampType: MS	TestCode: HC_S_VOAC	Units: mg/Kg	Prep Date:	Run ID: GC2_050802A						
Client ID: ZZZZZ	Batch ID: E05VS197	TestNo: EPA 8015B		Analysis Date: 8/2/2005	SeqNo: 771811						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

T/R Hydrocarbons: C4-C12	4.88	1.0	5	0	97.6	35	134	0	0		
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Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits	DO- Surrogate dilute out
	J - Analyte detected below quantitation limits	B - Analyte detected in the associated Method Blank	H - Sample exceeded holding time
	R - RPD outside accepted recovery limits	Calculations are based on raw values	



CLIENT: SCS Engineers
Work Order: 077857
Project: LB CITY TOW YARD, 01204007.02

ANALYTICAL QC SUMMARY REPORT

TestCode: HC_S_VOAC4C12

Sample ID: 077854-025AMS	SampType: MS	TestCode: HC_S_VOAC	Units: mg/Kg	Prep Date:	Run ID: GC2_050802A						
Client ID: ZZZZZ	Batch ID: E05VS197	TestNo: EPA 8015B		Analysis Date: 8/2/2005	SeqNo: 771811						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: Bromofluorobenzene (FID)	87.42	1.0	100	0	87.4	35	139	0	0		
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Sample ID: 077852-031AMS	SampType: MS	TestCode: HC_S_VOAC	Units: mg/Kg	Prep Date:	Run ID: GC2_050802B						
Client ID: ZZZZZ	Batch ID: E05VS198	TestNo: EPA 8015B		Analysis Date: 8/3/2005	SeqNo: 772021						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

T/R Hydrocarbons: C4-C12	4.962	1.0	5	0	99.2	35	134	0	0		
Surr: Bromofluorobenzene (FID)	85.88	1.0	100	0	85.9	35	139	0	0		

Sample ID: 077854-025AMSD	SampType: MSD	TestCode: HC_S_VOAC	Units: mg/Kg	Prep Date:	Run ID: GC2_050802A						
Client ID: ZZZZZ	Batch ID: E05VS197	TestNo: EPA 8015B		Analysis Date: 8/2/2005	SeqNo: 771812						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

T/R Hydrocarbons: C4-C12	5.178	1.0	5	0	104	35	134	4.88	5.93	30	
Surr: Bromofluorobenzene (FID)	88.7	1.0	100	0	88.7	35	139	0	0	0	

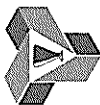
Sample ID: 077852-031AMSD	SampType: MSD	TestCode: HC_S_VOAC	Units: mg/Kg	Prep Date:	Run ID: GC2_050802B						
Client ID: ZZZZZ	Batch ID: E05VS198	TestNo: EPA 8015B		Analysis Date: 8/3/2005	SeqNo: 772022						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

T/R Hydrocarbons: C4-C12	4.74	1.0	5	0	94.8	35	134	4.962	4.58	30	
Surr: Bromofluorobenzene (FID)	82.9	1.0	100	0	82.9	35	139	0	0	0	

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values

DO- Surrogate dilute out
H - Sample exceeded holding time



CLIENT: SCS Engineers
Work Order: 077857
Project: LB CITY TOW YARD, 01204007.02

ANALYTICAL QC SUMMARY REPORT

TestCode: HC_S_SEMI

Sample ID: MB-23702	SampType: MBLK	TestCode: HC_S_SEMI	Units: mg/Kg	Prep Date: 7/29/2005	Run ID: GC8_050801B						
Client ID: ZZZZZ	Batch ID: 23702	TestNo: EPA 8015B(M (LUFT)	Analysis Date: 8/1/2005	SeqNo: 772086							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

T/R Hydrocarbons: C13-C22	ND	10									
T/R Hydrocarbons: C23-C32	ND	10									
T/R Hydrocarbons:>C32	ND	10									
Surr: p-Terphenyl	87.78	0	80	0	110	51	128	0	0		

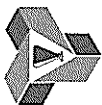
Sample ID: MB-23720	SampType: MBLK	TestCode: HC_S_SEMI	Units: mg/Kg	Prep Date: 8/1/2005	Run ID: GC8_050802B						
Client ID: ZZZZZ	Batch ID: 23720	TestNo: EPA 8015B(M (LUFT)		Analysis Date: 8/2/2005	SeqNo: 772641						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

T/R Hydrocarbons: C13-C22	ND	10									
T/R Hydrocarbons: C23-C32	ND	10									
T/R Hydrocarbons:>C32	ND	10									
Surr: p-Terphenyl	91.69	0	80	0	115	51	128	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values

DO- Surrogate dilute out
H - Sample exceeded holding time



CLIENT: SCS Engineers
Work Order: 077857
Project: LB CITY TOW YARD, 01204007.02

ANALYTICAL QC SUMMARY REPORT**BatchID: 23702**

Sample ID: LCS-23702	SampType: LCS	TestCode: 8015_S_DM	Units: mg/Kg	Prep Date: 7/29/2005	Run ID: GC8_050801B						
Client ID: ZZZZZ	Batch ID: 23702	TestNo: EPA 8015B(M (LUFT)		Analysis Date: 8/1/2005	SeqNo: 772081						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	1177	10	1000	0	118	68	126	0	0		
Surr: p-Terphenyl	90.15	0	80	0	113	51	128	0	0		

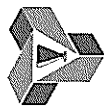
Sample ID: 077849-005GMS	SampType: MS	TestCode: 8015_S_DM	Units: mg/Kg	Prep Date: 7/29/2005	Run ID: GC8_050801B						
Client ID: ZZZZZ	Batch ID: 23702	TestNo: EPA 8015B(M (LUFT)		Analysis Date: 8/1/2005	SeqNo: 772083						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	1176	10	1000	16.94	116	49	139	0	0		
Surr: p-Terphenyl	85.42	0	80	0	107	51	128	0	0		

Sample ID: 077849-005GMSD	SampType: MSD	TestCode: 8015_S_DM	Units: mg/Kg	Prep Date: 7/29/2005	Run ID: GC8_050801B						
Client ID: ZZZZZ	Batch ID: 23702	TestNo: EPA 8015B(M (LUFT)	Analysis Date: 8/1/2005	SeqNo: 772084							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	1195	10	1000	16.94	118	49	139	1176	1.53	30	
Surr: p-Terphenyl	92.2	0	80	0	115	51	128	0	0	30	

Sample ID: LCS-23702	SampType: LCS	TestCode: 8015_S_DSL	Units: mg/Kg	Prep Date: 7/29/2005	Run ID: GC8_050801B						
Client ID: ZZZZZ	Batch ID: 23702	TestNo: EPA 8015B(M (LUFT)		Analysis Date: 8/1/2005	SeqNo: 771499						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	1177	10	1000	0	118	68	126	0	0		
Surr: p-Terphenyl	90.15	0	80	0	113	51	128	0	0		

Sample ID: 077849-005GMS	SampType: MS	TestCode: 8015_S_DSL	Units: mg/Kg	Prep Date: 7/29/2005	Run ID: GC8_050801B						
Client ID: ZZZZZ	Batch ID: 23702	TestNo: EPA 8015B(M (LUFT)		Analysis Date: 8/1/2005	SeqNo: 771501						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike/Surrogate outside limits due to matrix interference DO - Surrogate diluted out
 J - Analyte detected below quantitation limits B - Analyte detected in the associated Method Blank H - Sample exceeded holding time
 R - RPD outside accepted recovery limits **Calculations are based on raw values**



CLIENT: SCS Engineers
Work Order: 077857
Project: LB CITY TOW YARD, 01204007.02

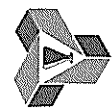
ANALYTICAL QC SUMMARY REPORT

BatchID: 23702

Sample ID: 077849-005GMS	SampType: MS	TestCode: 8015_S_DSL	Units: mg/Kg	Prep Date: 7/29/2005	Run ID: GC8_050801B						
Client ID: ZZZZZ	Batch ID: 23702	TestNo: EPA 8015B(M (LUFT)		Analysis Date: 8/1/2005	SeqNo: 771501						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	1176	10	1000	16.94	116	49	139	0	0		
Surr: p-Terphenyl	85.42	0	80	0	107	51	128	0	0		

Sample ID: 077849-005GMSD	SampType: MSD	TestCode: 8015_S_DSL	Units: mg/Kg	Prep Date: 7/29/2005	Run ID: GC8_050801B						
Client ID: ZZZZZ	Batch ID: 23702	TestNo: EPA 8015B(M (LUFT)	Analysis Date: 8/1/2005	SeqNo: 771502							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	1195	10	1000	16.94	118	49	139	1176	1.53	30	
Surr: p-Terphenyl	92.2	0	80	0	115	51	128	0	0	0	

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike/Surrogate outside limits due to matrix interference
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO - Surrogate diluted out
H - Sample exceeded holding time



Advanced Technology
Laboratories

3275 Walnut Avenue

Signal Hill, CA 90755

Tel: 562 989-4045

Fax: 562 989-4040

CLIENT: SCS Engineers
Work Order: 077857
Project: LB CITY TOW YARD, 01204007.02

ANALYTICAL QC SUMMARY REPORT

BatchID: 23720

Sample ID: LCS-23720	SampType: LCS	TestCode: 8015_S_DM	Units: mg/Kg	Prep Date: 8/1/2005	Run ID: GC8_050802B						
Client ID: ZZZZZ	Batch ID: 23720	TestNo: EPA 8015B(M (LUFT)		Analysis Date: 8/3/2005	SeqNo: 772615						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	1069	10	1000	0	107	68	126	0	0		
Surr: p-Terphenyl	87.63	0	80	0	110	51	128	0	0		

Sample ID: 077870-066AMS	SampType: MS	TestCode: 8015_S_DM	Units: mg/Kg	Prep Date: 8/1/2005	Run ID: GC8_050802B						
Client ID: ZZZZZ	Batch ID: 23720	TestNo: EPA 8015B(M (LUFT)		Analysis Date: 8/3/2005	SeqNo: 772617						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	1190	10	1000	19.65	117	49	139	0	0		
Surr: p-Terphenyl	87.82	0	80	0	110	51	128	0	0		

Sample ID: 077870-066AMSD	SampType: MSD	TestCode: 8015_S_DM	Units: mg/Kg	Prep Date: 8/1/2005	Run ID: GC8_050802B						
Client ID: ZZZZZ	Batch ID: 23720	TestNo: EPA 8015B(M (LUFT)		Analysis Date: 8/3/2005	SeqNo: 772618						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	1101	10	1000	19.65	108	49	139	1190	7.75	30	
Surr: p-Terphenyl	80	0	80	0	100	51	128	0	0	30	

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits

S - Spike/Surrogate outside limits due to matrix interference
B - Analyte detected in the associated Method Blank
Calculations are based on raw values

DO - Surrogate diluted out
H - Sample exceeded holding time

June 28, 2005



Kevin Green
SCS Engineers
3900 Kilroy Airport Way, Suite 100
Long Beach, CA 90806-6816

ELAP No.: 1838
NELAP No.: 02107CA
CSDLAC No.: 10196

TEL: (562) 426-9544
FAX: (562) 427-0805

Workorder No.: 077300

RE: Long Beach City Tow Yard, 01204007.02

Attention: Kevin Green

Enclosed are the results for sample(s) received on June 22, 2005 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.



CLIENT: SCS Engineers
Project: Long Beach City Tow Yard, 01204007.02
Lab Order: 077300

CASE NARRATIVE

All volatile analyses were performed using 5035 preservation requirements. Any high level dilutions were performed on a preserved methanol sample unless otherwise noted.



Advanced Technology Laboratories

Date: 28-Jun-05

CLIENT: SCS Engineers **Client Sample ID:** SCSB7-5'
Lab Order: 077300
Project: Long Beach City Tow Yard, 01204007.02 **Collection Date:** 6/21/2005
Lab ID: 077300-001 **Matrix:** SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC1_050624A	QC Batch: D05VS122	PrepDate: 6/21/2005	Analyst: TT
GRO	ND	40	mg/Kg
		50	6/24/2005

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS1_050624A	QC Batch: P05VS095	PrepDate: 6/21/2005	Analyst: HH
1,1,1,2-Tetrachloroethane	ND	3.8	µg/Kg
1,1,1-Trichloroethane	ND	3.8	µg/Kg
1,1,2,2-Tetrachloroethane	ND	3.8	µg/Kg
1,1,2-Trichloroethane	ND	3.8	µg/Kg
1,1-Dichloroethane	ND	3.8	µg/Kg
1,1-Dichloroethene	ND	3.8	µg/Kg
1,1-Dichloropropene	ND	3.8	µg/Kg
1,2,3-Trichlorobenzene	ND	3.8	µg/Kg
1,2,3-Trichloropropane	ND	3.8	µg/Kg
1,2,4-Trichlorobenzene	ND	3.8	µg/Kg
1,2,4-Trimethylbenzene	ND	3.8	µg/Kg
1,2-Dibromo-3-chloropropane	ND	7.6	µg/Kg
1,2-Dibromoethane	ND	3.8	µg/Kg
1,2-Dichlorobenzene	ND	3.8	µg/Kg
1,2-Dichloroethane	ND	3.8	µg/Kg
1,2-Dichloropropane	ND	3.8	µg/Kg
1,3,5-Trimethylbenzene	ND	3.8	µg/Kg
1,3-Dichlorobenzene	ND	3.8	µg/Kg
1,3-Dichloropropane	ND	3.8	µg/Kg
1,4-Dichlorobenzene	ND	3.8	µg/Kg
2,2-Dichloropropane	ND	3.8	µg/Kg
2-Chlorotoluene	ND	3.8	µg/Kg
4-Chlorotoluene	ND	3.8	µg/Kg
4-Isopropyltoluene	ND	3.8	µg/Kg
Benzene	ND	3.8	µg/Kg
Bromobenzene	ND	3.8	µg/Kg
Bromodichloromethane	ND	3.8	µg/Kg
Bromoform	ND	3.8	µg/Kg
Bromomethane	ND	3.8	µg/Kg
Carbon tetrachloride	ND	3.8	µg/Kg
Chlorobenzene	ND	3.8	µg/Kg

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank E - Value above quantitation range
 DO - Surrogate Diluted Out H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 28-Jun-05

CLIENT:	SCS Engineers	Client Sample ID:	SCSB7-5'
Lab Order:	077300		
Project:	Long Beach City Tow Yard, 01204007.02	Collection Date:	6/21/2005
Lab ID:	077300-001	Matrix:	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 8260B**

RunID:	MS1_050624A	QC Batch:	P05VS095	PrepDate:	6/21/2005	Analyst:	HH
Chloroethane	ND	3.8	µg/Kg	1		6/24/2005	
Chloroform	ND	3.8	µg/Kg	1		6/24/2005	
Chloromethane	ND	3.8	µg/Kg	1		6/24/2005	
cis-1,2-Dichloroethene	ND	3.8	µg/Kg	1		6/24/2005	
cis-1,3-Dichloropropene	ND	3.8	µg/Kg	1		6/24/2005	
Di-isopropyl ether	ND	3.8	µg/Kg	1		6/24/2005	
Dibromochloromethane	ND	3.8	µg/Kg	1		6/24/2005	
Dibromomethane	ND	3.8	µg/Kg	1		6/24/2005	
Dichlorodifluoromethane	ND	3.8	µg/Kg	1		6/24/2005	
Ethyl Tert-butyl ether	ND	3.8	µg/Kg	1		6/24/2005	
Ethylbenzene	ND	3.8	µg/Kg	1		6/24/2005	
Hexachlorobutadiene	ND	3.8	µg/Kg	1		6/24/2005	
Isopropylbenzene	ND	3.8	µg/Kg	1		6/24/2005	
m,p-Xylene	ND	7.6	µg/Kg	1		6/24/2005	
Methylene chloride	ND	3.8	µg/Kg	1		6/24/2005	
MTBE	ND	3.8	µg/Kg	1		6/24/2005	
n-Butylbenzene	ND	3.8	µg/Kg	1		6/24/2005	
n-Propylbenzene	ND	3.8	µg/Kg	1		6/24/2005	
Naphthalene	ND	3.8	µg/Kg	1		6/24/2005	
o-Xylene	ND	3.8	µg/Kg	1		6/24/2005	
sec-Butylbenzene	ND	3.8	µg/Kg	1		6/24/2005	
Styrene	ND	3.8	µg/Kg	1		6/24/2005	
Tert-amyl methyl ether	ND	3.8	µg/Kg	1		6/24/2005	
Tert-Butanol	ND	76	µg/Kg	1		6/24/2005	
tert-Butylbenzene	ND	3.8	µg/Kg	1		6/24/2005	
Tetrachloroethene	ND	3.8	µg/Kg	1		6/24/2005	
Toluene	ND	3.8	µg/Kg	1		6/24/2005	
trans-1,2-Dichloroethene	ND	3.8	µg/Kg	1		6/24/2005	
Trichloroethene	ND	3.8	µg/Kg	1		6/24/2005	
Trichlorofluoromethane	ND	3.8	µg/Kg	1		6/24/2005	
Vinyl chloride	ND	3.8	µg/Kg	1		6/24/2005	

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	E - Value above quantitation range
	DO - Surrogate Diluted Out	H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 28-Jun-05

CLIENT: SCS Engineers **Client Sample ID:** SCSB7-10'
Lab Order: 077300
Project: Long Beach City Tow Yard, 01204007.02 **Collection Date:** 6/21/2005
Lab ID: 077300-002 **Matrix:** SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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GASOLINE RANGE ORGANICS BY GC/FID**EPA 8015B(M)**

RunID: GC1_050624A QC Batch: D05VS122 PrepDate: 6/21/2005 Analyst: TT
GRO 310 39 mg/Kg 50 6/24/2005

VOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 8260B**

RunID:	MS1_050627A	QC Batch:	P05VS096	PrepDate:	6/21/2005	Analyst:	HH
1,1,1,2-Tetrachloroethane	ND	190	µg/Kg	50	6/27/2005		
1,1,1-Trichloroethane	ND	190	µg/Kg	50	6/27/2005		
1,1,2,2-Tetrachloroethane	ND	190	µg/Kg	50	6/27/2005		
1,1,2-Trichloroethane	ND	190	µg/Kg	50	6/27/2005		
1,1-Dichloroethane	ND	190	µg/Kg	50	6/27/2005		
1,1-Dichloroethene	ND	190	µg/Kg	50	6/27/2005		
1,1-Dichloropropene	ND	190	µg/Kg	50	6/27/2005		
1,2,3-Trichlorobenzene	ND	190	µg/Kg	50	6/27/2005		
1,2,3-Trichloropropane	ND	190	µg/Kg	50	6/27/2005		
1,2,4-Trichlorobenzene	ND	190	µg/Kg	50	6/27/2005		
1,2,4-Trimethylbenzene	1800	190	µg/Kg	50	6/27/2005		
1,2-Dibromo-3-chloropropane	ND	390	µg/Kg	50	6/27/2005		
1,2-Dibromoethane	ND	190	µg/Kg	50	6/27/2005		
1,2-Dichlorobenzene	ND	190	µg/Kg	50	6/27/2005		
1,2-Dichloroethane	ND	190	µg/Kg	50	6/27/2005		
1,2-Dichloropropane	ND	190	µg/Kg	50	6/27/2005		
1,3,5-Trimethylbenzene	930	190	µg/Kg	50	6/27/2005		
1,3-Dichlorobenzene	ND	190	µg/Kg	50	6/27/2005		
1,3-Dichloropropane	ND	190	µg/Kg	50	6/27/2005		
1,4-Dichlorobenzene	ND	190	µg/Kg	50	6/27/2005		
2,2-Dichloropropane	ND	190	µg/Kg	50	6/27/2005		
2-Chlorotoluene	ND	190	µg/Kg	50	6/27/2005		
4-Chlorotoluene	ND	190	µg/Kg	50	6/27/2005		
4-Isopropyltoluene	390	190	µg/Kg	50	6/27/2005		
Benzene	ND	190	µg/Kg	50	6/27/2005		
Bromobenzene	ND	190	µg/Kg	50	6/27/2005		
Bromodichloromethane	ND	190	µg/Kg	50	6/27/2005		
Bromoform	ND	190	µg/Kg	50	6/27/2005		
Bromomethane	ND	190	µg/Kg	50	6/27/2005		
Carbon tetrachloride	ND	190	µg/Kg	50	6/27/2005		
Chlorobenzene	ND	190	µg/Kg	50	6/27/2005		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 28-Jun-05

CLIENT:	SCS Engineers	Client Sample ID:	SCSB7-10'
Lab Order:	077300		
Project:	Long Beach City Tow Yard, 01204007.02	Collection Date:	6/21/2005
Lab ID:	077300-002	Matrix:	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 8260B**

RunID: MS1_050627A	QC Batch: P05VS096	PrepDate: 6/21/2005	Analyst: HH		
Chloroethane	ND	190	µg/Kg	50	6/27/2005
Chloroform	ND	190	µg/Kg	50	6/27/2005
Chloromethane	ND	190	µg/Kg	50	6/27/2005
cis-1,2-Dichloroethene	ND	190	µg/Kg	50	6/27/2005
cis-1,3-Dichloropropene	ND	190	µg/Kg	50	6/27/2005
Di-isopropyl ether	ND	190	µg/Kg	50	6/27/2005
Dibromochloromethane	ND	190	µg/Kg	50	6/27/2005
Dibromomethane	ND	190	µg/Kg	50	6/27/2005
Dichlorodifluoromethane	ND	190	µg/Kg	50	6/27/2005
Ethyl Tert-butyl ether	ND	190	µg/Kg	50	6/27/2005
Ethylbenzene	1500	190	µg/Kg	50	6/27/2005
Hexachlorobutadiene	ND	190	µg/Kg	50	6/27/2005
Isopropylbenzene	1100	190	µg/Kg	50	6/27/2005
m,p-Xylene	400	390	µg/Kg	50	6/27/2005
Methylene chloride	ND	190	µg/Kg	50	6/27/2005
MTBE	ND	190	µg/Kg	50	6/27/2005
n-Butylbenzene	2400	190	µg/Kg	50	6/27/2005
n-Propylbenzene	4000	190	µg/Kg	50	6/27/2005
Naphthalene	2500	190	µg/Kg	50	6/27/2005
o-Xylene	ND	190	µg/Kg	50	6/27/2005
sec-Butylbenzene	690	190	µg/Kg	50	6/27/2005
Styrene	ND	190	µg/Kg	50	6/27/2005
Tert-amyl methyl ether	ND	190	µg/Kg	50	6/27/2005
Tert-Butanol	ND	3900	µg/Kg	50	6/27/2005
tert-Butylbenzene	ND	190	µg/Kg	50	6/27/2005
Tetrachloroethene	ND	190	µg/Kg	50	6/27/2005
Toluene	ND	190	µg/Kg	50	6/27/2005
trans-1,2-Dichloroethene	ND	190	µg/Kg	50	6/27/2005
Trichloroethene	ND	190	µg/Kg	50	6/27/2005
Trichlorofluoromethane	ND	190	µg/Kg	50	6/27/2005
Vinyl chloride	ND	190	µg/Kg	50	6/27/2005

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	E - Value above quantitation range
	DO - Surrogate Diluted Out	H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 28-Jun-05

CLIENT:	SCS Engineers	Client Sample ID:	SCSB7-GW
Lab Order:	077300		
Project:	Long Beach City Tow Yard, 01204007.02	Collection Date:	6/21/2005
Lab ID:	077300-003	Matrix:	WATER

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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GASOLINE RANGE ORGANICS BY GC/FID**EPA 8015B(M)**

RunID:	GC6_050624A	QC Batch:	I05VW121	PrepDate:		Analyst: MFR
GRO	6.8	0.20	mg/L	1		6/24/2005

VOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 8260B**

RunID:	MS11_050628A	QC Batch:	A05VW187	PrepDate:		Analyst: MFR
1,1,1,2-Tetrachloroethane	ND	5.0	µg/L	1		6/28/2005
1,1,1-Trichloroethane	ND	5.0	µg/L	1		6/28/2005
1,1,2,2-Tetrachloroethane	ND	5.0	µg/L	1		6/28/2005
1,1,2-Trichloroethane	ND	5.0	µg/L	1		6/28/2005
1,1-Dichloroethane	ND	5.0	µg/L	1		6/28/2005
1,1-Dichloroethene	ND	5.0	µg/L	1		6/28/2005
1,1-Dichloropropene	ND	5.0	µg/L	1		6/28/2005
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		6/28/2005
1,2,3-Trichloropropane	ND	5.0	µg/L	1		6/28/2005
1,2,4-Trichlorobenzene	ND	5.0	µg/L	1		6/28/2005
1,2,4-Trimethylbenzene	81	5.0	µg/L	1		6/28/2005
1,2-Dibromo-3-chloropropane	ND	5.0	µg/L	1		6/28/2005
1,2-Dibromoethane	ND	5.0	µg/L	1		6/28/2005
1,2-Dichlorobenzene	ND	5.0	µg/L	1		6/28/2005
1,2-Dichloroethane	ND	5.0	µg/L	1		6/28/2005
1,2-Dichloropropane	ND	5.0	µg/L	1		6/28/2005
1,3,5-Trimethylbenzene	43	5.0	µg/L	1		6/28/2005
1,3-Dichlorobenzene	ND	5.0	µg/L	1		6/28/2005
1,3-Dichloropropane	ND	5.0	µg/L	1		6/28/2005
1,4-Dichlorobenzene	ND	5.0	µg/L	1		6/28/2005
2,2-Dichloropropane	ND	5.0	µg/L	1		6/28/2005
2-Chlorotoluene	ND	5.0	µg/L	1		6/28/2005
4-Chlorotoluene	ND	5.0	µg/L	1		6/28/2005
4-Isopropyltoluene	8.6	5.0	µg/L	1		6/28/2005
Benzene	340	50	µg/L	10		6/28/2005
Bromobenzene	ND	5.0	µg/L	1		6/28/2005
Bromodichloromethane	ND	5.0	µg/L	1		6/28/2005
Bromoform	ND	5.0	µg/L	1		6/28/2005
Bromomethane	ND	5.0	µg/L	1		6/28/2005
Carbon tetrachloride	ND	5.0	µg/L	1		6/28/2005
Chlorobenzene	ND	5.0	µg/L	1		6/28/2005

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 28-Jun-05

CLIENT: SCS Engineers **Client Sample ID:** SCSB7-GW
Lab Order: 077300
Project: Long Beach City Tow Yard, 01204007.02 **Collection Date:** 6/21/2005
Lab ID: 077300-003 **Matrix:** WATER

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 8260B**

RunID: MS11_050628A	QC Batch: A05VW187	PrepDate:	Analyst: MFR		
Chloroethane	ND	5.0	µg/L	1	6/28/2005
Chloroform	ND	5.0	µg/L	1	6/28/2005
Chloromethane	ND	5.0	µg/L	1	6/28/2005
cis-1,2-Dichloroethene	ND	5.0	µg/L	1	6/28/2005
cis-1,3-Dichloropropene	ND	5.0	µg/L	1	6/28/2005
Di-isopropyl ether	ND	5.0	µg/L	1	6/28/2005
Dibromochloromethane	ND	5.0	µg/L	1	6/28/2005
Dibromomethane	ND	5.0	µg/L	1	6/28/2005
Dichlorodifluoromethane	ND	5.0	µg/L	1	6/28/2005
Ethyl tert-butyl ether	ND	5.0	µg/L	1	6/28/2005
Ethylbenzene	240	50	µg/L	10	6/28/2005
Hexachlorobutadiene	ND	5.0	µg/L	1	6/28/2005
Isopropylbenzene	91	5.0	µg/L	1	6/28/2005
m,p-Xylene	120	10	µg/L	1	6/28/2005
Methylene chloride	ND	5.0	µg/L	1	6/28/2005
MTBE	ND	5.0	µg/L	1	6/28/2005
n-Butylbenzene	26	5.0	µg/L	1	6/28/2005
n-Propylbenzene	250	50	µg/L	10	6/28/2005
Naphthalene	540	50	µg/L	10	6/28/2005
o-Xylene	ND	5.0	µg/L	1	6/28/2005
sec-Butylbenzene	11	5.0	µg/L	1	6/28/2005
Styrene	ND	5.0	µg/L	1	6/28/2005
Tert-amyl methyl ether	ND	5.0	µg/L	1	6/28/2005
Tert-Butanol	ND	100	µg/L	1	6/28/2005
tert-Butylbenzene	ND	5.0	µg/L	1	6/28/2005
Tetrachloroethene	ND	5.0	µg/L	1	6/28/2005
Toluene	11	5.0	µg/L	1	6/28/2005
trans-1,2-Dichloroethene	ND	5.0	µg/L	1	6/28/2005
Trichloroethene	ND	5.0	µg/L	1	6/28/2005
Trichlorofluoromethane	ND	5.0	µg/L	1	6/28/2005
Vinyl chloride	ND	5.0	µg/L	1	6/28/2005

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank E - Value above quantitation range
DO - Surrogate Diluted Out H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 28-Jun-05

CLIENT: SCS Engineers **Client Sample ID:** SCSB8-5'
Lab Order: 077300
Project: Long Beach City Tow Yard, 01204007.02 **Collection Date:** 6/21/2005
Lab ID: 077300-004 **Matrix:** SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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GASOLINE RANGE ORGANICS BY GC/FID**EPA 8015B(M)**

RunID: GC1_050624A QC Batch: D05VS122 PrepDate: 6/21/2005 Analyst: TT
GRO ND 45 mg/Kg 50 6/24/2005

VOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 8260B**

RunID:	MS1_050627A	QC Batch:	P05VS096	PrepDate:	6/21/2005	Analyst:	HH
1,1,1,2-Tetrachloroethane	ND	5.3	µg/Kg	1	6/27/2005		
1,1,1-Trichloroethane	ND	5.3	µg/Kg	1	6/27/2005		
1,1,2,2-Tetrachloroethane	ND	5.3	µg/Kg	1	6/27/2005		
1,1,2-Trichloroethane	ND	5.3	µg/Kg	1	6/27/2005		
1,1-Dichloroethane	ND	5.3	µg/Kg	1	6/27/2005		
1,1-Dichloroethene	ND	5.3	µg/Kg	1	6/27/2005		
1,1-Dichloropropene	ND	5.3	µg/Kg	1	6/27/2005		
1,2,3-Trichlorobenzene	ND	5.3	µg/Kg	1	6/27/2005		
1,2,3-Trichloropropane	ND	5.3	µg/Kg	1	6/27/2005		
1,2,4-Trichlorobenzene	ND	5.3	µg/Kg	1	6/27/2005		
1,2,4-Trimethylbenzene	ND	5.3	µg/Kg	1	6/27/2005		
1,2-Dibromo-3-chloropropane	ND	11	µg/Kg	1	6/27/2005		
1,2-Dibromoethane	ND	5.3	µg/Kg	1	6/27/2005		
1,2-Dichlorobenzene	ND	5.3	µg/Kg	1	6/27/2005		
1,2-Dichloroethane	ND	5.3	µg/Kg	1	6/27/2005		
1,2-Dichloropropane	ND	5.3	µg/Kg	1	6/27/2005		
1,3,5-Trimethylbenzene	ND	5.3	µg/Kg	1	6/27/2005		
1,3-Dichlorobenzene	ND	5.3	µg/Kg	1	6/27/2005		
1,3-Dichloropropane	ND	5.3	µg/Kg	1	6/27/2005		
1,4-Dichlorobenzene	ND	5.3	µg/Kg	1	6/27/2005		
2,2-Dichloropropane	ND	5.3	µg/Kg	1	6/27/2005		
2-Chlorotoluene	ND	5.3	µg/Kg	1	6/27/2005		
4-Chlorotoluene	ND	5.3	µg/Kg	1	6/27/2005		
4-Isopropyltoluene	ND	5.3	µg/Kg	1	6/27/2005		
Benzene	ND	5.3	µg/Kg	1	6/27/2005		
Bromobenzene	ND	5.3	µg/Kg	1	6/27/2005		
Bromodichloromethane	ND	5.3	µg/Kg	1	6/27/2005		
Bromoform	ND	5.3	µg/Kg	1	6/27/2005		
Bromomethane	ND	5.3	µg/Kg	1	6/27/2005		
Carbon tetrachloride	ND	5.3	µg/Kg	1	6/27/2005		
Chlorobenzene	ND	5.3	µg/Kg	1	6/27/2005		

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank E - Value above quantitation range
DO - Surrogate Diluted Out H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 28-Jun-05

CLIENT:	SCS Engineers	Client Sample ID:	SCSB8-5'
Lab Order:	077300		
Project:	Long Beach City Tow Yard, 01204007.02	Collection Date:	6/21/2005
Lab ID:	077300-004	Matrix:	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 8260B**

RunID: MS1_050627A	QC Batch: P05VS096	PrepDate: 6/21/2005	Analyst: HH		
Chloroethane	ND	5.3	µg/Kg	1	6/27/2005
Chloroform	ND	5.3	µg/Kg	1	6/27/2005
Chloromethane	ND	5.3	µg/Kg	1	6/27/2005
cis-1,2-Dichloroethene	ND	5.3	µg/Kg	1	6/27/2005
cis-1,3-Dichloropropene	ND	5.3	µg/Kg	1	6/27/2005
Di-isopropyl ether	ND	5.3	µg/Kg	1	6/27/2005
Dibromochloromethane	ND	5.3	µg/Kg	1	6/27/2005
Dibromomethane	ND	5.3	µg/Kg	1	6/27/2005
Dichlorodifluoromethane	ND	5.3	µg/Kg	1	6/27/2005
Ethyl Tert-butyl ether	ND	5.3	µg/Kg	1	6/27/2005
Ethylbenzene	ND	5.3	µg/Kg	1	6/27/2005
Hexachlorobutadiene	ND	5.3	µg/Kg	1	6/27/2005
Isopropylbenzene	ND	5.3	µg/Kg	1	6/27/2005
m,p-Xylene	ND	11	µg/Kg	1	6/27/2005
Methylene chloride	ND	5.3	µg/Kg	1	6/27/2005
MTBE	ND	5.3	µg/Kg	1	6/27/2005
n-Butylbenzene	ND	5.3	µg/Kg	1	6/27/2005
n-Propylbenzene	ND	5.3	µg/Kg	1	6/27/2005
Naphthalene	ND	5.3	µg/Kg	1	6/27/2005
o-Xylene	ND	5.3	µg/Kg	1	6/27/2005
sec-Butylbenzene	ND	5.3	µg/Kg	1	6/27/2005
Styrene	ND	5.3	µg/Kg	1	6/27/2005
Tert-amyl methyl ether	ND	5.3	µg/Kg	1	6/27/2005
Tert-Butanol	ND	110	µg/Kg	1	6/27/2005
tert-Butylbenzene	ND	5.3	µg/Kg	1	6/27/2005
Tetrachloroethene	ND	5.3	µg/Kg	1	6/27/2005
Toluene	ND	5.3	µg/Kg	1	6/27/2005
trans-1,2-Dichloroethene	ND	5.3	µg/Kg	1	6/27/2005
Trichloroethene	ND	5.3	µg/Kg	1	6/27/2005
Trichlorofluoromethane	ND	5.3	µg/Kg	1	6/27/2005
Vinyl chloride	ND	5.3	µg/Kg	1	6/27/2005

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	E - Value above quantitation range
	DO - Surrogate Diluted Out	H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 28-Jun-05

CLIENT: SCS Engineers **Client Sample ID:** SCSB8-10'
Lab Order: 077300
Project: Long Beach City Tow Yard, 01204007.02 **Collection Date:** 6/21/2005
Lab ID: 077300-005 **Matrix:** SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC1_050624A QC Batch: D05VS122 PrepDate: 6/21/2005 Analyst: TT
 GRO 1500 40 mg/Kg 50 6/24/2005

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID:	MS1_050627A	QC Batch:	P05VS096	PrepDate:	6/21/2005	Analyst:	HH
1,1,1,2-Tetrachloroethane	ND	2000	µg/Kg	500	6/27/2005		
1,1,1-Trichloroethane	ND	2000	µg/Kg	500	6/27/2005		
1,1,2,2-Tetrachloroethane	ND	2000	µg/Kg	500	6/27/2005		
1,1,2-Trichloroethane	ND	2000	µg/Kg	500	6/27/2005		
1,1-Dichloroethane	ND	2000	µg/Kg	500	6/27/2005		
1,1-Dichloroethene	ND	2000	µg/Kg	500	6/27/2005		
1,1-Dichloropropene	ND	2000	µg/Kg	500	6/27/2005		
1,2,3-Trichlorobenzene	ND	2000	µg/Kg	500	6/27/2005		
1,2,3-Trichloropropane	ND	2000	µg/Kg	500	6/27/2005		
1,2,4-Trichlorobenzene	ND	2000	µg/Kg	500	6/27/2005		
1,2,4-Trimethylbenzene	77000	2000	µg/Kg	500	6/27/2005		
1,2-Dibromo-3-chloropropane	ND	4000	µg/Kg	500	6/27/2005		
1,2-Dibromoethane	ND	2000	µg/Kg	500	6/27/2005		
1,2-Dichlorobenzene	ND	2000	µg/Kg	500	6/27/2005		
1,2-Dichloroethane	ND	2000	µg/Kg	500	6/27/2005		
1,2-Dichloropropane	ND	2000	µg/Kg	500	6/27/2005		
1,3,5-Trimethylbenzene	27000	2000	µg/Kg	500	6/27/2005		
1,3-Dichlorobenzene	ND	2000	µg/Kg	500	6/27/2005		
1,3-Dichloropropane	ND	2000	µg/Kg	500	6/27/2005		
1,4-Dichlorobenzene	ND	2000	µg/Kg	500	6/27/2005		
2,2-Dichloropropane	ND	2000	µg/Kg	500	6/27/2005		
2-Chlorotoluene	ND	2000	µg/Kg	500	6/27/2005		
4-Chlorotoluene	ND	2000	µg/Kg	500	6/27/2005		
4-Isopropyltoluene	2100	2000	µg/Kg	500	6/27/2005		
Benzene	ND	2000	µg/Kg	500	6/27/2005		
Bromobenzene	ND	2000	µg/Kg	500	6/27/2005		
Bromodichloromethane	ND	2000	µg/Kg	500	6/27/2005		
Bromoform	ND	2000	µg/Kg	500	6/27/2005		
Bromomethane	ND	2000	µg/Kg	500	6/27/2005		
Carbon tetrachloride	ND	2000	µg/Kg	500	6/27/2005		
Chlorobenzene	ND	2000	µg/Kg	500	6/27/2005		

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank E - Value above quantitation range
 DO - Surrogate Diluted Out H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 28-Jun-05

CLIENT: SCS Engineers **Client Sample ID:** SCSB8-10'
Lab Order: 077300
Project: Long Beach City Tow Yard, 01204007.02 **Collection Date:** 6/21/2005
Lab ID: 077300-005 **Matrix:** SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 8260B**

RunID: MS1_050627A	QC Batch: P05VS096	PrepDate: 6/21/2005	Analyst: HH		
Chloroethane	ND	2000	µg/Kg	500	6/27/2005
Chloroform	ND	2000	µg/Kg	500	6/27/2005
Chloromethane	ND	2000	µg/Kg	500	6/27/2005
cis-1,2-Dichloroethene	ND	2000	µg/Kg	500	6/27/2005
cis-1,3-Dichloropropene	ND	2000	µg/Kg	500	6/27/2005
Di-isopropyl ether	ND	2000	µg/Kg	500	6/27/2005
Dibromochloromethane	ND	2000	µg/Kg	500	6/27/2005
Dibromomethane	ND	2000	µg/Kg	500	6/27/2005
Dichlorodifluoromethane	ND	2000	µg/Kg	500	6/27/2005
Ethyl Tert-butyl ether	ND	2000	µg/Kg	500	6/27/2005
Ethylbenzene	34000	2000	µg/Kg	500	6/27/2005
Hexachlorobutadiene	ND	2000	µg/Kg	500	6/27/2005
Isopropylbenzene	5500	2000	µg/Kg	500	6/27/2005
m,p-Xylene	34000	4000	µg/Kg	500	6/27/2005
Methylene chloride	ND	2000	µg/Kg	500	6/27/2005
MTBE	ND	2000	µg/Kg	500	6/27/2005
n-Butylbenzene	8800	2000	µg/Kg	500	6/27/2005
n-Propylbenzene	18000	2000	µg/Kg	500	6/27/2005
Naphthalene	11000	2000	µg/Kg	500	6/27/2005
o-Xylene	ND	2000	µg/Kg	500	6/27/2005
sec-Butylbenzene	2200	2000	µg/Kg	500	6/27/2005
Styrene	ND	2000	µg/Kg	500	6/27/2005
Tert-amyl methyl ether	ND	2000	µg/Kg	500	6/27/2005
Tert-Butanol	ND	40000	µg/Kg	500	6/27/2005
tert-Butylbenzene	ND	2000	µg/Kg	500	6/27/2005
Tetrachloroethene	ND	2000	µg/Kg	500	6/27/2005
Toluene	ND	2000	µg/Kg	500	6/27/2005
trans-1,2-Dichloroethene	ND	2000	µg/Kg	500	6/27/2005
Trichloroethene	ND	2000	µg/Kg	500	6/27/2005
Trichlorofluoromethane	ND	2000	µg/Kg	500	6/27/2005
Vinyl chloride	ND	2000	µg/Kg	500	6/27/2005

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank E - Value above quantitation range
DO - Surrogate Diluted Out H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 28-Jun-05

CLIENT: SCS Engineers **Client Sample ID:** SCSB8-GW
Lab Order: 077300
Project: Long Beach City Tow Yard, 01204007.02 **Collection Date:** 6/21/2005
Lab ID: 077300-006 **Matrix:** WATER

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC6_050624A **QC Batch:** I05VW121 **PrepDate:** **Analyst:** MFR
GRO 1.1 0.20 mg/L 1 6/24/2005

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID:	MS11_050628A	QC Batch:	A05VW187	PrepDate:	Analyst:	MFR
1,1,1,2-Tetrachloroethane	ND	5.0	µg/L	1	6/28/2005	
1,1,1-Trichloroethane	ND	5.0	µg/L	1	6/28/2005	
1,1,2,2-Tetrachloroethane	ND	5.0	µg/L	1	6/28/2005	
1,1,2-Trichloroethane	ND	5.0	µg/L	1	6/28/2005	
1,1-Dichloroethane	ND	5.0	µg/L	1	6/28/2005	
1,1-Dichloroethene	ND	5.0	µg/L	1	6/28/2005	
1,1-Dichloropropene	ND	5.0	µg/L	1	6/28/2005	
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1	6/28/2005	
1,2,3-Trichloropropane	ND	5.0	µg/L	1	6/28/2005	
1,2,4-Trichlorobenzene	ND	5.0	µg/L	1	6/28/2005	
1,2,4-Trimethylbenzene	16	5.0	µg/L	1	6/28/2005	
1,2-Dibromo-3-chloropropane	ND	5.0	µg/L	1	6/28/2005	
1,2-Dibromoethane	ND	5.0	µg/L	1	6/28/2005	
1,2-Dichlorobenzene	ND	5.0	µg/L	1	6/28/2005	
1,2-Dichloroethane	ND	5.0	µg/L	1	6/28/2005	
1,2-Dichloropropane	ND	5.0	µg/L	1	6/28/2005	
1,3,5-Trimethylbenzene	9.3	5.0	µg/L	1	6/28/2005	
1,3-Dichlorobenzene	ND	5.0	µg/L	1	6/28/2005	
1,3-Dichloropropane	ND	5.0	µg/L	1	6/28/2005	
1,4-Dichlorobenzene	ND	5.0	µg/L	1	6/28/2005	
2,2-Dichloropropane	ND	5.0	µg/L	1	6/28/2005	
2-Chlorotoluene	ND	5.0	µg/L	1	6/28/2005	
4-Chlorotoluene	ND	5.0	µg/L	1	6/28/2005	
4-Isopropyltoluene	ND	5.0	µg/L	1	6/28/2005	
Benzene	ND	5.0	µg/L	1	6/28/2005	
Bromobenzene	ND	5.0	µg/L	1	6/28/2005	
Bromodichloromethane	ND	5.0	µg/L	1	6/28/2005	
Bromoform	ND	5.0	µg/L	1	6/28/2005	
Bromomethane	ND	5.0	µg/L	1	6/28/2005	
Carbon tetrachloride	ND	5.0	µg/L	1	6/28/2005	
Chlorobenzene	ND	5.0	µg/L	1	6/28/2005	

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank E - Value above quantitation range
 DO - Surrogate Diluted Out H-Samples exceeding holding time

Results are wet unless otherwise specified

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Advanced Technology Laboratories

Date: 28-Jun-05

CLIENT:	SCS Engineers	Client Sample ID:	SCSB8-GW
Lab Order:	077300		
Project:	Long Beach City Tow Yard, 01204007.02	Collection Date:	6/21/2005
Lab ID:	077300-006	Matrix:	WATER

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 8260B**

RunID: MS11_050628A	QC Batch: A05VW187	PrepDate:	Analyst: MFR		
Chloroethane	ND	5.0	µg/L	1	6/28/2005
Chloroform	ND	5.0	µg/L	1	6/28/2005
Chloromethane	ND	5.0	µg/L	1	6/28/2005
cis-1,2-Dichloroethene	ND	5.0	µg/L	1	6/28/2005
cis-1,3-Dichloropropene	ND	5.0	µg/L	1	6/28/2005
Di-isopropyl ether	ND	5.0	µg/L	1	6/28/2005
Dibromochloromethane	ND	5.0	µg/L	1	6/28/2005
Dibromomethane	ND	5.0	µg/L	1	6/28/2005
Dichlorodifluoromethane	ND	5.0	µg/L	1	6/28/2005
Ethyl tert-butyl ether	ND	5.0	µg/L	1	6/28/2005
Ethylbenzene	85	5.0	µg/L	1	6/28/2005
Hexachlorobutadiene	ND	5.0	µg/L	1	6/28/2005
Isopropylbenzene	11	5.0	µg/L	1	6/28/2005
m,p-Xylene	19	10	µg/L	1	6/28/2005
Methylene chloride	ND	5.0	µg/L	1	6/28/2005
MTBE	5.3	5.0	µg/L	1	6/28/2005
n-Butylbenzene	5.4	5.0	µg/L	1	6/28/2005
n-Propylbenzene	25	5.0	µg/L	1	6/28/2005
Naphthalene	27	5.0	µg/L	1	6/28/2005
o-Xylene	ND	5.0	µg/L	1	6/28/2005
sec-Butylbenzene	ND	5.0	µg/L	1	6/28/2005
Styrene	ND	5.0	µg/L	1	6/28/2005
Tert-amyl methyl ether	ND	5.0	µg/L	1	6/28/2005
Tert-Butanol	ND	100	µg/L	1	6/28/2005
tert-Butylbenzene	ND	5.0	µg/L	1	6/28/2005
Tetrachloroethene	ND	5.0	µg/L	1	6/28/2005
Toluene	ND	5.0	µg/L	1	6/28/2005
trans-1,2-Dichloroethene	ND	5.0	µg/L	1	6/28/2005
Trichloroethene	ND	5.0	µg/L	1	6/28/2005
Trichlorofluoromethane	ND	5.0	µg/L	1	6/28/2005
Vinyl chloride	ND	5.0	µg/L	1	6/28/2005

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	E - Value above quantitation range
	DO - Surrogate Diluted Out	H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 28-Jun-05

CLIENT: SCS Engineers **Client Sample ID:** SCSB9-5'
Lab Order: 077300
Project: Long Beach City Tow Yard, 01204007.02 **Collection Date:** 6/21/2005
Lab ID: 077300-007 **Matrix:** SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC1_050624A QC Batch: D05VS122 PrepDate: 6/21/2005 Analyst: TT
 GRO ND 53 mg/Kg 50 6/24/2005

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID:	MS1_050627A	QC Batch:	P05VS096	PrepDate:	6/21/2005	Analyst:	HH
1,1,1,2-Tetrachloroethane	ND	3.6	µg/Kg	1	6/27/2005		
1,1,1-Trichloroethane	ND	3.6	µg/Kg	1	6/27/2005		
1,1,2,2-Tetrachloroethane	ND	3.6	µg/Kg	1	6/27/2005		
1,1,2-Trichloroethane	ND	3.6	µg/Kg	1	6/27/2005		
1,1-Dichloroethane	ND	3.6	µg/Kg	1	6/27/2005		
1,1-Dichloroethene	ND	3.6	µg/Kg	1	6/27/2005		
1,1-Dichloropropene	ND	3.6	µg/Kg	1	6/27/2005		
1,2,3-Trichlorobenzene	ND	3.6	µg/Kg	1	6/27/2005		
1,2,3-Trichloropropane	ND	3.6	µg/Kg	1	6/27/2005		
1,2,4-Trichlorobenzene	ND	3.6	µg/Kg	1	6/27/2005		
1,2,4-Trimethylbenzene	ND	3.6	µg/Kg	1	6/27/2005		
1,2-Dibromo-3-chloropropane	ND	7.2	µg/Kg	1	6/27/2005		
1,2-Dibromoethane	ND	3.6	µg/Kg	1	6/27/2005		
1,2-Dichlorobenzene	ND	3.6	µg/Kg	1	6/27/2005		
1,2-Dichloroethane	ND	3.6	µg/Kg	1	6/27/2005		
1,2-Dichloropropane	ND	3.6	µg/Kg	1	6/27/2005		
1,3,5-Trimethylbenzene	ND	3.6	µg/Kg	1	6/27/2005		
1,3-Dichlorobenzene	ND	3.6	µg/Kg	1	6/27/2005		
1,3-Dichloropropane	ND	3.6	µg/Kg	1	6/27/2005		
1,4-Dichlorobenzene	ND	3.6	µg/Kg	1	6/27/2005		
2,2-Dichloropropane	ND	3.6	µg/Kg	1	6/27/2005		
2-Chlorotoluene	ND	3.6	µg/Kg	1	6/27/2005		
4-Chlorotoluene	ND	3.6	µg/Kg	1	6/27/2005		
4-Isopropyltoluene	ND	3.6	µg/Kg	1	6/27/2005		
Benzene	ND	3.6	µg/Kg	1	6/27/2005		
Bromobenzene	ND	3.6	µg/Kg	1	6/27/2005		
Bromodichloromethane	ND	3.6	µg/Kg	1	6/27/2005		
Bromoform	ND	3.6	µg/Kg	1	6/27/2005		
Bromomethane	ND	3.6	µg/Kg	1	6/27/2005		
Carbon tetrachloride	ND	3.6	µg/Kg	1	6/27/2005		
Chlorobenzene	ND	3.6	µg/Kg	1	6/27/2005		

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank E - Value above quantitation range
 DO - Surrogate Diluted Out H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 28-Jun-05

CLIENT:	SCS Engineers	Client Sample ID:	SCSB9-5'
Lab Order:	077300		
Project:	Long Beach City Tow Yard, 01204007.02	Collection Date:	6/21/2005
Lab ID:	077300-007	Matrix:	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 8260B**

RunID: MS1_050627A	QC Batch: P05VS096	PrepDate: 6/21/2005	Analyst: HH		
Chloroethane	ND	3.6	µg/Kg	1	6/27/2005
Chloroform	ND	3.6	µg/Kg	1	6/27/2005
Chloromethane	ND	3.6	µg/Kg	1	6/27/2005
cis-1,2-Dichloroethene	ND	3.6	µg/Kg	1	6/27/2005
cis-1,3-Dichloropropene	ND	3.6	µg/Kg	1	6/27/2005
Di-isopropyl ether	ND	3.6	µg/Kg	1	6/27/2005
Dibromochloromethane	4.5	3.6	µg/Kg	1	6/27/2005
Dibromomethane	ND	3.6	µg/Kg	1	6/27/2005
Dichlorodifluoromethane	ND	3.6	µg/Kg	1	6/27/2005
Ethyl Tert-butyl ether	ND	3.6	µg/Kg	1	6/27/2005
Ethylbenzene	ND	3.6	µg/Kg	1	6/27/2005
Hexachlorobutadiene	ND	3.6	µg/Kg	1	6/27/2005
Isopropylbenzene	ND	3.6	µg/Kg	1	6/27/2005
m,p-Xylene	ND	7.2	µg/Kg	1	6/27/2005
Methylene chloride	ND	3.6	µg/Kg	1	6/27/2005
MTBE	ND	3.6	µg/Kg	1	6/27/2005
n-Butylbenzene	ND	3.6	µg/Kg	1	6/27/2005
n-Propylbenzene	ND	3.6	µg/Kg	1	6/27/2005
Naphthalene	ND	3.6	µg/Kg	1	6/27/2005
o-Xylene	ND	3.6	µg/Kg	1	6/27/2005
sec-Butylbenzene	ND	3.6	µg/Kg	1	6/27/2005
Styrene	ND	3.6	µg/Kg	1	6/27/2005
Tert-amyl methyl ether	ND	3.6	µg/Kg	1	6/27/2005
Tert-Butanol	ND	72	µg/Kg	1	6/27/2005
tert-Butylbenzene	ND	3.6	µg/Kg	1	6/27/2005
Tetrachloroethene	ND	3.6	µg/Kg	1	6/27/2005
Toluene	ND	3.6	µg/Kg	1	6/27/2005
trans-1,2-Dichloroethene	ND	3.6	µg/Kg	1	6/27/2005
Trichloroethene	ND	3.6	µg/Kg	1	6/27/2005
Trichlorofluoromethane	ND	3.6	µg/Kg	1	6/27/2005
Vinyl chloride	ND	3.6	µg/Kg	1	6/27/2005

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	E - Value above quantitation range
	DO - Surrogate Diluted Out	H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 28-Jun-05

CLIENT: SCS Engineers **Client Sample ID:** SCSB9-10'
Lab Order: 077300
Project: Long Beach City Tow Yard, 01204007.02 **Collection Date:** 6/21/2005
Lab ID: 077300-008 **Matrix:** SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC1_050624A QC Batch: D05VS122 PrepDate: 6/21/2005 Analyst: TT
 GRO ND 35 mg/Kg 50 6/24/2005

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID:	MS1_050627A	QC Batch:	P05VS096	PrepDate:	6/21/2005	Analyst:	HH
1,1,1,2-Tetrachloroethane	ND	3.6	µg/Kg	1	6/27/2005		
1,1,1-Trichloroethane	ND	3.6	µg/Kg	1	6/27/2005		
1,1,2,2-Tetrachloroethane	ND	3.6	µg/Kg	1	6/27/2005		
1,1,2-Trichloroethane	ND	3.6	µg/Kg	1	6/27/2005		
1,1-Dichloroethane	ND	3.6	µg/Kg	1	6/27/2005		
1,1-Dichloroethene	ND	3.6	µg/Kg	1	6/27/2005		
1,1-Dichloropropene	ND	3.6	µg/Kg	1	6/27/2005		
1,2,3-Trichlorobenzene	ND	3.6	µg/Kg	1	6/27/2005		
1,2,3-Trichloropropane	ND	3.6	µg/Kg	1	6/27/2005		
1,2,4-Trichlorobenzene	ND	3.6	µg/Kg	1	6/27/2005		
1,2,4-Trimethylbenzene	ND	3.6	µg/Kg	1	6/27/2005		
1,2-Dibromo-3-chloropropane	ND	7.2	µg/Kg	1	6/27/2005		
1,2-Dibromoethane	ND	3.6	µg/Kg	1	6/27/2005		
1,2-Dichlorobenzene	ND	3.6	µg/Kg	1	6/27/2005		
1,2-Dichloroethane	ND	3.6	µg/Kg	1	6/27/2005		
1,2-Dichloropropane	ND	3.6	µg/Kg	1	6/27/2005		
1,3,5-Trimethylbenzene	ND	3.6	µg/Kg	1	6/27/2005		
1,3-Dichlorobenzene	ND	3.6	µg/Kg	1	6/27/2005		
1,3-Dichloropropane	ND	3.6	µg/Kg	1	6/27/2005		
1,4-Dichlorobenzene	ND	3.6	µg/Kg	1	6/27/2005		
2,2-Dichloropropane	ND	3.6	µg/Kg	1	6/27/2005		
2-Chlorotoluene	ND	3.6	µg/Kg	1	6/27/2005		
4-Chlorotoluene	ND	3.6	µg/Kg	1	6/27/2005		
4-Isopropyltoluene	ND	3.6	µg/Kg	1	6/27/2005		
Benzene	11	3.6	µg/Kg	1	6/27/2005		
Bromobenzene	ND	3.6	µg/Kg	1	6/27/2005		
Bromodichloromethane	3.9	3.6	µg/Kg	1	6/27/2005		
Bromoform	ND	3.6	µg/Kg	1	6/27/2005		
Bromomethane	ND	3.6	µg/Kg	1	6/27/2005		
Carbon tetrachloride	ND	3.6	µg/Kg	1	6/27/2005		
Chlorobenzene	ND	3.6	µg/Kg	1	6/27/2005		

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank E - Value above quantitation range
 DO - Surrogate Diluted Out H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology
Laboratories

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3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 28-Jun-05

CLIENT:	SCS Engineers	Client Sample ID:	SCSB9-10'
Lab Order:	077300		
Project:	Long Beach City Tow Yard, 01204007.02	Collection Date:	6/21/2005
Lab ID:	077300-008	Matrix:	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 8260B**

RunID:	MS1_050627A	QC Batch:	P05VS096	PrepDate:	6/21/2005	Analyst:	HH
Chloroethane	ND	3.6		µg/Kg	1		6/27/2005
Chloroform	ND	3.6		µg/Kg	1		6/27/2005
Chloromethane	ND	3.6		µg/Kg	1		6/27/2005
cis-1,2-Dichloroethene	ND	3.6		µg/Kg	1		6/27/2005
cis-1,3-Dichloropropene	ND	3.6		µg/Kg	1		6/27/2005
Di-isopropyl ether	ND	3.6		µg/Kg	1		6/27/2005
Dibromochloromethane	6.1	3.6		µg/Kg	1		6/27/2005
Dibromomethane	ND	3.6		µg/Kg	1		6/27/2005
Dichlorodifluoromethane	ND	3.6		µg/Kg	1		6/27/2005
Ethyl Tert-butyl ether	ND	3.6		µg/Kg	1		6/27/2005
Ethylbenzene	ND	3.6		µg/Kg	1		6/27/2005
Hexachlorobutadiene	ND	3.6		µg/Kg	1		6/27/2005
Isopropylbenzene	ND	3.6		µg/Kg	1		6/27/2005
m,p-Xylene	ND	7.2		µg/Kg	1		6/27/2005
Methylene chloride	ND	3.6		µg/Kg	1		6/27/2005
MTBE	ND	3.6		µg/Kg	1		6/27/2005
n-Butylbenzene	ND	3.6		µg/Kg	1		6/27/2005
n-Propylbenzene	ND	3.6		µg/Kg	1		6/27/2005
Naphthalene	ND	3.6		µg/Kg	1		6/27/2005
o-Xylene	ND	3.6		µg/Kg	1		6/27/2005
sec-Butylbenzene	ND	3.6		µg/Kg	1		6/27/2005
Styrene	ND	3.6		µg/Kg	1		6/27/2005
Tert-amyl methyl ether	ND	3.6		µg/Kg	1		6/27/2005
Tert-Butanol	ND	72		µg/Kg	1		6/27/2005
tert-Butylbenzene	ND	3.6		µg/Kg	1		6/27/2005
Tetrachloroethene	ND	3.6		µg/Kg	1		6/27/2005
Toluene	13	3.6		µg/Kg	1		6/27/2005
trans-1,2-Dichloroethene	ND	3.6		µg/Kg	1		6/27/2005
Trichloroethene	ND	3.6		µg/Kg	1		6/27/2005
Trichlorofluoromethane	ND	3.6		µg/Kg	1		6/27/2005
Vinyl chloride	ND	3.6		µg/Kg	1		6/27/2005

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 28-Jun-05

CLIENT: SCS Engineers **Client Sample ID:** SCSB9-GW
Lab Order: 077300
Project: Long Beach City Tow Yard, 01204007.02 **Collection Date:** 6/21/2005
Lab ID: 077300-009 **Matrix:** WATER

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC6_050624A **QC Batch:** I05VW121 **PrepDate:** **Analyst:** MFR
GRO **ND** **0.20** **mg/L** **1** **6/24/2005**

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID:	MS11_050628A	QC Batch:	A05VW187	PrepDate:	Analyst:	MFR
1,1,1,2-Tetrachloroethane	ND	5.0	µg/L	1	6/28/2005	
1,1,1-Trichloroethane	ND	5.0	µg/L	1	6/28/2005	
1,1,2,2-Tetrachloroethane	ND	5.0	µg/L	1	6/28/2005	
1,1,2-Trichloroethane	ND	5.0	µg/L	1	6/28/2005	
1,1-Dichloroethane	ND	5.0	µg/L	1	6/28/2005	
1,1-Dichloroethene	ND	5.0	µg/L	1	6/28/2005	
1,1-Dichloropropene	ND	5.0	µg/L	1	6/28/2005	
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1	6/28/2005	
1,2,3-Trichloropropane	ND	5.0	µg/L	1	6/28/2005	
1,2,4-Trichlorobenzene	ND	5.0	µg/L	1	6/28/2005	
1,2,4-Trimethylbenzene	ND	5.0	µg/L	1	6/28/2005	
1,2-Dibromo-3-chloropropane	ND	5.0	µg/L	1	6/28/2005	
1,2-Dibromoethane	ND	5.0	µg/L	1	6/28/2005	
1,2-Dichlorobenzene	ND	5.0	µg/L	1	6/28/2005	
1,2-Dichloroethane	ND	5.0	µg/L	1	6/28/2005	
1,2-Dichloropropane	ND	5.0	µg/L	1	6/28/2005	
1,3,5-Trimethylbenzene	ND	5.0	µg/L	1	6/28/2005	
1,3-Dichlorobenzene	ND	5.0	µg/L	1	6/28/2005	
1,3-Dichloropropane	ND	5.0	µg/L	1	6/28/2005	
1,4-Dichlorobenzene	ND	5.0	µg/L	1	6/28/2005	
2,2-Dichloropropane	ND	5.0	µg/L	1	6/28/2005	
2-Chlorotoluene	ND	5.0	µg/L	1	6/28/2005	
4-Chlorotoluene	ND	5.0	µg/L	1	6/28/2005	
4-Isopropyltoluene	ND	5.0	µg/L	1	6/28/2005	
Benzene	ND	5.0	µg/L	1	6/28/2005	
Bromobenzene	ND	5.0	µg/L	1	6/28/2005	
Bromodichloromethane	ND	5.0	µg/L	1	6/28/2005	
Bromoform	ND	5.0	µg/L	1	6/28/2005	
Bromomethane	ND	5.0	µg/L	1	6/28/2005	
Carbon tetrachloride	ND	5.0	µg/L	1	6/28/2005	
Chlorobenzene	ND	5.0	µg/L	1	6/28/2005	

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank E - Value above quantitation range
 DO - Surrogate Diluted Out H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 28-Jun-05

CLIENT:	SCS Engineers	Client Sample ID:	SCSB9-GW
Lab Order:	077300		
Project:	Long Beach City Tow Yard, 01204007.02	Collection Date:	6/21/2005
Lab ID:	077300-009	Matrix:	WATER

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 8260B**

RunID: MS11_050628A	QC Batch: A05VW187	PrepDate:	Analyst: MFR		
Chloroethane	ND	5.0	µg/L	1	6/28/2005
Chloroform	ND	5.0	µg/L	1	6/28/2005
Chloromethane	ND	5.0	µg/L	1	6/28/2005
cis-1,2-Dichloroethene	ND	5.0	µg/L	1	6/28/2005
cis-1,3-Dichloropropene	ND	5.0	µg/L	1	6/28/2005
Di-isopropyl ether	ND	5.0	µg/L	1	6/28/2005
Dibromochloromethane	ND	5.0	µg/L	1	6/28/2005
Dibromomethane	ND	5.0	µg/L	1	6/28/2005
Dichlorodifluoromethane	ND	5.0	µg/L	1	6/28/2005
Ethyl tert-butyl ether	ND	5.0	µg/L	1	6/28/2005
Ethylbenzene	ND	5.0	µg/L	1	6/28/2005
Hexachlorobutadiene	ND	5.0	µg/L	1	6/28/2005
Isopropylbenzene	ND	5.0	µg/L	1	6/28/2005
m,p-Xylene	ND	10	µg/L	1	6/28/2005
Methylene chloride	ND	5.0	µg/L	1	6/28/2005
MTBE	6.6	5.0	µg/L	1	6/28/2005
n-Butylbenzene	ND	5.0	µg/L	1	6/28/2005
n-Propylbenzene	ND	5.0	µg/L	1	6/28/2005
Naphthalene	ND	5.0	µg/L	1	6/28/2005
o-Xylene	ND	5.0	µg/L	1	6/28/2005
sec-Butylbenzene	ND	5.0	µg/L	1	6/28/2005
Styrene	ND	5.0	µg/L	1	6/28/2005
Tert-amyl methyl ether	ND	5.0	µg/L	1	6/28/2005
Tert-Butanol	ND	100	µg/L	1	6/28/2005
tert-Butylbenzene	ND	5.0	µg/L	1	6/28/2005
Tetrachloroethene	ND	5.0	µg/L	1	6/28/2005
Toluene	ND	5.0	µg/L	1	6/28/2005
trans-1,2-Dichloroethene	ND	5.0	µg/L	1	6/28/2005
Trichloroethene	ND	5.0	µg/L	1	6/28/2005
Trichlorofluoromethane	ND	5.0	µg/L	1	6/28/2005
Vinyl chloride	ND	5.0	µg/L	1	6/28/2005

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	E - Value above quantitation range
	DO - Surrogate Diluted Out	H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 28-Jun-05

CLIENT:	SCS Engineers	Client Sample ID:	SCSB10-5'
Lab Order:	077300		
Project:	Long Beach City Tow Yard, 01204007.02	Collection Date:	6/21/2005
Lab ID:	077300-010	Matrix:	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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GASOLINE RANGE ORGANICS BY GC/FID**EPA 8015B(M)**

RunID:	GC1_050624A	QC Batch:	D05VS122	PrepDate:	6/21/2005	Analyst:	TT
GRO	ND	87	mg/Kg	50		6/24/2005	

VOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 8260B**

RunID:	MS1_050627A	QC Batch:	P05VS096	PrepDate:	6/21/2005	Analyst:	HH
1,1,1,2-Tetrachloroethane	ND	3.8	µg/Kg	1		6/27/2005	
1,1,1-Trichloroethane	ND	3.8	µg/Kg	1		6/27/2005	
1,1,2,2-Tetrachloroethane	ND	3.8	µg/Kg	1		6/27/2005	
1,1,2-Trichloroethane	ND	3.8	µg/Kg	1		6/27/2005	
1,1-Dichloroethane	ND	3.8	µg/Kg	1		6/27/2005	
1,1-Dichloroethene	ND	3.8	µg/Kg	1		6/27/2005	
1,1-Dichloropropene	ND	3.8	µg/Kg	1		6/27/2005	
1,2,3-Trichlorobenzene	ND	3.8	µg/Kg	1		6/27/2005	
1,2,3-Trichloropropane	ND	3.8	µg/Kg	1		6/27/2005	
1,2,4-Trichlorobenzene	ND	3.8	µg/Kg	1		6/27/2005	
1,2,4-Trimethylbenzene	ND	3.8	µg/Kg	1		6/27/2005	
1,2-Dibromo-3-chloropropane	ND	7.7	µg/Kg	1		6/27/2005	
1,2-Dibromoethane	ND	3.8	µg/Kg	1		6/27/2005	
1,2-Dichlorobenzene	ND	3.8	µg/Kg	1		6/27/2005	
1,2-Dichloroethane	ND	3.8	µg/Kg	1		6/27/2005	
1,2-Dichloropropane	ND	3.8	µg/Kg	1		6/27/2005	
1,3,5-Trimethylbenzene	ND	3.8	µg/Kg	1		6/27/2005	
1,3-Dichlorobenzene	ND	3.8	µg/Kg	1		6/27/2005	
1,3-Dichloropropane	ND	3.8	µg/Kg	1		6/27/2005	
1,4-Dichlorobenzene	ND	3.8	µg/Kg	1		6/27/2005	
2,2-Dichloropropane	ND	3.8	µg/Kg	1		6/27/2005	
2-Chlorotoluene	ND	3.8	µg/Kg	1		6/27/2005	
4-Chlorotoluene	ND	3.8	µg/Kg	1		6/27/2005	
4-Isopropyltoluene	ND	3.8	µg/Kg	1		6/27/2005	
Benzene	ND	3.8	µg/Kg	1		6/27/2005	
Bromobenzene	ND	3.8	µg/Kg	1		6/27/2005	
Bromodichloromethane	ND	3.8	µg/Kg	1		6/27/2005	
Bromoform	ND	3.8	µg/Kg	1		6/27/2005	
Bromomethane	ND	3.8	µg/Kg	1		6/27/2005	
Carbon tetrachloride	ND	3.8	µg/Kg	1		6/27/2005	
Chlorobenzene	ND	3.8	µg/Kg	1		6/27/2005	

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 28-Jun-05

CLIENT: SCS Engineers **Client Sample ID:** SCSB10-5'
Lab Order: 077300
Project: Long Beach City Tow Yard, 01204007.02 **Collection Date:** 6/21/2005
Lab ID: 077300-010 **Matrix:** SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS1_050627A	QC Batch: P05VS096	PrepDate: 6/21/2005	Analyst: HH		
Chloroethane	ND	3.8	µg/Kg	1	6/27/2005
Chloroform	ND	3.8	µg/Kg	1	6/27/2005
Chloromethane	ND	3.8	µg/Kg	1	6/27/2005
cis-1,2-Dichloroethene	ND	3.8	µg/Kg	1	6/27/2005
cis-1,3-Dichloropropene	ND	3.8	µg/Kg	1	6/27/2005
Di-isopropyl ether	ND	3.8	µg/Kg	1	6/27/2005
Dibromochloromethane	ND	3.8	µg/Kg	1	6/27/2005
Dibromomethane	ND	3.8	µg/Kg	1	6/27/2005
Dichlorodifluoromethane	ND	3.8	µg/Kg	1	6/27/2005
Ethyl Tert-butyl ether	ND	3.8	µg/Kg	1	6/27/2005
Ethylbenzene	ND	3.8	µg/Kg	1	6/27/2005
Hexachlorobutadiene	ND	3.8	µg/Kg	1	6/27/2005
Isopropylbenzene	ND	3.8	µg/Kg	1	6/27/2005
m,p-Xylene	ND	7.7	µg/Kg	1	6/27/2005
Methylene chloride	ND	3.8	µg/Kg	1	6/27/2005
MTBE	ND	3.8	µg/Kg	1	6/27/2005
n-Butylbenzene	ND	3.8	µg/Kg	1	6/27/2005
n-Propylbenzene	ND	3.8	µg/Kg	1	6/27/2005
Naphthalene	ND	3.8	µg/Kg	1	6/27/2005
o-Xylene	ND	3.8	µg/Kg	1	6/27/2005
sec-Butylbenzene	ND	3.8	µg/Kg	1	6/27/2005
Styrene	ND	3.8	µg/Kg	1	6/27/2005
Tert-amyl methyl ether	ND	3.8	µg/Kg	1	6/27/2005
Tert-Butanol	ND	77	µg/Kg	1	6/27/2005
tert-Butylbenzene	ND	3.8	µg/Kg	1	6/27/2005
Tetrachloroethene	ND	3.8	µg/Kg	1	6/27/2005
Toluene	ND	3.8	µg/Kg	1	6/27/2005
trans-1,2-Dichloroethene	ND	3.8	µg/Kg	1	6/27/2005
Trichloroethene	ND	3.8	µg/Kg	1	6/27/2005
Trichlorofluoromethane	ND	3.8	µg/Kg	1	6/27/2005
Vinyl chloride	ND	3.8	µg/Kg	1	6/27/2005

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank E - Value above quantitation range
DO - Surrogate Diluted Out H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 28-Jun-05

CLIENT: SCS Engineers **Client Sample ID:** SCSB10-10'
Lab Order: 077300
Project: Long Beach City Tow Yard, 01204007.02 **Collection Date:** 6/21/2005
Lab ID: 077300-011 **Matrix:** SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC1_050624A QC Batch: D05VS122 PrepDate: 6/21/2005 Analyst: TT
 GRO ND 54 mg/Kg 50 6/24/2005

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID:	MS1_050624A	QC Batch:	P05VS095	PrepDate:	6/21/2005	Analyst:	HH
1,1,1,2-Tetrachloroethane	ND	4.1	µg/Kg	1	6/24/2005		
1,1,1-Trichloroethane	ND	4.1	µg/Kg	1	6/24/2005		
1,1,2,2-Tetrachloroethane	ND	4.1	µg/Kg	1	6/24/2005		
1,1,2-Trichloroethane	ND	4.1	µg/Kg	1	6/24/2005		
1,1-Dichloroethane	ND	4.1	µg/Kg	1	6/24/2005		
1,1-Dichloroethene	ND	4.1	µg/Kg	1	6/24/2005		
1,1-Dichloropropene	ND	4.1	µg/Kg	1	6/24/2005		
1,2,3-Trichlorobenzene	ND	4.1	µg/Kg	1	6/24/2005		
1,2,3-Trichloropropane	ND	4.1	µg/Kg	1	6/24/2005		
1,2,4-Trichlorobenzene	ND	4.1	µg/Kg	1	6/24/2005		
1,2,4-Trimethylbenzene	ND	4.1	µg/Kg	1	6/24/2005		
1,2-Dibromo-3-chloropropane	ND	8.2	µg/Kg	1	6/24/2005		
1,2-Dibromoethane	ND	4.1	µg/Kg	1	6/24/2005		
1,2-Dichlorobenzene	ND	4.1	µg/Kg	1	6/24/2005		
1,2-Dichloroethane	ND	4.1	µg/Kg	1	6/24/2005		
1,2-Dichloropropane	ND	4.1	µg/Kg	1	6/24/2005		
1,3,5-Trimethylbenzene	ND	4.1	µg/Kg	1	6/24/2005		
1,3-Dichlorobenzene	ND	4.1	µg/Kg	1	6/24/2005		
1,3-Dichloropropane	ND	4.1	µg/Kg	1	6/24/2005		
1,4-Dichlorobenzene	ND	4.1	µg/Kg	1	6/24/2005		
2,2-Dichloropropane	ND	4.1	µg/Kg	1	6/24/2005		
2-Chlorotoluene	ND	4.1	µg/Kg	1	6/24/2005		
4-Chlorotoluene	ND	4.1	µg/Kg	1	6/24/2005		
4-Isopropyltoluene	ND	4.1	µg/Kg	1	6/24/2005		
Benzene	12	4.1	µg/Kg	1	6/24/2005		
Bromobenzene	ND	4.1	µg/Kg	1	6/24/2005		
Bromodichloromethane	ND	4.1	µg/Kg	1	6/24/2005		
Bromoform	ND	4.1	µg/Kg	1	6/24/2005		
Bromomethane	ND	4.1	µg/Kg	1	6/24/2005		
Carbon tetrachloride	ND	4.1	µg/Kg	1	6/24/2005		
Chlorobenzene	ND	4.1	µg/Kg	1	6/24/2005		

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank E - Value above quantitation range
 DO - Surrogate Diluted Out H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 28-Jun-05

CLIENT: SCS Engineers **Client Sample ID:** SCSB10-10'
Lab Order: 077300
Project: Long Beach City Tow Yard, 01204007.02 **Collection Date:** 6/21/2005
Lab ID: 077300-011 **Matrix:** SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID:	MS1_050624A	QC Batch:	P05VS095	PrepDate:	6/21/2005	Analyst:	HH
Chloroethane	ND	4.1	µg/Kg	1	6/24/2005		
Chloroform	ND	4.1	µg/Kg	1	6/24/2005		
Chloromethane	ND	4.1	µg/Kg	1	6/24/2005		
cis-1,2-Dichloroethene	ND	4.1	µg/Kg	1	6/24/2005		
cis-1,3-Dichloropropene	ND	4.1	µg/Kg	1	6/24/2005		
Di-isopropyl ether	ND	4.1	µg/Kg	1	6/24/2005		
Dibromochloromethane	ND	4.1	µg/Kg	1	6/24/2005		
Dibromomethane	ND	4.1	µg/Kg	1	6/24/2005		
Dichlorodifluoromethane	ND	4.1	µg/Kg	1	6/24/2005		
Ethyl Tert-butyl ether	ND	4.1	µg/Kg	1	6/24/2005		
Ethylbenzene	ND	4.1	µg/Kg	1	6/24/2005		
Hexachlorobutadiene	ND	4.1	µg/Kg	1	6/24/2005		
Isopropylbenzene	ND	4.1	µg/Kg	1	6/24/2005		
m,p-Xylene	ND	8.2	µg/Kg	1	6/24/2005		
Methylene chloride	ND	4.1	µg/Kg	1	6/24/2005		
MTBE	ND	4.1	µg/Kg	1	6/24/2005		
n-Butylbenzene	ND	4.1	µg/Kg	1	6/24/2005		
n-Propylbenzene	ND	4.1	µg/Kg	1	6/24/2005		
Naphthalene	ND	4.1	µg/Kg	1	6/24/2005		
o-Xylene	ND	4.1	µg/Kg	1	6/24/2005		
sec-Butylbenzene	ND	4.1	µg/Kg	1	6/24/2005		
Styrene	ND	4.1	µg/Kg	1	6/24/2005		
Tert-amyl methyl ether	ND	4.1	µg/Kg	1	6/24/2005		
Tert-Butanol	ND	82	µg/Kg	1	6/24/2005		
tert-Butylbenzene	ND	4.1	µg/Kg	1	6/24/2005		
Tetrachloroethene	ND	4.1	µg/Kg	1	6/24/2005		
Toluene	10	4.1	µg/Kg	1	6/24/2005		
trans-1,2-Dichloroethene	ND	4.1	µg/Kg	1	6/24/2005		
Trichloroethene	ND	4.1	µg/Kg	1	6/24/2005		
Trichlorofluoromethane	ND	4.1	µg/Kg	1	6/24/2005		
Vinyl chloride	ND	4.1	µg/Kg	1	6/24/2005		

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank E - Value above quantitation range
 DO - Surrogate Diluted Out H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology
Laboratories

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3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 28-Jun-05

CLIENT:	SCS Engineers	Client Sample ID:	SCSB10-GW
Lab Order:	077300		
Project:	Long Beach City Tow Yard, 01204007.02	Collection Date:	6/21/2005
Lab ID:	077300-012	Matrix:	WATER

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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GASOLINE RANGE ORGANICS BY GC/FID**EPA 8015B(M)**

RunID: GC6_050627A	QC Batch: I05VW122	PrepDate:	Analyst: TT	
GRO	ND	0.20 mg/L	1	6/27/2005

VOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 8260B**

RunID: MS11_050628A	QC Batch: A05VW187	PrepDate:	Analyst: MFR		
1,1,1,2-Tetrachloroethane	ND	5.0	µg/L	1	6/28/2005
1,1,1-Trichloroethane	ND	5.0	µg/L	1	6/28/2005
1,1,2,2-Tetrachloroethane	ND	5.0	µg/L	1	6/28/2005
1,1,2-Trichloroethane	ND	5.0	µg/L	1	6/28/2005
1,1-Dichloroethane	ND	5.0	µg/L	1	6/28/2005
1,1-Dichloroethene	ND	5.0	µg/L	1	6/28/2005
1,1-Dichloropropene	ND	5.0	µg/L	1	6/28/2005
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1	6/28/2005
1,2,3-Trichloropropane	ND	5.0	µg/L	1	6/28/2005
1,2,4-Trichlorobenzene	ND	5.0	µg/L	1	6/28/2005
1,2,4-Trimethylbenzene	ND	5.0	µg/L	1	6/28/2005
1,2-Dibromo-3-chloropropane	ND	5.0	µg/L	1	6/28/2005
1,2-Dibromoethane	ND	5.0	µg/L	1	6/28/2005
1,2-Dichlorobenzene	ND	5.0	µg/L	1	6/28/2005
1,2-Dichloroethane	ND	5.0	µg/L	1	6/28/2005
1,2-Dichloropropane	ND	5.0	µg/L	1	6/28/2005
1,3,5-Trimethylbenzene	ND	5.0	µg/L	1	6/28/2005
1,3-Dichlorobenzene	ND	5.0	µg/L	1	6/28/2005
1,3-Dichloropropane	ND	5.0	µg/L	1	6/28/2005
1,4-Dichlorobenzene	ND	5.0	µg/L	1	6/28/2005
2,2-Dichloropropane	ND	5.0	µg/L	1	6/28/2005
2-Chlorotoluene	ND	5.0	µg/L	1	6/28/2005
4-Chlorotoluene	ND	5.0	µg/L	1	6/28/2005
4-Isopropyltoluene	ND	5.0	µg/L	1	6/28/2005
Benzene	ND	5.0	µg/L	1	6/28/2005
Bromobenzene	ND	5.0	µg/L	1	6/28/2005
Bromodichloromethane	ND	5.0	µg/L	1	6/28/2005
Bromoform	ND	5.0	µg/L	1	6/28/2005
Bromomethane	ND	5.0	µg/L	1	6/28/2005
Carbon tetrachloride	ND	5.0	µg/L	1	6/28/2005
Chlorobenzene	ND	5.0	µg/L	1	6/28/2005

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	E - Value above quantitation range
	DO - Surrogate Diluted Out	H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 28-Jun-05

CLIENT:	SCS Engineers	Client Sample ID:	SCSB10-GW
Lab Order:	077300		
Project:	Long Beach City Tow Yard, 01204007.02	Collection Date:	6/21/2005
Lab ID:	077300-012	Matrix:	WATER

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 8260B**

RunID: MS11_050628A	QC Batch: A05VW187	PrepDate:	Analyst: MFR		
Chloroethane	ND	5.0	µg/L	1	6/28/2005
Chloroform	ND	5.0	µg/L	1	6/28/2005
Chloromethane	ND	5.0	µg/L	1	6/28/2005
cis-1,2-Dichloroethene	ND	5.0	µg/L	1	6/28/2005
cis-1,3-Dichloropropene	ND	5.0	µg/L	1	6/28/2005
Di-isopropyl ether	ND	5.0	µg/L	1	6/28/2005
Dibromochloromethane	ND	5.0	µg/L	1	6/28/2005
Dibromomethane	ND	5.0	µg/L	1	6/28/2005
Dichlorodifluoromethane	ND	5.0	µg/L	1	6/28/2005
Ethyl tert-butyl ether	ND	5.0	µg/L	1	6/28/2005
Ethylbenzene	ND	5.0	µg/L	1	6/28/2005
Hexachlorobutadiene	ND	5.0	µg/L	1	6/28/2005
Isopropylbenzene	ND	5.0	µg/L	1	6/28/2005
m,p-Xylene	ND	10	µg/L	1	6/28/2005
Methylene chloride	ND	5.0	µg/L	1	6/28/2005
MTBE	ND	5.0	µg/L	1	6/28/2005
n-Butylbenzene	ND	5.0	µg/L	1	6/28/2005
n-Propylbenzene	ND	5.0	µg/L	1	6/28/2005
Naphthalene	ND	5.0	µg/L	1	6/28/2005
o-Xylene	ND	5.0	µg/L	1	6/28/2005
sec-Butylbenzene	ND	5.0	µg/L	1	6/28/2005
Styrene	ND	5.0	µg/L	1	6/28/2005
Tert-amyl methyl ether	ND	5.0	µg/L	1	6/28/2005
Tert-Butanol	ND	100	µg/L	1	6/28/2005
tert-Butylbenzene	ND	5.0	µg/L	1	6/28/2005
Tetrachloroethene	ND	5.0	µg/L	1	6/28/2005
Toluene	ND	5.0	µg/L	1	6/28/2005
trans-1,2-Dichloroethene	ND	5.0	µg/L	1	6/28/2005
Trichloroethene	ND	5.0	µg/L	1	6/28/2005
Trichlorofluoromethane	ND	5.0	µg/L	1	6/28/2005
Vinyl chloride	ND	5.0	µg/L	1	6/28/2005

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 28-Jun-05

CLIENT: SCS Engineers **Client Sample ID:** SCSB11-5'
Lab Order: 077300
Project: Long Beach City Tow Yard, 01204007.02 **Collection Date:** 6/21/2005
Lab ID: 077300-013 **Matrix:** SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC1_050624A **QC Batch:** D05VS122 **PrepDate:** 6/21/2005 **Analyst:** TT
GRO **ND** **49** **mg/Kg** **50** **6/24/2005**

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID:	MS1_050627A	QC Batch:	P05VS096	PrepDate:	6/21/2005	Analyst:	HH
1,1,1,2-Tetrachloroethane	ND	4.1	µg/Kg	1	6/27/2005		
1,1,1-Trichloroethane	ND	4.1	µg/Kg	1	6/27/2005		
1,1,2,2-Tetrachloroethane	ND	4.1	µg/Kg	1	6/27/2005		
1,1,2-Trichloroethane	ND	4.1	µg/Kg	1	6/27/2005		
1,1-Dichloroethane	ND	4.1	µg/Kg	1	6/27/2005		
1,1-Dichloroethene	ND	4.1	µg/Kg	1	6/27/2005		
1,1-Dichloropropene	ND	4.1	µg/Kg	1	6/27/2005		
1,2,3-Trichlorobenzene	ND	4.1	µg/Kg	1	6/27/2005		
1,2,3-Trichloropropane	ND	4.1	µg/Kg	1	6/27/2005		
1,2,4-Trichlorobenzene	ND	4.1	µg/Kg	1	6/27/2005		
1,2,4-Trimethylbenzene	ND	4.1	µg/Kg	1	6/27/2005		
1,2-Dibromo-3-chloropropane	ND	8.2	µg/Kg	1	6/27/2005		
1,2-Dibromoethane	ND	4.1	µg/Kg	1	6/27/2005		
1,2-Dichlorobenzene	ND	4.1	µg/Kg	1	6/27/2005		
1,2-Dichloroethane	ND	4.1	µg/Kg	1	6/27/2005		
1,2-Dichloropropane	ND	4.1	µg/Kg	1	6/27/2005		
1,3,5-Trimethylbenzene	ND	4.1	µg/Kg	1	6/27/2005		
1,3-Dichlorobenzene	ND	4.1	µg/Kg	1	6/27/2005		
1,3-Dichloropropane	ND	4.1	µg/Kg	1	6/27/2005		
1,4-Dichlorobenzene	ND	4.1	µg/Kg	1	6/27/2005		
2,2-Dichloropropane	ND	4.1	µg/Kg	1	6/27/2005		
2-Chlorotoluene	ND	4.1	µg/Kg	1	6/27/2005		
4-Chlorotoluene	ND	4.1	µg/Kg	1	6/27/2005		
4-Isopropyltoluene	ND	4.1	µg/Kg	1	6/27/2005		
Benzene	ND	4.1	µg/Kg	1	6/27/2005		
Bromobenzene	ND	4.1	µg/Kg	1	6/27/2005		
Bromodichloromethane	ND	4.1	µg/Kg	1	6/27/2005		
Bromoform	ND	4.1	µg/Kg	1	6/27/2005		
Bromomethane	ND	4.1	µg/Kg	1	6/27/2005		
Carbon tetrachloride	ND	4.1	µg/Kg	1	6/27/2005		
Chlorobenzene	ND	4.1	µg/Kg	1	6/27/2005		

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank E - Value above quantitation range
 DO - Surrogate Diluted Out H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology
Laboratories

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3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 28-Jun-05

CLIENT: SCS Engineers **Client Sample ID:** SCSB11-5'
Lab Order: 077300
Project: Long Beach City Tow Yard, 01204007.02 **Collection Date:** 6/21/2005
Lab ID: 077300-013 **Matrix:** SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID:	MS1_050627A	QC Batch:	P05VS096	PrepDate:	6/21/2005	Analyst:	HH
Chloroethane	ND	4.1	µg/Kg	1	6/27/2005		
Chloroform	ND	4.1	µg/Kg	1	6/27/2005		
Chloromethane	ND	4.1	µg/Kg	1	6/27/2005		
cis-1,2-Dichloroethene	ND	4.1	µg/Kg	1	6/27/2005		
cis-1,3-Dichloropropene	ND	4.1	µg/Kg	1	6/27/2005		
Di-isopropyl ether	ND	4.1	µg/Kg	1	6/27/2005		
Dibromochloromethane	ND	4.1	µg/Kg	1	6/27/2005		
Dibromomethane	ND	4.1	µg/Kg	1	6/27/2005		
Dichlorodifluoromethane	ND	4.1	µg/Kg	1	6/27/2005		
Ethyl Tert-butyl ether	ND	4.1	µg/Kg	1	6/27/2005		
Ethylbenzene	ND	4.1	µg/Kg	1	6/27/2005		
Hexachlorobutadiene	ND	4.1	µg/Kg	1	6/27/2005		
Isopropylbenzene	ND	4.1	µg/Kg	1	6/27/2005		
m,p-Xylene	ND	8.2	µg/Kg	1	6/27/2005		
Methylene chloride	ND	4.1	µg/Kg	1	6/27/2005		
MTBE	ND	4.1	µg/Kg	1	6/27/2005		
n-Butylbenzene	ND	4.1	µg/Kg	1	6/27/2005		
n-Propylbenzene	ND	4.1	µg/Kg	1	6/27/2005		
Naphthalene	ND	4.1	µg/Kg	1	6/27/2005		
o-Xylene	ND	4.1	µg/Kg	1	6/27/2005		
sec-Butylbenzene	ND	4.1	µg/Kg	1	6/27/2005		
Styrene	ND	4.1	µg/Kg	1	6/27/2005		
Tert-amyl methyl ether	ND	4.1	µg/Kg	1	6/27/2005		
Tert-Butanol	ND	82	µg/Kg	1	6/27/2005		
tert-Butylbenzene	ND	4.1	µg/Kg	1	6/27/2005		
Tetrachloroethene	ND	4.1	µg/Kg	1	6/27/2005		
Toluene	ND	4.1	µg/Kg	1	6/27/2005		
trans-1,2-Dichloroethene	ND	4.1	µg/Kg	1	6/27/2005		
Trichloroethene	ND	4.1	µg/Kg	1	6/27/2005		
Trichlorofluoromethane	ND	4.1	µg/Kg	1	6/27/2005		
Vinyl chloride	ND	4.1	µg/Kg	1	6/27/2005		

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank E - Value above quantitation range
 DO - Surrogate Diluted Out H-Samples exceeding holding time

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Results are wet unless otherwise specified



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3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 28-Jun-05

CLIENT:	SCS Engineers	Client Sample ID:	SCSB11-10'
Lab Order:	077300		
Project:	Long Beach City Tow Yard, 01204007.02	Collection Date:	6/21/2005
Lab ID:	077300-014	Matrix:	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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GASOLINE RANGE ORGANICS BY GC/FID**EPA 8015B(M)**

RunID:	GC1_050624A	QC Batch:	D05VS122	PrepDate:	6/21/2005	Analyst:	TT
GRO		77	39	mg/Kg	50		6/24/2005

VOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 8260B**

RunID:	MS1_050627A	QC Batch:	P05VS096	PrepDate:	6/21/2005	Analyst:	HH
1,1,1,2-Tetrachloroethane	ND	200	µg/Kg	50			6/27/2005
1,1,1-Trichloroethane	ND	200	µg/Kg	50			6/27/2005
1,1,2,2-Tetrachloroethane	ND	200	µg/Kg	50			6/27/2005
1,1,2-Trichloroethane	ND	200	µg/Kg	50			6/27/2005
1,1-Dichloroethane	ND	200	µg/Kg	50			6/27/2005
1,1-Dichloroethene	ND	200	µg/Kg	50			6/27/2005
1,1-Dichloropropene	ND	200	µg/Kg	50			6/27/2005
1,2,3-Trichlorobenzene	ND	200	µg/Kg	50			6/27/2005
1,2,3-Trichloropropane	ND	200	µg/Kg	50			6/27/2005
1,2,4-Trichlorobenzene	ND	200	µg/Kg	50			6/27/2005
1,2,4-Trimethylbenzene	ND	200	µg/Kg	50			6/27/2005
1,2-Dibromo-3-chloropropane	ND	390	µg/Kg	50			6/27/2005
1,2-Dibromoethane	ND	200	µg/Kg	50			6/27/2005
1,2-Dichlorobenzene	ND	200	µg/Kg	50			6/27/2005
1,2-Dichloroethane	ND	200	µg/Kg	50			6/27/2005
1,2-Dichloropropane	ND	200	µg/Kg	50			6/27/2005
1,3,5-Trimethylbenzene	ND	200	µg/Kg	50			6/27/2005
1,3-Dichlorobenzene	ND	200	µg/Kg	50			6/27/2005
1,3-Dichloropropane	ND	200	µg/Kg	50			6/27/2005
1,4-Dichlorobenzene	ND	200	µg/Kg	50			6/27/2005
2,2-Dichloropropane	ND	200	µg/Kg	50			6/27/2005
2-Chlorotoluene	ND	200	µg/Kg	50			6/27/2005
4-Chlorotoluene	ND	200	µg/Kg	50			6/27/2005
4-Isopropyltoluene	ND	200	µg/Kg	50			6/27/2005
Benzene	ND	200	µg/Kg	50			6/27/2005
Bromobenzene	ND	200	µg/Kg	50			6/27/2005
Bromodichloromethane	ND	200	µg/Kg	50			6/27/2005
Bromoform	ND	200	µg/Kg	50			6/27/2005
Bromomethane	ND	200	µg/Kg	50			6/27/2005
Carbon tetrachloride	ND	200	µg/Kg	50			6/27/2005
Chlorobenzene	ND	200	µg/Kg	50			6/27/2005

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

DO - Surrogate Diluted Out

H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 28-Jun-05

CLIENT: SCS Engineers **Client Sample ID:** SCSB11-10'
Lab Order: 077300
Project: Long Beach City Tow Yard, 01204007.02 **Collection Date:** 6/21/2005
Lab ID: 077300-014 **Matrix:** SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID:	MS1_050627A	QC Batch:	P05VS096	PrepDate:	6/21/2005	Analyst:	HH
Chloroethane	ND	200	µg/Kg	50	6/27/2005		
Chloroform	ND	200	µg/Kg	50	6/27/2005		
Chloromethane	ND	200	µg/Kg	50	6/27/2005		
cis-1,2-Dichloroethene	ND	200	µg/Kg	50	6/27/2005		
cis-1,3-Dichloropropene	ND	200	µg/Kg	50	6/27/2005		
Di-isopropyl ether	ND	200	µg/Kg	50	6/27/2005		
Dibromochloromethane	ND	200	µg/Kg	50	6/27/2005		
Dibromomethane	ND	200	µg/Kg	50	6/27/2005		
Dichlorodifluoromethane	ND	200	µg/Kg	50	6/27/2005		
Ethyl Tert-butyl ether	ND	200	µg/Kg	50	6/27/2005		
Ethylbenzene	ND	200	µg/Kg	50	6/27/2005		
Hexachlorobutadiene	ND	200	µg/Kg	50	6/27/2005		
Isopropylbenzene	ND	200	µg/Kg	50	6/27/2005		
m,p-Xylene	ND	390	µg/Kg	50	6/27/2005		
Methylene chloride	ND	200	µg/Kg	50	6/27/2005		
MTBE	ND	200	µg/Kg	50	6/27/2005		
n-Butylbenzene	ND	200	µg/Kg	50	6/27/2005		
n-Propylbenzene	470	200	µg/Kg	50	6/27/2005		
Naphthalene	ND	200	µg/Kg	50	6/27/2005		
o-Xylene	ND	200	µg/Kg	50	6/27/2005		
sec-Butylbenzene	ND	200	µg/Kg	50	6/27/2005		
Styrene	ND	200	µg/Kg	50	6/27/2005		
Tert-amyl methyl ether	ND	200	µg/Kg	50	6/27/2005		
Tert-Butanol	ND	3900	µg/Kg	50	6/27/2005		
tert-Butylbenzene	ND	200	µg/Kg	50	6/27/2005		
Tetrachloroethene	ND	200	µg/Kg	50	6/27/2005		
Toluene	ND	200	µg/Kg	50	6/27/2005		
trans-1,2-Dichloroethene	ND	200	µg/Kg	50	6/27/2005		
Trichloroethene	ND	200	µg/Kg	50	6/27/2005		
Trichlorofluoromethane	ND	200	µg/Kg	50	6/27/2005		
Vinyl chloride	ND	200	µg/Kg	50	6/27/2005		

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank E - Value above quantitation range
 DO - Surrogate Diluted Out H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 28-Jun-05

CLIENT: SCS Engineers **Client Sample ID:** SCSB11-GW
Lab Order: 077300
Project: Long Beach City Tow Yard, 01204007.02 **Collection Date:** 6/21/2005
Lab ID: 077300-015 **Matrix:** WATER

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC6_050624A **QC Batch:** I05VW121 **PrepDate:** **Analyst:** MFR
GRO 0.30 0.20 mg/L 1 6/24/2005

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID:	MS11_050628A	QC Batch:	A05VW187	PrepDate:	Analyst:	MFR
1,1,1,2-Tetrachloroethane	ND	5.0	µg/L	1	6/28/2005	
1,1,1-Trichloroethane	ND	5.0	µg/L	1	6/28/2005	
1,1,2,2-Tetrachloroethane	ND	5.0	µg/L	1	6/28/2005	
1,1,2-Trichloroethane	ND	5.0	µg/L	1	6/28/2005	
1,1-Dichloroethane	ND	5.0	µg/L	1	6/28/2005	
1,1-Dichloroethene	ND	5.0	µg/L	1	6/28/2005	
1,1-Dichloropropene	ND	5.0	µg/L	1	6/28/2005	
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1	6/28/2005	
1,2,3-Trichloropropane	ND	5.0	µg/L	1	6/28/2005	
1,2,4-Trichlorobenzene	ND	5.0	µg/L	1	6/28/2005	
1,2,4-Trimethylbenzene	13	5.0	µg/L	1	6/28/2005	
1,2-Dibromo-3-chloropropane	ND	5.0	µg/L	1	6/28/2005	
1,2-Dibromoethane	ND	5.0	µg/L	1	6/28/2005	
1,2-Dichlorobenzene	ND	5.0	µg/L	1	6/28/2005	
1,2-Dichloroethane	ND	5.0	µg/L	1	6/28/2005	
1,2-Dichloropropane	ND	5.0	µg/L	1	6/28/2005	
1,3,5-Trimethylbenzene	ND	5.0	µg/L	1	6/28/2005	
1,3-Dichlorobenzene	ND	5.0	µg/L	1	6/28/2005	
1,3-Dichloropropane	ND	5.0	µg/L	1	6/28/2005	
1,4-Dichlorobenzene	ND	5.0	µg/L	1	6/28/2005	
2,2-Dichloropropane	ND	5.0	µg/L	1	6/28/2005	
2-Chlorotoluene	ND	5.0	µg/L	1	6/28/2005	
4-Chlorotoluene	ND	5.0	µg/L	1	6/28/2005	
4-Isopropyltoluene	ND	5.0	µg/L	1	6/28/2005	
Benzene	ND	5.0	µg/L	1	6/28/2005	
Bromobenzene	ND	5.0	µg/L	1	6/28/2005	
Bromodichloromethane	ND	5.0	µg/L	1	6/28/2005	
Bromoform	ND	5.0	µg/L	1	6/28/2005	
Bromomethane	ND	5.0	µg/L	1	6/28/2005	
Carbon tetrachloride	ND	5.0	µg/L	1	6/28/2005	
Chlorobenzene	ND	5.0	µg/L	1	6/28/2005	

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank E - Value above quantitation range
 DO - Surrogate Diluted Out H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 28-Jun-05

CLIENT: SCS Engineers Client Sample ID: SCSB11-GW
 Lab Order: 077300
 Project: Long Beach City Tow Yard, 01204007.02 Collection Date: 6/21/2005
 Lab ID: 077300-015 Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS11_050628A	QC Batch: A05VW187	PrepDate:	Analyst: MFR		
Chloroethane	ND	5.0	µg/L	1	6/28/2005
Chloroform	ND	5.0	µg/L	1	6/28/2005
Chloromethane	ND	5.0	µg/L	1	6/28/2005
cis-1,2-Dichloroethene	ND	5.0	µg/L	1	6/28/2005
cis-1,3-Dichloropropene	ND	5.0	µg/L	1	6/28/2005
Di-isopropyl ether	ND	5.0	µg/L	1	6/28/2005
Dibromochloromethane	ND	5.0	µg/L	1	6/28/2005
Dibromomethane	ND	5.0	µg/L	1	6/28/2005
Dichlorodifluoromethane	ND	5.0	µg/L	1	6/28/2005
Ethyl tert-butyl ether	ND	5.0	µg/L	1	6/28/2005
Ethylbenzene	5.1	5.0	µg/L	1	6/28/2005
Hexachlorobutadiene	ND	5.0	µg/L	1	6/28/2005
Isopropylbenzene	ND	5.0	µg/L	1	6/28/2005
m,p-Xylene	ND	10	µg/L	1	6/28/2005
Methylene chloride	ND	5.0	µg/L	1	6/28/2005
MTBE	ND	5.0	µg/L	1	6/28/2005
n-Butylbenzene	ND	5.0	µg/L	1	6/28/2005
n-Propylbenzene	ND	5.0	µg/L	1	6/28/2005
Naphthalene	ND	5.0	µg/L	1	6/28/2005
o-Xylene	ND	5.0	µg/L	1	6/28/2005
sec-Butylbenzene	ND	5.0	µg/L	1	6/28/2005
Styrene	ND	5.0	µg/L	1	6/28/2005
Tert-amyl methyl ether	ND	5.0	µg/L	1	6/28/2005
Tert-Butanol	ND	100	µg/L	1	6/28/2005
tert-Butylbenzene	ND	5.0	µg/L	1	6/28/2005
Tetrachloroethene	ND	5.0	µg/L	1	6/28/2005
Toluene	ND	5.0	µg/L	1	6/28/2005
trans-1,2-Dichloroethene	ND	5.0	µg/L	1	6/28/2005
Trichloroethene	ND	5.0	µg/L	1	6/28/2005
Trichlorofluoromethane	ND	5.0	µg/L	1	6/28/2005
Vinyl chloride	ND	5.0	µg/L	1	6/28/2005

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank E - Value above quantitation range
 DO - Surrogate Diluted Out H-Samples exceeding holding time

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Results are wet unless otherwise specified



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Laboratories

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3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 28-Jun-05

CLIENT: SCS Engineers **Client Sample ID:** SCSB12-5'
Lab Order: 077300
Project: Long Beach City Tow Yard, 01204007.02 **Collection Date:** 6/21/2005
Lab ID: 077300-016 **Matrix:** SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC1_050624A QC Batch: D05VS122 PrepDate: 6/21/2005 Analyst: TT
 GRO ND 46 mg/Kg 50 6/24/2005

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID:	MS1_050627A	QC Batch:	P05VS096	PrepDate:	6/21/2005	Analyst:	HH
1,1,1,2-Tetrachloroethane	ND	4.2	µg/Kg	1	6/27/2005		
1,1,1-Trichloroethane	ND	4.2	µg/Kg	1	6/27/2005		
1,1,2,2-Tetrachloroethane	ND	4.2	µg/Kg	1	6/27/2005		
1,1,2-Trichloroethane	ND	4.2	µg/Kg	1	6/27/2005		
1,1-Dichloroethane	ND	4.2	µg/Kg	1	6/27/2005		
1,1-Dichloroethene	ND	4.2	µg/Kg	1	6/27/2005		
1,1-Dichloropropene	ND	4.2	µg/Kg	1	6/27/2005		
1,2,3-Trichlorobenzene	ND	4.2	µg/Kg	1	6/27/2005		
1,2,3-Trichloropropane	ND	4.2	µg/Kg	1	6/27/2005		
1,2,4-Trichlorobenzene	ND	4.2	µg/Kg	1	6/27/2005		
1,2,4-Trimethylbenzene	ND	4.2	µg/Kg	1	6/27/2005		
1,2-Dibromo-3-chloropropane	ND	8.4	µg/Kg	1	6/27/2005		
1,2-Dibromoethane	ND	4.2	µg/Kg	1	6/27/2005		
1,2-Dichlorobenzene	ND	4.2	µg/Kg	1	6/27/2005		
1,2-Dichloroethane	ND	4.2	µg/Kg	1	6/27/2005		
1,2-Dichloropropane	ND	4.2	µg/Kg	1	6/27/2005		
1,3,5-Trimethylbenzene	ND	4.2	µg/Kg	1	6/27/2005		
1,3-Dichlorobenzene	ND	4.2	µg/Kg	1	6/27/2005		
1,3-Dichloropropane	ND	4.2	µg/Kg	1	6/27/2005		
1,4-Dichlorobenzene	ND	4.2	µg/Kg	1	6/27/2005		
2,2-Dichloropropane	ND	4.2	µg/Kg	1	6/27/2005		
2-Chlorotoluene	ND	4.2	µg/Kg	1	6/27/2005		
4-Chlorotoluene	ND	4.2	µg/Kg	1	6/27/2005		
4-Isopropyltoluene	ND	4.2	µg/Kg	1	6/27/2005		
Benzene	ND	4.2	µg/Kg	1	6/27/2005		
Bromobenzene	ND	4.2	µg/Kg	1	6/27/2005		
Bromodichloromethane	ND	4.2	µg/Kg	1	6/27/2005		
Bromoform	ND	4.2	µg/Kg	1	6/27/2005		
Bromomethane	ND	4.2	µg/Kg	1	6/27/2005		
Carbon tetrachloride	ND	4.2	µg/Kg	1	6/27/2005		
Chlorobenzene	ND	4.2	µg/Kg	1	6/27/2005		

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank E - Value above quantitation range
 DO - Surrogate Diluted Out H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 28-Jun-05

CLIENT:	SCS Engineers	Client Sample ID:	SCSB12-5'
Lab Order:	077300		
Project:	Long Beach City Tow Yard, 01204007.02	Collection Date:	6/21/2005
Lab ID:	077300-016	Matrix:	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 8260B**

RunID:	MS1_050627A	QC Batch:	P05VS096	PrepDate:	6/21/2005	Analyst:	HH
Chloroethane	ND	4.2		µg/Kg	1		6/27/2005
Chloroform	ND	4.2		µg/Kg	1		6/27/2005
Chloromethane	ND	4.2		µg/Kg	1		6/27/2005
cis-1,2-Dichloroethene	ND	4.2		µg/Kg	1		6/27/2005
cis-1,3-Dichloropropene	ND	4.2		µg/Kg	1		6/27/2005
Di-isopropyl ether	ND	4.2		µg/Kg	1		6/27/2005
Dibromochloromethane	ND	4.2		µg/Kg	1		6/27/2005
Dibromomethane	ND	4.2		µg/Kg	1		6/27/2005
Dichlorodifluoromethane	ND	4.2		µg/Kg	1		6/27/2005
Ethyl Tert-butyl ether	ND	4.2		µg/Kg	1		6/27/2005
Ethylbenzene	ND	4.2		µg/Kg	1		6/27/2005
Hexachlorobutadiene	ND	4.2		µg/Kg	1		6/27/2005
Isopropylbenzene	ND	4.2		µg/Kg	1		6/27/2005
m,p-Xylene	ND	8.4		µg/Kg	1		6/27/2005
Methylene chloride	ND	4.2		µg/Kg	1		6/27/2005
MTBE	ND	4.2		µg/Kg	1		6/27/2005
n-Butylbenzene	ND	4.2		µg/Kg	1		6/27/2005
n-Propylbenzene	ND	4.2		µg/Kg	1		6/27/2005
Naphthalene	ND	4.2		µg/Kg	1		6/27/2005
o-Xylene	ND	4.2		µg/Kg	1		6/27/2005
sec-Butylbenzene	ND	4.2		µg/Kg	1		6/27/2005
Styrene	ND	4.2		µg/Kg	1		6/27/2005
Tert-amyl methyl ether	ND	4.2		µg/Kg	1		6/27/2005
Tert-Butanol	ND	84		µg/Kg	1		6/27/2005
tert-Butylbenzene	ND	4.2		µg/Kg	1		6/27/2005
Tetrachloroethene	ND	4.2		µg/Kg	1		6/27/2005
Toluene	ND	4.2		µg/Kg	1		6/27/2005
trans-1,2-Dichloroethene	ND	4.2		µg/Kg	1		6/27/2005
Trichloroethene	ND	4.2		µg/Kg	1		6/27/2005
Trichlorofluoromethane	ND	4.2		µg/Kg	1		6/27/2005
Vinyl chloride	ND	4.2		µg/Kg	1		6/27/2005

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	E - Value above quantitation range
	DO - Surrogate Diluted Out	H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 28-Jun-05

CLIENT: SCS Engineers **Client Sample ID:** SCSB12-10'
Lab Order: 077300
Project: Long Beach City Tow Yard, 01204007.02 **Collection Date:** 6/21/2005
Lab ID: 077300-017 **Matrix:** SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC1_050624A QC Batch: D05VS122 PrepDate: 6/21/2005 Analyst: TT
 GRO 200 42 mg/Kg 50 6/24/2005

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID:	MS1_050627A	QC Batch:	P05VS096	PrepDate:	6/21/2005	Analyst:	HH
1,1,1,2-Tetrachloroethane	ND	210	µg/Kg	50	6/27/2005		
1,1,1-Trichloroethane	ND	210	µg/Kg	50	6/27/2005		
1,1,2,2-Tetrachloroethane	ND	210	µg/Kg	50	6/27/2005		
1,1,2-Trichloroethane	ND	210	µg/Kg	50	6/27/2005		
1,1-Dichloroethane	ND	210	µg/Kg	50	6/27/2005		
1,1-Dichloroethene	ND	210	µg/Kg	50	6/27/2005		
1,1-Dichloropropene	ND	210	µg/Kg	50	6/27/2005		
1,2,3-Trichlorobenzene	ND	210	µg/Kg	50	6/27/2005		
1,2,3-Trichloropropane	ND	210	µg/Kg	50	6/27/2005		
1,2,4-Trichlorobenzene	ND	210	µg/Kg	50	6/27/2005		
1,2,4-Trimethylbenzene	ND	210	µg/Kg	50	6/27/2005		
1,2-Dibromo-3-chloropropane	ND	420	µg/Kg	50	6/27/2005		
1,2-Dibromoethane	ND	210	µg/Kg	50	6/27/2005		
1,2-Dichlorobenzene	ND	210	µg/Kg	50	6/27/2005		
1,2-Dichloroethane	ND	210	µg/Kg	50	6/27/2005		
1,2-Dichloropropane	ND	210	µg/Kg	50	6/27/2005		
1,3,5-Trimethylbenzene	ND	210	µg/Kg	50	6/27/2005		
1,3-Dichlorobenzene	ND	210	µg/Kg	50	6/27/2005		
1,3-Dichloropropane	ND	210	µg/Kg	50	6/27/2005		
1,4-Dichlorobenzene	ND	210	µg/Kg	50	6/27/2005		
2,2-Dichloropropane	ND	210	µg/Kg	50	6/27/2005		
2-Chlorotoluene	ND	210	µg/Kg	50	6/27/2005		
4-Chlorotoluene	ND	210	µg/Kg	50	6/27/2005		
4-Isopropyltoluene	ND	210	µg/Kg	50	6/27/2005		
Benzene	ND	210	µg/Kg	50	6/27/2005		
Bromobenzene	ND	210	µg/Kg	50	6/27/2005		
Bromodichloromethane	ND	210	µg/Kg	50	6/27/2005		
Bromoform	ND	210	µg/Kg	50	6/27/2005		
Bromomethane	ND	210	µg/Kg	50	6/27/2005		
Carbon tetrachloride	ND	210	µg/Kg	50	6/27/2005		
Chlorobenzene	ND	210	µg/Kg	50	6/27/2005		

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank E - Value above quantitation range
 DO - Surrogate Diluted Out H-Samples exceeding holding time

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Results are wet unless otherwise specified



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3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 28-Jun-05

CLIENT:	SCS Engineers	Client Sample ID:	SCSB12-10'
Lab Order:	077300		
Project:	Long Beach City Tow Yard, 01204007.02	Collection Date:	6/21/2005
Lab ID:	077300-017	Matrix:	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 8260B**

RunID:	MS1_050627A	QC Batch:	P05VS096	PrepDate:	6/21/2005	Analyst:	HH
Chloroethane	ND	210		µg/Kg	50		6/27/2005
Chloroform	ND	210		µg/Kg	50		6/27/2005
Chloromethane	ND	210		µg/Kg	50		6/27/2005
cis-1,2-Dichloroethene	ND	210		µg/Kg	50		6/27/2005
cis-1,3-Dichloropropene	ND	210		µg/Kg	50		6/27/2005
Di-isopropyl ether	ND	210		µg/Kg	50		6/27/2005
Dibromochloromethane	ND	210		µg/Kg	50		6/27/2005
Dibromomethane	ND	210		µg/Kg	50		6/27/2005
Dichlorodifluoromethane	ND	210		µg/Kg	50		6/27/2005
Ethyl Tert-butyl ether	ND	210		µg/Kg	50		6/27/2005
Ethylbenzene	ND	210		µg/Kg	50		6/27/2005
Hexachlorobutadiene	ND	210		µg/Kg	50		6/27/2005
Isopropylbenzene	ND	210		µg/Kg	50		6/27/2005
m,p-Xylene	ND	420		µg/Kg	50		6/27/2005
Methylene chloride	ND	210		µg/Kg	50		6/27/2005
MTBE	ND	210		µg/Kg	50		6/27/2005
n-Butylbenzene	ND	210		µg/Kg	50		6/27/2005
n-Propylbenzene	ND	210		µg/Kg	50		6/27/2005
Naphthalene	ND	210		µg/Kg	50		6/27/2005
o-Xylene	ND	210		µg/Kg	50		6/27/2005
sec-Butylbenzene	740	210		µg/Kg	50		6/27/2005
Styrene	ND	210		µg/Kg	50		6/27/2005
Tert-amyl methyl ether	ND	210		µg/Kg	50		6/27/2005
Tert-Butanol	ND	4200		µg/Kg	50		6/27/2005
tert-Butylbenzene	ND	210		µg/Kg	50		6/27/2005
Tetrachloroethene	ND	210		µg/Kg	50		6/27/2005
Toluene	ND	210		µg/Kg	50		6/27/2005
trans-1,2-Dichloroethene	ND	210		µg/Kg	50		6/27/2005
Trichloroethene	ND	210		µg/Kg	50		6/27/2005
Trichlorofluoromethane	ND	210		µg/Kg	50		6/27/2005
Vinyl chloride	ND	210		µg/Kg	50		6/27/2005

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 28-Jun-05

CLIENT:	SCS Engineers	Client Sample ID:	SCSB12-GW
Lab Order:	077300		
Project:	Long Beach City Tow Yard, 01204007.02	Collection Date:	6/21/2005
Lab ID:	077300-018	Matrix:	WATER

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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GASOLINE RANGE ORGANICS BY GC/FID**EPA 8015B(M)**

RunID:	GC6_050624A	QC Batch:	I05VW121	PrepDate:		Analyst:	MFR
GRO		ND	0.20	mg/L	1		6/24/2005

VOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 8260B**

RunID:	MS11_050628A	QC Batch:	A05VW187	PrepDate:		Analyst:	MFR
1,1,1,2-Tetrachloroethane	ND	5.0	µg/L	1			6/28/2005
1,1,1-Trichloroethane	ND	5.0	µg/L	1			6/28/2005
1,1,2,2-Tetrachloroethane	ND	5.0	µg/L	1			6/28/2005
1,1,2-Trichloroethane	ND	5.0	µg/L	1			6/28/2005
1,1-Dichloroethane	ND	5.0	µg/L	1			6/28/2005
1,1-Dichloroethene	ND	5.0	µg/L	1			6/28/2005
1,1-Dichloropropene	ND	5.0	µg/L	1			6/28/2005
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1			6/28/2005
1,2,3-Trichloropropane	ND	5.0	µg/L	1			6/28/2005
1,2,4-Trichlorobenzene	ND	5.0	µg/L	1			6/28/2005
1,2,4-Trimethylbenzene	ND	5.0	µg/L	1			6/28/2005
1,2-Dibromo-3-chloropropane	ND	5.0	µg/L	1			6/28/2005
1,2-Dibromoethane	ND	5.0	µg/L	1			6/28/2005
1,2-Dichlorobenzene	ND	5.0	µg/L	1			6/28/2005
1,2-Dichloroethane	ND	5.0	µg/L	1			6/28/2005
1,2-Dichloropropane	ND	5.0	µg/L	1			6/28/2005
1,3,5-Trimethylbenzene	ND	5.0	µg/L	1			6/28/2005
1,3-Dichlorobenzene	ND	5.0	µg/L	1			6/28/2005
1,3-Dichloropropane	ND	5.0	µg/L	1			6/28/2005
1,4-Dichlorobenzene	ND	5.0	µg/L	1			6/28/2005
2,2-Dichloropropane	ND	5.0	µg/L	1			6/28/2005
2-Chlorotoluene	ND	5.0	µg/L	1			6/28/2005
4-Chlorotoluene	ND	5.0	µg/L	1			6/28/2005
4-Isopropyltoluene	ND	5.0	µg/L	1			6/28/2005
Benzene	ND	5.0	µg/L	1			6/28/2005
Bromobenzene	ND	5.0	µg/L	1			6/28/2005
Bromodichloromethane	ND	5.0	µg/L	1			6/28/2005
Bromoform	ND	5.0	µg/L	1			6/28/2005
Bromomethane	ND	5.0	µg/L	1			6/28/2005
Carbon tetrachloride	ND	5.0	µg/L	1			6/28/2005
Chlorobenzene	ND	5.0	µg/L	1			6/28/2005

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H - Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 28-Jun-05

CLIENT:	SCS Engineers	Client Sample ID:	SCSB12-GW
Lab Order:	077300		
Project:	Long Beach City Tow Yard, 01204007.02	Collection Date:	6/21/2005
Lab ID:	077300-018	Matrix:	WATER

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 8260B**

RunID: MS11_050628A	QC Batch: A05VW187	PrepDate:	Analyst: MFR		
Chloroethane	ND	5.0	µg/L	1	6/28/2005
Chloroform	ND	5.0	µg/L	1	6/28/2005
Chloromethane	ND	5.0	µg/L	1	6/28/2005
cis-1,2-Dichloroethene	ND	5.0	µg/L	1	6/28/2005
cis-1,3-Dichloropropene	ND	5.0	µg/L	1	6/28/2005
Di-isopropyl ether	ND	5.0	µg/L	1	6/28/2005
Dibromochloromethane	ND	5.0	µg/L	1	6/28/2005
Dibromomethane	ND	5.0	µg/L	1	6/28/2005
Dichlorodifluoromethane	ND	5.0	µg/L	1	6/28/2005
Ethyl tert-butyl ether	ND	5.0	µg/L	1	6/28/2005
Ethylbenzene	ND	5.0	µg/L	1	6/28/2005
Hexachlorobutadiene	ND	5.0	µg/L	1	6/28/2005
Isopropylbenzene	ND	5.0	µg/L	1	6/28/2005
m,p-Xylene	ND	10	µg/L	1	6/28/2005
Methylene chloride	ND	5.0	µg/L	1	6/28/2005
MTBE	ND	5.0	µg/L	1	6/28/2005
n-Butylbenzene	ND	5.0	µg/L	1	6/28/2005
n-Propylbenzene	ND	5.0	µg/L	1	6/28/2005
Naphthalene	ND	5.0	µg/L	1	6/28/2005
o-Xylene	ND	5.0	µg/L	1	6/28/2005
sec-Butylbenzene	ND	5.0	µg/L	1	6/28/2005
Styrene	ND	5.0	µg/L	1	6/28/2005
Tert-amyl methyl ether	ND	5.0	µg/L	1	6/28/2005
Tert-Butanol	ND	100	µg/L	1	6/28/2005
tert-Butylbenzene	ND	5.0	µg/L	1	6/28/2005
Tetrachloroethene	ND	5.0	µg/L	1	6/28/2005
Toluene	ND	5.0	µg/L	1	6/28/2005
trans-1,2-Dichloroethene	ND	5.0	µg/L	1	6/28/2005
Trichloroethene	ND	5.0	µg/L	1	6/28/2005
Trichlorofluoromethane	ND	5.0	µg/L	1	6/28/2005
Vinyl chloride	ND	5.0	µg/L	1	6/28/2005

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	E - Value above quantitation range
	DO - Surrogate Diluted Out	H-Samples exceeding holding time

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Results are wet unless otherwise specified





CLIENT: SCS Engineers
Work Order: 077300
Project: Long Beach City Tow Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT**TestCode: 8015_S_G 5035P**

Sample ID: E062405MB1	SampType: MBLK	TestCode: 8015_S_G 50	Units: mg/Kg	Prep Date:	Run ID: GC1_050624A						
Client ID: ZZZZZ	Batch ID: D05VS122	TestNo: EPA 8015B(M)		Analysis Date: 6/24/2005	SeqNo: 757111						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	1.0									
Surr: Bromofluorobenzene (FID)	73.49	0	100	0	73.5	35	139	0	0		

Sample ID: E062405LCS1	SampType: LCS	TestCode: 8015_S_G 50	Units: mg/Kg	Prep Date:	Run ID: GC1_050624A						
Client ID: ZZZZZ	Batch ID: D05VS122	TestNo: EPA 8015B(M)		Analysis Date: 6/24/2005	SeqNo: 757136						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.926	1.0	5	0	98.5	79	117	0	0		
Surr: Bromofluorobenzene (FID)	86.04	0	100	0	86	35	139	0	0		

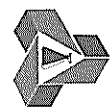
Sample ID: E062405MB1MS	SampType: MS	TestCode: 8015_S_G 50	Units: mg/Kg	Prep Date:	Run ID: GC1_050624A						
Client ID: ZZZZZ	Batch ID: D05VS122	TestNo: EPA 8015B(M)		Analysis Date: 6/24/2005	SeqNo: 757112						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.98	1.0	5	0	99.6	35	134	0	0		
Surr: Bromofluorobenzene (FID)	83.53	0	100	0	83.5	35	139	0	0		

Sample ID: E062405MB1MSD	SampType: MSD	TestCode: 8015_S_G 50	Units: mg/Kg	Prep Date:	Run ID: GC1_050624A						
Client ID: ZZZZZ	Batch ID: D05VS122	TestNo: EPA 8015B(M)		Analysis Date: 6/24/2005	SeqNo: 757113						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.978	1.0	5	0	99.6	35	134	4.98	0.0402	30	
Surr: Bromofluorobenzene (FID)	83.96	0	100	0	84	35	139	0	0	30	

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits
 B - Analyte detected in the associated Method Blank
 Calculations are based on raw values

DO- Surrogate dilute out
 H - Sample exceeded holding time



CLIENT: SCS Engineers
Work Order: 077300
Project: Long Beach City Tow Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_W_G PRES

Sample ID: I062405MB1	SampType: MBLK	TestCode: 8015_W_G P	Units: mg/L	Prep Date:	Run ID: GC6_050624A
Client ID: ZZZZZ	Batch ID: I05VW121	TestNo: EPA 8015B(M)		Analysis Date: 6/24/2005	SeqNo: 757802
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

GRO	ND	0.20									
Surr: Bromofluorobenzene (FID)	87.68	0	100	0	87.7	77	127	0	0		

Sample ID: I062705MB1	SampType: MBLK	TestCode: 8015_W_G P	Units: mg/L	Prep Date:	Run ID: GC6_050627A
Client ID: ZZZZZ	Batch ID: I05VW122	TestNo: EPA 8015B(M)		Analysis Date: 6/27/2005	SeqNo: 758071
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

GRO	ND	0.20									
Surr: Bromofluorobenzene (FID)	88.87	0	100	0	88.9	77	127	0	0		

Sample ID: I062405LC2	SampType: LCS	TestCode: 8015_W_G P	Units: mg/L	Prep Date:	Run ID: GC6_050624A
Client ID: ZZZZZ	Batch ID: I05VW121	TestNo: EPA 8015B(M)		Analysis Date: 6/25/2005	SeqNo: 757810
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

GRO	0.917	0.20	1	0	91.7	70	115	0	0		
Surr: Bromofluorobenzene (FID)	90.18	0	100	0	90.2	77	127	0	0		

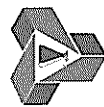
Sample ID: I062705LC2	SampType: LCS	TestCode: 8015_W_G P	Units: mg/L	Prep Date:	Run ID: GC6_050627A
Client ID: ZZZZZ	Batch ID: I05VW122	TestNo: EPA 8015B(M)		Analysis Date: 6/27/2005	SeqNo: 758073
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

GRO	0.942	0.20	1	0	94.2	70	115	0	0		
Surr: Bromofluorobenzene (FID)	86.95	0	100	0	86.9	77	127	0	0		

Sample ID: I062405MB1MS	SampType: MS	TestCode: 8015_W_G P	Units: mg/L	Prep Date:	Run ID: GC6_050624A
Client ID: ZZZZZ	Batch ID: I05VW121	TestNo: EPA 8015B(M)		Analysis Date: 6/24/2005	SeqNo: 757800
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

GRO	0.866	0.20	1	0	86.6	64	117	0	0		
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Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits DO- Surrogate dilute out
J - Analyte detected below quantitation limits B - Analyte detected in the associated Method Blank H - Sample exceeded holding time
R - RPD outside accepted recovery limits Calculations are based on raw values



CLIENT: SCS Engineers
Work Order: 077300
Project: Long Beach City Tow Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_W_G PRES

Sample ID: I062405MB1MS	SampType: MS	TestCode: 8015_W_G P	Units: mg/L	Prep Date:	Run ID: GC6_050624A						
Client ID: ZZZZZ	Batch ID: I05VW121	TestNo: EPA 8015B(M)		Analysis Date: 6/24/2005	SeqNo: 757800						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Bromofluorobenzene (FID)	88.88	0	100	0	88.9	77	127	0	0		

Sample ID: I062705MB1MS	SampType: MS	TestCode: 8015_W_G_P	Units: mg/L	Prep Date:	Run ID: GC6_050627A						
Client ID: ZZZZZ	Batch ID: I05VW122	TestNo: EPA 8015B(M)		Analysis Date: 6/27/2005	SeqNo: 758070						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.838	0.20	1	0	83.8	64	117	0	0		
Surr: Bromofluorobenzene (FID)	88.82	0	100	0	88.8	77	127	0	0		

Sample ID: I062405MB1MSD	SampType: MSD	TestCode: 8015_W_G P	Units: mg/L	Prep Date:	Run ID: GC6_050624A						
Client ID: ZZZZZ	Batch ID: I05VW121	TestNo: EPA 8015B(M)		Analysis Date: 6/24/2005	SeqNo: 757801						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.824	0.20	1	0	82.4	64	117	0.866	4.97	30	
Surr: Bromofluorobenzene (FID)	87	0	100	0	87	77	127	0	0	0	

Sample ID: I062705MB1MSD	SampType: MSD	TestCode: 8015_W_G P	Units: mg/L	Prep Date:	Run ID: GC6_050627A						
Client ID: ZZZZZ	Batch ID: I05VW122	TestNo: EPA 8015B(M)		Analysis Date: 6/27/2005	SeqNo: 758069						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.877	0.20	1	0	87.7	64	117	0.838	4.55	30	
Surr: Bromofluorobenzene (FID)	88.79	0	100	0	88.8	77	127	0	0	0	

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits DO- Surrogate dilute out
J - Analyte detected below quantitation limits B - Analyte detected in the associated Method Blank H - Sample exceeded holding time
R - RPD outside accepted recovery limits Calculations are based on raw values

CLIENT: SCS Engineers
Work Order: 077300
Project: Long Beach City Tow Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S_5035

Sample ID: P050624MB2		SampType: MBLK		TestCode: 8260_S_5035		Units: µg/Kg		Prep Date:		Run ID: MS1_050624A	
Client ID: ZZZZZ		Batch ID: P05VS095		TestNo: EPA 8260B		Analysis Date: 6/24/2005		SeqNo: 757452			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0									
1,1,1-Trichloroethane	ND	5.0									
1,1,2,2-Tetrachloroethane	ND	5.0									
1,1,2-Trichloroethane	ND	5.0									
1,1-Dichloroethane	ND	5.0									
1,1-Dichloroethene	ND	5.0									
1,1-Dichloropropene	ND	5.0									
1,2,3-Trichlorobenzene	ND	5.0									
1,2,3-Trichloropropane	ND	5.0									
1,2,4-Trichlorobenzene	ND	5.0									
1,2,4-Trimethylbenzene	ND	5.0									
1,2-Dibromo-3-chloropropane	ND	10									
1,2-Dibromoethane	ND	5.0									
1,2-Dichlorobenzene	ND	5.0									
1,2-Dichloroethane	ND	5.0									
1,2-Dichloropropane	ND	5.0									
1,3,5-Trimethylbenzene	ND	5.0									
1,3-Dichlorobenzene	ND	5.0									
1,3-Dichloropropane	ND	5.0									
1,4-Dichlorobenzene	ND	5.0									
2,2-Dichloropropane	ND	5.0									
2-Chlorotoluene	ND	5.0									
4-Chlorotoluene	ND	5.0									
4-Isopropyltoluene	ND	5.0									
Benzene	ND	5.0									
Bromobenzene	ND	5.0									
Bromodichloromethane	ND	5.0									
Bromoform	ND	5.0									
Bromomethane	ND	5.0									
Carbon tetrachloride	ND	5.0									

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits DO- Surrogate dilute out
J - Analyte detected below quantitation limits B - Analyte detected in the associated Method Blank H - Sample exceeded holding time
R - RPD outside accepted recovery limits Calculations are based on raw values



CLIENT: SCS Engineers
Work Order: 077300
Project: Long Beach City Tow Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S_5035

Sample ID: P050624MB2	SampType: MBLK	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:	Run ID: MS1_050624A						
Client ID: ZZZZZ	Batch ID: P05VS095	TestNo: EPA 8260B		Analysis Date: 6/24/2005	SeqNo: 757452						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorobenzene	ND	5.0									
Chloroethane	ND	5.0									
Chloroform	ND	5.0									
Chloromethane	ND	5.0									
cis-1,2-Dichloroethene	ND	5.0									
cis-1,3-Dichloropropene	ND	5.0									
Di-isopropyl ether	ND	5.0									
Dibromochloromethane	ND	5.0									
Dibromomethane	ND	5.0									
Dichlorodifluoromethane	ND	5.0									
Ethyl Tert-butyl ether	ND	5.0									
Ethylbenzene	ND	5.0									
Hexachlorobutadiene	ND	5.0									
Isopropylbenzene	ND	5.0									
m,p-Xylene	ND	10									
Methylene chloride	ND	5.0									
MTBE	ND	5.0									
n-Butylbenzene	ND	5.0									
n-Propylbenzene	ND	5.0									
Naphthalene	ND	5.0									
o-Xylene	ND	5.0									
sec-Butylbenzene	ND	5.0									
Styrene	ND	5.0									
Tert-amyl methyl ether	ND	5.0									
Tert-Butanol	ND	100									
tert-Butylbenzene	ND	5.0									
Tetrachloroethene	ND	5.0									
Toluene	ND	5.0									
trans-1,2-Dichloroethene	ND	5.0									
Trichloroethene	ND	5.0									

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits DO- Surrogate dilute out
J - Analyte detected below quantitation limits B - Analyte detected in the associated Method Blank H - Sample exceeded holding time
R - RPD outside accepted recovery limits Calculations are based on raw values



CLIENT: SCS Engineers
Work Order: 077300
Project: Long Beach City Tow Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S_5035

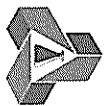
Sample ID: P050624MB2	SampType: MBLK	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:	Run ID: MS1_050624A						
Client ID: ZZZZZ	Batch ID: P05VS095	TestNo: EPA 8260B		Analysis Date: 6/24/2005	SeqNo: 757452						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Trichlorofluoromethane	ND	5.0									
Vinyl chloride	ND	5.0									
Surr: 1,2-Dichloroethane-d4	48.58	5.0	50	0	97.2	66	149	0	0		
Surr: 4-Bromofluorobenzene	45.24	5.0	50	0	90.5	83	125	0	0		
Surr: Dibromofluoromethane	55.1	5.0	50	0	110	75	139	0	0		
Surr: Toluene-d8	51.85	5.0	50	0	104	87	133	0	0		

Sample ID: P050627MB2	SampType: MBLK	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:	Run ID: MS1_050627A						
Client ID: ZZZZZ	Batch ID: P05VS096	TestNo: EPA 8260B		Analysis Date: 6/27/2005	SeqNo: 757967						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,1,1,2-Tetrachloroethane	ND	5.0									
1,1,1-Trichloroethane	ND	5.0									
1,1,2,2-Tetrachloroethane	ND	5.0									
1,1,2-Trichloroethane	ND	5.0									
1,1-Dichloroethane	ND	5.0									
1,1-Dichloroethene	ND	5.0									
1,1-Dichloropropene	ND	5.0									
1,2,3-Trichlorobenzene	ND	5.0									
1,2,3-Trichloropropane	ND	5.0									
1,2,4-Trichlorobenzene	ND	5.0									
1,2,4-Trimethylbenzene	ND	5.0									
1,2-Dibromo-3-chloropropane	ND	10									
1,2-Dibromoethane	ND	5.0									
1,2-Dichlorobenzene	ND	5.0									
1,2-Dichloroethane	ND	5.0									
1,2-Dichloropropane	ND	5.0									
1,3,5-Trimethylbenzene	ND	5.0									
1,3-Dichlorobenzene	ND	5.0									
1,3-Dichloropropane	ND	5.0									

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits DO- Surrogate dilute out
J - Analyte detected below quantitation limits B - Analyte detected in the associated Method Blank H - Sample exceeded holding time
R - RPD outside accepted recovery limits Calculations are based on raw values



CLIENT: SCS Engineers
Work Order: 077300
Project: Long Beach City Tow Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S_5035

Sample ID: P050627MB2	SampType: MBLK	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:	Run ID: MS1_050627A						
Client ID: ZZZZZ	Batch ID: P05VS096	TestNo: EPA 8260B		Analysis Date: 6/27/2005	SeqNo: 757967						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,4-Dichlorobenzene	ND	5.0									
2,2-Dichloropropane	ND	5.0									
2-Chlorotoluene	ND	5.0									
4-Chlorotoluene	ND	5.0									
4-Isopropyltoluene	ND	5.0									
Benzene	ND	5.0									
Bromobenzene	ND	5.0									
Bromodichloromethane	ND	5.0									
Bromoform	ND	5.0									
Bromomethane	ND	5.0									
Carbon tetrachloride	ND	5.0									
Chlorobenzene	ND	5.0									
Chloroethane	ND	5.0									
Chloroform	ND	5.0									
Chloromethane	ND	5.0									
cis-1,2-Dichloroethene	ND	5.0									
cis-1,3-Dichloropropene	ND	5.0									
Di-isopropyl ether	ND	5.0									
Dibromochloromethane	ND	5.0									
Dibromomethane	ND	5.0									
Dichlorodifluoromethane	ND	5.0									
Ethyl Tert-butyl ether	ND	5.0									
Ethylbenzene	ND	5.0									
Hexachlorobutadiene	ND	5.0									
Isopropylbenzene	ND	5.0									
m,p-Xylene	ND	10									
Methylene chloride	ND	5.0									
MTBE	ND	5.0									
n-Butylbenzene	ND	5.0									
n-Propylbenzene	ND	5.0									

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values

DO- Surrogate dilute out
H - Sample exceeded holding time



CLIENT: SCS Engineers
Work Order: 077300
Project: Long Beach City Tow Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S_5035

Sample ID: P050627MB2	SampType: MBLK	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:	Run ID: MS1_050627A						
Client ID: ZZZZZ	Batch ID: P05VS096	TestNo: EPA 8260B		Analysis Date: 6/27/2005	SeqNo: 757967						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	ND	5.0									
o-Xylene	ND	5.0									
sec-Butylbenzene	ND	5.0									
Styrene	ND	5.0									
Tert-amyl methyl ether	ND	5.0									
Tert-Butanol	ND	100									
tert-Butylbenzene	ND	5.0									
Tetrachloroethene	ND	5.0									
Toluene	ND	5.0									
trans-1,2-Dichloroethene	ND	5.0									
Trichloroethene	ND	5.0									
Trichlorofluoromethane	ND	5.0									
Vinyl chloride	ND	5.0									
Surr: 1,2-Dichloroethane-d4	40.95	5.0	50	0	81.9	66	149	0	0		
Surr: 4-Bromofluorobenzene	45.56	5.0	50	0	91.1	83	125	0	0		
Surr: Dibromofluoromethane	49.36	5.0	50	0	98.7	75	139	0	0		
Surr: Toluene-d8	49.6	5.0	50	0	99.2	87	133	0	0		

Sample ID: P050624LC1	SampType: LCS	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:	Run ID: MS1_050624A						
Client ID: ZZZZZ	Batch ID: P05VS095	TestNo: EPA 8260B		Analysis Date: 6/24/2005	SeqNo: 757449						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	112.4	5.0	100	0	112	70	119	0	0		
Benzene	101.5	5.0	100	0	102	80	121	0	0		
Chlorobenzene	110.4	5.0	100	0	110	88	129	0	0		
MTBE	85.53	5.0	100	0	85.5	59	126	0	0		
Toluene	100.8	5.0	100	0	101	84	126	0	0		
Trichloroethene	103.1	5.0	100	0	103	83	129	0	0		
Surr: 1,2-Dichloroethane-d4	42.18	5.0	50	0	84.4	66	149	0	0		
Surr: 4-Bromofluorobenzene	47.3	5.0	50	0	94.6	83	125	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits DO- Surrogate dilute out
 J - Analyte detected below quantitation limits B - Analyte detected in the associated Method Blank H - Sample exceeded holding time
 R - RPD outside accepted recovery limits Calculations are based on raw values



CLIENT: SCS Engineers
Work Order: 077300
Project: Long Beach City Tow Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

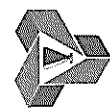
TestCode: 8260_S_5035

Sample ID: P050624LC1	SampType: LCS	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:	Run ID: MS1_050624A						
Client ID: ZZZZZ	Batch ID: P05VS095	TestNo: EPA 8260B		Analysis Date: 6/24/2005	SeqNo: 757449						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Dibromofluoromethane	49.93	5.0	50	0	99.9	75	139	0	0		
Surr: Toluene-d8	51.76	5.0	50	0	104	87	133	0	0		

Sample ID: P050627LC1	SampType: LCS	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:	Run ID: MS1_050627A						
Client ID: ZZZZZ	Batch ID: P05VS096	TestNo: EPA 8260B		Analysis Date: 6/27/2005	SeqNo: 757964						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	107.8	5.0	100	0	108	70	119	0	0		
Benzene	103.6	5.0	100	0	104	80	121	0	0		
Chlorobenzene	118	5.0	100	0	118	88	129	0	0		
MTBE	98.25	5.0	100	0	98.2	59	126	0	0		
Toluene	105.5	5.0	100	0	106	84	126	0	0		
Trichloroethene	107.2	5.0	100	0	107	83	129	0	0		
Surr: 1,2-Dichloroethane-d4	39.72	5.0	50	0	79.4	66	149	0	0		
Surr: 4-Bromofluorobenzene	47.85	5.0	50	0	95.7	83	125	0	0		
Surr: Dibromofluoromethane	47.42	5.0	50	0	94.8	75	139	0	0		
Surr: Toluene-d8	50.92	5.0	50	0	102	87	133	0	0		

Sample ID: P050624MB2MS	SampType: MS	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:	Run ID: MS1_050624A						
Client ID: ZZZZZ	Batch ID: P05VS095	TestNo: EPA 8260B		Analysis Date: 6/24/2005	SeqNo: 757450						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	114.8	5.0	100	0	115	52	135	0	0		
Benzene	106.8	5.0	100	0	107	52	143	0	0		
Chlorobenzene	119.8	5.0	100	0	120	48	154	0	0		
MTBE	93.69	5.0	100	0	93.7	34	156	0	0		
Toluene	107.3	5.0	100	0	107	54	146	0	0		
Trichloroethene	107.9	5.0	100	0	108	44	169	0	0		
Surr: 1,2-Dichloroethane-d4	43.21	5.0	50	0	86.4	66	149	0	0		
Surr: 4-Bromofluorobenzene	47.69	5.0	50	0	95.4	83	125	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits DO- Surrogate dilute out
 J - Analyte detected below quantitation limits B - Analyte detected in the associated Method Blank H - Sample exceeded holding time
 R - RPD outside accepted recovery limits Calculations are based on raw values



CLIENT: SCS Engineers
Work Order: 077300
Project: Long Beach City Tow Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S_5035

Sample ID: P050624MB2MS	SampType: MS	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:	Run ID: MS1_050624A						
Client ID: ZZZZZ	Batch ID: P05VS095	TestNo: EPA 8260B		Analysis Date: 6/24/2005	SeqNo: 757450						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Dibromofluoromethane	50.3	5.0	50	0	101	75	139	0	0		
Surr: Toluene-d8	51.25	5.0	50	0	103	87	133	0	0		

Sample ID: P050627MB2MS	SampType: MS	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:	Run ID: MS1_050627A						
Client ID: ZZZZZ	Batch ID: P05VS096	TestNo: EPA 8260B		Analysis Date: 6/27/2005	SeqNo: 757965						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	110.7	5.0	100	0	111	52	135	0	0		
Benzene	104.4	5.0	100	0	104	52	143	0	0		
Chlorobenzene	120.2	5.0	100	0	120	48	154	0	0		
MTBE	98.88	5.0	100	0	98.9	34	156	0	0		
Toluene	103	5.0	100	0	103	54	146	0	0		
Trichloroethene	105.8	5.0	100	0	106	44	169	0	0		
Surr: 1,2-Dichloroethane-d4	39.37	5.0	50	0	78.7	66	149	0	0		
Surr: 4-Bromofluorobenzene	46.74	5.0	50	0	93.5	83	125	0	0		
Surr: Dibromofluoromethane	48.16	5.0	50	0	96.3	75	139	0	0		
Surr: Toluene-d8	49.83	5.0	50	0	99.7	87	133	0	0		

Sample ID: P050624MB2MSD	SampType: MSD	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:	Run ID: MS1_050624A						
Client ID: ZZZZZ	Batch ID: P05VS095	TestNo: EPA 8260B		Analysis Date: 6/24/2005	SeqNo: 757451						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	114.6	5.0	100	0	115	52	135	114.8	0.105	30	
Benzene	107.7	5.0	100	0	108	52	143	106.8	0.839	30	
Chlorobenzene	118.9	5.0	100	0	119	48	154	119.8	0.704	30	
MTBE	95.09	5.0	100	0	95.1	34	156	93.69	1.48	30	
Toluene	107.6	5.0	100	0	108	54	146	107.3	0.289	30	
Trichloroethene	108.7	5.0	100	0	109	44	169	107.9	0.711	30	
Surr: 1,2-Dichloroethane-d4	43.07	5.0	50	0	86.1	66	149	0	0	30	
Surr: 4-Bromofluorobenzene	48.57	5.0	50	0	97.1	83	125	0	0	30	

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits
 B - Analyte detected in the associated Method Blank
 Calculations are based on raw values

DO- Surrogate dilute out
 H - Sample exceeded holding time



CLIENT: SCS Engineers
Work Order: 077300
Project: Long Beach City Tow Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S_5035

Sample ID: P050624MB2MSD	SampType: MSD	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:	Run ID: MS1_050624A						
Client ID: ZZZZZ	Batch ID: P05VS095	TestNo: EPA 8260B		Analysis Date: 6/24/2005	SeqNo: 757451						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Dibromofluoromethane	50.16	5.0	50	0	100	75	139	0	0	30	
Surr: Toluene-d8	52.45	5.0	50	0	105	87	133	0	0	30	

Sample ID: P050627MB2MSD	SampType: MSD	TestCode: 8260_S_5035		Units: µg/Kg	Prep Date:				Run ID: MS1_050627A		
Client ID: ZZZZZ	Batch ID: P05VS096	TestNo: EPA 8260B			Analysis Date: 6/27/2005				SeqNo: 757966		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	108.7	5.0	100	0	109	52	135	110.7	1.81	30	
Benzene	105.4	5.0	100	0	105	52	143	104.4	0.982	30	
Chlorobenzene	120.2	5.0	100	0	120	48	154	120.2	0.00832	30	
MTBE	95.85	5.0	100	0	95.8	34	156	98.88	3.11	30	
Toluene	107.3	5.0	100	0	107	54	146	103	4.11	30	
Trichloroethene	106.7	5.0	100	0	107	44	169	105.8	0.857	30	
Surr: 1,2-Dichloroethane-d4	39.13	5.0	50	0	78.3	66	149	0	0	30	
Surr: 4-Bromofluorobenzene	47.57	5.0	50	0	95.1	83	125	0	0	30	
Surr: Dibromofluoromethane	47.05	5.0	50	0	94.1	75	139	0	0	30	
Surr: Toluene-d8	51.23	5.0	50	0	102	87	133	0	0	30	

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits
 B - Analyte detected in the associated Method Blank
 Calculations are based on raw values

DO- Surrogate dilute out
 H - Sample exceeded holding time



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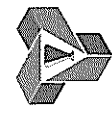
CLIENT: SCS Engineers
Work Order: 077300
Project: Long Beach City Tow Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: A062805MB4	SampType: MBLK	TestCode: 8260_WP	Units: µg/L	Prep Date:	Run ID: MS11_050628A						
Client ID: ZZZZZ	Batch ID: A05VW187	TestNo: EPA 8260B		Analysis Date: 6/28/2005	SeqNo: 758263						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0									
1,1,1-Trichloroethane	ND	5.0									
1,1,2,2-Tetrachloroethane	ND	5.0									
1,1,2-Trichloroethane	ND	5.0									
1,1-Dichloroethane	ND	5.0									
1,1-Dichloroethene	ND	5.0									
1,1-Dichloropropene	ND	5.0									
1,2,3-Trichlorobenzene	ND	5.0									
1,2,3-Trichloropropane	ND	5.0									
1,2,4-Trichlorobenzene	ND	5.0									
1,2,4-Trimethylbenzene	ND	5.0									
1,2-Dibromo-3-chloropropane	ND	5.0									
1,2-Dibromoethane	ND	5.0									
1,2-Dichlorobenzene	ND	5.0									
1,2-Dichloroethane	ND	5.0									
1,2-Dichloropropane	ND	5.0									
1,3,5-Trimethylbenzene	ND	5.0									
1,3-Dichlorobenzene	ND	5.0									
1,3-Dichloropropane	ND	5.0									
1,4-Dichlorobenzene	ND	5.0									
2,2-Dichloropropane	ND	5.0									
2-Chlorotoluene	ND	5.0									
4-Chlorotoluene	ND	5.0									
4-Isopropyltoluene	ND	5.0									
Benzene	ND	5.0									
Bromobenzene	ND	5.0									
Bromodichloromethane	ND	5.0									
Bromoform	ND	5.0									
Bromomethane	ND	5.0									
Carbon tetrachloride	ND	5.0									

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits DO- Surrogate dilute out
J - Analyte detected below quantitation limits B - Analyte detected in the associated Method Blank H - Sample exceeded holding time
R - RPD outside accepted recovery limits Calculations are based on raw values



CLIENT: SCS Engineers
Work Order: 077300
Project: Long Beach City Tow Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

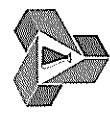
TestCode: 8260_WP

Sample ID: A062805MB4	SampType: MBLK	TestCode: 8260_WP	Units: µg/L	Prep Date:	Run ID: MS11_050628A						
Client ID: ZZZZZ	Batch ID: A05VW187	TestNo: EPA 8260B		Analysis Date: 6/28/2005	SeqNo: 758263						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorobenzene	ND	5.0									
Chloroethane	ND	5.0									
Chloroform	ND	5.0									
Chloromethane	ND	5.0									
cis-1,2-Dichloroethene	ND	5.0									
cis-1,3-Dichloropropene	ND	5.0									
Di-isopropyl ether	ND	5.0									
Dibromochloromethane	ND	5.0									
Dibromomethane	ND	5.0									
Dichlorodifluoromethane	ND	5.0									
Ethyl tert-butyl ether	ND	5.0									
Ethylbenzene	ND	5.0									
Hexachlorobutadiene	ND	5.0									
Isopropylbenzene	ND	5.0									
m,p-Xylene	ND	10									
Methylene chloride	ND	5.0									
MTBE	ND	5.0									
n-Butylbenzene	ND	5.0									
n-Propylbenzene	ND	5.0									
Naphthalene	ND	5.0									
o-Xylene	ND	5.0									
sec-Butylbenzene	ND	5.0									
Styrene	ND	5.0									
Tert-amyl methyl ether	ND	5.0									
Tert-Butanol	ND	100									
tert-Butylbenzene	ND	5.0									
Tetrachloroethene	ND	5.0									
Toluene	ND	5.0									
trans-1,2-Dichloroethene	ND	5.0									
Trichloroethene	ND	5.0									

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values

DO- Surrogate dilute out
H - Sample exceeded holding time



CLIENT: SCS Engineers
Work Order: 077300
Project: Long Beach City Tow Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: A062805MB4	SampType: MBLK	TestCode: 8260_WP	Units: µg/L	Prep Date:	Run ID: MS11_050628A						
Client ID: ZZZZZ	Batch ID: A05VW187	TestNo: EPA 8260B		Analysis Date: 6/28/2005	SeqNo: 758263						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Trichlorofluoromethane	ND	5.0									
Vinyl chloride	ND	5.0									
Surr: 1,2-Dichloroethane-d4	22.02	5.0	25	0	88.1	75	134	0	0		
Surr: 4-Bromofluorobenzene	24.42	5.0	25	0	97.7	70	136	0	0		
Surr: Dibromofluoromethane	23.26	5.0	25	0	93	79	129	0	0		
Surr: Toluene-d8	24.52	5.0	25	0	98.1	84	125	0	0		

Sample ID: A062805LC1	SampType: LCS	TestCode: 8260_WP	Units: µg/L	Prep Date:	Run ID: MS11_050628A						
Client ID: ZZZZZ	Batch ID: A05VW187	TestNo: EPA 8260B		Analysis Date: 6/28/2005	SeqNo: 758260						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,1-Dichloroethene	21.09	5.0	20	0	105	73	124	0	0		
Benzene	21.41	5.0	20	0	107	92	123	0	0		
Chlorobenzene	20.94	5.0	20	0	105	93	119	0	0		
MTBE	18.5	5.0	20	0	92.5	77	120	0	0		
Toluene	21.11	5.0	20	0	106	91	123	0	0		
Trichloroethene	22.41	5.0	20	0	112	87	126	0	0		
Surr: 1,2-Dichloroethane-d4	22.4	5.0	25	0	89.6	75	134	0	0		
Surr: 4-Bromofluorobenzene	22.74	5.0	25	0	91	70	136	0	0		
Surr: Dibromofluoromethane	23	5.0	25	0	92	79	129	0	0		
Surr: Toluene-d8	24.11	5.0	25	0	96.4	84	125	0	0		

Sample ID: A062805MB4MS	SampType: MS	TestCode: 8260_WP	Units: µg/L	Prep Date:	Run ID: MS11_050628A						
Client ID: ZZZZZ	Batch ID: A05VW187	TestNo: EPA 8260B		Analysis Date: 6/28/2005	SeqNo: 758261						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,1-Dichloroethene	19.81	5.0	20	0	99	74	121	0	0		
Benzene	21.51	5.0	20	0	108	91	125	0	0		
Chlorobenzene	20.52	5.0	20	0	103	91	119	0	0		
MTBE	18.64	5.0	20	0	93.2	79	119	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits DO- Surrogate dilute out
J - Analyte detected below quantitation limits B - Analyte detected in the associated Method Blank H - Sample exceeded holding time
R - RPD outside accepted recovery limits Calculations are based on raw values



CLIENT: SCS Engineers
Work Order: 077300
Project: Long Beach City Tow Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: A062805MB4MS	SampType: MS	TestCode: 8260_WP	Units: µg/L	Prep Date:				Run ID: MS11_050628A			
Client ID: ZZZZZ	Batch ID: A05VW187	TestNo: EPA 8260B	Analysis Date: 6/28/2005				SeqNo: 758261				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toluene	21.11	5.0	20	0	106	89	123	0	0		
Trichloroethene	22.17	5.0	20	0	111	86	126	0	0		
Surr: 1,2-Dichloroethane-d4	22.3	5.0	25	0	89.2	75	134	0	0		
Surr: 4-Bromofluorobenzene	22.12	5.0	25	0	88.5	70	136	0	0		
Surr: Dibromofluoromethane	22.97	5.0	25	0	91.9	79	129	0	0		
Surr: Toluene-d8	23.9	5.0	25	0	95.6	84	125	0	0		

Sample ID: A062805MB4MSD	SampType: MSD	TestCode: 8260_WP	Units: µg/L	Prep Date:	Run ID: MS11_050628A						
Client ID: ZZZZZ	Batch ID: A05VW187	TestNo: EPA 8260B		Analysis Date: 6/28/2005	SeqNo: 758262						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	19.92	5.0	20	0	99.6	74	121	19.81	0.554	30	
Benzene	21.26	5.0	20	0	106	91	125	21.51	1.17	30	
Chlorobenzene	21.54	5.0	20	0	108	91	119	20.52	4.85	30	
MTBE	19.05	5.0	20	0	95.2	79	119	18.64	2.18	30	
Toluene	21.02	5.0	20	0	105	89	123	21.11	0.427	30	
Trichloroethene	21.99	5.0	20	0	110	86	126	22.17	0.815	30	
Surr: 1,2-Dichloroethane-d4	21.75	5.0	25	0	87	75	134	0	0	30	
Surr: 4-Bromofluorobenzene	23.91	5.0	25	0	95.6	70	136	0	0	30	
Surr: Dibromofluoromethane	23.74	5.0	25	0	95	79	129	0	0	30	
Surr: Toluene-d8	24.2	5.0	25	0	96.8	84	125	0	0	30	

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits DO- Surrogate dilute out
J - Analyte detected below quantitation limits B - Analyte detected in the associated Method Blank H - Sample exceeded holding time
R - RPD outside accepted recovery limits Calculations are based on raw values

CHAIN OF CUSTODY RECORD

SCS ENGINEERS Environmental Consultants						TOTAL NUMBER OF SAMPLES: 15	ANALYSES REQUESTED										LAB USE ONLY						
3711 Long Beach Blvd., Ninth Floor Long Beach, California 90807-3315 Phone: (562) 426-9544 Fax: (562) 427-0805						PAGE 1 OF 2	8260 B + oxygenated TPH gas and diesel																
						TURNAROUND TIME REQUIRED:																	
						☒ 5-Day ☐ 3-Day ☐ Immediate ☐ Other																	
PROJECT NUMBER: 01204007.02						PROJECT MANAGER: Kevin Green																	
PROJECT NAME: Long Beach City Tow Yard						W.O. / S.O. #:																	
PROJECT LOCATION: 901 W. Anaheim St.																							
SAMPLER NAME AND SIGNATURE: Kevin Green																							
I.D. NUMBER	SAMPLE DESIGNATION	SAMPLE MATRIX	DATE/TIME COLLECTED	CONTAINER SIZE/TYPE	SAMPLE PRESERVATIVE	SPECIAL INSTRUCTIONS/COMMENTS																	
	SCS B7-5'	soil	6-21-05	VOA	5035		X	X															
	SCS B7-10'	"	"	"	"		X	X															
	SCS B7-GW	water			HCL		X	X															
	SCS B8-5'	soil			5035		X	X															
	SCS B8-10'	"			"		X	X															
	SCS B8-GW	water			HCL		X	X															
	SCS B9-5'	soil			5035		X	X															
	SCS B9-10'	"			"		X	X															
	SCS B9-GW	water			HCL		X	X															
	SCS B10-5'	soil			5035		X	X															
	SCS B10-10'	"			"		X	X															
	SCS B10-GW	water			HCL		X	X															
	SCS B11-5'	soil			5035		X	X															
	SCS B11-10'	"			"		X	X															
	SCS B11-GW	water			HCL		X	X															
NOTES: For 5035 preserved vials, analyze 8260 first. As needed, use acetate sleeves for diesel.							SAMPLE CONDITION UPON RECEIPT:																
RELINQUISHED BY: Kevin Green COMPANY: SCS		DATE: 6-22-05 TIME: 4:25		RECEIVED BY: BING ROWA COMPANY: ATL		DATE: 6/22/05 TIME: 4:25 pm		RELINQUISHED BY: BING ROWA COMPANY: ATL		DATE: 6/22/05 TIME: 4:53 pm		RECEIVED BY: [Signature] COMPANY: ATL		DATE: 06/22/05 TIME: 1700									

CHAIN OF CUSTODY RECORD

SCS ENGINEERS Environmental Consultants						TOTAL NUMBER OF SAMPLES: <u># 10</u>		ANALYSES REQUESTED										LAB USE ONLY			
3711 Long Beach Blvd., Ninth Floor Long Beach, California 90807-3315 Phone: (562) 426-9544 Fax: (562) 427-0805						PAGE <u>2</u> OF <u>2</u>		8260B + oxygenated TPH gas + diesel Archive													
						TURNAROUND TIME REQUIRED: <u>X</u> 5-Day ___ 3-Day ___ Immediate ___ Other															
PROJECT NUMBER: <u>01204007.02</u>						PROJECT MANAGER: <u>Kevin Green</u>															
PROJECT NAME: <u>Long Beach City Tow Yard</u>						W.O. / S.O. #:															
PROJECT LOCATION: <u>901 W. Anaheim St.</u>																					
SAMPLER NAME AND SIGNATURE: <u>Kevin Green / Kevin Green</u>																					
I.D. NUMBER	SAMPLE DESIGNATION	SAMPLE MATRIX	DATE/TIME COLLECTED	CONTAINER SIZE/TYPE	SAMPLE PRESERVATIVE	SPECIAL INSTRUCTIONS/COMMENTS															
	SCS B12-5'	soil	6-21-05	VOA	5035	X X															
	SCS B12-10'	"	}	}	"	X X															
	SCS B12-6W	water			HCl	X X															
	SCS B7-5	soil			Acetate	X															
	SCS B7-10	soil	}	}	"	X															
	SCS B8-5	"			"	X															
	SCS B8-10	"			"	X															
	SCS B9-5	"			"	X															
	SCS B9-10	"			"	X															
	SCS B10-5	"			"	X															
NOTES: For 5035 preserved vials, analyze 8260 first. As need, use acetate sleeves for diesel.						SAMPLE CONDITION UPON RECEIPT:															
RELINQUISHED BY: <u>Kevin Green</u>		DATE: <u>6/22/05</u>		RECEIVED BY: <u>BING ROURA</u>		DATE: <u>6/22/05</u>		RELINQUISHED BY: <u>BING ROURA</u>		DATE: <u>6/22/05</u>		RECEIVED BY: <u>[Signature]</u>		DATE: <u>06/22/05</u>							
COMPANY: <u>SCS</u>		TIME: <u>4:25</u>		COMPANY: <u>ATL</u>		TIME: <u>4:25 pm</u>		COMPANY: <u>ATL</u>		TIME: <u>4:55pm</u>		COMPANY: <u>ATL</u>		TIME: <u>1700</u>							

Arada, Mary Rachelle

From: Aguila, Carmen
Sent: Thursday, June 23, 2005 2:56 PM
To: Arada, Mary Rachelle
Subject: FW: Long Beach City Tow Yard Samples

-----Original Message-----

From: Kevin W. Green [mailto:kgreen@scsengineers.com]
Sent: Thursday, June 23, 2005 2:43 PM
To: Aguila, Carmen
Subject: Long Beach City Tow Yard Samples

Carmen,

For the LB City Tow Yard project (SCS Project No. 01204007.02), please analyze the soil and groundwater samples for TPG-gasoline only. The analysis for TPH-diesel is not necessary.

Thank you – Kevin



Kevin W. Green, PG, REA
SCS ENGINEERS
3900 Kilroy Airport Way, Suite 100
Long Beach, CA 90806-6816
Phone: (562) 426-9544
Fax: (562) 427-0805
www.scsengineers.com

6/23/2005

APPENDIX G

**AMERICAN ENVIRONMENTAL TESTING LABORATORY, INC.
ANALYTICAL REPORT**





American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street, Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

Ordered By

SCS Engineers
3900 Kilroy Airport Way Suite 100
Long Beach, CA 90806-6816

Number of Pages 7
Date Received 08/11/2005
Date Reported 08/17/2005

Telephone: (562) 426-9544
Attention: Kevin Green

Job Number	Order Date	Client
34326	08/11/2005	SCS

Project ID: 01204007.02
Project Name: Long Beach Public Service Yard
Site: Long Beach, CA

Enclosed please find results of analyses of 3 water samples which were analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By: *WZ*

Approved By: *C. Razmara*

Cyrus Razmara, Ph.D.
Laboratory Director

American Environmental Testing Laboratory Inc.

2834 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
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CHAIN OF CUSTODY RECORD

№ 31034

COMPANY SCS ENGINEERS		PHONE 562-426-9544		AETL JOB No. 39326		Page 1 of 1											
PROJECT MANAGER Kevin Green				ANALYSIS REQUESTED				TEST INSTRUCTIONS & COMMENTS									
PROJECT NAME Long Beach Public Service Yard				PROJECT # 0120400702													
SITE NAME AND ADDRESS Long Beach																	
SAMPLE ID		LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.	TPH-GAS		TPH-Diesel		BTEX		FUEL OXYGEN		MTBE	
Mw-3		34326.01	8/11/05	9:05	water	300AS/11Lamb	VOCs HC1	X		X		X		X			
Mw-2		34326.02	L	9:52	L	L	L	X		X		X		X			
Mw-1		34326.03	L	10:31	L	L	L	X		X		X		X			

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator



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ANALYTICAL RESULTS

Ordered By

Site

SCS Engineers
3900 Kilroy Airport Way
Suite 100
Long Beach, CA 90806-6816

Long Beach, CA

Telephone: (562)426-9544

Attn: Kevin Green

Page: 2

Project ID: 01204007.02

Project Name: Long Beach Public Service Yard

AETL Job Number	Submitted	Client
34326	08/11/2005	SCS

Method: 8260B, Volatile Organic Compounds (BTEX/OXYG) by GC/MS (SW846)

QC Batch No: 081305

Our Lab I.D.			Method Blank	34326.01	34326.02	34326.03
Client Sample I.D.				MW-3	MW-2	MW-1
Date Sampled				08/11/2005	08/11/2005	08/11/2005
Date Prepared			08/13/2005	08/13/2005	08/13/2005	08/13/2005
Preparation Method			5030B	5030B	5030B	5030B
Date Analyzed			08/13/2005	08/13/2005	08/13/2005	08/13/2005
Matrix			Aqueous	Aqueous	Aqueous	Aqueous
Units			ug/L	ug/L	ug/L	ug/L
Dilution Factor			1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results
Benzene	0.5	1.0	ND	ND	ND	ND
Ethylbenzene	0.5	1.0	ND	ND	ND	1.2
Toluene (Methyl benzene)	0.5	1.0	ND	ND	ND	ND
o-Xylene	0.5	1.0	ND	ND	ND	2.1
m,p-Xylenes	1.0	2.0	ND	ND	ND	2.7
tert-Butyl alcohol (TBA)	10	50	ND	38.8J	ND	ND
Diisopropyl ether (DIPE)	0.5	1.0	ND	ND	ND	ND
Ethyl alcohol (Ethanol)	500	1000	ND	ND	ND	ND
Ethyl-tert-butyl ether (ETBE)	0.5	1.0	ND	ND	ND	ND
Methyl-tert-butyl ether (MTBE)	0.5	1.0	ND	3.9	ND	ND
tert-Amyl methyl ether (TAME)	0.5	1.0	ND	ND	ND	ND
Our Lab I.D.				34326.01	34326.02	34326.03
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.
Bromofluorobenzene	75-125		107	110	111	106
Dibromofluoromethane	75-125		114	116	116	116
Toluene-d8	75-125		101	100	99	100



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ANALYTICAL RESULTS

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SCS Engineers
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Long Beach, CA 90806-6816

Site

Long Beach, CA

Telephone: (562)426-9544

Attn: Kevin Green

Page: 3

Project ID: 01204007.02

Project Name: Long Beach Public Service Yard

AETL Job Number	Submitted	Client
34326	08/11/2005	SCS

Method: M8015D, TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 081605

Our Lab I.D.			Method Blank	34326.01	34326.02	34326.03	
Client Sample I.D.				MW-3	MW-2	MW-1	
Date Sampled				08/11/2005	08/11/2005	08/11/2005	
Date Prepared			08/16/2005	08/16/2005	08/16/2005	08/16/2005	
Preparation Method			3510C	3510C	3510C	3510C	
Date Analyzed			08/18/2005	08/18/2005	08/18/2005	08/18/2005	
Matrix			Aqueous	Aqueous	Aqueous	Aqueous	
Units			mg/L	mg/L	mg/L	mg/L	
Dilution Factor			1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	
TPH as Diesel (C13-C22)	0.1	0.5	ND	ND	ND	ND	
TPH as Heavy Hydrocarbons (C23-C40)	0.1	0.5	ND	ND	ND	ND	
TPH Total as Diesel and Heavy HC.C13-C40	0.1	0.5	ND	ND	ND	ND	
Our Lab I.D.				34326.01	34326.02	34326.03	
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	
Chlorobenzene	75-125		92	77	79	92	



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ANALYTICAL RESULTS

Ordered By

Site

SCS Engineers
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Long Beach, CA 90806-6816

Long Beach, CA

Telephone: (562)426-9544

Attn: Kevin Green

Page: 4

Project ID: 01204007.02

Project Name: Long Beach Public Service Yard

AETL Job Number	Submitted	Client
34326	08/11/2005	SCS

Method: M8015G, TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 081505

Our Lab I.D.			Method Blank	34326.01	34326.02	34326.03	
Client Sample I.D.				MW-3	MW-2	MW-1	
Date Sampled				08/11/2005	08/11/2005	08/11/2005	
Date Prepared			08/15/2005	08/15/2005	08/15/2005	08/15/2005	
Preparation Method			5030B	5030B	5030B	5030B	
Date Analyzed			08/15/2005	08/15/2005	08/15/2005	08/15/2005	
Matrix			Aqueous	Aqueous	Aqueous	Aqueous	
Units			mg/L	mg/L	mg/L	mg/L	
Dilution Factor			1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	
TPH as Gasoline and Light HC. (C4-C12)	0.005	0.010	ND	0.024	ND	0.189	
Our Lab I.D.				34326.01	34326.02	34326.03	
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	
Bromofluorobenzene	75-125		104	104	104	104	



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ANALYTICAL RESULTS

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Site

Long Beach, CA

Telephone: (562)426-9544

Attn: Kevin Green

Page: 5

Project ID: 01204007.02

Project Name: Long Beach Public Service Yard

AETL Job Number	Submitted	Client
34326	08/11/2005	SCS

Method: 8260B, Volatile Organic Compounds (BTEX/OXYG) by GC/MS (SW846)

QUALITY CONTROL REPORT

QC Batch No: 081305 Sample Spiked: 081305 QC Prepared: 08/13/2005 QC Analyzed: 08/13/2005 Units: ug/L

Analytes	Sample Result	MS Concn	MS Recov	MS % REC	MS DUP Concn	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Benzene	0.0	50.00	50.00	100	50.00	51.00	102	2.0	75-125	<20
Toluene (Methyl benzene)	0.0	50.00	43.00	86	50.00	45.50	91	5.6	75-125	<20
Methyl-tert-butyl ether (MTBE)	0.0	50.00	58.00	116	50.00	56.00	112	3.5	75-125	<20
Chlorobenzene	0.0	50.00	44.50	89	50.00	46.50	93	4.4	75-125	<20
1,1-Dichloroethene	0.0	50.00	52.00	104	50.00	54.00	108	3.8	75-125	<20
Trichloroethene	0.0	50.00	45.00	90	50.00	48.00	96	6.5	75-125	<20

QC Batch No: 081305 Sample Spiked: 081305 QC Prepared: 08/13/2005 QC Analyzed: 08/13/2005 Units: ug/L

Analytes	LCS Concn	LCS Recov	LCS % REC	LCS/LCSD % Limit						
Benzene	50.00	49.00	98	75-125						
Toluene (Methyl benzene)	50.00	41.50	83	75-125						
Methyl-tert-butyl ether (MTBE)	50.00	57.00	114	75-125						
Chlorobenzene	50.00	43.00	86	75-125						
1,1-Dichloroethene	50.00	50.00	100	75-125						
Trichloroethene	50.00	44.00	88	75-125						
LCS										
Chloroform (Trichloromethane)	50.00	58.50	117	75-125						
Ethylbenzene	50.00	41.50	83	75-125						
1,1,1-Trichloroethane	50.00	47.00	94	75-125						
o-Xylene	50.00	45.00	90	75-125						
m,p-Xylenes	100.00	83.00	83	75-125						



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ANALYTICAL RESULTS

Ordered By

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Site

Long Beach, CA

Telephone: (562)426-9544

Attn: Kevin Green

Page: 6

Project ID: 01204007.02

Project Name: Long Beach Public Service Yard

AETL Job Number	Submitted	Client
34326	08/11/2005	SCS

Method: M8015D, TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QUALITY CONTROL REPORT

QC Batch No: 081605 Sample Spiked: 081605 QC Prepared: 08/16/2005 QC Analyzed: 08/19/2005 Units: mg/L

Analytes	Sample Result	MS Concn	MS Recov	MS % REC	MS DUP Concn	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
TPH as Diesel (C13-C22)	0.0	5.00	3.75 X	75	5.00	3.75 X	75	<1	75-125	<20



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ANALYTICAL RESULTS

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Long Beach, CA

Telephone: (562)426-9544

Attn: Kevin Green

Page: 7

Project ID: 01204007.02

Project Name: Long Beach Public Service Yard

AETL Job Number	Submitted	Client
34326	08/11/2005	SCS

Method: M8015G, TPH as Gasoline and Light Hydrocarbons Using GC/FID

QUALITY CONTROL REPORT

QC Batch No: 081505 Sample Spiked: 081505 QC Prepared: 08/15/2005 QC Analyzed: 08/15/2005 Units: mg/L

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
TPH as Gasoline and Light HC. (C4-C12)	0.0	0.50	0.48	96	0.50	0.52	104	8.0	75-125	<20

QC Batch No: 081505 Sample Spiked: 081505 QC Prepared: 08/15/2005 QC Analyzed: 08/15/2005 Units: mg/L

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit						
TPH as Gasoline and Light HC. (C4-C12)	0.50	0.52	104	75-125						



American Environmental Testing Laboratory Inc.

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Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

Data Qualifiers and Descriptors

Data Qualifier:

*:	In the QC section, sample results have been taken directly from the ICP reading. No preparation factor has been applied.
B:	Analyte was present in the Method Blank.
D:	Result is from a diluted analysis.
E:	Result is beyond calibration limits and is estimated.
H:	Analysis was performed over the allowed holding time due to circumstances which were beyond laboratory control.
J:	Analyte was detected . However, the analyte concentration is an estimated value, which is between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).
M:	Matrix spike recovery is outside control limits due to matrix interference. Laboratory Control Sample recovery was acceptable.
S6:	Surrogate recovery is outside control limits due to matrix interference.
S8:	The analysis of the sample required a dilution such that the surrogate concentration was diluted below the method acceptance criteria.
X:	Results represent LCS and LCSD data.

Definition:

%Limi:	Percent acceptable limits.
%REC:	Percent recovery.
Con.L:	Acceptable Control Limits
Conce:	Added concentration to the sample.
LCS:	Laboratory Control Sample
MDL:	Method Detection Limit is a statistically derived number which is specific for each instrument, each method, and each compound. It indicates a distinctively detectable quantity with 99% probability.
MS:	Matrix Spike
MS DU:	Matrix Spike Duplicate



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Data Qualifiers and Descriptors

ND:	Analyte was not detected in the sample at or above MDL.	-
PQL:	Practical Quantitation Limit or ML (Minimum Level as per RWQCB) is the minimum concentration that can be quantified with more than 99% confidence. Taking into account all aspects of the entire analytical instrumentation and practice.	
Recov:	Recovered concentration in the sample.	
RPD:	Relative Percent Difference	

SCS ENGINEERS

April 17, 2006
Job No. 01204007.03

Mr. Gregg Kwey
Senior Water Resource Control Engineer
Regional Water Quality Control Board
320 West 4th Street, Suite 200
Los Angeles, CA 90013
(213) 576-6702

SUBJECT: FIRST QUARTER 2006 GROUNDWATER MONITORING, 901 WEST ANAHEIM, LONG BEACH, CALIFORNIA

Dear Mr. Kwey:

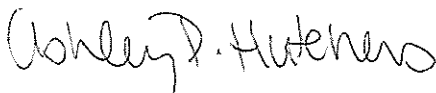
This letter provides results of the First Quarter 2006 Groundwater Monitoring for the above referenced site. Attached you will find the following:

- Figures 1 and 2 – Site location Map and Groundwater Elevation Map
- Tables 1 and 2 – Summaries of Groundwater Elevation Data and Analytical Results
- Appendix A – Analytical Laboratory Report
- Appendix B – Groundwater Sampling Records

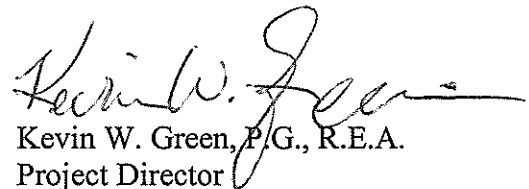
As shown in the attachments, groundwater monitoring results are similar to previous events. Quarterly monitoring will continue with the next event scheduled for June 2006.

Should you have any questions or comments regarding this report, please feel free to contact Ashley Hutchens or Kevin Green at (562) 426-9544.

Sincerely,



Ashley P. Hutchens
Staff Scientist
SCS ENGINEERS



Kevin W. Green, P.G., R.E.A.
Project Director

Enclosures – As stated above

Cc: Mr. John Cutler - Overland, Pacific & Cutler, Inc.

FIGURES

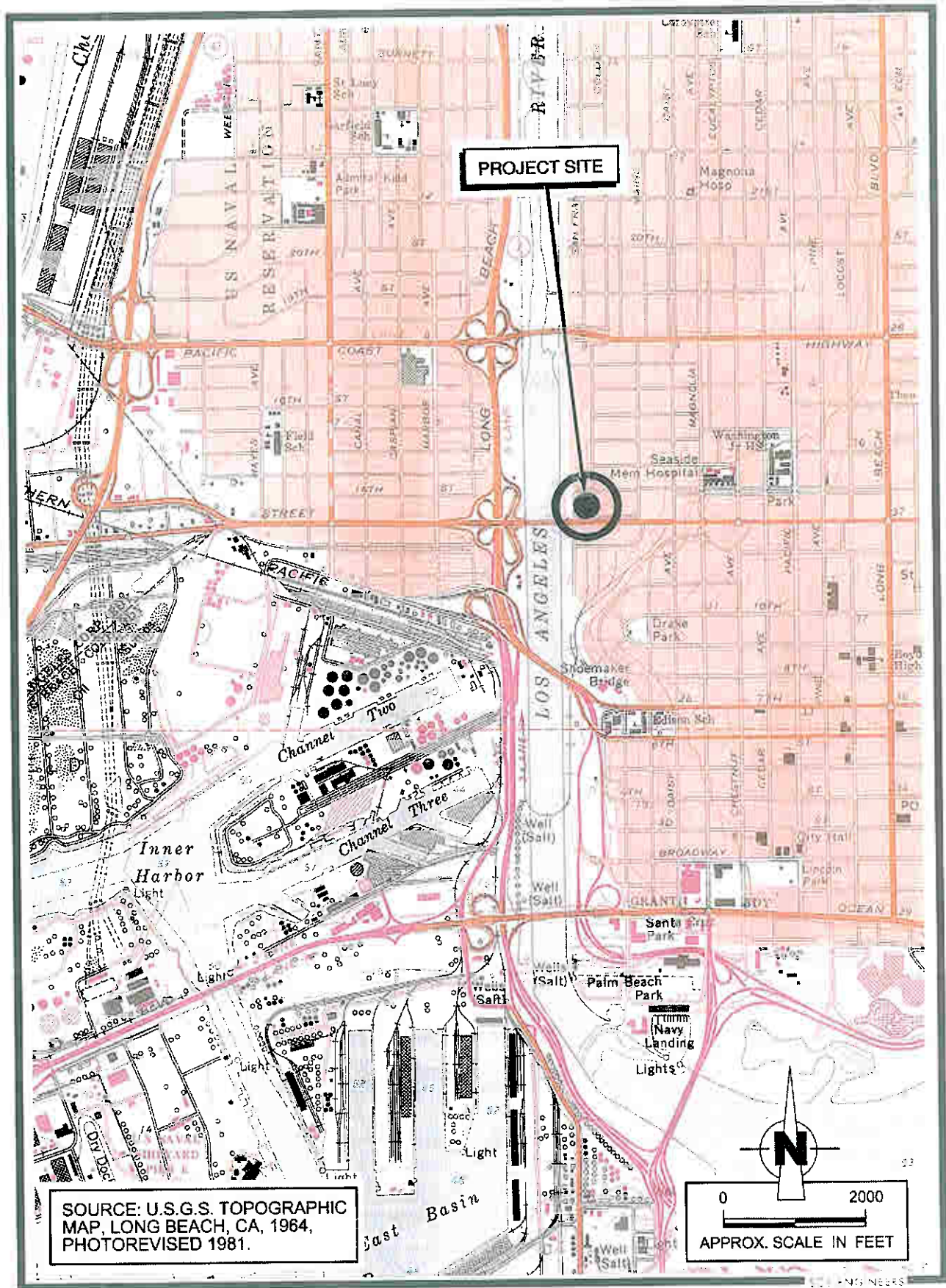


Figure 1. Project Site Location, Former Long Beach City Tow Yard, 901 W. Anaheim, Long Beach, CA

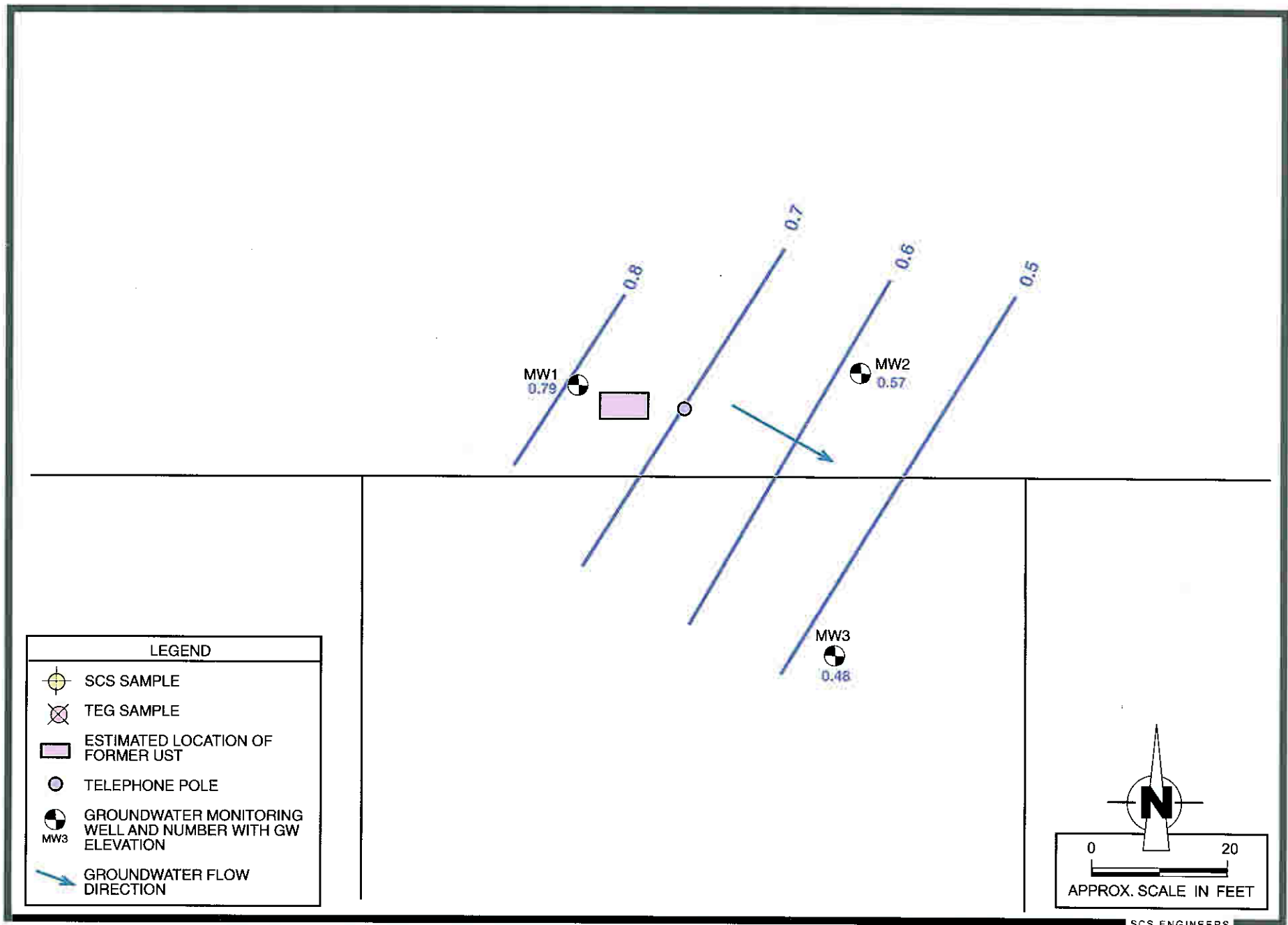


Figure 2. Groundwater Elevation Map, March 24, 2006, Former Long Beach City Tow Yard, 901 W. Anaheim, Long Beach, CA.

TABLES

TABLE 1
SUMMARY OF GROUNDWATER ELEVATION DATA
LONG BEACH CITY TOW YARD
901 W. ANAHEIM STREET, LONG BEACH, CALIFORNIA

Well No. (Casing Diameter)	Reference Point Elevation* (Ft. above MSL)	Measured Casing Depth (Ft. Below RP)	Perforated Interval (bgs)	Date	Depth to Water (Ft. below RP)	Groundwater Elevation (Ft. Above MSL)
MW-1 (4 in.)	6.79	20	5-20	8/11/2005	5.99	0.80
				3/24/2006	6.00	0.79
MW-2 (4 in.)	6.74	20	5-20	8/11/2005	6.23	0.51
				3/24/2006	6.17	0.57
MW-3 (4 in.)	7.55	20	5-20	8/11/2005	7.12	0.43
				3/24/2006	7.07	0.48

* = Casing reference point elevation.

RP = Reference Point on Well Casing

MSL = Mean Sea Level.

BGS = Below Ground Surface.

N/A = Not Available. Well dry or obstruction prevented sounding.

No Access = Access to this well was not available.

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS ORGANICS
LONG BEACH CITY TOW YARD
901 W ANAHEIM, LONG BEACH, CALIFORNIA

Well ID	Sample Date	Gasoline Range Organics (EPA Method 8015BM)	VOLATILE ORGANIC COMPOUNDS (VOCs) (EPA Method 8260B)												
			Benzene	Toluene	Ethylbenzene	Xylenes	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Isopropylbenzene	n-Propylbenzene	Naphthalene	sec-Butylbenzene	Methyl-tert-butyl ether (MTBE)	Diisopropyl Ether	tert-Butyl alcohol (TBA)
		Milligrams per Liter (mg/L)	Micrograms per Liter (µg/L)												
MW1	8/11/05	0.189	<0.5	<0.5	1.2	4.8	--	--	--	--	--	--	<0.5	<0.5	<0.5
	3/24/06	0.171	0.9 J	1.4	12.9	5.3	7.2	<0.5	3.9	6.1	<0.5	0.6 J	<0.5	<0.5	<10
MW2	8/11/05	<0.005	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	<0.5	<0.5	<0.5
	3/24/06	0.158	0.8 J	2.2	0.6 J	3.5	<0.5	<0.5	4.3	2.3	<0.5	0.5 J	<0.5	<0.5	<10
MW3	8/11/05	0.024	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	3.9	<0.5	38.8 J
	3/24/06	0.402	15.8	2.3	18.0	5.8	2.2	0.6 J	8.2	9.4	3.3	1.3	2.8	0.9 J	<10
MCL or NL		--	1	150	300	1,750	--	--	--	--	17	--	13	--	12

Notes:

1) -- = Not Applicable or Not Analyzed

2) < = Less than reporting limit

3) J = Analyte was detected. However, the analyte concentration is an estimated value, which is between the Method

4) MCL = Maximum Contaminant Level; NL = Notification Level (formerly referred to as action level). Reference - California Department of Health Services.

APPENDIX A



American Environmental Testing Laboratory Inc.

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Ordered By

SCS Engineers
3900 Kilroy Airport Way Suite 100
Long Beach, CA 90806-6816

Number of Pages 7
Date Received 03/27/2006
Date Reported 04/10/2006

Telephone: (562) 426-9544
Attention: Kevin Green

Job Number	Order Date	Client
36730	03/27/2006	SCS

Project ID: 01204007.03
Project Name: Long Beach City Tow Yard
Site: Long Beach, CA

Enclosed please find results of analyses of 3 water samples which were analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By: *CC*

Approved By: *C. Razmara*

Cyrus Razmara, Ph.D.
Laboratory Director



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CHAIN OF CUSTODY RECORD

36730

Nº 40920

COMPANY SCS ENGINEERS		PROJECT MANAGER Kevin Green		AETL JOB No.		Page <u>1</u> of <u>1</u>				
COMPANY ADDRESS 3900 Kilroy Airport RD 100		PHONE 562-426-9544 FAX		ANALYSIS REQUESTED		TEST INSTRUCTIONS & COMMENTS				
PROJECT NAME Long Beach City Tow Yard		PROJECT # 01204007.03								
SITE NAME AND ADDRESS Long Beach		PO #		8015 PH-6 8015 PH-6 + 001						
SAMPLE ID	LAB ID	DATE	TIME					MATRIX	CONTAINER NUMBER/SIZE	PRES.
1 MW-2	36730.01	3/24/06	11:48					Water	3 50g	Hcl
2 MW-3	36730.02	↓	12:10					↓	↓	↓
3 MW-1	36730.03	↓	12:43					↓	↓	↓
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										

SAMPLE RECEIPT - TO BE FILLED BY LABORATORY				RELINQUISHED BY: 1.		RELINQUISHED BY: 2.		RELINQUISHED BY: 3.	
TOTAL NUMBER OF CONTAINERS		PROPERLY COOLED Y / N / NA		Signature:		Signature:		Signature:	
CUSTODY SEALS Y / N / NA		SAMPLES INTACT Y / N / NA		Printed Name:		Printed Name:		Printed Name:	
RECEIVED IN GOOD COND. Y / N		SAMPLES ACCEPTED Y / N		Date: 3/27/06 Time: 1040		Date: Time:		Date: Time:	
TURN AROUND TIME				RECEIVED BY: 1.		RECEIVED BY: 2.		RECEIVED BY: 3.	
☒ NORMAL ☐ RUSH ☐ SAME DAY ☐ 48 HRS. ☐ 24 HRS. ☐ 72 HRS.				Signature:		Signature:		Signature:	
				Printed Name: Argisla		Printed Name:		Printed Name:	
				Date: 3/27/06 Time: 1040		Date: Time:		Date: 3/27/06 Time: 1320	



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ANALYTICAL RESULTS

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Site

SCS Engineers
3900 Kilroy Airport Way
Suite 100
Long Beach, CA 90806-6816

Long Beach, CA

Telephone: (562)426-9544

Attn: Kevin Green

Page: 2

Project ID: 01204007.03

Project Name: Long Beach City Tow Yard

AETL Job Number	Submitted	Client
36730	03/27/2006	SCS

Method: 8260B, Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 040106

Our Lab I.D.			Method Blank	36730.01	36730.02	36730.03	
Client Sample I.D.				MW-2	MW-3	MW-1	
Date Sampled				03/24/2006	03/24/2006	03/24/2006	
Date Prepared			04/01/2006	04/01/2006	04/01/2006	04/01/2006	
Preparation Method			5030B	5030B	5030B	5030B	
Date Analyzed			04/01/2006	04/01/2006	04/01/2006	04/01/2006	
Matrix			Aqueous	Aqueous	Aqueous	Aqueous	
Units			ug/L	ug/L	ug/L	ug/L	
Dilution Factor			1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	
Acetone	10	10	ND	ND	ND	ND	
Benzene	0.5	1.0	ND	0.8J	15.8	0.9J	
Bromobenzene (Phenyl bromide)	0.5	1.0	ND	ND	ND	ND	
Bromochloromethane	0.5	1.0	ND	ND	ND	ND	
Bromodichloromethane	0.5	1.0	ND	ND	ND	ND	
Bromoform (Tribromomethane)	2.5	5.0	ND	ND	ND	ND	
Bromomethane (Methyl bromide)	1.5	3.0	ND	ND	ND	ND	
2-Butanone (MEK)	5.0	5.0	ND	ND	ND	ND	
n-Butylbenzene	0.5	1.0	ND	ND	ND	ND	
sec-Butylbenzene	0.5	1.0	ND	0.5J	1.3	0.6J	
tert-Butylbenzene	0.5	1.0	ND	ND	ND	ND	
Carbon Disulfide	0.5	1.0	ND	ND	ND	ND	
Carbon tetrachloride	0.5	1.0	ND	ND	ND	ND	
Chlorobenzene	0.5	1.0	ND	ND	ND	ND	
Chloroethane	1.5	3.0	ND	ND	ND	ND	
2-Chloroethyl vinyl ether	2.5	5.0	ND	ND	ND	ND	
Chloroform (Trichloromethane)	0.5	1.0	ND	ND	ND	ND	
Chloromethane (Methyl chloride)	1.5	3.0	ND	ND	ND	ND	
2-Chlorotoluene	0.5	1.0	ND	ND	ND	ND	
4-Chlorotoluene	0.5	1.0	ND	ND	ND	ND	
1,2-Dibromo-3-chloropropane (DBCP)	2.5	5.0	ND	ND	ND	ND	
Dibromochloromethane	0.5	1.0	ND	ND	ND	ND	
1,2-Dibromoethane (EDB)	0.5	1.0	ND	ND	ND	ND	
Dibromomethane	0.5	1.0	ND	ND	ND	ND	
1,2-Dichlorobenzene	0.5	1.0	ND	ND	ND	ND	
1,3-Dichlorobenzene	0.5	1.0	ND	ND	ND	ND	
1,4-Dichlorobenzene	0.5	1.0	ND	ND	ND	ND	
Dichlorodifluoromethane	1.5	3.0	ND	ND	ND	ND	
1,1-Dichloroethane	0.5	1.0	ND	ND	ND	ND	



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ANALYTICAL RESULTS

Page: 3

Project ID: 01204007.03
Project Name: Long Beach City Tow Yard

AETL Job Number	Submitted	Client
36730	03/27/2006	SCS

Method: 8260B, Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 040106

Our Lab I.D.			Method Blank	36730.01	36730.02	36730.03	
Client Sample I.D.				MW-2	MW-3	MW-1	
Date Sampled				03/24/2006	03/24/2006	03/24/2006	
Date Prepared			04/01/2006	04/01/2006	04/01/2006	04/01/2006	
Preparation Method			5030B	5030B	5030B	5030B	
Date Analyzed			04/01/2006	04/01/2006	04/01/2006	04/01/2006	
Matrix			Aqueous	Aqueous	Aqueous	Aqueous	
Units			ug/L	ug/L	ug/L	ug/L	
Dilution Factor			1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	
1,2-Dichloroethane (EDC)	0.5	1.0	ND	ND	ND	ND	
1,1-Dichloroethene	0.5	1.0	ND	ND	ND	ND	
cis-1,2-Dichloroethene	0.5	1.0	ND	ND	ND	ND	
trans-1,2-Dichloroethene	0.5	1.0	ND	ND	ND	ND	
1,2-Dichloropropane	0.5	1.0	ND	ND	ND	ND	
1,3-Dichloropropane	0.5	1.0	ND	ND	ND	ND	
2,2-Dichloropropane	0.5	1.0	ND	ND	ND	ND	
1,1-Dichloropropene	0.5	1.0	ND	ND	ND	ND	
cis-1,3-Dichloropropene	0.5	1.0	ND	ND	ND	ND	
trans-1,3-Dichloropropene	0.5	1.0	ND	ND	ND	ND	
Ethylbenzene	0.5	1.0	ND	0.6J	18.0	12.9	
Hexachlorobutadiene	1.5	3.0	ND	ND	ND	ND	
2-Hexanone	2.5	5.0	ND	ND	ND	ND	
Isopropylbenzene	0.5	1.0	ND	4.3	8.2	3.9	
p-Isopropyltoluene	0.5	1.0	ND	ND	ND	ND	
4-Methyl-2-pentanone (MIBK)	2.5	5.0	ND	ND	ND	ND	
Methylene chloride (DCM)	2.0	4.0	ND	ND	ND	ND	
Naphthalene	0.5	1.0	ND	ND	3.3	ND	
n-Propylbenzene	0.5	1.0	ND	2.3	9.4	6.1	
Styrene	0.5	1.0	ND	ND	ND	ND	
1,1,1,2-Tetrachloroethane	0.5	1.0	ND	ND	ND	ND	
1,1,2,2-Tetrachloroethane	0.5	1.0	ND	ND	ND	ND	
Tetrachloroethene	0.5	1.0	ND	ND	ND	ND	
Toluene (Methyl benzene)	0.5	1.0	ND	2.2	2.3	1.4	
1,2,3-Trichlorobenzene	0.5	1.0	ND	ND	ND	ND	
1,2,4-Trichlorobenzene	0.5	1.0	ND	ND	ND	ND	
1,1,1-Trichloroethane	0.5	1.0	ND	ND	ND	ND	
1,1,2-Trichloroethane	0.5	1.0	ND	ND	ND	ND	
Trichloroethene	0.5	1.0	ND	ND	ND	ND	
Trichlorofluoromethane	0.5	1.0	ND	ND	ND	ND	
1,2,3-Trichloropropane	0.5	1.0	ND	ND	ND	ND	
1,2,4-Trimethylbenzene	0.5	1.0	ND	ND	2.2	7.2	
1,3,5-Trimethylbenzene	0.5	1.0	ND	ND	0.6J	ND	
Vinyl Acetate	0.5	5.0	ND	ND	ND	ND	
Vinyl chloride (Chloroethene)	0.5	3.0	ND	ND	ND	ND	
o-Xylene	0.5	1.0	ND	0.8J	0.7J	0.6J	



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ANALYTICAL RESULTS

Page: 4

Project ID: 01204007.03
Project Name: Long Beach City Tow Yard

AETL Job Number	Submitted	Client
36730	03/27/2006	SCS

Method: 8260B, Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 040106

Our Lab I.D.			Method Blank	36730.01	36730.02	36730.03
Client Sample I.D.				MW-2	MW-3	MW-1
Date Sampled				03/24/2006	03/24/2006	03/24/2006
Date Prepared			04/01/2006	04/01/2006	04/01/2006	04/01/2006
Preparation Method			5030B	5030B	5030B	5030B
Date Analyzed			04/01/2006	04/01/2006	04/01/2006	04/01/2006
Matrix			Aqueous	Aqueous	Aqueous	Aqueous
Units			ug/L	ug/L	ug/L	ug/L
Dilution Factor			1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results
m,p-Xylenes	1.0	2.0	ND	1.4J	5.1	4.7
tert-Butyl alcohol (TBA)	10	50	ND	ND	ND	ND
Diisopropyl ether (DIPE)	0.5	1.0	ND	ND	0.9J	ND
Ethyl alcohol (Ethanol)	500	1000	ND	ND	ND	ND
Ethyl-tert-butyl ether (ETBE)	0.5	1.0	ND	ND	ND	ND
Methyl-tert-butyl ether (MTBE)	0.5	1.0	ND	ND	2.8	ND
tert-Amyl methyl ether (TAME)	0.5	1.0	ND	ND	ND	ND
Our Lab I.D.			Method Blank	36730.01	36730.02	36730.03
Surrogates	%Rec. Limit		% Rec.	% Rec.	% Rec.	% Rec.
Bromofluorobenzene	75-125		101	98	91	96
Dibromofluoromethane	75-125		97	96	98	95
Toluene-d8	75-125		95	94	94	95



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ANALYTICAL RESULTS

Ordered By

SCS Engineers
3900 Kilroy Airport Way
Suite 100
Long Beach, CA 90806-6816

Site

Long Beach, CA

Telephone: (562)426-9544

Attn: Kevin Green

Page: 5

Project ID: 01204007.03

Project Name: Long Beach City Tow Yard

AETL Job Number	Submitted	Client
36730	03/27/2006	SCS

Method: M8015G, TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 032706

Our Lab I.D.		Method Blank	36730.01	36730.02	36730.03	
Client Sample I.D.			MW-2	MW-3	MW-1	
Date Sampled			03/24/2006	03/24/2006	03/24/2006	
Date Prepared		03/27/2006	03/27/2006	03/27/2006	03/27/2006	
Preparation Method		5030B	5030B	5030B	5030B	
Date Analyzed		03/27/2006	03/27/2006	03/27/2006	03/27/2006	
Matrix		Aqueous	Aqueous	Aqueous	Aqueous	
Units		mg/L	mg/L	mg/L	mg/L	
Dilution Factor		1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results
TPH as Gasoline and Light HC. (C4-C12)	0.005	0.010	ND	0.158	0.402	0.171

Our Lab I.D.			36730.01	36730.02	36730.03	
Surrogates	%Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	
Bromofluorobenzene	75-125	92	109	118	111	



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SCS Engineers
3900 Kilroy Airport Way
Suite 100
Long Beach, CA 90806-6816

Site

Long Beach, CA

Telephone: (562)426-9544

Attn: Kevin Green

Page: 6

Project ID: 01204007.03

Project Name: Long Beach City Tow Yard

AETL Job Number	Submitted	Client
36730	03/27/2006	SCS

Method: 8260B, Volatile Organic Compounds by GC/MS (SW846)

QUALITY CONTROL REPORT

QC Batch No: 040106 Sample Spiked: 040106 QC Prepared: 04/01/2006 QC Analyzed: 04/01/2006 Units: ug/L

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Benzene	0.0	50.00	50.00	100	50.00	51.00	102	2.0	75-125	<20
Chlorobenzene	0.0	50.00	46.00	92	50.00	47.00	94	2.2	75-125	<20
1,1-Dichloroethene	0.0	50.00	46.50	93	50.00	49.00	98	5.2	75-125	<20
Toluene (Methyl benzene)	0.0	50.00	44.00	88	50.00	44.00	88	<1	75-125	<20
Trichloroethene	0.0	50.00	56.00	112	50.00	53.00	106	5.5	75-125	<20
Methyl-tert-butyl ether (MTBE)	0.0	50.00	48.00	96	50.00	51.00	102	6.1	75-125	<20

QC Batch No: 040106 Sample Spiked: 040106 QC Prepared: 04/01/2006 QC Analyzed: 04/01/2006 Units: ug/L

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit						
Benzene	50.00	49.00	98	75-125						
Chlorobenzene	50.00	45.50	91	75-125						
1,1-Dichloroethene	50.00	44.00	88	75-125						
Toluene (Methyl benzene)	50.00	43.50	87	75-125						
Trichloroethene	50.00	52.00	104	75-125						
Methyl-tert-butyl ether (MTBE)	50.00	48.00	96	75-125						
LCS										4
Chloroform (Trichloromethane)	50.00	48.00	96	75-125						
Ethylbenzene	50.00	42.00	84	75-125						
1,1,1-Trichloroethane	50.00	42.50	85	75-125						
o-Xylene	50.00	45.50	91	75-125						
m,p-Xylenes	100.00	88.00	88	75-125						



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ANALYTICAL RESULTS

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Long Beach, CA 90806-6816

Site

Long Beach, CA

Telephone: (562)426-9544

Attn: Kevin Green

Page: 7

Project ID: 01204007.03

Project Name: Long Beach City Tow Yard

AETL Job Number	Submitted	Client
36730	03/27/2006	SCS

Method: M8015G, TPH as Gasoline and Light Hydrocarbons Using GC/FID

QUALITY CONTROL REPORT

QC Batch No: 032706 Sample Spiked: 032706 QC Prepared: 03/27/2006 QC Analyzed: 03/27/2006 Units: mg/L

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
TPH as Gasoline and Light HC. (C4-C12)	0.0	0.50	0.60	120	0.50	0.53	106	12.4	75-125	<20

QC Batch No: 032706 Sample Spiked: 032706 QC Prepared: 03/27/2006 QC Analyzed: 03/27/2006 Units: mg/L

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit						
TPH as Gasoline and Light HC. (C4-C12)	0.50	0.55	110	75-125						



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Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

Data Qualifiers and Descriptors

Data Qualifier:

∗:	In the QC section, sample results have been taken directly from the ICP reading. No preparation factor has been applied.
B:	Analyte was present in the Method Blank.
D:	Result is from a diluted analysis.
E:	Result is beyond calibration limits and is estimated.
H:	Analysis was performed over the allowed holding time due to circumstances which were beyond laboratory control.
J:	Analyte was detected . However, the analyte concentration is an estimated value, which is between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).
M:	Matrix spike recovery is outside control limits due to matrix interference. Laboratory Control Sample recovery was acceptable.
S6:	Surrogate recovery is outside control limits due to matrix interference.
S8:	The analysis of the sample required a dilution such that the surrogate concentration was diluted below the method acceptance criteria.
X:	Results represent LCS and LCSD data.

Definition:

%Limi:	Percent acceptable limits.
%REC:	Percent recovery.
Con.L:	Acceptable Control Limits
Conce:	Added concentration to the sample.
LCS:	Laboratory Control Sample
MDL:	Method Detection Limit is a statistically derived number which is specific for each instrument, each method, and each compound. It indicates a distinctively detectable quantity with 99% probability.
MS:	Matrix Spike
MS DU:	Matrix Spike Duplicate



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Data Qualifiers and Descriptors

ND:	Analyte was not detected in the sample at or above MDL.
PQL:	Practical Quantitation Limit or ML (Minimum Level as per RWQCB) is the minimum concentration that can be quantified with more than 99% confidence. Taking into account all aspects of the entire analytical instrumentation and practice.
Recov:	Recovered concentration in the sample.
RPD:	Relative Percent Difference

APPENDIX B

GROUNDWATER SAMPLING RECORD

Well ID: MW-1 Station #: _____ Project # 01204007.03

Facility Name: Long Beach City Tow Yard Date: 3/24/06

Well Depth: 20' Depth to Water: 6.00 Well Diameter: 4"

Casing Material: pvc Volume Of Water per Well Volume: _____

Sampling Crew: L. Weaver

Equipment: QED MicroPurge Tubing Material: polyethylene Pump set at 14 ft.

Weather Conditions: Sunny 70°

NOTES: clear water with odor.

TIME	<u>12:02</u>	<u>12:06</u>	<u>12:10</u>		
Volume Pumped	<u>1L</u>	<u>2L</u>	<u>3L</u>		
Water Level					
Temp. (°C)	<u>22.9</u>	<u>22.6</u>	<u>23.3</u>		
Pumping Rate	<u>250 ml/min</u>	<u>"</u>	<u>"</u>		
DO (mg/l)					
EC (µS/cm)	<u>11.3</u>	<u>11.1</u>	<u>11.0</u>		
PH	<u>6.70</u>	<u>6.59</u>	<u>6.55</u>		
ORP (mV)					
Turbidity (NTU)	<u>0</u>	<u>0</u>	<u>0</u>		

Parameters taken with: Hanba Other Parameters: _____

Sampled at: 12:10 (time) Sample collection method: QED

Sample delivered to AETR by LW at _____

Sample #'s: _____ Other #'s: _____

Parameters Collected; Number of Bottles; Bottle Lot Number:

826005 + oxygenates

8015 TPH-G

GROUNDWATER SAMPLING RECORD

Well ID: MW-2 Station #: _____ Project # 01204007.03

Facility Name: Long Beach City Tow Yard Date: 3/24/06

Well Depth: 20' Depth to Water: 6.17 Well Diameter: 4"

Casing Material: PVC Volume Of Water per Well Volume: -

Sampling Crew: L. Weaver

Equipment: QED MicroPurge Tubing Material: Polyethylene Pump set at 14 ft.

Weather Conditions: clear 70°

NOTES: clear water w/ odor.

TIME	<u>11:40</u>	<u>11:44</u>	<u>11:48</u>		
Volume Pumped	<u>1L</u>	<u>2L</u>	<u>3L</u>		
Water Level					
Temp. (°C)	<u>22.9</u>	<u>22.6</u>	<u>22.9</u>		
Pumping Rate	<u>250 ml/min</u>	<u>"</u>	<u>"</u>		
DO (mg/l)					
EC (µS/cm)	<u>12.6</u>	<u>12.2</u>	<u>11.9</u>		
PH	<u>6.60</u>	<u>6.61</u>	<u>6.57</u>		
ORP (mV)					
Turbidity (NTU)	<u>0</u>	<u>0</u>	<u>0</u>		

Parameters taken with: Horiba Other Parameters: _____

Sampled at: 11:48 (time) Sample collection method: QED

Sample delivered to AETL by LW at _____

Sample #'s: _____ Other #'s: _____

Parameters Collected; Number of Bottles; Bottle Lot Number:

82606 + oxygenates
8015 TPH-G

GROUNDWATER SAMPLING RECORD

Well ID: MW-3 Station #: _____ Project # 01204007.03

Facility Name: Long Beach City Tow Yard Date: 3/24/06

Well Depth: 20' Depth to Water: 7.07 Well Diameter: 4"

Casing Material: PVC Volume Of Water per Well Volume: _____

Sampling Crew: L Weaver

Equipment: QED MicroPurge Tubing Material: polyethylene Pump set at 14' ft.

Weather Conditions: Sunny 70°

NOTES: Clear water with an odor

TIME	<u>12:35</u>	<u>12:39</u>	<u>12:43</u>		
Volume Pumped	<u>1L</u>	<u>2L</u>	<u>3L</u>		
Water Level					
Temp. (°C)	<u>22.8</u>	<u>22.6</u>	<u>22.7</u>		
Pumping Rate	<u>250 ml/min</u>	<u>"</u>	<u>"</u>		
DO (mg/l)					
EC (µS/cm)	<u>4.11</u>	<u>4.16</u>	<u>4.11</u>		
PH	<u>6.68</u>	<u>6.56</u>	<u>6.47</u>		
ORP (mV)					
Turbidity (NTU)	<u>0</u>	<u>0</u>	<u>0</u>		

Parameters taken with: Hanna Other Parameters: _____

Sampled at: 12:43 (time) Sample collection method: QED

Sample delivered to WEL by LW at _____

Sample #'s: _____ Other #'s: _____

Parameters Collected; Number of Bottles; Bottle Lot Number:

82606 + oxygenates

8015 TPHT-G

SCS ENGINEERS

July 18, 2006
Job No. 01204007.03

Mr. Gregg Kwey
Senior Water Resource Control Engineer
Regional Water Quality Control Board
320 West 4th Street, Suite 200
Los Angeles, CA 90013
(213) 576-6702

SUBJECT: SECOND QUARTER 2006 GROUNDWATER MONITORING, 901 WEST ANAHEIM, LONG BEACH, CALIFORNIA

Dear Mr. Kwey:

This letter provides results of the Second Quarter 2006 Groundwater Monitoring for the above referenced site. Attached you will find the following:

- Figures 1 and 2 – Site location Map and Groundwater Elevation Map
- Tables 1 and 2 – Summaries of Groundwater Elevation Data and Analytical Results
- Appendix A – Analytical Laboratory Report
- Appendix B – Groundwater Sampling Records

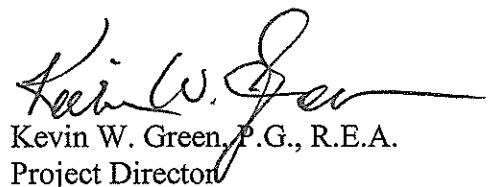
As shown in the attachments, groundwater monitoring results are similar to previous events. Quarterly monitoring will continue with the next event scheduled for September 2006.

Should you have any questions or comments regarding this report, please feel free to contact Ashley Hutchens or Kevin Green at (562) 426-9544.

Sincerely,



Ashley P. Hutchens
Project Scientist
SCS ENGINEERS



Kevin W. Green, P.G., R.E.A.
Project Director

Enclosures – As stated above

Cc: Mr. John Cutler - Overland, Pacific & Cutler, Inc.

FIGURES

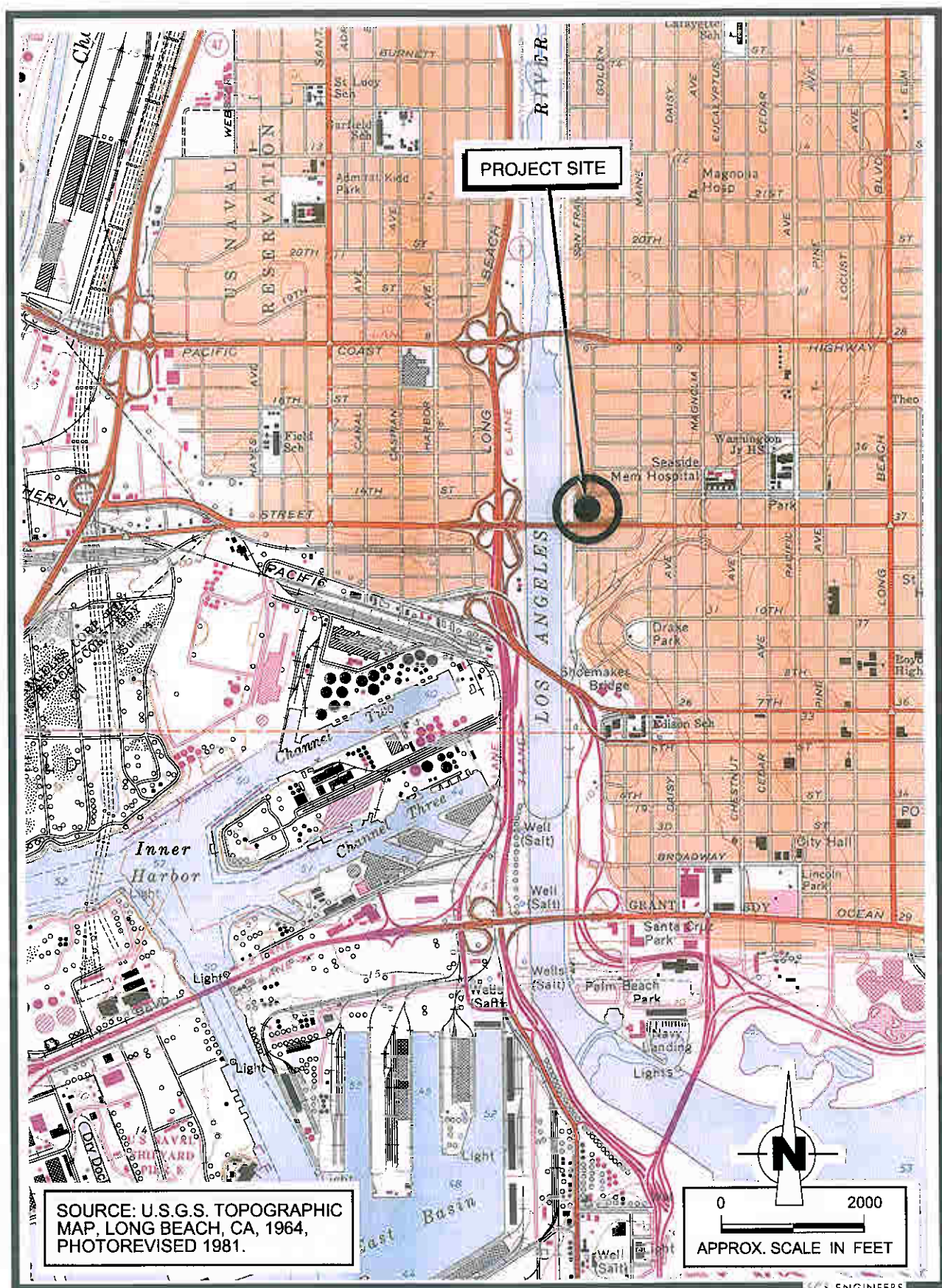


Figure 1. Project Site Location.

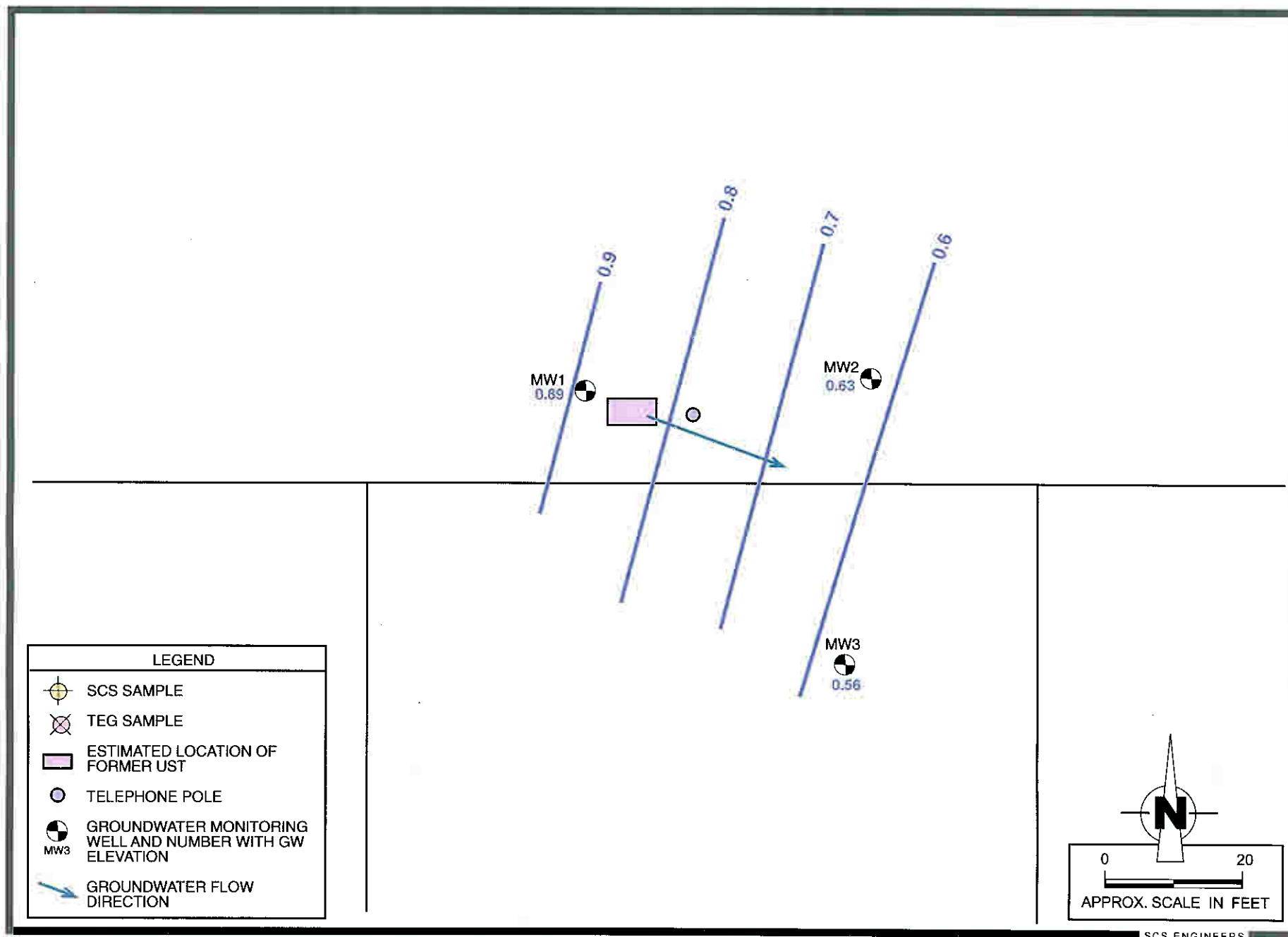


Figure 2. Groundwater Elevation Map, June 20, 2006, Former Long Beach City Tow Yard, 901 W. Anaheim, Long Beach, CA.

TABLES

TABLE 1
SUMMARY OF GROUNDWATER ELEVATION DATA
LONG BEACH CITY TOW YARD
901 W. ANAHEIM STREET, LONG BEACH, CALIFORNIA

Well No. (Casing Diameter)	Reference Point Elevation* (Ft. above MSL)	Measured Casing Depth (Ft. Below RP)	Perforated Interval (bgs)	Date	Depth to Water (Ft. below RP)	Groundwater Elevation (Ft. Above MSL)
MW-1 (4 in.)	6.79	20	5-20	8/11/2005	5.99	0.80
				3/24/2006	6.00	0.79
				6/20/2006	5.90	0.89
MW-2 (4 in.)	6.74	20	5-20	8/11/2005	6.23	0.51
				3/24/2006	6.17	0.57
				6/20/2006	6.11	0.63
MW-3 (4 in.)	7.55	20	5-20	8/11/2005	7.12	0.43
				3/24/2006	7.07	0.48
				6/20/2006	6.99	0.56

* = Casing reference point elevation.

RP = Reference Point on Well Casing

MSL = Mean Sea Level.

BGS = Below Ground Surface.

N/A = Not Available. Well dry or obstruction prevented sounding.

No Access = Access to this well was not available.

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS ORGANICS
LONG BEACH CITY TOW YARD
901 W ANAHEIM, LONG BEACH, CALIFORNIA

Well ID	Sample Date	Gasoline Range Organics (EPA Method 8015BM)	VOLATILE ORGANIC COMPOUNDS (VOCs) (EPA Method 8260B)													
			Benzene	Toluene	Ethylbenzene	Xylenes	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Isopropylbenzene	n-Propylbenzene	p-Isopropyltoluene *	Naphthalene	sec-Butylbenzene	Methyl-tert-butyl ether (MTBE)	Diisopropyl Ether	tert-Butyl alcohol (TBA)
		Milligrams per Liter (mg/L)	Micrograms per Liter (µg/L)													
MW1	8/11/05	0.189	<0.5	<0.5	1.2	4.8	--	--	--	--	--	--	--	<0.5	<0.5	<0.5
	3/24/06	0.171	0.9 J	1.4	12.9	5.3	7.2	<0.5	3.9	6.1	<0.5	<0.5	0.6 J	<0.5	<0.5	<10
	6/20/06	1.840	<0.5	<0.5	1.3	<1.5	<0.5	<0.5	2.3	2.2	<0.5	<0.5	<0.5	<0.5	<0.5	<10
MW2	8/11/05	<0.005	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	--	--	<0.5	<0.5	<0.5
	3/24/06	0.158	0.8 J	2.2	0.6 J	3.5	<0.5	<0.5	4.3	2.3	<0.5	<0.5	0.5 J	<0.5	<0.5	<10
	6/20/06	0.036	<0.5	<0.5	<0.5	<1.5	<0.5	<0.5	1.0	0.7 J	<0.5	<0.5	<0.5	<0.5	<0.5	<10
MW3	8/11/05	0.024	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	--	--	3.9	<0.5	38.8 J
	3/24/06	0.402	15.8	2.3	18.0	5.8	2.2	0.6 J	8.2	9.4	<0.5	3.3	1.3	2.8	0.9 J	<10
	6/20/06	1.840	45.8	2.8	50.8	9.4	10.8	4.7	26.4	53.7	0.6 J	23.5	5.7	1.3	<0.5	<10
MCL or NL		--	1	150	300	1,750	--	--	--	--	--	17	--	13	--	12

Notes:

1) -- = Not Applicable or Not Analyzed

2) < = Less than reporting limit

3) J = Analyte was detected. However, the analyte concentration is an estimated value, which is between the Method

4) MCL = Maximum Contaminant Level; NL = Notification Level (formerly referred to as action level). Reference - California Department of Health Services.

APPENDIX A
AETL LABORATORY REPORT



American Environmental Testing Laboratory Inc.

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Ordered By

SCS Engineers
3900 Kilroy Airport Way Suite 100
Long Beach, CA 90806-6816

Number of Pages 7
Date Received 06/20/2006
Date Reported 06/30/2006

Telephone: (562) 426-9544
Attention: Kevin Green

Job Number	Order Date	Client
37911	06/20/2006	SCS

Project ID: 01204007.03
Project Name: Long Beach City Tow Yard
Site: Long Beach, CA

Enclosed please find results of analyses of 3 water samples which were analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By: _____

Approved By: _____

Cyrus Razmara, Ph.D.
Laboratory Director



American Environmental Testing Laboratory Inc.

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ANALYTICAL RESULTS

Ordered By

SCS Engineers
3900 Kilroy Airport Way
Suite 100
Long Beach, CA 90806-6816

Telephone: (562)426-9544

Attn: Kevin Green

Site

Long Beach, CA

Page: 2

Project ID: 01204007.03

Project Name: Long Beach City Tow Yard

AETL Job Number	Submitted	Client
37911	06/20/2006	SCS

Method: 8260B, Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 062206

Our Lab I.D.			Method Blank	37911.01	37911.02	37911.03	
Client Sample I.D.				MW-3	MW-1	MW-2	
Date Sampled				06/20/2006	06/20/2006	06/20/2006	
Date Prepared			06/22/2006	06/22/2006	06/22/2006	06/22/2006	
Preparation Method			5030B	5030B	5030B	5030B	
Date Analyzed			06/22/2006	06/22/2006	06/22/2006	06/22/2006	
Matrix			Aqueous	Aqueous	Aqueous	Aqueous	
Units			ug/L	ug/L	ug/L	ug/L	
Dilution Factor			1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	
Acetone	10	10	ND	ND	ND	ND	
Benzene	0.5	1.0	ND	45.8	ND	ND	
Bromobenzene (Phenyl bromide)	0.5	1.0	ND	ND	ND	ND	
Bromochloromethane	0.5	1.0	ND	ND	ND	ND	
Bromodichloromethane	0.5	1.0	ND	ND	ND	ND	
Bromoform (Tribromomethane)	2.5	5.0	ND	ND	ND	ND	
Bromomethane (Methyl bromide)	1.5	3.0	ND	ND	ND	ND	
2-Butanone (MEK)	5.0	5.0	ND	ND	ND	ND	
n-Butylbenzene	0.5	1.0	ND	ND	ND	ND	
sec-Butylbenzene	0.5	1.0	ND	5.7	ND	ND	
tert-Butylbenzene	0.5	1.0	ND	ND	ND	ND	
Carbon Disulfide	0.5	1.0	ND	ND	ND	ND	
Carbon tetrachloride	0.5	1.0	ND	ND	ND	ND	
Chlorobenzene	0.5	1.0	ND	ND	ND	ND	
Chloroethane	1.5	3.0	ND	ND	ND	ND	
2-Chloroethyl vinyl ether	2.5	5.0	ND	ND	ND	ND	
Chloroform (Trichloromethane)	0.5	1.0	ND	ND	ND	ND	
Chloromethane (Methyl chloride)	1.5	3.0	ND	ND	ND	ND	
2-Chlorotoluene	0.5	1.0	ND	ND	ND	ND	
4-Chlorotoluene	0.5	1.0	ND	ND	ND	ND	
1,2-Dibromo-3-chloropropane (DBCP)	2.5	5.0	ND	ND	ND	ND	
Dibromochloromethane	0.5	1.0	ND	ND	ND	ND	
1,2-Dibromoethane (EDB)	0.5	1.0	ND	ND	ND	ND	
Dibromomethane	0.5	1.0	ND	ND	ND	ND	
1,2-Dichlorobenzene	0.5	1.0	ND	ND	ND	ND	
1,3-Dichlorobenzene	0.5	1.0	ND	ND	ND	ND	
1,4-Dichlorobenzene	0.5	1.0	ND	ND	ND	ND	
Dichlorodifluoromethane	1.5	3.0	ND	ND	ND	ND	



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ANALYTICAL RESULTS

Page: 3

Project ID: 01204007.03
Project Name: Long Beach City Tow Yard

AETL Job Number	Submitted	Client
37911	06/20/2006	SCS

Method: 8260B, Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 062206

Our Lab I.D.			Method Blank	37911.01	37911.02	37911.03	
Client Sample I.D.				MW-3	MW-1	MW-2	
Date Sampled				06/20/2006	06/20/2006	06/20/2006	
Date Prepared			06/22/2006	06/22/2006	06/22/2006	06/22/2006	
Preparation Method			5030B	5030B	5030B	5030B	
Date Analyzed			06/22/2006	06/22/2006	06/22/2006	06/22/2006	
Matrix			Aqueous	Aqueous	Aqueous	Aqueous	
Units			ug/L	ug/L	ug/L	ug/L	
Dilution Factor			1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	
1,1-Dichloroethane	0.5	1.0	ND	ND	ND	ND	
1,2-Dichloroethane (EDC)	0.5	1.0	ND	ND	ND	ND	
1,1-Dichloroethene	0.5	1.0	ND	ND	ND	ND	
cis-1,2-Dichloroethene	0.5	1.0	ND	ND	ND	ND	
trans-1,2-Dichloroethene	0.5	1.0	ND	ND	ND	ND	
1,2-Dichloropropane	0.5	1.0	ND	ND	ND	ND	
1,3-Dichloropropane	0.5	1.0	ND	ND	ND	ND	
2,2-Dichloropropane	0.5	1.0	ND	ND	ND	ND	
1,1-Dichloropropene	0.5	1.0	ND	ND	ND	ND	
cis-1,3-Dichloropropene	0.5	1.0	ND	ND	ND	ND	
trans-1,3-Dichloropropene	0.5	1.0	ND	ND	ND	ND	
Ethylbenzene	0.5	1.0	ND	50.8	1.3	ND	
Hexachlorobutadiene	1.5	3.0	ND	ND	ND	ND	
2-Hexanone	2.5	5.0	ND	ND	ND	ND	
Isopropylbenzene	0.5	1.0	ND	26.4	2.3	1.0	
p-Isopropyltoluene	0.5	1.0	ND	0.6J	ND	ND	
4-Methyl-2-pentanone (MIBK)	2.5	5.0	ND	ND	ND	ND	
Methylene chloride (DCM)	2.0	4.0	ND	ND	ND	ND	
Naphthalene	0.5	1.0	ND	23.5	ND	ND	
n-Propylbenzene	0.5	1.0	ND	53.7	2.2	0.7J	
Styrene	0.5	1.0	ND	ND	ND	ND	
1,1,1,2-Tetrachloroethane	0.5	1.0	ND	ND	ND	ND	
1,1,2,2-Tetrachloroethane	0.5	1.0	ND	ND	ND	ND	
Tetrachloroethene	0.5	1.0	ND	ND	ND	ND	
Toluene (Methyl benzene)	0.5	1.0	ND	2.8	ND	ND	
1,2,3-Trichlorobenzene	0.5	1.0	ND	ND	ND	ND	
1,2,4-Trichlorobenzene	0.5	1.0	ND	ND	ND	ND	
1,1,1-Trichloroethane	0.5	1.0	ND	ND	ND	ND	
1,1,2-Trichloroethane	0.5	1.0	ND	ND	ND	ND	
Trichloroethene	0.5	1.0	ND	ND	ND	ND	
Trichlorofluoromethane	0.5	1.0	ND	ND	ND	ND	
1,2,3-Trichloropropane	0.5	1.0	ND	ND	ND	ND	
1,2,4-Trimethylbenzene	0.5	1.0	ND	10.8	ND	ND	
1,3,5-Trimethylbenzene	0.5	1.0	ND	4.7	ND	ND	
Vinyl Acetate	0.5	5.0	ND	ND	ND	ND	
Vinyl chloride (Chloroethene)	0.5	3.0	ND	ND	ND	ND	



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ANALYTICAL RESULTS

Page: 4

Project ID: 01204007.03
Project Name: Long Beach City Tow Yard

AETL Job Number	Submitted	Client
37911	06/20/2006	SCS

Method: 8260B, Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 062206

Our Lab I.D.			Method Blank	37911.01	37911.02	37911.03	
Client Sample I.D.				MW-3	MW-1	MW-2	
Date Sampled				06/20/2006	06/20/2006	06/20/2006	
Date Prepared			06/22/2006	06/22/2006	06/22/2006	06/22/2006	
Preparation Method			5030B	5030B	5030B	5030B	
Date Analyzed			06/22/2006	06/22/2006	06/22/2006	06/22/2006	
Matrix			Aqueous	Aqueous	Aqueous	Aqueous	
Units			ug/L	ug/L	ug/L	ug/L	
Dilution Factor			1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	
o-Xylene	0.5	1.0	ND	ND	ND	ND	
m,p-Xylenes	1.0	2.0	ND	9.4	ND	ND	
tert-Butyl alcohol (TBA)	10	50	ND	ND	ND	ND	
Diisopropyl ether (DIPE)	0.5	1.0	ND	ND	ND	ND	
Ethyl alcohol (Ethanol)	500	1000	ND	ND	ND	ND	
Ethyl-tert-butyl ether (ETBE)	0.5	1.0	ND	ND	ND	ND	
Methyl-tert-butyl ether (MTBE)	0.5	1.0	ND	1.3	ND	ND	
tert-Amyl methyl ether (TAME)	0.5	1.0	ND	ND	ND	ND	
Our Lab I.D.			Method Blank	37911.01	37911.02	37911.03	
Surrogates	%Rec. Limit		% Rec.	% Rec.	% Rec.	% Rec.	
Bromofluorobenzene	75-125		106	94	111	112	
Dibromofluoromethane	75-125		106	100	103	99	
Toluene-d8	75-125		108	101	104	108	



American Environmental Testing Laboratory Inc.

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ANALYTICAL RESULTS

Ordered By

SCS Engineers
3900 Kilroy Airport Way
Suite 100
Long Beach, CA 90806-6816

Site

Long Beach, CA

Telephone: (562)426-9544

Attn: Kevin Green

Page: 5

Project ID: 01204007.03

Project Name: Long Beach City Tow Yard

AETL Job Number	Submitted	Client
37911	06/20/2006	SCS

Method: M8015G, TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 062206

Our Lab I.D.			Method Blank	37911.01	37911.02	37911.03	
Client Sample I.D.				MW-3	MW-1	MW-2	
Date Sampled				06/20/2006	06/20/2006	06/20/2006	
Date Prepared			06/22/2006	06/22/2006	06/22/2006	06/22/2006	
Preparation Method			5030B	5030B	5030B	5030B	
Date Analyzed			06/22/2006	06/22/2006	06/22/2006	06/22/2006	
Matrix			Aqueous	Aqueous	Aqueous	Aqueous	
Units			mg/L	mg/L	mg/L	mg/L	
Dilution Factor			1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	
TPH as Gasoline and Light HC. (C4-C12)	0.005	0.010	ND	1.84	0.174	0.036	
Our Lab I.D.			Method Blank	37911.01	37911.02	37911.03	
Surrogates	%Rec. Limit		% Rec.	% Rec.	% Rec.	% Rec.	
Bromofluorobenzene	75-125		104	> 125 S6	112	109	



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ANALYTICAL RESULTS

Ordered By

SCS Engineers
3900 Kilroy Airport Way
Suite 100
Long Beach, CA 90806-6816

Site

Long Beach, CA

Telephone: (562)426-9544

Attn: Kevin Green

Page: 6

Project ID: 01204007.03

Project Name: Long Beach City Tow Yard

AETL Job Number	Submitted	Client
37911	06/20/2006	SCS

Method: 8260B, Volatile Organic Compounds by GC/MS (SW846)

QUALITY CONTROL REPORT

QC Batch No: 062206 Sample Spiked: 062206 QC Prepared: 06/22/2006 QC Analyzed: 06/22/2006

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Benzene	0.0	50.00	53.50	107	50.00	56.50	113	5.5	75-125	<20
Chlorobenzene	0.0	50.00	52.00	104	50.00	53.00	106	1.9	75-125	<20
1,1-Dichloroethene	0.0	50.00	53.50	107	50.00	55.00	110	2.8	75-125	<20
Toluene (Methyl benzene)	0.0	50.00	50.50	101	50.00	52.00	104	2.9	75-125	<20
Trichloroethene	0.0	50.00	54.50	109	50.00	54.50	109	<1	75-125	<20
Methyl-tert-butyl ether (MTBE)	0.0	50.00	56.00	112	50.00	55.50	111	<1	75-125	<20

QC Batch No: 062206 Sample Spiked: 062206 QC Prepared: 06/22/2006 QC Analyzed: 06/22/2006

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit						
Benzene	50.00	55.50	111	75-125						
Chlorobenzene	50.00	55.50	111	75-125						
1,1-Dichloroethene	50.00	56.00	112	75-125						
Toluene (Methyl benzene)	50.00	52.50	105	75-125						
Trichloroethene	50.00	56.50	113	75-125						
Methyl-tert-butyl ether (MTBE)	50.00	55.00	110	75-125						
LCS										
Chloroform (Trichloromethane)	50.00	56.00	112	75-125						
Ethylbenzene	50.00	54.50	109	75-125						
1,1,1-Trichloroethane	50.00	55.50	111	75-125						
o-Xylene	50.00	54.00	108	75-125						
m,p-Xylenes	100.00	110.00	110	75-125						



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ANALYTICAL RESULTS

Ordered By

SCS Engineers
3900 Kilroy Airport Way
Suite 100
Long Beach, CA 90806-6816

Telephone: (562)426-9544

Attn: Kevin Green

Site

Long Beach, CA

Page: 7

Project ID: 01204007.03

Project Name: Long Beach City Tow Yard

AETL Job Number	Submitted	Client
37911	06/20/2006	SCS

Method: M8015G, TPH as Gasoline and Light Hydrocarbons Using GC/FID

QUALITY CONTROL REPORT

QC Batch No: 062206 Sample Spiked: 062206 QC Prepared: 06/22/2006 QC Analyzed: 06/22/2006

Analytes	Sample Result	MS Concn	MS Recov	MS % REC	MS DUP Concn	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
TPH as Gasoline and Light HC. (C4-C12)	0.0	0.50	0.59	118	0.50	0.58	116	1.7	75-125	<20

QC Batch No: 062206 Sample Spiked: 062206 QC Prepared: 06/22/2006 QC Analyzed: 06/22/2006

Analytes	LCS Concn	LCS Recov	LCS % REC	LCS/LCSD % Limit						
TPH as Gasoline and Light HC. (C4-C12)	0.50	0.55	110	75-125						

APPENDIX B
GROUNDWATER SAMPLING RECORDS

GROUNDWATER SAMPLING RECORD

Well ID: MW-1 Station #: _____ Project # 01204007.03

Facility Name: Long Beach City Tow yard Date: 6/20/06

Well Depth: 20 Depth to Water: 5.90 Well Diameter: 2"

Casing Material: PVC Volume Of Water per Well Volume: -

Sampling Crew: L. Weaver

Equipment: OED MicroPurge Tubing Material: Polyethylene Pump set at 14 ft.

Weather Conditions: Sunny 87°

NOTES: clear water w/odor

TIME	<u>10:47</u>	<u>10:51</u>	<u>10:55</u>		
Volume Pumped	<u>1L</u>	<u>2L</u>	<u>3L</u>		
Water Level					
Temp. (°C)	<u>24.5</u>	<u>23.7</u>	<u>23.5</u>		
Pumping Rate	<u>250ml/min</u>	<u>"</u>	<u>"</u>		
DO (mg/l)					
EC (µS/cm)	<u>123</u>	<u>13.3</u>	<u>13.2</u>		
PH	<u>6.65</u>	<u>6.63</u>	<u>6.64</u>		
ORP (mV)					
Turbidity (NTU)	<u>1</u>	<u>0</u>	<u>1</u>		

Parameters taken with: Horiba Other Parameters: _____

Sampled at: 10:55 (time) Sample collection method: OED

Sample delivered to AETC by Lu at _____

Sample #'s: _____ Other #'s: _____

Parameters Collected; Number of Bottles; Bottle Lot Number:

8260 TD+49m/CS
8015 TPH-6

GROUNDWATER SAMPLING RECORD

Well ID: MW-2 Station #: _____ Project # 01204007.03

Facility Name: Long Beach City Tow yard Date: 6/20/06

Well Depth: 20 Depth to Water: 6.11 Well Diameter: 2"

Casing Material: PVC Volume Of Water per Well Volume: _____

Sampling Crew: L. Weaver

Equipment: QED Micropro Tubing Material: polyethylene Pump set at 14 ft.

Weather Conditions: Sunny 87°

NOTES: clear water w/odor

TIME	<u>11:15</u>	<u>11:19</u>	<u>11:23</u>		
Volume Pumped	<u>1L</u>	<u>2L</u>	<u>3L</u>		
Water Level					
Temp. (°C)	<u>24.3</u>	<u>24.3</u>	<u>24.0</u>		
Pumping Rate	<u>250 ml/min</u>	<u>"</u>	<u>"</u>		
DO (mg/l)					
EC (µS/cm)	<u>13.2</u>	<u>13.4</u>	<u>13.3</u>		
PH	<u>6.60</u>	<u>6.60</u>	<u>6.61</u>		
ORP (mV)					
Turbidity (NTU)	<u>2</u>	<u>1</u>	<u>0</u>		

Parameters taken with: Horiba Other Parameters: _____

Sampled at: 11:23 (time) Sample collection method: QED

Sample delivered to AETL by L. Weaver at _____

Sample #'s: _____ Other #'s: _____

Parameters Collected; Number of Bottles; Bottle Lot Number:

8260 TOXIGENTS
8015 pH-G

GROUNDWATER SAMPLING RECORD

Well ID: MW-3 Station #: _____ Project # 01204007.03

Facility Name: Long Beach City Tow Yard Date: 6/20/06

Well Depth: 80 Depth to Water: 6.99 Well Diameter: 2"

Casing Material: pvc Volume Of Water per Well Volume: -

Sampling Crew: L. Weaver

Equipment: QED MicroPurge Tubing Material: polyethylene Pump set at 14 ft.

Weather Conditions: Sunny 87°

NOTES: clear water w/ odor.

TIME	<u>10:14</u>	<u>10:18</u>	<u>10:22</u>		
Volume Pumped	<u>1L</u>	<u>2L</u>	<u>3L</u>		
Water Level					
Temp. (°C)	<u>23.2</u>	<u>23.0</u>	<u>23.5</u>		
Pumping Rate	<u>250ml/min</u>	<u>"</u>	<u>"</u>		
DO (mg/l)					
EC (µS/cm)	<u>3.71</u>	<u>3.43</u>	<u>3.07</u>		
PH	<u>6.36</u>	<u>6.50</u>	<u>6.47</u>		
ORP (mV)					
Turbidity (NTU)	<u>3</u>	<u>4</u>	<u>3</u>		

Parameters taken with: Horiba Other Parameters: _____

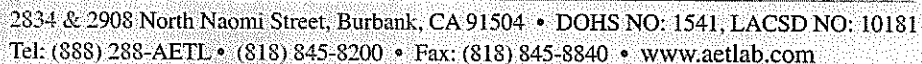
Sampled at: 10:22 (time) Sample collection method: QED

Sample delivered to NETC by L. Weaver at _____

Sample #'s: _____ Other #'s: _____

Parameters Collected; Number of Bottles; Bottle Lot Number:

82619 TOXICATES
8015 TPH-6



No. 2265

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SCS ENGINEERS

October 16, 2006
Job No. 01204007.03

Mr. Gregg Kwey
Senior Water Resource Control Engineer
Regional Water Quality Control Board
320 West 4th Street, Suite 200
Los Angeles, CA 90013
(213) 576-6702

SUBJECT: THIRD QUARTER 2006 GROUNDWATER MONITORING, 901 WEST ANAHEIM, LONG BEACH, CALIFORNIA

Dear Mr. Kwey:

This letter provides results of the Third Quarter 2006 Groundwater Monitoring for the above referenced site. Attached you will find the following:

- Figures 1 and 2 – Site location Map and Groundwater Elevation Map
- Tables 1 and 2 – Summaries of Groundwater Elevation Data and Analytical Results
- Appendix A – Analytical Laboratory Report
- Appendix B – Groundwater Sampling Records

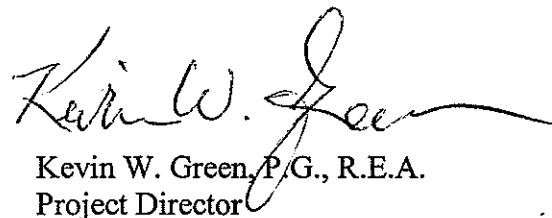
As shown in the attachments, groundwater monitoring results are similar to previous events. Four quarters of samples have been collected; the groundwater impacts are low and limited in extent. Further sampling is not warranted or scheduled for the site. The information obtained over the previous four quarters justifies closure for the subject site.

Should you have any questions or comments regarding this report, please feel free to contact Ashley Hutchens or Kevin Green at (562) 426-9544.

Sincerely,



Ashley P. Hutchens
Project Scientist
SCS ENGINEERS



Kevin W. Green, P.G., R.E.A.
Project Director

Enclosures – As stated above

Cc: Mr. John Cutler - Overland, Pacific & Cutler, Inc.

FIGURES





Figure 1. Project Site Location, Former Long Beach City Tow Yard, 901 W. Anaheim, Long Beach, CA

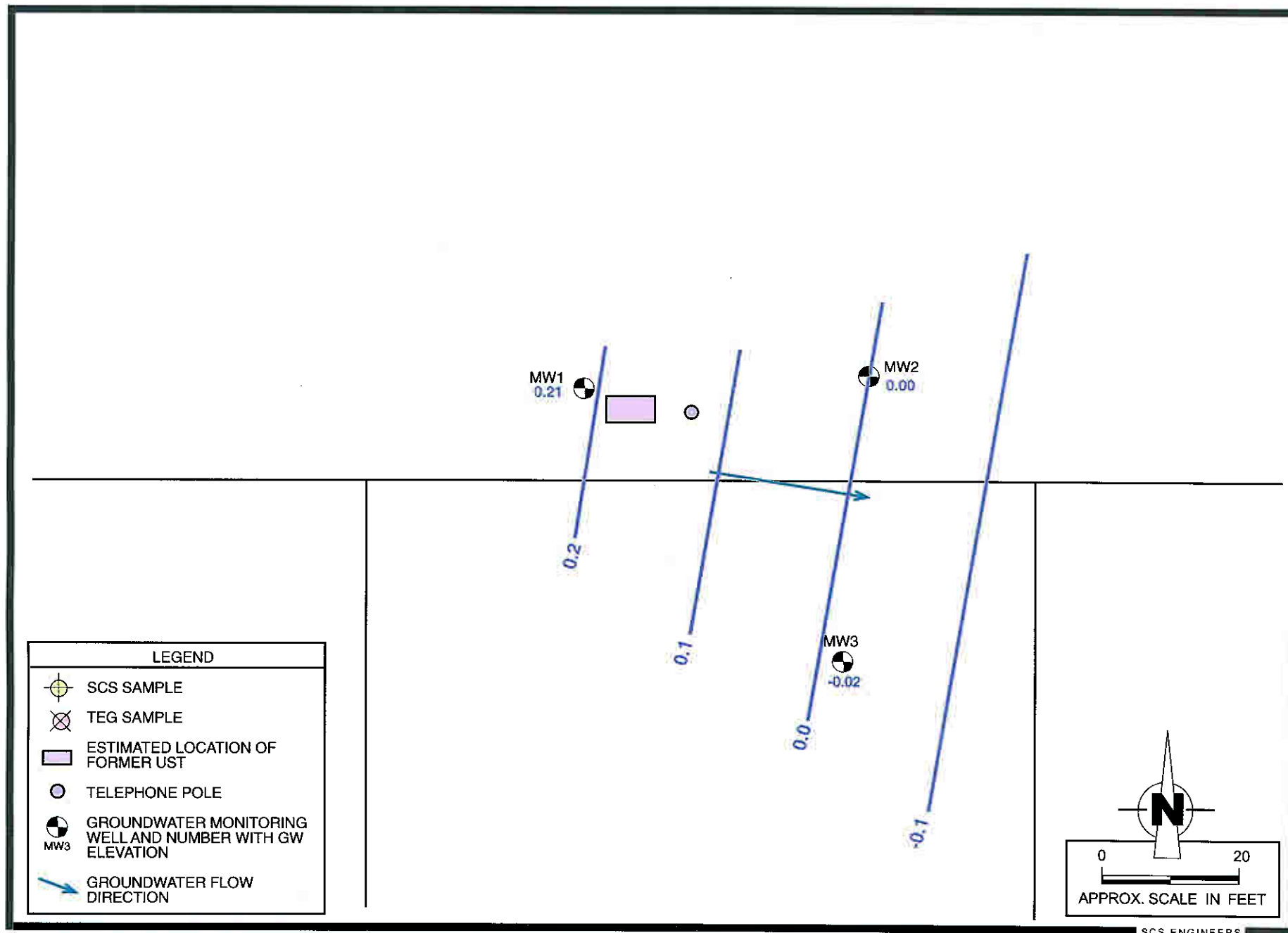


Figure 2. Groundwater Elevation Map, September 20, 2006, Former Long Beach City Tow Yard, 901 W. Anaheim, Long Beach, CA.

TABLES

TABLE 1
SUMMARY OF GROUNDWATER ELEVATION DATA
LONG BEACH CITY TOW YARD
901 W. ANAHEIM STREET, LONG BEACH, CALIFORNIA

Well No. (Casing Diameter)	Reference Point Elevation* (Ft. above MSL)	Measured Casing Depth (Ft. Below RP)	Perforated Interval (bgs)	Date	Depth to Water (Ft. below RP)	Groundwater Elevation (Ft. Above MSL)
MW-1 (4 in.)	6.79	20	5-20	8/11/2005	5.99	0.80
				3/24/2006	6.00	0.79
				6/20/2006	5.90	0.89
				9/20/2006	6.58	0.21
MW-2 (4 in.)	6.74	20	5-20	8/11/2005	6.23	0.51
				3/24/2006	6.17	0.57
				6/20/2006	6.11	0.63
				9/20/2006	6.74	0.00
MW-3 (4 in.)	7.55	20	5-20	8/11/2005	7.12	0.43
				3/24/2006	7.07	0.48
				6/20/2006	6.99	0.56
				9/20/2006	7.57	-0.02

* = Casing reference point elevation.

RP = Reference Point on Well Casing

MSL = Mean Sea Level.

BGS = Below Ground Surface.

N/A = Not Available. Well dry or obstruction prevented sounding.

No Access = Access to this well was not available.

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS ORGANICS
LONG BEACH CITY TOW YARD
901 W ANAHEIM, LONG BEACH, CALIFORNIA

Well ID	Sample Date	Gasoline Range Organics (EPA Method 8015BM)	VOLATILE ORGANIC COMPOUNDS (VOCs) (EPA Method 8260B)														
			Benzene	Toluene	Ethylbenzene	Xylenes	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Isopropylbenzene	n-Propylbenzene	p-Isopropyltoluene *	Naphthalene	n-Butylbenzene	sec-Butylbenzene	Methyl-tert-butyl ether (MTBE)	Dilisopropyl Ether	tert-Butyl alcohol (TBA)
		Milligrams per Liter (mg/L)	Micrograms per Liter (µg/L)														
MW1	8/11/05	0.189	<0.5	<0.5	1.2	4.8	--	--	--	--	--	--	--	--	<0.5	<0.5	<0.5
	3/24/06	0.171	0.9 J	1.4	12.9	5.3	7.2	<0.5	3.9	6.1	<0.5	<0.5	<0.5	0.6 J	<0.5	<0.5	<10
	6/20/06	1.840	<0.5	<0.5	1.3	<1.5	<0.5	<0.5	2.3	2.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10
	9/20/06	0.171	<0.5	<0.5	2.2	<1.5	0.7 J	<0.5	1.1	1.5	<0.5	0.8 J	<0.5	<0.5	<0.5	<0.5	<10
MW2	8/11/05	<0.005	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	--	--	--	<0.5	<0.5	<0.5
	3/24/06	0.158	0.8 J	2.2	0.6 J	3.5	<0.5	<0.5	4.3	2.3	<0.5	<0.5	<0.5	0.5 J	<0.5	<0.5	<10
	6/20/06	0.036	<0.5	<0.5	<0.5	<1.5	<0.5	<0.5	1.0	0.7 J	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10
	9/20/06	0.037	<0.5	<0.5	1.1	<1.5	<0.5	<0.5	0.5 J	0.7 J	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10
MW3	8/11/05	0.024	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	--	--	--	3.9	<0.5	38.8 J
	3/24/06	0.402	15.8	2.3	18.0	5.8	2.2	0.6 J	8.2	9.4	<0.5	3.3	<0.5	1.3	2.8	0.9 J	<10
	6/20/06	1.84	45.8	2.8	50.8	9.4	10.8	4.7	26.4	53.7	0.6 J	23.5	<0.5	5.7	1.3	<0.5	<10
	9/20/06	1.03	36.7	2.1	58.7	4.4	4.9	3.5	13.9	30.3	<0.5	1.9	2.9	2.4	2.0	<0.5	<10
MCL or NL		--	1	150	300	1,750	--	--	--	--	--	17	--	--	13	--	12

Notes:

- 1) -- = Not Applicable or Not Analyzed
- 2) < = Less than reporting limit
- 3) J = Analyte was detected. However, the analyte concentration is an estimated value, which is between the Method
- 4) MCL = Maximum Contaminant Level; NL = Notification Level (formerly referred to as action level). Reference - California Department of Health Services.

APPENDIX A
AETL LABORATORY REPORT





American Environmental Testing Laboratory Inc.

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Ordered By

SCS Engineers
3900 Kilroy Airport Way Suite 100
Long Beach, CA 90806-6816

Number of Pages 7
Date Received 09/20/2006
Date Reported 10/05/2006

Telephone: (562) 426-9544
Attention: Kevin Green

Job Number	Order Date	Client
39002	09/20/2006	SCS

Project ID: 01204007.03
Project Name: Long Beach City Tow Yard
Site: Long Beach, CA

Enclosed please find results of analyses of 3 water samples which were analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By: _____

Approved By: _____

Cyrus Razmara, Ph.D.
Laboratory Director



American Environmental Testing Laboratory Inc.

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CHAIN OF CUSTODY RECORD

Nº 43030

COMPANY SCS ENGINEERS		PROJECT MANAGER Kern Green		AETL JOB No. 39002		Page 1 of 1					
COMPANY ADDRESS 3900 Kew Airport Rd 100		PHONE 562 426-9549		FAX		ANALYSIS REQUESTED		TEST INSTRUCTIONS & COMMENTS			
PROJECT NAME Long Beach City Tow Yard		PROJECT # 01204007.03		PO #							
SITE NAME AND ADDRESS Long Beach											
SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.					
1 MW-3	39002.01	9/20/06	11:40	Water	3 Ubas	Hcl	X	X			
2 MW-1	39002.02	↓	12:20	↓	↓	↓	X	X			
3 MW-2	39002.03	↓	12:52	↓	↓	↓	X	X			
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											
SAMPLE RECEIPT - TO BE FILLED BY LABORATORY						RELINQUISHED BY: 1.		RELINQUISHED BY: 2.		RELINQUISHED BY: 3.	
TOTAL NUMBER OF CONTAINERS		9.		PROPERLY COOLED (Y) N / NA		Signature: <i>[Signature]</i>		Signature: <i>[Signature]</i>		Signature: <i>[Signature]</i>	
CUSTODY SEALS Y / N (NA)				SAMPLES INTACT (Y) N / NA		Printed Name: <i>[Signature]</i>		Printed Name: <i>[Signature]</i>		Printed Name: <i>[Signature]</i>	
RECEIVED IN GOOD COND. (Y) N				SAMPLES ACCEPTED (Y) N		Date: <i>9/20/06</i> Time: <i>1:05</i>		Date: <i>09/20/06</i> Time: <i>1830</i>		Date: <i>09/20/06</i> Time: <i>1830</i>	
TURN AROUND TIME						RECEIVED BY: 1.		RECEIVED BY: 2.		RECEIVED BY: 3.	
☒ NORMAL ☐ RUSH ☐ SAME DAY ☐ 48 HRS. ☐ 24 HRS. ☐ 72 HRS.						Signature: <i>[Signature]</i>		Signature: <i>[Signature]</i>		Signature: <i>[Signature]</i>	
						Printed Name: <i>Thomas Robinson</i>		Printed Name: <i>[Signature]</i>		Printed Name: <i>Julius Hernandez</i>	
						Date: <i>09/20/06</i> Time: <i>1310</i>		Date: <i>09/20/06</i> Time: <i>1830</i>		Date: <i>09/20/06</i> Time: <i>1830</i>	

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ANALYTICAL RESULTS

Ordered By

SCS Engineers
3900 Kilroy Airport Way
Suite 100
Long Beach, CA 90806-6816

Site

Long Beach, CA

Telephone: (562)426-9544

Attn: Kevin Green

Page: 2

Project ID: 01204007.03

Project Name: Long Beach City Tow Yard

AETL Job Number	Submitted	Client
39002	09/20/2006	SCS

Method: 8260B, Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 092206

Our Lab I.D.			Method Blank	39002.01	39002.02	39002.03
Client Sample I.D.				MW-3	MW-1	MW-2
Date Sampled				09/20/2006	09/20/2006	09/20/2006
Date Prepared			09/23/2006	09/23/2006	09/23/2006	09/23/2006
Preparation Method			5030B	5030B	5030B	5030B
Date Analyzed			09/23/2006	09/23/2006	09/23/2006	09/23/2006
Matrix			Aqueous	Aqueous	Aqueous	Aqueous
Units			ug/L	ug/L	ug/L	ug/L
Dilution Factor			1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results
Acetone	10	10	ND	ND	ND	ND
Benzene	0.5	1.0	ND	36.7	ND	ND
Bromobenzene (Phenyl bromide)	0.5	1.0	ND	ND	ND	ND
Bromochloromethane	0.5	1.0	ND	ND	ND	ND
Bromodichloromethane	0.5	1.0	ND	ND	ND	ND
Bromoform (Tribromomethane)	2.5	5.0	ND	ND	ND	ND
Bromomethane (Methyl bromide)	1.5	3.0	ND	ND	ND	ND
2-Butanone (MEK)	5.0	5.0	ND	ND	ND	ND
n-Butylbenzene	0.5	1.0	ND	2.9	ND	ND
sec-Butylbenzene	0.5	1.0	ND	2.4	ND	ND
tert-Butylbenzene	0.5	1.0	ND	ND	ND	ND
Carbon Disulfide	0.5	1.0	ND	ND	ND	ND
Carbon tetrachloride	0.5	1.0	ND	ND	ND	ND
Chlorobenzene	0.5	1.0	ND	ND	ND	ND
Chloroethane	1.5	3.0	ND	ND	ND	ND
2-Chloroethyl vinyl ether	2.5	5.0	ND	ND	ND	ND
Chloroform (Trichloromethane)	0.5	1.0	ND	ND	ND	ND
Chloromethane (Methyl chloride)	1.5	3.0	ND	ND	ND	ND
2-Chlorotoluene	0.5	1.0	ND	ND	ND	ND
4-Chlorotoluene	0.5	1.0	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	2.5	5.0	ND	ND	ND	ND
Dibromochloromethane	0.5	1.0	ND	ND	ND	ND
1,2-Dibromoethane (EDB)	0.5	1.0	ND	ND	ND	ND
Dibromomethane	0.5	1.0	ND	ND	ND	ND
1,2-Dichlorobenzene	0.5	1.0	ND	ND	ND	ND
1,3-Dichlorobenzene	0.5	1.0	ND	ND	ND	ND
1,4-Dichlorobenzene	0.5	1.0	ND	ND	ND	ND
Dichlorodifluoromethane	1.5	3.0	ND	ND	ND	ND



American Environmental Testing Laboratory Inc.

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ANALYTICAL RESULTS

Page: 3

Project ID: 01204007.03

Project Name: Long Beach City Tow Yard

AETL Job Number	Submitted	Client
39002	09/20/2006	SCS

Method: 8260B, Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 092206

Our Lab I.D.			Method Blank	39002.01	39002.02	39002.03	
Client Sample I.D.				MW-3	MW-1	MW-2	
Date Sampled				09/20/2006	09/20/2006	09/20/2006	
Date Prepared			09/23/2006	09/23/2006	09/23/2006	09/23/2006	
Preparation Method			5030B	5030B	5030B	5030B	
Date Analyzed			09/23/2006	09/23/2006	09/23/2006	09/23/2006	
Matrix			Aqueous	Aqueous	Aqueous	Aqueous	
Units			ug/L	ug/L	ug/L	ug/L	
Dilution Factor			1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	
1,1-Dichloroethane	0.5	1.0	ND	ND	ND	ND	
1,2-Dichloroethane (EDC)	0.5	1.0	ND	ND	ND	ND	
1,1-Dichloroethene	0.5	1.0	ND	ND	ND	ND	
cis-1,2-Dichloroethene	0.5	1.0	ND	ND	ND	ND	
trans-1,2-Dichloroethene	0.5	1.0	ND	ND	ND	ND	
1,2-Dichloropropane	0.5	1.0	ND	ND	ND	ND	
1,3-Dichloropropane	0.5	1.0	ND	ND	ND	ND	
2,2-Dichloropropane	0.5	1.0	ND	ND	ND	ND	
1,1-Dichloropropene	0.5	1.0	ND	ND	ND	ND	
cis-1,3-Dichloropropene	0.5	1.0	ND	ND	ND	ND	
trans-1,3-Dichloropropene	0.5	1.0	ND	ND	ND	ND	
Ethylbenzene	0.5	1.0	ND	58.7	2.2	1.1	
Hexachlorobutadiene	1.5	3.0	ND	ND	ND	ND	
2-Hexanone	2.5	5.0	ND	ND	ND	ND	
Isopropylbenzene	0.5	1.0	ND	13.9	1.1	0.5J	
p-Isopropyltoluene	0.5	1.0	ND	ND	ND	ND	
4-Methyl-2-pentanone (MIBK)	2.5	5.0	ND	ND	ND	ND	
Methylene chloride (DCM)	2.0	4.0	ND	ND	ND	ND	
Naphthalene	0.5	1.0	ND	1.9	0.8J	ND	
n-Propylbenzene	0.5	1.0	ND	30.3	1.5	0.7J	
Styrene	0.5	1.0	ND	ND	ND	ND	
1,1,1,2-Tetrachloroethane	0.5	1.0	ND	ND	ND	ND	
1,1,2,2-Tetrachloroethane	0.5	1.0	ND	ND	ND	ND	
Tetrachloroethene	0.5	1.0	ND	ND	ND	ND	
Toluene (Methyl benzene)	0.5	1.0	ND	2.1	ND	ND	
1,2,3-Trichlorobenzene	0.5	1.0	ND	ND	ND	ND	
1,2,4-Trichlorobenzene	0.5	1.0	ND	ND	ND	ND	
1,1,1-Trichloroethane	0.5	1.0	ND	ND	ND	ND	
1,1,2-Trichloroethane	0.5	1.0	ND	ND	ND	ND	
Trichloroethene	0.5	1.0	ND	ND	ND	ND	
Trichlorofluoromethane	0.5	1.0	ND	ND	ND	ND	
1,2,3-Trichloropropane	0.5	1.0	ND	ND	ND	ND	
1,2,4-Trimethylbenzene	0.5	1.0	ND	4.9	0.7J	ND	
1,3,5-Trimethylbenzene	0.5	1.0	ND	3.5	ND	ND	
Vinyl Acetate	0.5	5.0	ND	ND	ND	ND	
Vinyl chloride (Chloroethene)	0.5	3.0	ND	ND	ND	ND	



American Environmental Testing Laboratory Inc.

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ANALYTICAL RESULTS

Page: 4

Project ID: 01204007.03
Project Name: Long Beach City Tow Yard

AETL Job Number	Submitted	Client
39002	09/20/2006	SCS

Method: 8260B, Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 092206

Our Lab I.D.			Method Blank	39002.01	39002.02	39002.03	
Client Sample I.D.				MW-3	MW-1	MW-2	
Date Sampled				09/20/2006	09/20/2006	09/20/2006	
Date Prepared			09/23/2006	09/23/2006	09/23/2006	09/23/2006	
Preparation Method			5030B	5030B	5030B	5030B	
Date Analyzed			09/23/2006	09/23/2006	09/23/2006	09/23/2006	
Matrix			Aqueous	Aqueous	Aqueous	Aqueous	
Units			ug/L	ug/L	ug/L	ug/L	
Dilution Factor			1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	
o-Xylene	0.5	1.0	ND	0.6J	ND	ND	
m,p-Xylenes	1.0	2.0	ND	3.8	ND	ND	
tert-Butyl alcohol (TBA)	10	50	ND	ND	ND	ND	
Diisopropyl ether (DIPE)	0.5	1.0	ND	ND	ND	ND	
Ethyl alcohol (Ethanol)	500	1000	ND	ND	ND	ND	
Ethyl-tert-butyl ether (ETBE)	0.5	1.0	ND	ND	ND	ND	
Methyl-tert-butyl ether (MTBE)	0.5	1.0	ND	2.0	ND	ND	
tert-Amyl methyl ether (TAME)	0.5	1.0	ND	ND	ND	ND	
Our Lab I.D.			Method Blank	39002.01	39002.02	39002.03	
Surrogates	%Rec. Limit		% Rec.	% Rec.	% Rec.	% Rec.	
Bromofluorobenzene	75-125		106	103	106	104	
Dibromofluoromethane	75-125		103	100	102	101	
Toluene-d8	75-125		104	104	104	104	



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ANALYTICAL RESULTS

Ordered By

SCS Engineers
3900 Kilroy Airport Way
Suite 100
Long Beach, CA 90806-6816

Telephone: (562)426-9544

Attn: Kevin Green

Site

Long Beach, CA

Page: 5

Project ID: 01204007.03

Project Name: Long Beach City Tow Yard

AETL Job Number	Submitted	Client
39002	09/20/2006	SCS

Method: M8015G, TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 092806

Our Lab I.D.			Method Blank	39002.01	39002.02	39002.03	
Client Sample I.D.				MW-3	MW-1	MW-2	
Date Sampled				09/20/2006	09/20/2006	09/20/2006	
Date Prepared			09/28/2006	09/28/2006	09/28/2006	09/28/2006	
Preparation Method			5030B	5030B	5030B	5030B	
Date Analyzed			09/28/2006	09/28/2006	09/28/2006	09/28/2006	
Matrix			Aqueous	Aqueous	Aqueous	Aqueous	
Units			mg/L	mg/L	mg/L	mg/L	
Dilution Factor			1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	
TPH as Gasoline and Light HC. (C4-C12)	0.005	0.010	ND	1.03	0.171	0.037	
Our Lab I.D.			Method Blank	39002.01	39002.02	39002.03	
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	
Bromofluorobenzene	75-125		93	> 125 S6	97	93	



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ANALYTICAL RESULTS

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Telephone: (562)426-9544

Attn: Kevin Green

Site

Long Beach, CA

Page: 6

Project ID: 01204007.03

Project Name: Long Beach City Tow Yard

AETL Job Number	Submitted	Client
39002	09/20/2006	SCS

Method: 8260B, Volatile Organic Compounds by GC/MS (SW846)

QUALITY CONTROL REPORT

QC Batch No: 092206 Sample Spiked: 092206 QC Prepared: 09/23/2006 QC Analyzed: 09/23/2006

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Benzene	0.00	50.00	47.50	95	50.00	47.00	94	1.1	75-125	<20
Chlorobenzene	0.00	50.00	48.00	96	50.00	46.50	93	3.2	75-125	<20
1,1-Dichloroethene	0.00	50.00	41.50	83	50.00	44.50	89	7.0	75-125	<20
Toluene (Methyl benzene)	0.00	50.00	46.00	92	50.00	44.50	89	3.3	75-125	<20
Trichloroethene	0.00	50.00	48.00	96	50.00	47.50	95	1.0	75-125	<20
Methyl-tert-butyl ether (MTBE)	0.00	50.00	38.50	77	50.00	48.50	97	23.0	75-125	<20

QC Batch No: 092206 Sample Spiked: 092206 QC Prepared: 09/23/2006 QC Analyzed: 09/23/2006

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit						
Benzene	50.00	48.50	97	75-125						
Chlorobenzene	50.00	49.00	98	75-125						
1,1-Dichloroethene	50.00	44.50	89	75-125						
Toluene (Methyl benzene)	50.00	47.50	95	75-125						
Trichloroethene	50.00	48.00	96	75-125						
Methyl-tert-butyl ether (MTBE)	50.00	37.50	75	75-125						
LCS										
Chloroform (Trichloromethane)	50.00	48.00	96	75-125						
Ethylbenzene	50.00	46.50	93	75-125						
1,1,1-Trichloroethane	50.00	43.00	86	75-125						
o-Xylene	50.00	47.00	94	75-125						
m,p-Xylenes	100.00	93.00	93	75-125						



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Site

Long Beach, CA

Page: 7

Project ID: 01204007.03

Project Name: Long Beach City Tow Yard

AETL Job Number	Submitted	Client
39002	09/20/2006	SCS

Method: M8015G, TPH as Gasoline and Light Hydrocarbons Using GC/FID

QUALITY CONTROL REPORT

QC Batch No: 092806 Sample Spiked: 092806 QC Prepared: 09/28/2006 QC Analyzed: 09/28/2006

Analytes	Sample Result	MS Concn	MS Recov	MS % REC	MS DUP Concn	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
TPH as Gasoline and Light HC. (C4-C12)	0.0	0.50	0.48	95	0.50	0.49	97	2.1	75-125	<20

QC Batch No: 092806 Sample Spiked: 092806 QC Prepared: 09/28/2006 QC Analyzed: 09/28/2006

Analytes	LCS Concn	LCS Recov	LCS % REC	LCS/LCSD % Limit						
TPH as Gasoline and Light HC. (C4-C12)	0.50	0.49	98	75-125						

APPENDIX B
GROUNDWATER SAMPLING RECORDS

GROUNDWATER SAMPLING RECORD

Well ID: MW-1 Station #: _____ Project # 01204007.03

Facility Name: Long Beach City Tow Yard Date: 9/20/06

Well Depth: 20 Depth to Water: 6.58 Well Diameter: 4"

Casing Material: PVC Volume Of Water per Well Volume: -

Sampling Crew: L. Weaver

Equipment: QED Moorings Tubing Material: polyethylene Pump set at 14 ft.

Weather Conditions: Sunny 75°, light NW wind

NOTES: clear water with an odor

TIME	<u>12:12</u>	<u>12:16</u>	<u>12:20</u>		
Volume Pumped	<u>1L</u>	<u>2L</u>	<u>3L</u>		
Water Level					
Temp. (°C)	<u>25.0</u>	<u>25.0</u>	<u>25.0</u>		
Pumping Rate	<u>250ml/min</u>	<u>"</u>	<u>"</u>		
DO (mg/l)					
EC (µS/cm)	<u>11.8</u>	<u>11.9</u>	<u>11.8</u>		
PH	<u>6.78</u>	<u>6.76</u>	<u>6.77</u>		
ORP (mV)					
Turbidity (NTU)	<u>8</u>	<u>5</u>	<u>4</u>		

Parameters taken with: Hanbia Other Parameters: _____

Sampled at: 12:20 (time) Sample collection method: QED

Sample delivered to AETL by L. Weaver at _____

Sample #'s: _____ Other #'s: _____

Parameters Collected; Number of Bottles; Bottle Lot Number:

5200 TOLY
8015m TPT+G

GROUNDWATER SAMPLING RECORD

Well ID: MW-2 Station #: _____ Project # 01204007-03

Facility Name: Long Beach City Tow Yard Date: 9/20/06

Well Depth: 20 Depth to Water: 16.74 Well Diameter: 4"

Casing Material: PVC Volume Of Water per Well Volume: -

Sampling Crew: L. Weaver

Equipment: QED Tubing Material: Polyethylene Pump set at 14 ft.

Weather Conditions: Sunny 75°, Light Wind.

NOTES: clear water with odor

TIME	<u>12:44</u>	<u>12:48</u>	<u>12:52</u>		
Volume Pumped	<u>1L</u>	<u>2L</u>	<u>3L</u>		
Water Level					
Temp. (°C)	<u>26.0</u>	<u>25.7</u>	<u>25.7</u>		
Pumping Rate	<u>250ml/min</u>	<u>"</u>	<u>"</u>		
DO (mg/l)					
EC (µS/cm)	<u>13.2</u>	<u>13.1</u>	<u>13.1</u>		
PH	<u>6.69</u>	<u>6.68</u>	<u>6.68</u>		
ORP (mV)					
Turbidity (NTU)	<u>3</u>	<u>3</u>	<u>3</u>		

Parameters taken with: Horiba Other Parameters: _____

Sampled at: 12:52 (time) Sample collection method: QED

Sample delivered to AETZ by L. Weaver at _____

Sample #'s: _____ Other #'s: _____

Parameters Collected; Number of Bottles; Bottle Lot Number:

<u>3200 + oxy</u>			
<u>5015M + PH-6</u>			

GROUNDWATER SAMPLING RECORD

Well ID: MW-3 Station #: _____ Project # 01204007-03

Facility Name: Long Beach City Tow Yard Date: 9/20/06

Well Depth: 20 Depth to Water: 7.57 Well Diameter: 4

Casing Material: PVC Volume Of Water per Well Volume: -

Sampling Crew: L. Weaver, D. Priolo

Equipment: QED MicroPurge Tubing Material: Polyethylene Pump set at 14 ft.

Weather Conditions: Sunny 75°

NOTES: clear water with an odor

TIME	<u>11:25</u>	<u>11:29</u>	<u>11:33</u>	<u>11:40</u>	
Volume Pumped	<u>1L</u>	<u>2L</u>	<u>3L</u>	<u>5L</u>	
Water Level					
Temp. (°C)	<u>24.7</u>	<u>24.8</u>	<u>24.9</u>	<u>25.0</u>	
Pumping Rate	<u>250ml/min</u>	<u>"</u>	<u>"</u>	<u>"</u>	
DO (mg/l)					
EC (αS/cm)	<u>4.83</u>	<u>4.63</u>	<u>4.45</u>	<u>4.22</u>	
PH	<u>6.58</u>	<u>6.76</u>	<u>6.73</u>	<u>6.69</u>	
ORP (mV)					
Turbidity (NTU)	<u>367</u>	<u>44</u>	<u>18</u>	<u>9</u>	

Parameters taken with: Horiba Other Parameters: _____

Sampled at: 11:40 (time) Sample collection method: QED

Sample delivered to ATZ by L. Weaver at _____

Sample #'s: _____ Other #'s: _____

Parameters Collected; Number of Bottles; Bottle Lot Number:

8260 + oxy
8015M TPH-G

UST Site 43

(City of Long Beach, Public Works Yard)

1725 San Francisco Ave.

Long Beach CA 90813

**UNDERGROUND STORAGE TANK
REMOVAL REPORT**

July 1, 2008

Prepared by: Steven G. Aichele
Pacific Coast Tank
235 E. Broadway, #706
Long Beach CA 90802
562-491-0067

Underground Storage Tank (UST) Site Information

Site Address: 1725 San Francisco Ave.
Long Beach CA 90813

Site: Owner: City of Long Beach
2600 Temple Ave.
Long Beach CA 90806

Site Description: This UST site stored and dispensed fuel for City vehicles. The system consisted of one 12,000-gallon, fiberglass-clad, double-walled steel UST used to store diesel; one 12,000-gallon, fiberglass-clad, double-walled steel UST used to store gasoline; double-walled fiberglass piping; and four fuel dispensers.

UST System was installed on: November 18, 1998

UST system removed on: July 1, 2008

UST system removed and disposed of by: Moine Bros.
521 East D Street
Wilmington CA 90744

UST System Preparation and Removal

The following steps were taken to prepare the UST system for removal:

1. All product was removed from the tanks and manifested as hazardous waste.
2. Tanks were rinsed with water and detergent. The rinse water was then removed and manifested as hazardous waste.
3. Tanks were inerted by adding 25 lbs per 1,000 gallons of tank capacity.
4. Tank interior O₂ level was measured at less than 5% and LEL was measured and determined to be 0%.

The following steps were taken to remove the UST system:

1. Tank tops and piping were exposed by excavating the area.
2. The excavation area was frequently monitored for LEL readings.
3. Tanks were certified (and marked as such) by a marine hygienist/industrial chemist to be clean and safe to transport.
4. Tanks and piping were removed from the excavation.
5. Soil sampling and analysis were conducted in accordance with CUPA direction and as described in the attached UNDERGROUND TANK REMOVAL AND SOIL SAMPLING REPORT. Note that water was encountered in the excavation, but no water samples were taken.
6. Site was backfilled and re-paved once approval was given by the CUPA.

Leymaster Environmental Consulting, LLC

5500 E. Atherton St.
Suite 210
Long Beach, CA 90815

Office: (562) 799-9866
Fax: (562) 799-1963

UNDERGROUND TANK REMOVAL AND SOIL SAMPLING REPORT

**City of Long Beach Public Works Maintenance Yard
1725 San Francisco Avenue
Long Beach, California 90813**

Long Beach Fire Department Project Number 530729

August 7, 2008

Introduction

This report describes the removal of two underground storage tanks (USTs), the associated piping, and four fuel dispensers from the City of Long Beach Public Works Department Maintenance Yard at 1725 San Francisco Avenue in Long Beach, California (Figure 1). The USTs were of double-walled steel, fiberglass-clad construction and were 12,000-gallons in volume. One UST was formerly used to store gasoline and the other was used to store diesel fuel. Locations of the USTs at the site are shown on Figure 2.

Hydrogeology

The site is located on the Coastal Plain of Los Angeles County, adjacent to the Los Angeles River and approximately 1½ miles north of the Pacific Ocean, at an elevation of approximately 10 feet. The shallow subsurface at the site is made up of moderate brown to olive gray silty sand. The depth to groundwater beneath the site, as observed in the UST excavation, is approximately 9 feet.

UST Removal

The soils covering the USTs were excavated using a backhoe on July 1, 2008. In compliance with Southern California Air Quality Management District (AQMD) Rule 1166 requirements, the AQMD was notified prior to beginning the UST excavation and volatile organic compound (VOC) concentrations in the air were monitored as the excavation progressed. Copies of the Rule 1166 notification and monitoring forms are included in Attachment A of this report.

After they were uncovered, the USTs were cut open, pressure-washed in-place, and certified clean by a Marine Chemist. The water used to wash the USTs was collected in a vacuum truck and disposed of at the DeMenno/Kerdoon facility in Compton, California. A copy of the Hazardous Waste Manifest under which the water was transported is included as Attachment B. A copy of the Marine Chemist certificate is included as Attachment C.

The USTs were removed from the site on July 2, 2008, under supervision of Inspector Tim Buzbee of the Long Beach Fire Department. The USTs were lifted from the excavation using a crane and were loaded directly onto a truck for transport to the Moine Bros. facility in Wilmington, California, where they were destroyed. A copy of the Certificate of Destruction is included in Attachment D.

After the USTs were removed, groundwater covered the bottom of the excavation to a depth of approximately two feet, and free-product diesel fuel was observed to be floating on the water in the southwest corner of the excavation. The diesel fuel had leaked into the pea-gravel backfill surrounding the USTs when one of the dispenser pans was removed during the excavation. Absorbent pads were used to skim the free product, and a vacuum truck was mobilized to the site to pump out the groundwater. Approximately 5,000 gallons of water were removed from the excavation.

Soil Sampling

Soil samples were collected from beneath either end of each former UST using a track-mounted excavator to retrieve native soils from depths of approximately 16 feet below grade. Soil samples were also collected from beneath the former dispensers using the excavator to retrieve soils from depths of approximately six feet below grade. Locations of the soil samples are shown on Figure 2. All the samples were collected in EPA Method 5035-approved 25-gram Encore® samplers, which were immediately labeled, placed in a plastic bag, and stored on ice until delivery later the same day to Cal Tech Environmental Laboratories in Paramount, California.

Chain-of-Custody procedures were followed throughout sample collection, transportation, and delivery to the laboratory. The samples were analyzed by EPA Method 8015M to determine concentrations and speciation of total petroleum hydrocarbons (TPH) in the gasoline (C₆-C₁₂) range, the diesel (C₁₃-C₂₄) range, and the heavy-oil (C₂₅-C₄₀) range and by EPA Method 8260B to determine concentrations of VOCs.

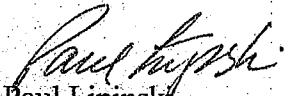
Analytical Results

A copy of the laboratory analytical report is contained in Attachment E. The results showed that no detectable concentrations of TPH or of VOCs were present in any of the samples.

Conclusion

Based on the lack of detectable concentrations of TPH or VOCs in the samples collected from beneath the USTs and fuel dispensers at the City of Long Beach Public Works Maintenance Yard at 1725 San Francisco Avenue in Long Beach, California, no further investigation at the site is recommended.

Report Prepared August 7, 2008,


Paul Lipinski

California Professional Geologist #3991

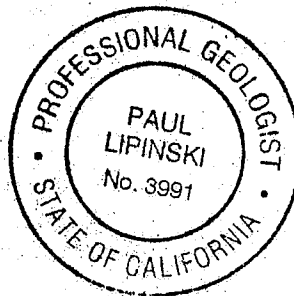
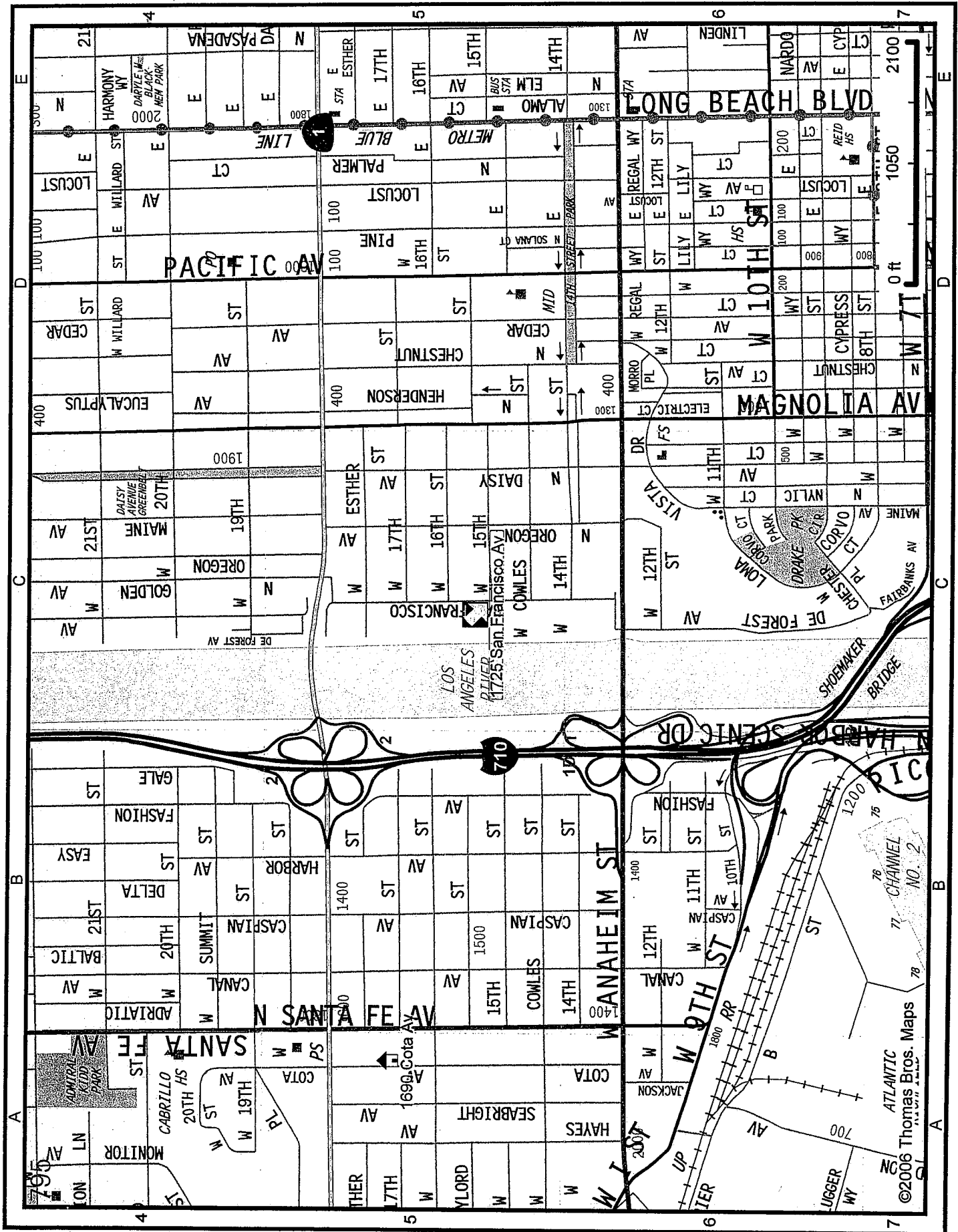
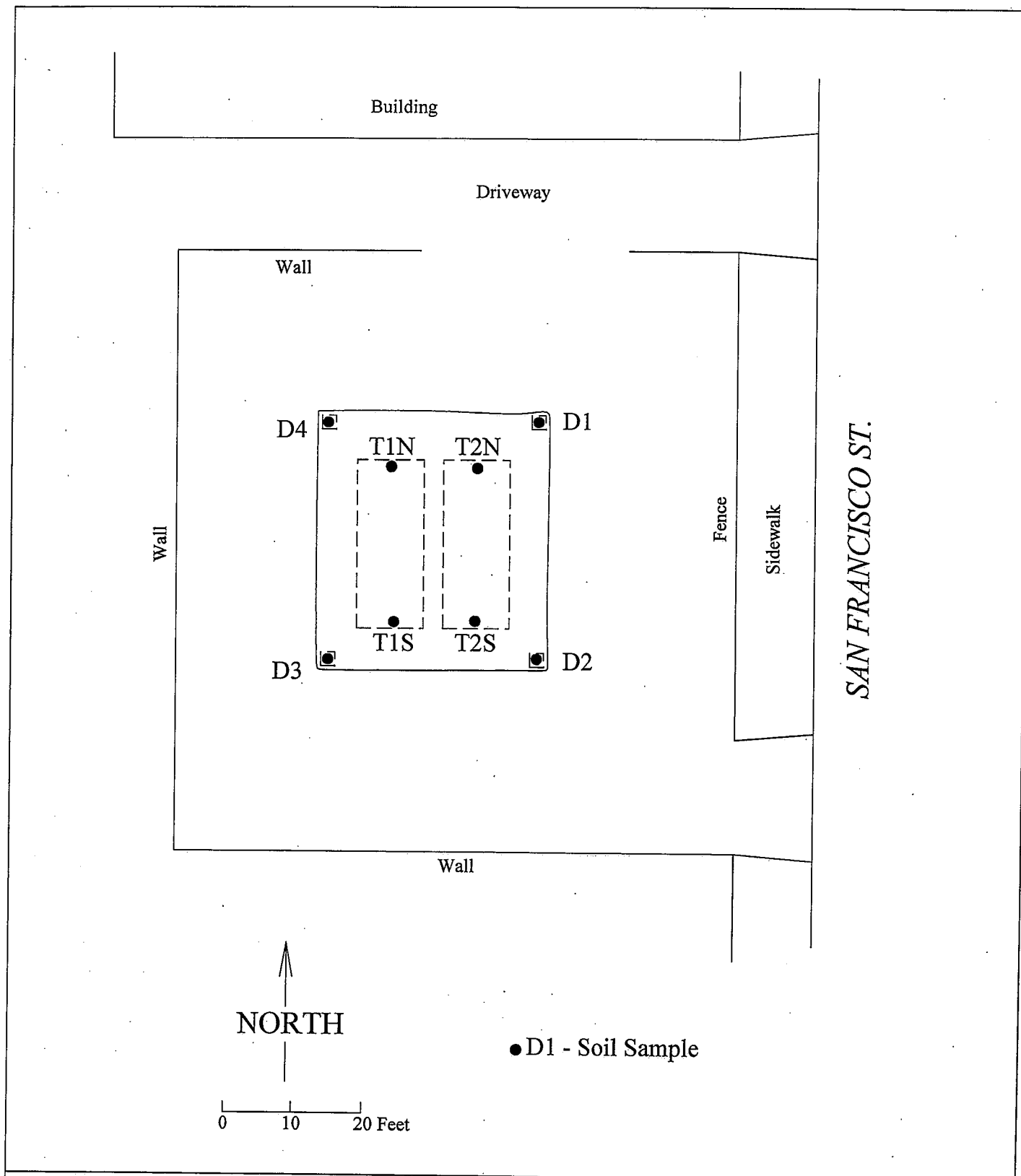


Figure 1
Site Location Map



1690 Cota Av: Long Beach, CA 90813, 795 - A5

1725 San Francisco Av: Long Beach, CA 90813, 795 - C5



Leymaster Environmental Consulting
 5500 E. Atherton, Suite 210
 Long Beach CA 90815
 (562) 799-9866

Figure 2
 Soil Sample Locations
 City of Long Beach
 Public Works Maintenance Yard
 1725 San Francisco St.,
 Long Beach, CA

ATTACHMENT A

Rule 1166 Monitoring Forms

From:

06/27/2008 14:33

#164 P.001/001



SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT **Rules 203, 1149 or R1166 NOTIFICATION FORM**

191757

Use this form to notify of known or suspect VOC storage tank Degassing and Excavation; Excavation, Handling and/or Monitoring of known or suspect VOC contaminated soil; Mitigation/Treating of VOC contaminated soil; and VOC Vapor Extraction. Any questions see the instructions on the back of this form or call the Hotline at (909) 396-2326. Fax this form to 909-396-3342 and within 48 hours mail the original and fee to: SCAQMD - R203/1149/1166 Notifications, File # 55641, Los Angeles, CA 90074-5641

This form will be faxed back to you with a REFERENCE number if you provide a FAXBACK # here: (562) 799-1963

COMPLETED BY <u>PAUL LIPINSKI</u>		Company <u>LEC</u>		Phone # <u>(562) 799-9866</u>	
Date <u>6/27/08</u>	Check #	Amount \$	Project #		
NOTIFICATION TYPE	<u>Original (Initial)</u>	Revision (prior reference #)	Cancellation (prior reference #)		
PROJECT TYPE (circle one only)	<u>R1166 Soil / Tank Excavation</u>	<u>R1149 Tank Degassing ***</u>	<u>Soil Vapor Extraction**</u>	<u>VOC Contaminated Soil Mitigation / Treating</u>	<u>VOC Contaminated Soil Monitoring*</u>
*Plan information is required for these projects, **Permit information is required for these projects			* For reporting VOC > 50 or 1000 ppm only		
*Mitigation Plan issued to: <u>LEC</u>		Plan # <u>473247</u>	*Date & time of VOC exceedance		
**Permit issued to:		Permit #	*Highest VOC reading in ppm		
PROJECT DATES & TIMES***		START <u>7/1/08</u>	END <u>7/31/08</u>	WORK SHIFT <u>(day, swing, night)</u>	
SITE CONTRACTOR INFORMATION		AQMD ID # <u>130156</u>	CSLB License #	Phone # <u>(562) 799-9866</u>	
Name <u>Leymaster Environmental Consulting</u>	Address <u>5500 E. Atherton #210</u>				
City <u>Long Beach</u>	Zip <u>90815</u>	Site supv name & phone # <u>PAUL LIPINSKI (562) 799-9866</u>			
SITE INFORMATION		Site Name <u>Public Works Yard</u>	Site AQMD ID # <u>55641</u>		
Site Address <u>1725 San Francisco Ave</u>		Cross Street <u>W. Cowles St.</u>			
Site City <u>Long Beach</u>		Zip <u>90813</u>	Site contact name & phone # <u>Steve Aichele (562) 234-0991</u>		
TANK INFORMATION	# OF TANKS	EACH	CAPACITY (gal)	MATERIAL STORED IN TANK	ABOVE GROUND? (Y/N)
	<u>2</u>	<u>@</u>	<u>12,000</u>	<u>Gasoline</u>	<u>N</u>
		<u>@</u>			
Example	3 tanks	@	10,000	Gasoline	no
EMERGENCY NOTIFICATIONS: Fax a copy of the Agency Order and give the reason, date, time, name and phone # of the person declaring the emergency.					
REASON:					
Date & time	Name/Title		Phone #		
INFORMATION CERTIFICATION I certify that the above information is complete and accurate					
Company Name <u>Leymaster Environmental</u>		Print Name <u>PAUL LIPINSKI</u>	Signature <u>Paul Lipinski</u>	Date <u>6-27-08</u>	
COMMENTS:					
***Distance to nearest sensitive receptor in feet: *** Include degassing project start & end times.					

Rule 1166 Soil Monitoring Records

Company Name Leymaster environmental Consulting.LLC 5500 East Atherton Street, Suite 210 Long Beach, CA 90815	Facility/Site Information <i>1725 SAN FRANCISCO AVE</i>
Reference No(s). <i>191257</i>	

Plan #: 447318 I.D.#: 130156

Monitor Information	Calibration Data	Monitoring Personnel	Excavation Summary (Upon completion of each page)
Brand: <i>MINIRAE</i>	Gas: <i>HEXANE</i>	Name: <i>ROS DAMON</i>	Total Cubic Yds (This page)
Model: <i>2000</i>	Date: <i>7/1/08</i>	Company: <i>L.E.C.</i>	Total Cubic Yds (To date)
Type: <i>PID</i>	By: <i>ROS DAMON</i>	Phone: <i>562 799 9866</i>	Removed from Site (To date)

Time	VOC Concentration (PPMV) @ Excavated Load			Comment	Time	VOC Concentration (PPMV)@ Excavated Load			Comment
	Every 15 min.	Reading	Hexane Factor			Every 15 min.	Reading	Hexane Factor	
<i>10:00</i>		<i>0.0</i>		<i>0.0</i>	<i>PEA GRAVEL</i>	<i>13:30</i>	<i>0.0</i>		<i>0.0</i>
<i>10:15</i>		<i>0.0</i>		<i>0.0</i>					
<i>10:30</i>		<i>0.0</i>		<i>0.0</i>					
<i>10:45</i>		<i>0.0</i>		<i>0.0</i>					
<i>11:00</i>		<i>0.0</i>		<i>0.0</i>					
<i>11:15</i>		<i>0.0</i>		<i>0.0</i>					
<i>12:00</i>		<i>0.0</i>		<i>0.0</i>					
<i>12:15</i>		<i>0.0</i>		<i>0.0</i>					
<i>12:30</i>		<i>0.0</i>		<i>0.0</i>					
<i>12:45</i>		<i>0.0</i>		<i>0.0</i>					
<i>13:00</i>		<i>0.0</i>		<i>0.0</i>					
<i>13:15</i>		<i>0.0</i>		<i>0.0</i>					

I certify that the information contained in the above document is true and correct. I further certify that the above listed hydrocarbon monitor was operated in a manner consistent with the manufacturer's specifications and the conditions specified within this plan. In addition, I certify that the above readings represent the actual measurements I observed and recorded during the excavation process.

SIGNATURE: _____

DATE: _____

ATTACHMENT B

Waste Manifest

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number CAC002629172	2. Page 1 of 1	3. Emergency Response Phone 562 570-5487	4. Manifest Tracking Number 000274765 JJK	
5. Generator's Name and Mailing Address CITY OF LONG BEACH PUBLIC WORKS 2600 TEMPLE AVE LONG BEACH, CA 90806			Generator's Site Address (if different than mailing address) LONG BEACH CITY YARD 1725 SAN FRANCISCO AVE LONG BEACH, CA 90813			
6. Transporter 1 Company Name ADAMS SERVICES, INC.			U.S. EPA ID Number CAR000169431			
7. Transporter 2 Company Name			U.S. EPA ID Number			
8. Designated Facility Name and Site Address DEMENBO/KERDOON 2000 N. ALAMEDA STREET CUMPTON, CA 90222			U.S. EPA ID Number CAT080013352			
Facility's Phone: 310 537-7100						
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.
			No.	Type		
		1. NON-ACRA HAZARDOUS WASTE LIQUID (OIL & WATER)	1	TT	600	G
		2.				
		3.				
		4.				
13. Waste Codes						
						241
14. Special Handling Instructions and Additional Information 1) OIL WATER, 1% OIL AVOID EYE CONTACT & WEAR RUBBER GLOVES CONTRACTOR: MOINE 8802						
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.						
Generator's/Offor's Printed/Typed Name John A. ...			Signature <i>[Signature]</i>		Month 7	Day 1
					Year 08	
INT'L	16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: _____					
	Transporter signature (for exports only): _____ Date leaving U.S.: _____					
TRANSPORTER	17. Transporter Acknowledgment of Receipt of Materials					
	Transporter 1 Printed/Typed Name AL CASTELLON			Signature <i>[Signature]</i>		Month 7
					Year 08	
DESIGNATED FACILITY	18. Discrepancy					
	18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection					
Manifest Reference Number: _____						
18b. Alternate Facility (or Generator)					U.S. EPA ID Number	
Facility's Phone: _____						
18c. Signature of Alternate Facility (or Generator)					Month	Day
					Year	
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)						
1.		2.		3.		4.
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a						
Printed/Typed Name SALVA DOR ROSTA			Signature <i>[Signature]</i>		Month 7	Day 1
					Year 08	

ATTACHMENT C

Marine Chemist Certificate

HARBOR TESTING LABORATORY INC.
24 HOUR PHONE: (562) 492-9646

MARINE CHEMIST CERTIFICATE

Serial # 0393

Survey Requested By: MOINE BRO'S. City of LONG BEACH PUB. WORKS 01 JULY 2008
TANKS No's. 0393-A; B Vessel Owner or Agent 1725 SAN FRANCISCO AVE. Date
DOUBLE-WALL STEEL + FIBERGLASS UNDERGROUND LONG BEACH CA
Vessel: GASOLINE (A); DIESEL (B) Type of Vessel: O₂, LEL, VISUAL, TOXICITY Specific Location of Vessel: 1906
Last Cargo: Tests Performed: Time Survey Completed:

TANKS
No. 0393-A
No. 0393-B
(MARKED WITH ORANGE)
{ SPRAY-PAINT }

20.8% O₂, 0% LEL
NO DETECTABLE H₂S (1 ppm)
<75 ppm HYDROCARBON VAPOR (AS ISOBUTYLENE)
NOT SAFE FOR WORKERS
NOT SAFE FOR HOT-WORK

TANKS HAVE BEEN DISCONNECTED, OPENED,
WASHED, VENTILATED AND ARE
SAFE TO COLD-CUT

B.W. TECH. MOD MSPID, S.N. SK 107-001003 CALIBRATED 01 JUL '08

In the event of any physical or atmospheric changes affecting the STANDARD SAFETY DESIGNATIONS assigned to any of the above spaces this certificate is voided; or if there is any question about the conditions, immediately stop all work and contact the undersigned Marine Chemist.

QUALIFICATIONS: Transfer of ballast, cargo, fuel, or manipulation of valves or closure equipment tending to alter conditions in pipelines, tanks, or compartments subject to gas accumulation, unless specifically approved on this Certificate, requires inspection and a new Certificate for spaces so affected. All lines, vents, heating coils, valves, and similar enclosed appurtenances shall be considered "not safe" unless otherwise specifically designated. Movement of the vessel from its specific location voids the Certificate unless shifting of the vessel within the facility has been specifically authorized on this Certificate.

STANDARD SAFETY DESIGNATIONS: (partial list, paraphrased from NFPA 306, Subsections 4.3.1 through 4.3.6).

ATMOSPHERE SAFE FOR WORKERS: In the compartment or space so designated (a) the oxygen content of the atmosphere is at least 19.5 percent and not greater than 22 percent by volume; (b) the concentration of flammable materials is below 10 percent of the lower explosive limit; (c) any toxic materials in the atmosphere associated with cargo, fuel, tank coatings, inerting mediums, or fumigants are within permissible concentrations at the time of the inspection.

NOT SAFE FOR WORKERS: In the compartment or space so designated, entry is not permitted.

ENTER WITH RESTRICTIONS: In the compartment or space so designated, entry for work is permitted only if conditions of proper protective equipment, or clothing, or time, or all of the aforementioned, as appropriate, are as specified.

SAFE FOR HOT WORK: In the compartment or space so designated (a) the oxygen content of the atmosphere is not greater than 22 percent by volume; (b) the concentration of flammable materials in the atmosphere is less than 10 percent of the lower explosive limit; (c) the residues, scale, or preservative coatings are cleaned sufficiently to prevent the spread of fire and are not capable of producing a higher concentration than permitted by (a) or (b); (d) all adjacent spaces, containing or having contained flammable or combustible materials shall be sufficiently cleaned of residues, scale, or preservative coatings to prevent the spread of fire, or they are inerted. Ship's fuel tanks, lube tanks, or engine room or fire room bilges, or other machinery spaces, are treated in accordance with the Marine Chemist's requirements.

SAFE FOR LIMITED HOT WORK: In the compartment or space so designated (a) portions of the space meet the requirements for Safe for Hot Work and Partial Cleaning, as applicable, or (b) the space is inerted, adjacent spaces meet the requirements for Safe for Hot Work, and hot work is restricted to specific locations; (c) portions of the space shall meet the requirements for Safe for Hot Work, as applicable, and the nature or type of hot work is limited or restricted.

NOT SAFE FOR HOT WORK: In the compartment or space so designated, hot work is not permitted.

CHEMISTS ENDORSEMENT. This is to certify that I have personally determined that all spaces in the foregoing list are in accordance with NFPA 306 Control of Gas Hazards on Vessels and have found the condition of each to be in accordance with its assigned designation.

The undersigned acknowledges receipt of this Certificate under NFPA 306 and understands conditions and limitations under which it was issued, and the requirements for maintaining its validity.

This Certificate is based on conditions existing at the time the inspection herein set forth was completed and is issued subject to compliance with all qualifications and instructions.

Signed: *[Signature]*
Name: _____ Company: _____

MOINE BRO'S. 01 JUL '08
Date: _____

Signed: *[Signature]* #675
Marine Chemist: _____ Certificate No.: _____

ATTACHMENT D

Certificate of Destruction



MOINE BROS.

CONTRACTORS LIC. NO. 343468

CERTIFICATE OF DESTRUCTION

On this 2ND day of JULY (month), 20 08, empty tanks/
containers (as described below) were accepted by Moine Bros. and were cut/sheared
or otherwise processed for scrapping in a safe and legal manner according to
standard practices.

<u>Item</u>	<u>Size</u>	<u>Description</u>	<u>Source</u>
1	<u>12,000-GAL.</u>	<u>DOUBLE-WALL</u> <u>STEEL TANK</u>	<u>1725 SAN FRANCISCO AV., LONG BEACH</u>
2	<u>12,000-GAL.</u>	<u>"</u>	<u>"</u>
3	<u> </u>	<u> </u>	<u> </u>
4	<u> </u>	<u> </u>	<u> </u>
5	<u> </u>	<u> </u>	<u> </u>
6	<u> </u>	<u> </u>	<u> </u>
7	<u> </u>	<u> </u>	<u> </u>
8	<u> </u>	<u> </u>	<u> </u>
9	<u> </u>	<u> </u>	<u> </u>
10	<u> </u>	<u> </u>	<u> </u>

Moine Bros.

7/2/08

Date

ATTACHMENT E

Analytical Results

CAL TECH Environmental Laboratories



6814 Rosecrans Avenue, Paramount, CA 90723-3146
Telephone: (562) 272-2700 Fax: (562) 272-2789

ANALYTICAL RESULTS*

CTEL Project No: CT185-0807029
Client Name: Moine Bros.
521 East "D" Street
Wilmington, CA 90744
Attention: Mr. Virgil Cicoria

Phone: (310) 830-1570
Fax: (310) 830-1892

Project ID:
Project Name: 1725 San Francisco

Date Sampled: 07/02/08 @ 10:00 am
Date Received: 07/02/08 @ 14:30 p.m.
Date Analyzed: 07/04/08 - 07/05/08

Matrix: Soil

Laboratory ID:	0807-029-1	0807-029-2	0807-029-3	Method	Units:	Detection Limit
Client Sample ID:	D1	D2	D3			
Dilution	1	1	1			
Dichlorodifluoromethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Chloromethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Vinyl Chloride	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Bromomethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Chloroethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Trichlorofluoromethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Iodomethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Acetone	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,1-Dichloroethene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
t-Butyl Alcohol (TBA)	ND	ND	ND	EPA 8260B	mg/Kg	0.020
Methylene Chloride	ND	ND	ND	EPA 8260B	mg/Kg	0.02
Freon 113	ND	ND	ND	EPA 8260B	mg/Kg	0.01
Carbon disulfide	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Trans,1,2-Dichloroethene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Methyl tert-butyl ether (MtBE)	ND	ND	ND	EPA 8260B	mg/Kg	0.002
1,1-Dichloroethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Vinyl acetate	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Diisopropyl Ether (DIPE)	ND	ND	ND	EPA 8260B	mg/Kg	0.002
Methyl Ethyl Ketone	ND	ND	ND	EPA 8260B	mg/Kg	0.01
Cis,1,2-Dichloroethene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Bromochloromethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Chloroform	ND	ND	ND	EPA 8260B	mg/Kg	0.005
2,2-Dichloropropane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Ethyl-t-butyl ether (ETBE)	ND	ND	ND	EPA 8260B	mg/Kg	0.002
1,1,1-Trichloroethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,2-Dichloroethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,1-Dichloropropene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Carbon Tetrachloride	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Benzene	ND	ND	ND	EPA 8260B	mg/Kg	0.001
t-Amyl Methyl Ether (TAME)	ND	ND	ND	EPA 8260B	mg/Kg	0.002
1,2-Dichloropropane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Trichloroethene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Dibromomethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Bromodichloromethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
2-Chloroethylvinylether	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Cis, 1,3-Dichloropropene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
4-Methyl-2-pentanone (Ml)	ND	ND	ND	EPA 8260B	mg/Kg	0.01
Trans, 1,3-Dichloropropene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Toluene	ND	ND	ND	EPA 8260B	mg/Kg	0.001
1,1,2-Trichloroethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005

TOTALLY DEDICATED TO CUSTOMER SATISFACTION

CTEL Project No: CT185-0807029

Project ID:
Project Name: 1725 San Francisco

Laboratory ID: Client Sample ID:	0807-029-1 D1	0807-029-2 D2	0807-029-3 D3	Method	Units	Detection Limit
1,2-Dibromoethane(EDB)	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,3-Dichloropropane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Dibromochloromethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
2-Hexanone	ND	ND	ND	EPA 8260B	mg/Kg	0.01
Tetrachloroethene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Chlorobenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,1,1,2-Tetrachloroethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Ethylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.001
m,p-Xylene	ND	ND	ND	EPA 8260B	mg/Kg	0.001
Bromoform	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Styrene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
o-Xylene	ND	ND	ND	EPA 8260B	mg/Kg	0.001
1,1,2,2-Tetrachloroethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,2,3-Trichloropropane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Isopropylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Bromobenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
2-Chlorotoluene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
n-Propylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
4-Chlorotoluene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,3,5-Trimethylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Tert-Butylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,2,4-Trimethylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Sec-Butylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,3-Dichlorobenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,4-Dichlorobenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
p-Isopropyltoluene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,2-Dichlorobenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
n-Butylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,2-Dibromo-3-Chloropropane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,2,4-Trichlorobenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Naphthalene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,2,3-Trichlorobenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Hexachlorobutadiene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Ethanol	ND	ND	ND	EPA 8260B	mg/Kg	0.1
Carbon Chain (C5~C12)	ND	ND	ND	LUFT	mg/Kg	0.1
Carbon Chain (C13~C24)	ND	ND	ND	LUFT	mg/Kg	1
Carbon Chain (C25~C40)	ND	ND	ND	LUFT	mg/Kg	5

ND = Not Detected at the indicated Detection Limit

SURROGATE SPIKE	% SURROGATE RECOVERY			Control Limit
Dibromofluoromethane	84	82	107	70-130
1,2-Dichloromethane ⁴	89	88	95	70-130
Toluene-d8	109	102	88	70-130
Bromofluorobenzene	77	97	89	70-130

CTEL Project No: CT185-0807029
 Client Name: Moine Bros.
 521 East "D" Street
 Wilmington, CA 90744
 Attention: Mr. Virgil Cicoria

Phone: (310) 830-1570
 Fax: (310) 830-1892

Project ID:
 Project Name: 1725 San Francisco

Date Sampled: 07/02/08 @ 10:00 am
 Date Received: 07/02/08 @ 14:30 p.m.
 Date Analyzed: 07/04/08 - 07/05/08

Matrix: Soil

Laboratory ID:	0807-029-4	0807-029-5	0807-029-6	Method	Units:	Detection Limit
Client Sample ID:	D4	T1N	T1S			
Dilution	1	1	1			
Dichlorodifluoromethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Chloromethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Vinyl Chloride	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Bromomethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Chloroethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Trichlorofluoromethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Iodomethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Acetone	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,1-Dichloroethene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
t-Butyl Alcohol (TBA)	ND	ND	ND	EPA 8260B	mg/Kg	0.020
Methylene Chloride	ND	ND	ND	EPA 8260B	mg/Kg	0.02
Freon 113	ND	ND	ND	EPA 8260B	mg/Kg	0.01
Carbon disulfide	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Trans,1,2-Dichloroethene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Methyl tert-butyl ether (MtBE)	ND	ND	ND	EPA 8260B	mg/Kg	0.002
1,1-Dichloroethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Vinyl acetate	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Diisopropyl Ether (DIPE)	ND	ND	ND	EPA 8260B	mg/Kg	0.002
Methyl Ethyl Ketone	ND	ND	ND	EPA 8260B	mg/Kg	0.01
Cis,1,2-Dichloroethene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Bromochloromethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Chloroform	ND	ND	ND	EPA 8260B	mg/Kg	0.005
2,2-Dichloropropane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Ethyl-t-butyl ether (ETBE)	ND	ND	ND	EPA 8260B	mg/Kg	0.002
1,1,1-Trichloroethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,2-Dichloroethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,1-Dichloropropene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Carbon Tetrachloride	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Benzene	ND	ND	ND	EPA 8260B	mg/Kg	0.001
t-Amyl Methyl Ether (TAME)	ND	ND	ND	EPA 8260B	mg/Kg	0.002
1,2-Dichloropropane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Trichloroethene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Dibromomethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Bromodichloromethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
2-Chloroethyl vinyl ether	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Cis, 1,3-Dichloropropene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
4-Methyl-2-pentanone (M1)	ND	ND	ND	EPA 8260B	mg/Kg	0.01
Trans,1,3-Dichloropropene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Toluene	ND	ND	ND	EPA 8260B	mg/Kg	0.001
1,1,2-Trichloroethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005

CTEL Project No. CT185-0807029

Project ID:
Project Name: 1725 San Francisco

Laboratory ID: Client Sample ID:	0807-029-4 D4	0807-029-5 T1N	0807-029-6 T1S	Method	Units	Detection Limit
1,2-Dibromoethane(EDB)	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,3-Dichloropropane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Dibromochloromethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
2-Hexanone	ND	ND	ND	EPA 8260B	mg/Kg	0.01
Tetrachloroethene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Chlorobenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,1,1,2-Tetrachloroethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Ethylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.001
m,p-Xylene	ND	ND	ND	EPA 8260B	mg/Kg	0.001
Bromoform	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Styrene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
o-Xylene	ND	ND	ND	EPA 8260B	mg/Kg	0.001
1,1,2,2-Tetrachloroethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,2,3-Trichloropropane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Isopropylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Bromobenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
2-Chlorotoluene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
n-Propylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
4-Chlorotoluene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,3,5-Trimethylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Tert-Butylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,2,4-Trimethylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Sec-Butylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,3-Dichlorobenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,4-Dichlorobenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
p-Isopropyltoluene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,2-Dichlorobenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
n-Butylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,2-Dibromo-3-Chloropropane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,2,4-Trichlorobenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Naphthalene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,2,3-Trichlorobenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Hexachlorobutadiene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Ethanol	ND	ND	ND	EPA 8260B	mg/Kg	0.1
Carbon Chain (C5~C12)	ND	ND	ND	LUFT	mg/Kg	0.1
Carbon Chain (C13~C24)	ND	ND	ND	LUFT	mg/Kg	1
Carbon Chain (C25~C40)	ND	ND	ND	LUFT	mg/Kg	5

ND = Not Detected at the indicated Detection Limit

SURROGATE SPIKE	% SURROGATE RECOVERY			Control Limit
Dibromofluoromethane	101	101	111	70-130
1,2-Dichloromethaned4	88	89	83	70-130
Toluene-d8	90	90	87	70-130
Bromofluorobenzene	94	92	93	70-130

CTFL Project No: CT185-0807029
Client Name: Moine Bros.
 521 East "D" Street
 Wilmington, CA 90744
Attention: Mr. Virgil Cicoria

Phone: (310) 830-1570
Fax: (310) 830-1892

Project ID:
Project Name: 1725 San Francisco

Date Sampled: 07/02/08 @ 10:00 am
Date Received: 07/02/08 @ 14:30 p.m.
Date Analyzed: 07/04/08 - 07/05/08

Matrix: Soil

Laboratory ID:	0807-029-7	0807-029-8	Method	Units:	Detection Limit
Client Sample ID:	T2N	T2S			
Dilution	1	1			
Dichlorodifluoromethane	ND	ND	EPA 8260B	mg/Kg	0.005
Chloromethane	ND	ND	EPA 8260B	mg/Kg	0.005
Vinyl Chloride	ND	ND	EPA 8260B	mg/Kg	0.005
Bromomethane	ND	ND	EPA 8260B	mg/Kg	0.005
Chloroethane	ND	ND	EPA 8260B	mg/Kg	0.005
Trichlorofluoromethane	ND	ND	EPA 8260B	mg/Kg	0.005
Iodomethane	ND	ND	EPA 8260B	mg/Kg	0.005
Acetone	ND	ND	EPA 8260B	mg/Kg	0.005
1,1-Dichloroethene	ND	ND	EPA 8260B	mg/Kg	0.005
t-Butyl Alcohol (TBA)	ND	ND	EPA 8260B	mg/Kg	0.020
Methylene Chloride	ND	ND	EPA 8260B	mg/Kg	0.02
Freon 113	ND	ND	EPA 8260B	mg/Kg	0.01
Carbon disulfide	ND	ND	EPA 8260B	mg/Kg	0.005
Trans,1,2-Dichloroethene	ND	ND	EPA 8260B	mg/Kg	0.005
Methyl-tert-butyl-ether (MtBE)	ND	ND	EPA 8260B	mg/Kg	0.002
1,1-Dichloroethane	ND	ND	EPA 8260B	mg/Kg	0.005
Vinyl acetate	ND	ND	EPA 8260B	mg/Kg	0.005
Diisopropyl Ether (DIPE)	ND	ND	EPA 8260B	mg/Kg	0.002
Methyl Ethyl Ketone	ND	ND	EPA 8260B	mg/Kg	0.01
Cis,1,2-Dichloroethene	ND	ND	EPA 8260B	mg/Kg	0.005
Bromochloromethane	ND	ND	EPA 8260B	mg/Kg	0.005
Chloroform	ND	ND	EPA 8260B	mg/Kg	0.005
2,2-Dichloropropane	ND	ND	EPA 8260B	mg/Kg	0.005
Ethyl-t-butyl ether (ETBE)	ND	ND	EPA 8260B	mg/Kg	0.002
1,1,1-Trichloroethane	ND	ND	EPA 8260B	mg/Kg	0.005
1,2-Dichloroethane	ND	ND	EPA 8260B	mg/Kg	0.005
1,1-Dichloropropene	ND	ND	EPA 8260B	mg/Kg	0.005
Carbon Tetrachloride	ND	ND	EPA 8260B	mg/Kg	0.005
Benzene	ND	ND	EPA 8260B	mg/Kg	0.001
t-Amyl Methyl Ether (TAME)	ND	ND	EPA 8260B	mg/Kg	0.002
1,2-Dichloropropane	ND	ND	EPA 8260B	mg/Kg	0.005
Trichloroethene	ND	ND	EPA 8260B	mg/Kg	0.005
Dibromomethane	ND	ND	EPA 8260B	mg/Kg	0.005
Bromodichloromethane	ND	ND	EPA 8260B	mg/Kg	0.005
2-Chloroethylvinylether	ND	ND	EPA 8260B	mg/Kg	0.005
Cis, 1,3-Dichloropropene	ND	ND	EPA 8260B	mg/Kg	0.005
4-Methyl-2-pentanone (Ml)	ND	ND	EPA 8260B	mg/Kg	0.01
Trans,1,3-Dichloropropene	ND	ND	EPA 8260B	mg/Kg	0.005
Toluene	ND	ND	EPA 8260B	mg/Kg	0.001
1,1,2-Trichloroethane	ND	ND	EPA 8260B	mg/Kg	0.005

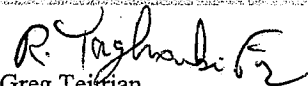
CHBL Project No. CT185-0807029

Project ID:
Project Name: 1725 San Francisco

Laboratory ID: Client Sample ID:	0807-029-7 T2N	0807-029-8 T2S	Method	Units	Detection Limit
1,2-Dibromoethane(EDB)	ND	ND	EPA 8260B	mg/Kg	0.005
1,3-Dichloropropane	ND	ND	EPA 8260B	mg/Kg	0.005
Dibromochloromethane	ND	ND	EPA 8260B	mg/Kg	0.005
2-Hexanone	ND	ND	EPA 8260B	mg/Kg	0.01
Tetrachloroethene	ND	ND	EPA 8260B	mg/Kg	0.005
Chlorobenzene	ND	ND	EPA 8260B	mg/Kg	0.005
1,1,1,2-Tetrachloroethane	ND	ND	EPA 8260B	mg/Kg	0.005
Ethylbenzene	ND	ND	EPA 8260B	mg/Kg	0.001
m,p-Xylene	ND	ND	EPA 8260B	mg/Kg	0.001
Bromoform	ND	ND	EPA 8260B	mg/Kg	0.005
Styrene	ND	ND	EPA 8260B	mg/Kg	0.005
o-Xylene	ND	ND	EPA 8260B	mg/Kg	0.001
1,1,2,2-Tetrachloroethane	ND	ND	EPA 8260B	mg/Kg	0.005
1,2,3-Trichloropropane	ND	ND	EPA 8260B	mg/Kg	0.005
Isopropylbenzene	ND	ND	EPA 8260B	mg/Kg	0.005
Bromobenzene	ND	ND	EPA 8260B	mg/Kg	0.005
2-Chlorotoluene	ND	ND	EPA 8260B	mg/Kg	0.005
n-Propylbenzene	ND	ND	EPA 8260B	mg/Kg	0.005
4-Chlorotoluene	ND	ND	EPA 8260B	mg/Kg	0.005
1,3,5-Trimethylbenzene	ND	ND	EPA 8260B	mg/Kg	0.005
Tert-Butylbenzene	ND	ND	EPA 8260B	mg/Kg	0.005
1,2,4-Trimethylbenzene	ND	ND	EPA 8260B	mg/Kg	0.005
Sec-Butylbenzene	ND	ND	EPA 8260B	mg/Kg	0.005
1,3-Dichlorobenzene	ND	ND	EPA 8260B	mg/Kg	0.005
1,4-Dichlorobenzene	ND	ND	EPA 8260B	mg/Kg	0.005
p-Isopropyltoluene	ND	ND	EPA 8260B	mg/Kg	0.005
1,2-Dichlorobenzene	ND	ND	EPA 8260B	mg/Kg	0.005
n-Butylbenzene	ND	ND	EPA 8260B	mg/Kg	0.005
1,2-Dibromo-3-Chloropropane	ND	ND	EPA 8260B	mg/Kg	0.005
1,2,4-Trichlorobenzene	ND	ND	EPA 8260B	mg/Kg	0.005
Naphthalene	ND	ND	EPA 8260B	mg/Kg	0.005
1,2,3-Trichlorobenzene	ND	ND	EPA 8260B	mg/Kg	0.005
Hexachlorobutadiene	ND	ND	EPA 8260B	mg/Kg	0.005
Ethanol	ND	ND	EPA 8260B	mg/Kg	0.1
Carbon Chain (C5~C12)	ND	ND	LUFT	mg/Kg	0.1
Carbon Chain (C13~C24)	ND	ND	LUFT	mg/Kg	1
Carbon Chain (C25~C40)	ND	ND	LUFT	mg/Kg	5

ND = Not Detected at the indicated Detection Limit

SURROGATE SPIKE	% SURROGATE RECOVERY		Control Limit
Dibromofluoromethane	117	117	70-130
1,2-Dichloromethane d4	88	86	70-130
Toluene-d8	82	83	70-130
Bromofluorobenzene	86	97	70-130


Greg Tejirian
Laboratory Director

*The results are base upon the sample received.

Cal Tech Environmental Laboratories, Inc. ELAP ID #: 2424

Lab Job No. 07-029

Page 1 of 1

Chain of Custody Record

Client:

Moine Bros

Phone:

(310) 830-1570

Turn Around Time

Contact:

Wesley

Fax:

830-1872

Rush

Address:

Normal

Project:

1725 San Francisco

Sampled By:

Paul Hyatt

Name/Signature

Analyses Requested

Comments

Lab ID Number	Field ID	Date/Time Sampled	Bottle Type	No.	Preserv.	Matrix										
D1		7-2-08	5035	1	Chilled	soil	X	X								
D2				1			X	X								
D3				1			X	X								
D4				1			X	X								
T1N				1			X	X								
T1S				1			X	X								
T2N				1			X	X								
T2S				1			X	X								

Relinquished:

Paul Hyatt

Date / Time:

Received:

Dispatched:

Date / Time:

Carrier:

I hereby authorize the performance of the above indicated tests.

Paul Hyatt

Date / Time:

7-2-08 / 2:00 PM

Received by lab:

NO

NON

C:\E\CCR.DXX

Custody seal(s) in tact upon receipt by lab?

YES

NO

NON

TOTAL P.07

**GROUNDWATER MONITORING REPORT
FORMER LONG BEACH CITY TOW YARD
901 WEST ANAHEIM STREET
LONG BEACH, CALIFORNIA**

Prepared for:

Long Beach Redevelopment Agency

c/o Mr. Craig Justesen
Overland, Pacific & Cutler, Inc.
3750 Schauffele Avenue, Suite 150
Long Beach, CA 90808
(562) 304-2000

Prepared by:

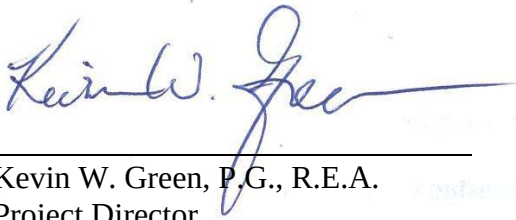
SCS ENGINEERS
3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806
(562) 426-9544

April 2010
File No. 01209295.00

This Groundwater Monitoring Report for the Former Long Beach City Tow Yard at 901 West Anaheim Street, Long Beach, California, dated April 2010, was prepared and reviewed by the following, in connection with the February 18, 2010, groundwater sampling event:



Paola Gómez-Birenbaum, GIT
Project Geologist



Kevin W. Green, P.G., R.E.A.
Project Director

SCS ENGINEERS

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- C Certified Declaration for Compliance with Fee Title Holder Notification Requirements

LIMITATIONS/DISCLAIMER

This report has been prepared specifically for Overland, Pacific & Cutler, Inc, on behalf of the Long Beach Redevelopment Agency, with specific application to groundwater monitoring related to a former underground gasoline storage tank at the former Long Beach City Tow Yard site located at 901 West Anaheim Street in Long Beach, California. This document has been prepared in accordance with the care and skill generally exercised by reputable professionals, under similar circumstances, in this or similar localities. No other warranty, expressed or implied, is made as to the professional opinions presented herein. Third parties use this report at their own risk. SCS assumes no responsibility for the accuracy of information obtained from, compiled or provided by outside sources. Changes in site use and conditions may occur due to variations in rainfall, temperature, water usage, economic, or other factors. This report is not a legal opinion.

1 INTRODUCTION

SCS Engineers (SCS) was retained by Overland, Pacific & Cutler, Inc, on behalf of the Long Beach Redevelopment Agency, to prepare this groundwater monitoring report for the former Long Beach City Tow Yard located at 901 West Anaheim Street, Long Beach, California (the "Property," **Figures 1 and 2**). This report is submitted pursuant to the request in a letter dated December 28, 2009, from the Los Angeles Regional Water Quality Control Board (LARWQCB). This letter requested an additional round of groundwater monitoring, as well as additional information and requests as discussed below.

2 LARWQCB ADDITIONAL REQUESTS

Information and other requests by the LARWQCB are discussed below:

- Current land use on the Property and the adjacent properties – The Property was historical a part of the City of Long Beach Tow Yard; it is currently a part of the City of Long Beach Public Service Yard. The Los Angeles River and Flood Control Channel is located to the west. Other portions of the Long Beach Public Service Yard are located north and south. San Francisco Avenue is located to the east, across which is an industrial and commercial area. A map showing the Property and surrounding land use is provided as **Figure 2**.
- Description of previous soil remediation activities on the Property – The previous work conducted on the Property is summarized in the section below.
- Property Owner Information – The Property and all of the immediately adjacent parcels are owned by the City of Long Beach. Only City of Long Beach property is impacted by the release from the Property. A *Certified Declaration for Compliance with Fee Title Holder Notification Requirements* form, completed and signed by city personnel, is provided in **Appendix C**.
- The role of Mr. John Cutler of Overland, Pacific & Cutler, Inc. – Mr. John Cutler was the property owner's representative. In this capacity, he was copied on past correspondence associated with the Property. The new property owner representative is Mr. Craig Justesen of Overland, Pacific & Cutler, Inc.
- Submission of past reports to the State GeoTracker Internet Database – On February 10, 2010, previous reports referenced below were uploaded to the GeoTracker database. This report will be uploaded to the Geotracker database concurrent with submittal to the LARWQCB.

3 BACKGROUND

SCS was provided copies of three previous reports by other environmental consultants. Since then, four reports of investigation and groundwater monitoring have been prepared by SCS, as discussed below.

MANESS ENVIRONMENTAL SERVICES, NOVEMBER 1995

An *Underground Storage Tank Closure Report*, dated November 2, 1995, prepared by Maness Environmental Service, Inc. (Maness), indicated that on August 30, 1995, a gasoline 550-gallon UST was cleaned and removed from the Property. Two soil samples were collected during the tank removal: one from below the UST excavation and one from a soil stockpile. Analytical results indicated that gasoline-range organics at a concentration of 7,500 milligrams per kilograms (mg/kg) were detected in soils beneath the UST. Groundwater was reportedly encountered at 8 to 10 feet below ground surface (bgs) during the tank excavation. Approximately 150 gallons of UST rinsate was transported from the Property. The report indicates that soils were also removed, although the source and volume of the soils were not provided. Based on the analytical results, Maness recommended characterizing the lateral and vertical extent of the soil impacted by hydrocarbons in the vicinity of the UST.

EPICS INTERNATIONAL, JANUARY 1996

A *Final Site Characterization Report for the Phase II Environmental Assessment of Gasoline-Impacted Soils* was prepared by Epics International (Epics) on January 31, 1996, and indicated that six soil borings (B1-B6; on **Figure 3**) were advanced to depths ranging from 5 to 13 feet bgs in the area surrounding the former UST. Reportedly, 13 soil samples (two from each boring - one shallow and one deep - plus a third from B2), and five groundwater samples (from the 10-foot depth of each boring except for B4), were collected and analyzed. Three additional soil samples were collected: one from each of the north and south sidewalls of the Maness excavation (discussed above) at a depth of six feet bgs, and one from under the center of the excavation at a depth of 10 feet bgs.

Laboratory analyses from the Epics investigation reportedly detected TPH-g and TPH as diesel (TPH-d) in soil (concentrations up to 5,500 mg/kg for TPH-g, and 530 mg/kg for TPH-d) and groundwater (concentrations up to 3,400 milligrams per liter [mg/L] for TPH-g, and 600 mg/L for TPH-d). BTEX were also detected in soils at concentrations up to 27, 48, 110, and 540 mg/kg, respectively, and in groundwater with concentrations up to 18, 42.4, 108, and 703 mg/L, respectively. The highest concentrations of TPH-g, TPH-d and BTEX in soils were found at the B5 location. The highest concentrations of TPH-g, TPH-d, ethyl benzene, and xylenes in groundwater were found at the B1 location; and the highest concentrations of benzene and toluene in groundwater were detected at the B5 location. Based on the sample analysis, Epics recommended excavating the soil in the "immediate area of the former tank location" to a depth of approximately 8 feet bgs or until groundwater is encountered, whichever was shallower. Epics also recommended installing three groundwater monitoring wells to determine the direction of groundwater flow and to monitor the impact to the groundwater.

THE REYNOLDS GROUP, NOVEMBER 2001

A *Workplan to Advance Geoprobos and Install Groundwater Monitoring Wells* was prepared by The Reynolds Group (TRG), dated November 15, 2001 and submitted to the LARWQCB. The workplan summarized the Maness 1995 and the Epics 1996 reports. The workplan proposed the

advancement of six borings to collect soil and groundwater samples and three groundwater monitoring wells.

SCS ENGINEERS, OCTOBER 2005

The TRG workplan was approved by the LARQCB in a letter dated February 19, 2002. In June 2005, under the oversight of SCS, six borings were advanced to a depth of 14 feet bgs. Soil samples were analyzed for TPH-g and volatile organic compounds (VOCs). Groundwater was encountered at approximately 12 feet bgs. Groundwater samples were also collected from each of the borings and analyzed for TPH-g and VOCs. In July 2005, three groundwater monitoring wells were installed on the Property in the vicinity of the former UST. Soil samples were also collected and analyzed during the installation of the wells. In August 2005, groundwater flow was towards the southeast.

Soils in the area of the former UST were impacted with TPH-g (up to 1,500 mg/kg), benzene (up to 300 micrograms per kilogram [ug/kg]), ethylbenzene (up to 34,000 ug/kg), and xylenes (up to 34,000 ug/kg). Groundwater samples collected from the monitoring wells indicated concentrations of TPH-g (up to 0.189 mg/L), ethylbenzene (up to 1.2 micrograms per liter [ug/L]), xylenes (up to 4.8 ug/L), methyl tert butyl ether (MTBE, up to 3.9 ug/L), and tert butyl alcohol (TBA, up to 38.8 ug/L).

SCS concluded that impacts to the soil did not appear to have resulted in significant impact to the groundwater, and recommended continued groundwater monitoring to establish a baseline of data that could be used to justify closure by the LARWQCB. SCS also recommended that soil remediation should be conducted with proposed future development, so that remediation goals would be consistent with future use.

SCS ENGINEERS, APRIL 2006

In March 2006, groundwater was collected from the three monitoring wells on the Property. The groundwater was analyzed for TPH-g and VOCs. In March 2006, groundwater flow was towards the southeast. Groundwater samples collected from the monitoring wells indicated concentrations of TPH-g (up to 0.402 mg/L), benzene (up to 15.8 ug/L), ethylbenzene (up to 18.0 ug/L), xylenes (up to 5.8 ug/L), and MTBE (up to 2.8 ug/L). SCS concluded that the groundwater monitoring results were similar to the previous event.

SCS ENGINEERS, JULY 2006

In June 2006, groundwater was collected from the three monitoring wells on the Property. The groundwater was analyzed for TPH-g and VOCs. In June 2006, groundwater flow was towards the southeast. Groundwater samples collected from the monitoring wells indicated concentrations of TPH-g (up to 1.840 mg/L), benzene (up to 45.8 ug/L), ethylbenzene (up to 50.8 ug/L), xylenes (up to 9.4 ug/L), and MTBE (up to 1.3 ug/L). SCS concluded that the groundwater monitoring results were similar to previous events.

SCS ENGINEERS, OCTOBER 2006

In September 2006, groundwater was collected from the three monitoring wells and analyzed for TPH-g and VOCs. In September 2006, groundwater flow was towards the southeast. Groundwater samples collected from the monitoring wells indicated concentrations of TPH-g (up to 1.03 mg/L), benzene (up to 36.7 ug/L), ethylbenzene (up to 58.7 ug/L), xylenes (up to 4.4 ug/L), and MTBE (up to 2.0 ug/L). SCS concluded that the groundwater monitoring results were similar to previous events and that further monitoring was not warranted.

4 GEOLOGIC, HYDROLOGIC, AND TOPOGRAPHIC INFORMATION

PHYSIOGRAPHIC SETTING

According to the U.S. Geological Survey (USGS), Long Beach (1964, photorevised 1981), California 7.5 minute topographic map, the Property is located immediately east of the Los Angeles River at an elevation of approximately five feet above mean sea level, about 1.3 miles north of San Pedro Bay. Regional topography is relatively flat with a gentle slope to the west.

GEOLOGY AND SOILS

Geologic maps indicate that surface sediments in the area are Quaternary alluvium and coastal deposits of silt, sand, and gravel that are underlain by the late Pleistocene Lakewood Formation. The Lakewood Formation, which consists of gravel, sand, sandy silt, silt and clay with shale pebbles, extends to a depth of approximately 100 feet (CDWR, 1961). Sediments below the Lakewood Formation belong to the late Pleistocene San Pedro Formation.

GROUNDWATER

The Property is located in the southern portion of the West Coast Groundwater Basin. The first regional groundwater aquifer is the Gaspur, which immediately overlies the Lakewood Formation. First groundwater in the vicinity of the Property is approximately 10 feet below grade (CDWR, 1961). There are no known regional groundwater contamination problems in this area. However, shallow groundwater has locally been impacted by saltwater intrusion; therefore, it is not used as a drinking water source. Previous monitoring indicates that groundwater flow is generally southeasterly.

5 SEMI-ANNUAL 2010 GROUNDWATER MONITORING

Groundwater wells MW1 through MW3 were monitored for groundwater elevations and sampled on February 18, 2010. Prior to purging any well, static water levels were measured from a marked reference point using an electronic oil/water interface probe. Groundwater elevation information is provided on **Table 1**. Groundwater was measured at depths between 3.90 and 4.98 feet bgs in the three wells (**Figure 4**); no free hydrocarbon product was detected.

Figure 4 is a site map showing groundwater elevations at the wells, groundwater contours, and the inferred groundwater flow direction in February 2010. Groundwater flow direction was determined towards the southeast with a gradient averaging approximately 0.0010 feet/foot.

Each of the monitored wells was purged and sampled with a portable “low flow” QED bladder pump. The wells were purged until field monitoring parameters (specific conductance [EC], temperature, and pH) stabilized. Water levels, purge volume, field monitoring parameters, and the date and time of all measurements were recorded on field data sheets (**Appendix A**). Samples were collected without headspace, labeled, and placed in coolers for transport to Advanced Environmental Testing Laboratory, Inc (AETL) in Burbank, California. Samples were tracked from point of collection through the laboratory using standard chain-of-custody protocol. Samples from each well were analyzed by AETL for TPH-g, TPH-d, and VOCs including fuel oxygenates using EPA Methods 8015M and 8260B, respectively.

All non-disposable equipment entering the well bores (pumps, bailers, field meters, etc.) was thoroughly decontaminated initially and between wells by cleaning with a laboratory grade detergent in clean potable water, and double rinsing with deionized water. Purge water generated during the project was placed in a 55-gallon DOT drum, sealed, labeled, and stored on the Property for later disposal.

ANALYTICAL RESULTS

The laboratory report, chain-of-custody documentation, and quality assurance/quality control (QA/QC) data from AETL are provided in **Appendix B**. A summary of the groundwater well analytical results is provided in **Table 2**.

TPH-g was detected in all three monitoring wells at concentrations ranging from 0.0087 to 0.352 mg/L (in MW3). A map showing TPH-g contours is provided as **Figure 5**. TPH-d was only detected in the sample from MW3 at a concentration of 0.263 mg/L (below the laboratory quantification limit). A total of eight VOCs were detected in groundwater. As shown in **Table 2**, only benzene in MW3 at 13.5 ug/L exceeded its MCL (maximum contaminant level) of 1 ug/L. Benzene was the only VOC detected in all three wells. A map showing benzene contours is provided as **Figure 6**.

6 CONCLUSIONS AND RECOMMENDATIONS

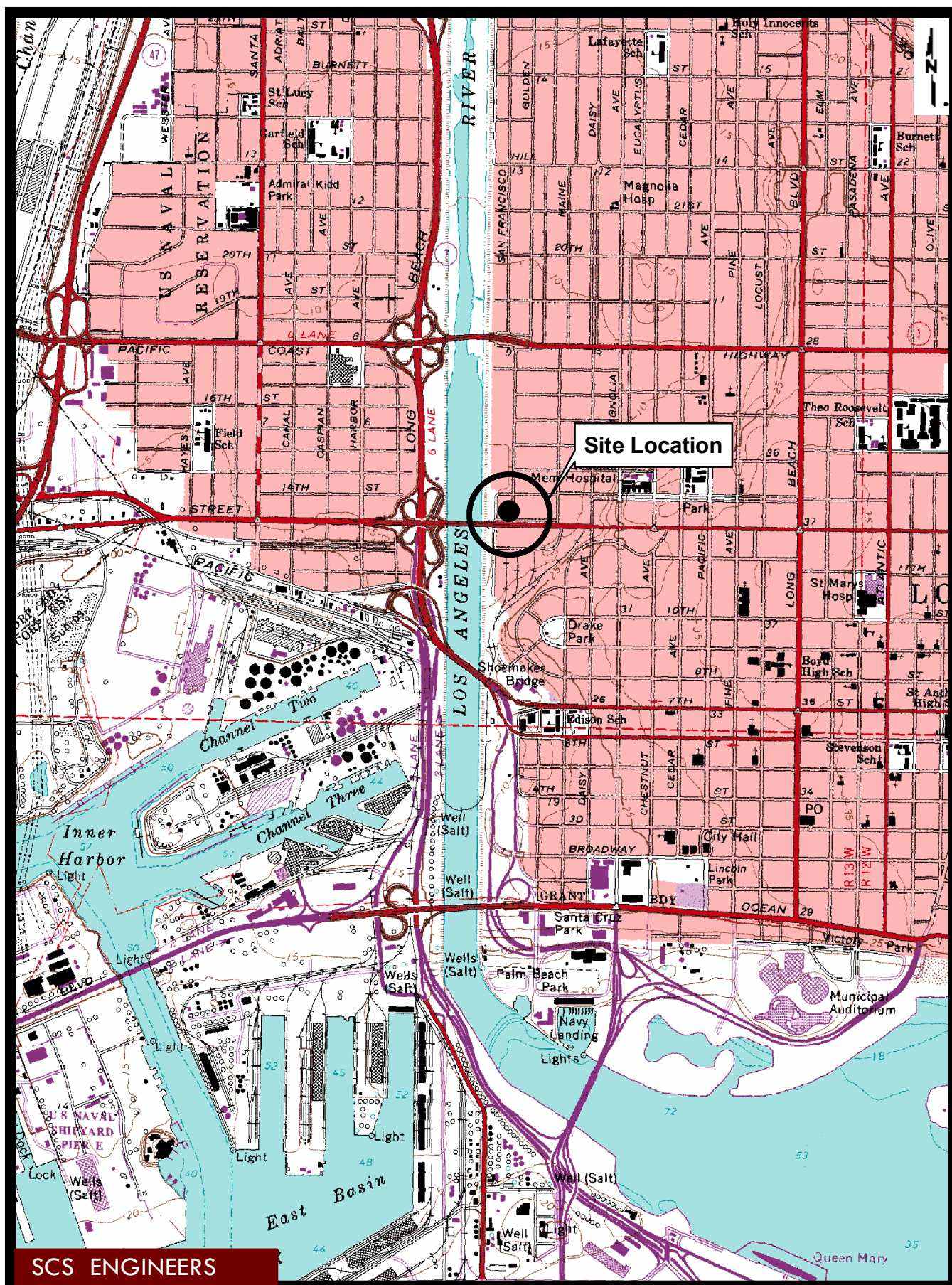
Historical information indicates that residual hydrocarbon concentrations in soil are above generally-accepted cleanup goals and that remediation of soils is therefore warranted. SCS has recommended that soil remediation be conducted with proposed future development, so that remediation goals would be consistent with future use.

The current concentrations of fuel-related constituents in groundwater are similar to or lower than concentrations from the 2006 groundwater monitoring events. SCS believes further investigation or monitoring is not warranted and that the data support closure for groundwater.

7 REFERENCES

- EPICS International. *Final Site Characterization Report for the Phase II Environmental Assessment of Gasoline-Impacted Soils*. January 31, 1996.
- Los Angeles Regional Water Quality Control Board. *Interim Site Assessment and Cleanup Guidebook*. May 1996.
- Los Angeles Regional Water Quality Control Board. *Underground Storage Tank Program-Soil And Groundwater Assessment Long Beach City Tow Yard 901 West Anaheim Street, Long Beach (Case #908130498)*, February 19, 2002.
- California Department of Water Resources. *Planned Utilization of the Ground Water Basins of the Coastal Plain of Los Angeles County*. Bulletin No. 104. 1961; reprinted April 1988.
- Maness Environmental Services, Inc. *Underground Storage Tank Closure Report, City of Long Beach Towing, 901 West Anaheim Street, Long Beach, California*. November 2, 1995.
- The Reynolds Group. *Workplan to Advance Geoprobes and Install Groundwater Monitoring Wells*, November 15, 2001.
- SCS Engineers. *Groundwater Investigation Report, Former Long Beach City Tow Yard, 901 West Anaheim, (APN 7271-007-902), Long Beach, California, (LARWQCB No. 908130498)*. October 17, 2005.
- SCS Engineers. *First Quarter 2006 Groundwater Monitoring, 901 West Anaheim, Long Beach, California*. April 17, 2006.
- SCS Engineers. *Second Quarter 2006 Groundwater Monitoring, 901 West Anaheim, Long Beach, California*. July 18, 2006.
- SCS Engineers. *Third Quarter 2006 Groundwater Monitoring, 901 West Anaheim, Long Beach, California*. October 16, 2006.
- United States Geological Survey, *Long Beach, CA 7.5 Minute Topographic Series Map* (1964, Photorevised 1981).

FIGURES

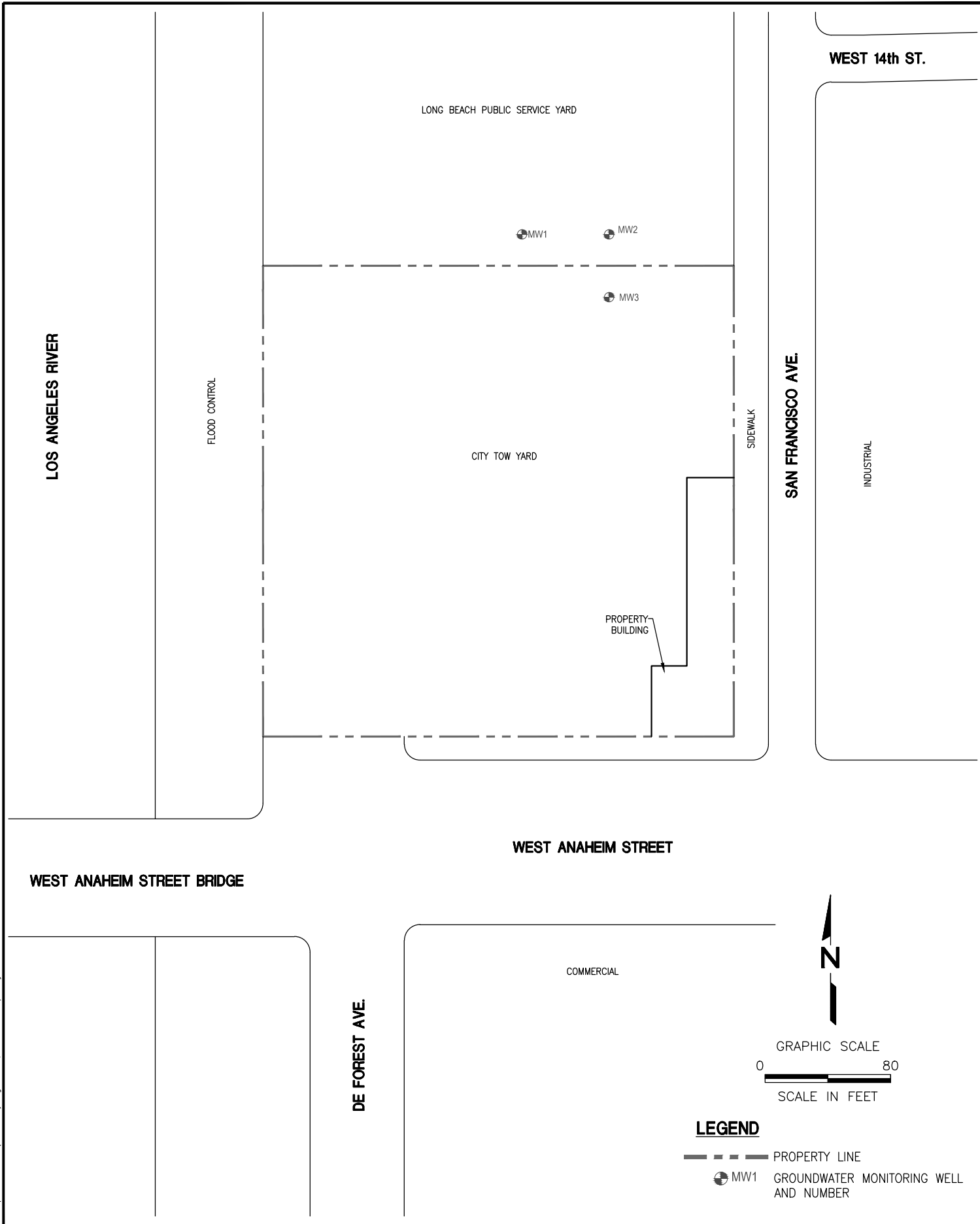


USGS 7.5 Series Quadrangle Map
 Long Beach, CA, 1978
 UTM Zone 11, NAD27
 Project #0120295.00

Figure 1
901 West Anaheim Street
Long Beach, California

0 1,000 2,000
 Feet
 1 inch = 2,000 feet

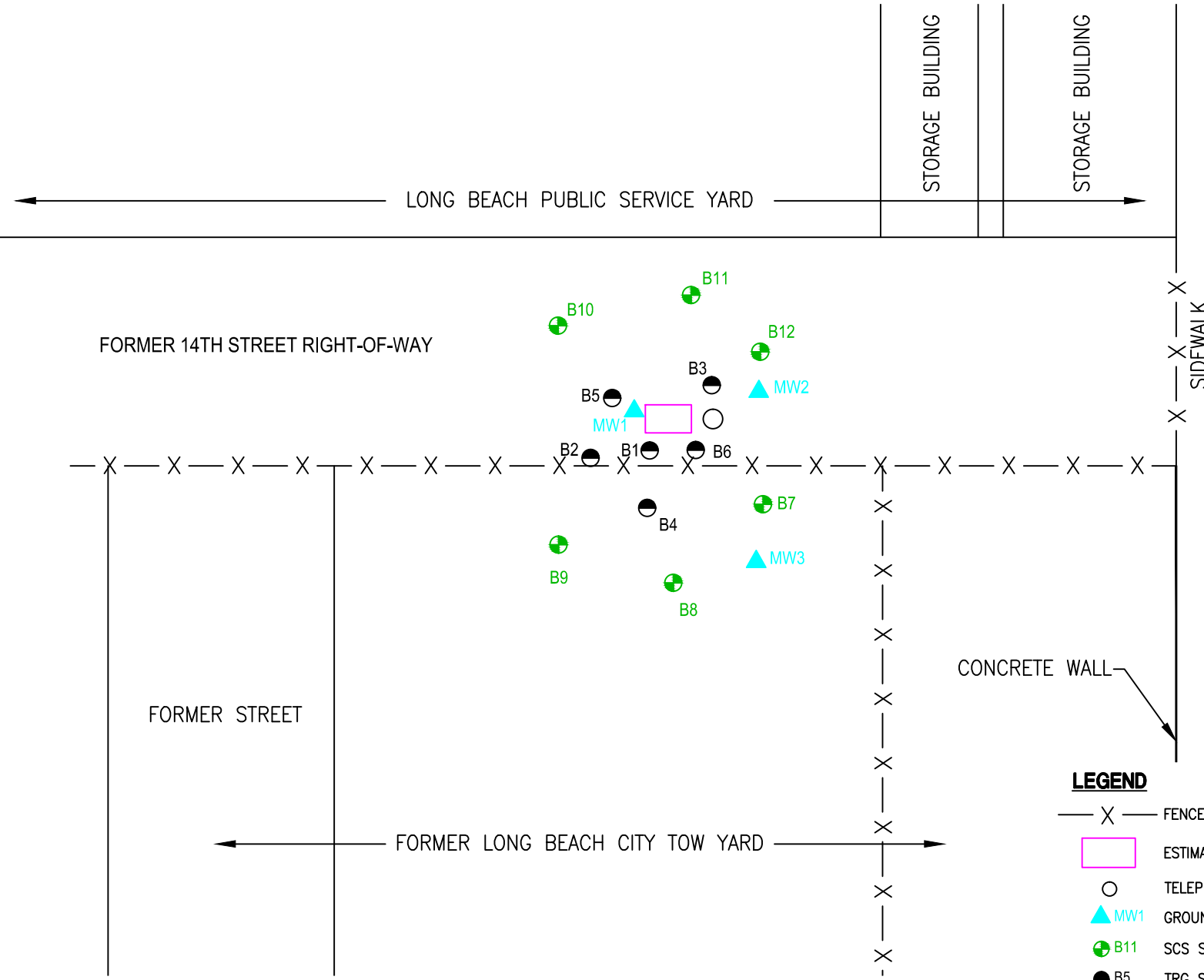
U:\Engineers\LAURIE\CS GROUP\01209295.00 (FIGURE 2).dwg Mar 12, 2010 - 12:3pm By: 2409lcl



SCS ENGINEERS ENVIRONMENTAL CONSULTANTS 3900 KILROY AIRPORT WAY, SUITE 100 LONG BEACH, CA 90806 PH. (562) 426-9544 FAX. (562) 427-0805			CLIENT: CITY OF LONG BEACH c/o MR. CRAIG JUSTESEN OVERLAND, PACIFIC and CUTLER, INC. 3750 SCHAUFEE AVENUE, SUITE 150 LONG BEACH, CA 90808 (562) 304-2000	SHEET TITLE: GROUNDWATER ELEVATION MAP, FEBRUARY 18, 2010		DATE: 03-11-2010
PROJECT TITLE: GROUNDWATER MONITORING SERVICES FORMER LONG BEACH CITY TOW YARD UST SITE 901 WEST ANAHEIM ST., LONG BEACH, CALIFORNIA				SCALE: 1"=80'		
FIGURE NO. 2						
PROJ. NO. 01209295.00	DWN. BY: L.FUENTES	ACAD FILE: J/HW/2009				
DSN. BY: P.GOMEZ	CHK. BY: P.GOMEZ	APP. BY: K.GREEN				

U:\Engineers\LAURIE LES GROUP\01209295.00 (FIGURE 4).dwg Mar 12, 2010 - 12:30pm Bjr 2409c1

LOS ANGELES RIVER FLOOD CONTROL CHANNEL



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PROJ. NO.	01209295.00	DWN. BY:	L. FUENTES	ACAD FILE:	J/HW/2009
DSN. BY:	P.GOMEZ	CHK. BY:	P.GOMEZ	APP. BY:	K. GREEN

CLIENT:

CITY OF LONG BEACH
c/o MR. CRAIG JUSTESEN
OVERLAND, PACIFIC and CUTLER, INC.
3750 SCHAUFLE AVENUE, SUITE 150
LONG BEACH, CA 90808
(562) 304-2000

SHEET TITLE:

SKETCH MAP SHOWING FORMER UST, BORING AND WELL LOCATIONS
FORMER LONG BEACH CITY TOW YARD,
901 W. ANAHEIM, LONG BEACH, CA

PROJECT TITLE:

GROUNDWATER MONITORING SERVICES
FORMER LONG BEACH CITY TOW YARD UST SITE
901 WEST ANAHEIM ST., LONG BEACH, CALIFORNIA

DATE:

3/11/2010

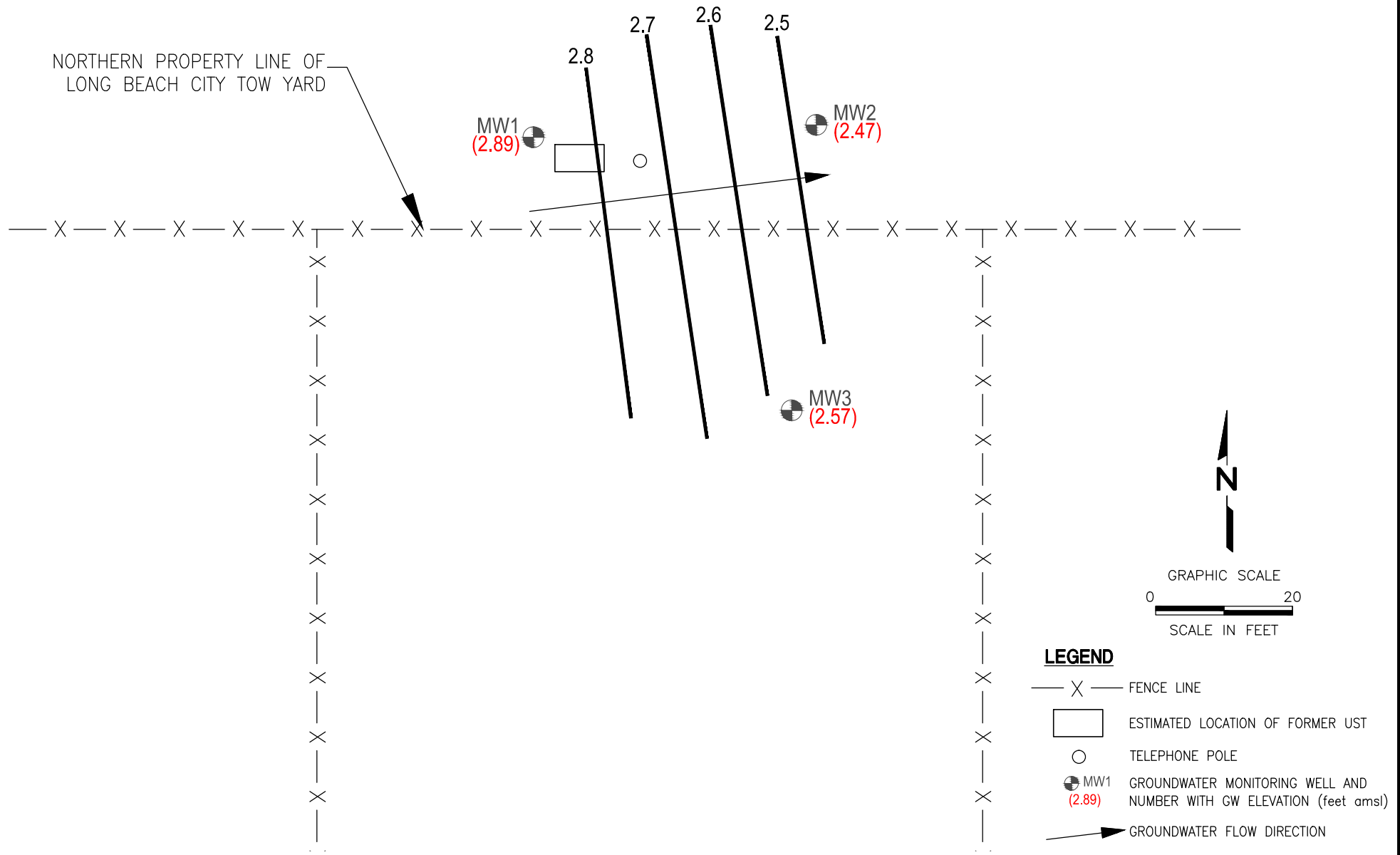
SCALE:

1" = 40'-0"

FIGURE NO.

3

U:\Engineers\LAURIE\ES GROUP\01209295.00 (FIGURE 4) Long Mar 12, 2010 - 12:30pm Bk: 24091.ctb



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PROJ. NO.	01209295.00	DWN. BY:	L. FUENTES	ACAD FILE:	J/HW/2009
DSN. BY:	P.GOMEZ	CHK. BY:	P.GOMEZ	APP. BY:	K. GREEN

CLIENT:

CITY OF LONG BEACH
c/o MR. CRAIG JUSTESEN
OVERLAND, PACIFIC and CUTLER, INC.
3750 SCHAUFLE AVENUE, SUITE 150
LONG BEACH, CA 90808
(562) 304-2000

SHEET TITLE:

GROUNDWATER ELEVATION MAP, FEBRUARY 18, 2010,
FORMER LONG BEACH CITY TOW YARD,
901 W. ANAHEIM, LONG BEACH, CA

PROJECT TITLE:

GROUNDWATER MONITORING SERVICES
FORMER LONG BEACH CITY TOW YARD UST SITE
901 WEST ANAHEIM ST., LONG BEACH, CALIFORNIA

DATE:

3/11/2010

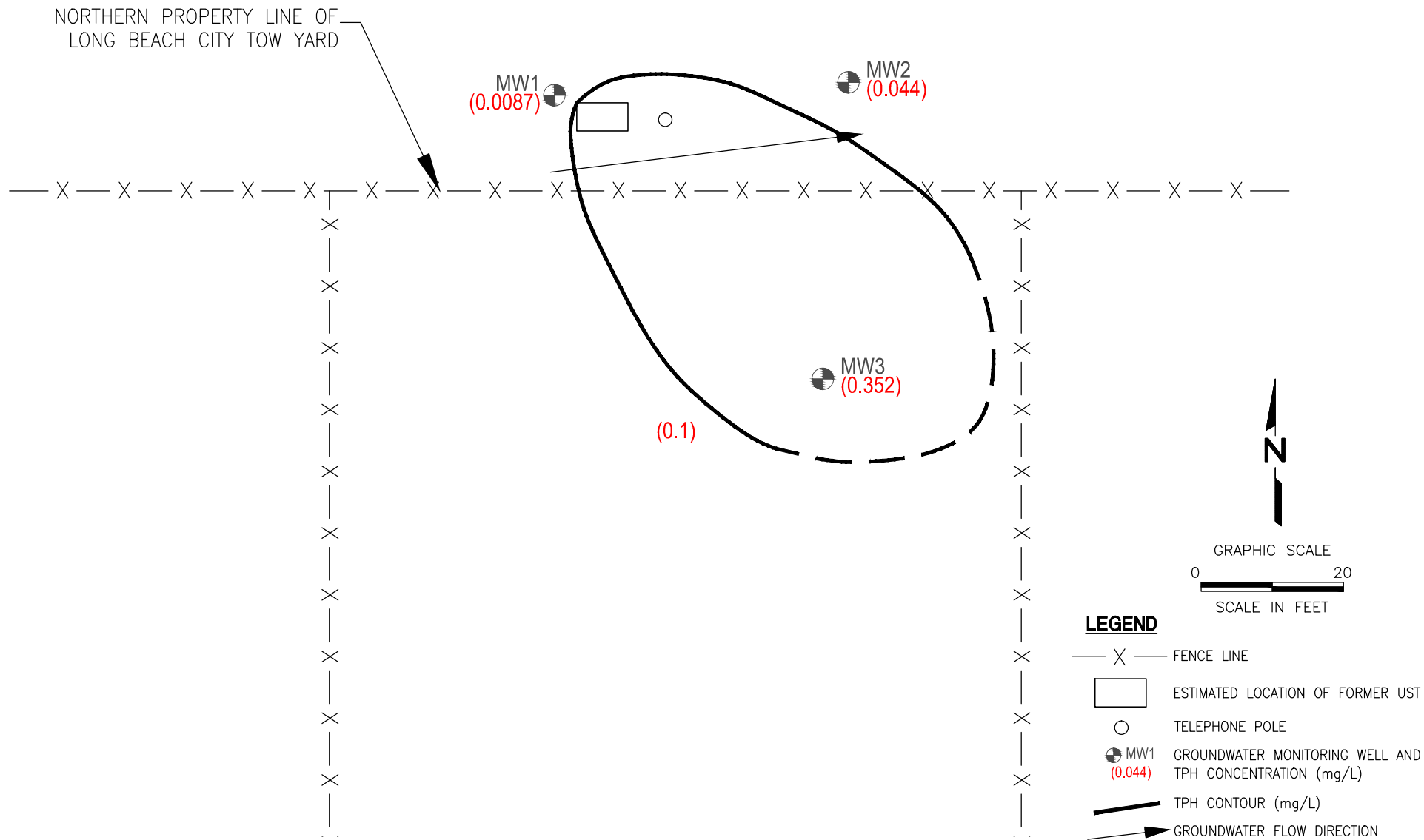
SCALE:

1" = 20'-0"

FIGURE NO.

4

U:\Engineers\LAURIE\ES GROUP\01209295.00 (FIGURE 3 and 4).dwg Mar 15, 2010 -- 2:30pm By: 24091cf



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3900 KILROY AIRPORT WAY, SUITE 100
LONG BEACH, CA 90806
PH. (562) 426-9544 FAX. (562) 427-0805

PROJ. NO.	01209295.00	DWN. BY:	L. FUENTES	ACAD FILE:	J/HW/2009
DSN. BY:	P.GOMEZ	CHK. BY:	P.GOMEZ	APP. BY:	K. GREEN

CLIENT:

CITY OF LONG BEACH
c/o MR. CRAIG JUSTESEN
OVERLAND, PACIFIC and CUTLER, INC.
3750 SCHAUFLE AVENUE, SUITE 150
LONG BEACH, CA 90808
(562) 304-2000

SHEET TITLE:

TPH-g GROUNDWATER CONTOUR MAP, FEBRUARY 18, 2010,
FORMER LONG BEACH CITY TOW YARD,
901 W. ANAHEIM, LONG BEACH, CA

PROJECT TITLE:

GROUNDWATER MONITORING SERVICES
FORMER LONG BEACH CITY TOW YARD UST SITE
901 WEST ANAHEIM ST., LONG BEACH, CALIFORNIA

DATE:

3/11/2010

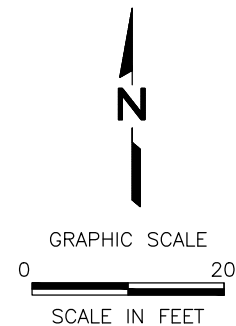
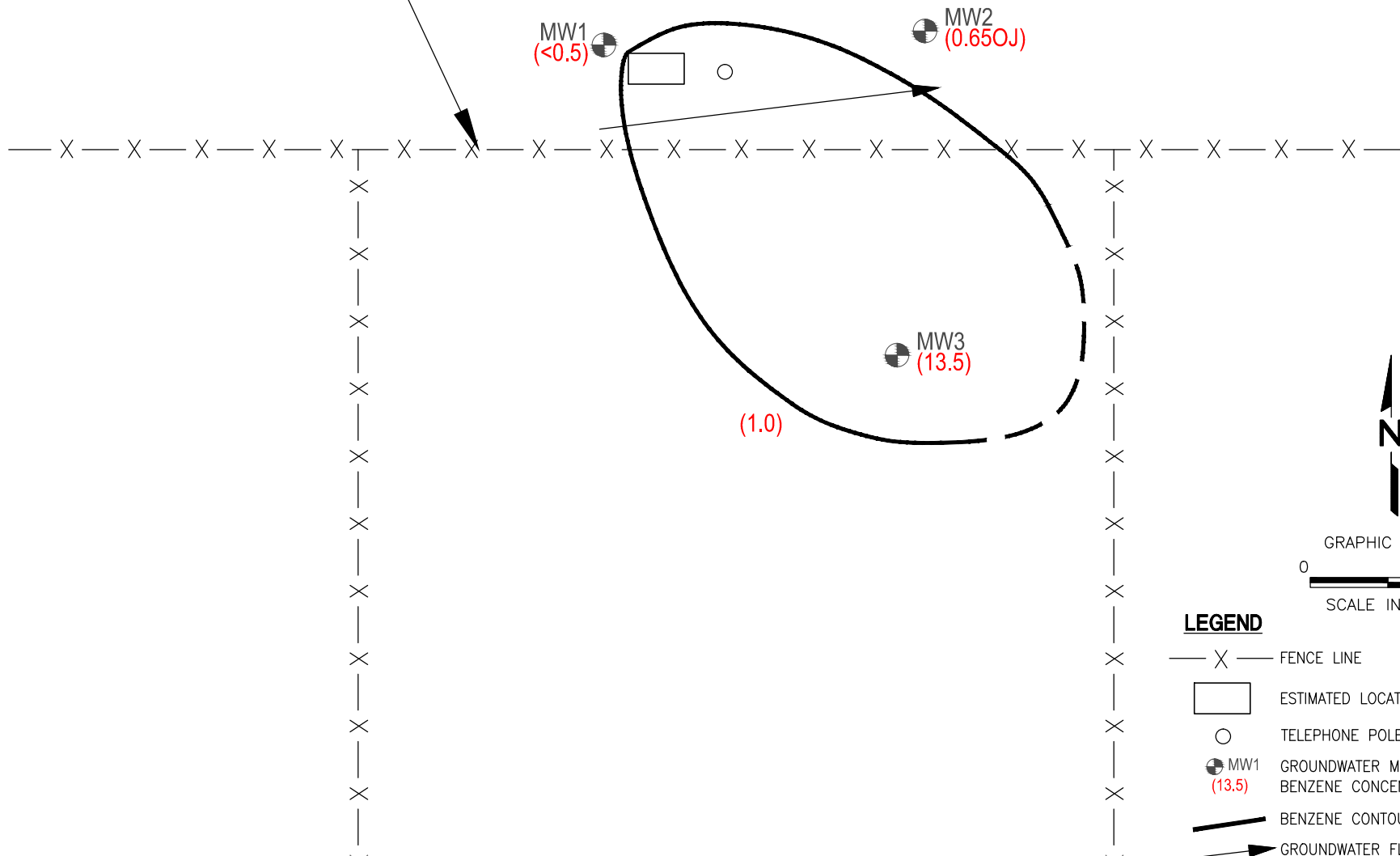
SCALE:

1" = 20'-0"

FIGURE NO.

5

NORTHERN PROPERTY LINE OF
LONG BEACH CITY TOW YARD



- LEGEND**
- X — FENCE LINE
 - ESTIMATED LOCATION OF FORMER UST
 - TELEPHONE POLE
 - MW1 (13.5) GROUNDWATER MONITORING WELL AND BENZENE CONCENTRATION (ug/L)
 - BENZENE CONTOUR (ug/L)
 - GROUNDWATER FLOW DIRECTION

SCS ENGINEERS

ENVIRONMENTAL CONSULTANTS

3900 KILROY AIRPORT WAY, SUITE 100
LONG BEACH, CA 90806
PH. (562) 426-9544 FAX. (562) 427-0805

PROJ. NO.	01209295.00	DWN. BY:	L. FUENTES	ACAD FILE:	J/HW/2009
DSN. BY:	P.GOMEZ	CHK. BY:	P.GOMEZ	APP. BY:	K. GREEN

CLIENT:

CITY OF LONG BEACH
c/o MR. CRAIG JUSTESEN
OVERLAND, PACIFIC and CUTLER, INC.
3750 SCHAUFLE AVENUE, SUITE 150
LONG BEACH, CA 90808
(562) 304-2000

SHEET TITLE:

BENZENE GROUNDWATER CONTOUR MAP, FEBRUARY 18, 2010,
FORMER LONG BEACH CITY TOW YARD,
901 W. ANAHEIM, LONG BEACH, CA

PROJECT TITLE:

GROUNDWATER MONITORING SERVICES
FORMER LONG BEACH CITY TOW YARD UST SITE
901 WEST ANAHEIM ST., LONG BEACH, CALIFORNIA

DATE:

3/11/2010

SCALE:

1" = 20'-0"

FIGURE NO.

6

TABLES

TABLE 1
SUMMARY OF GROUNDWATER ELEVATION DATA
LONG BEACH CITY TOW YARD
901 W. ANAHEIM STREET, LONG BEACH, CALIFORNIA

Well No. (Casing Diameter)	Reference Point Elevation* (Ft. above MSL)	Measured Casing Depth (Ft. Below RP)	Perforated Interval (bgs)	Date	Depth to Water (Ft. below RP)	Groundwater Elevation (Ft. Above MSL)
MW-1 (4 in.)	6.79	20	5-20	8/11/2005	5.99	0.80
				3/24/2006	6.00	0.79
				6/20/2006	5.90	0.89
				9/20/2006	6.58	0.21
				2/18/2010	3.90	2.89
MW-2 (4 in.)	6.74	20	5-20	8/11/2005	6.23	0.51
				3/24/2006	6.17	0.57
				6/20/2006	6.11	0.63
				9/20/2006	6.74	0.00
				2/18/2010	4.27	2.47
MW-3 (4 in.)	7.55	20	5-20	8/11/2005	7.12	0.43
				3/24/2006	7.07	0.48
				6/20/2006	6.99	0.56
				9/20/2006	7.57	-0.02
				2/18/2010	4.98	2.57

* = Casing reference point elevation.
RP = Reference Point on Well Casing
MSL = Mean Sea Level.
BGS = Below Ground Surface.

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
LONG BEACH CITY TOW YARD
901 W. ANAHEIM STREET, LONG BEACH, CALIFORNIA

Well ID	Sample Date	Total Petroleum Hydrocarbons (EPA Method 8015BM)		Volatile Organic Compounds (VOCs) (EPA Method 8260B)															
		Gasoline Range (C4-C12)	Diesel Range (C13-C22)	Benzene	Toluene	Ethylbenzene	Xylenes	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Isopropylbenzene	n-Propylbenzene	p-Isopropyltoluene	Naphthalene	n-Butylbenzene	sec-Butylbenzene	Chloromethane	Methyl-tert-butyl ether (MTBE)	Diisopropyl Ether (DIPE)	tert-Butyl alcohol (TBA)
		Milligrams per Liter (mg/L)		Micrograms per Liter (µg/L)															
MW1	8/11/05	0.189	--	<0.5	<0.5	1.2	4.8	--	--	--	--	--	--	--	--	--	<0.5	<0.5	<0.5
	3/24/06	0.171	--	0.9 J	1.4	12.9	5.3	7.2	<0.5	3.9	6.1	<0.5	<0.5	<0.5	0.6 J	<1.5	<0.5	<0.5	<10
	6/20/06	1.840	--	<0.5	<0.5	1.3	<1.5	<0.5	<0.5	2.3	2.2	<0.5	<0.5	<0.5	<0.5	<1.5	<0.5	<0.5	<10
	9/20/06	0.171	--	<0.5	<0.5	2.2	<1.5	0.7 J	<0.5	1.1	1.5	<0.5	0.8 J	<0.5	<0.5	<1.5	<0.5	<0.5	<10
	2/18/10	0.0087J	<0.1	<0.5	<0.5	<0.5	<1.5	<0.5	<0.5	0.720J	<0.5	<0.5	<0.5	<0.5	<0.5	<1.5	<0.5	<0.5	<10
MW2	8/11/05	<0.005	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	--	--	--	--	<0.5	<0.5	<0.5
	3/24/06	0.158	--	0.8 J	2.2	0.6 J	3.5	<0.5	<0.5	4.3	2.3	<0.5	<0.5	<0.5	0.5 J	<1.5	<0.5	<0.5	<10
	6/20/06	0.036	--	<0.5	<0.5	<0.5	<1.5	<0.5	<0.5	1.0	0.7 J	<0.5	<0.5	<0.5	<0.5	<1.5	<0.5	<0.5	<10
	9/20/06	0.037	--	<0.5	<0.5	1.1	<1.5	<0.5	<0.5	0.5 J	0.7 J	<0.5	<0.5	<0.5	<0.5	<1.5	<0.5	<0.5	<10
	2/18/10	0.044	<0.1	0.650J	<0.5	1.54	<1.5	<0.5	<0.5	1.10	0.960J	<0.5	<0.5	<0.5	<0.5	2.06J	<0.5	<0.5	<10
MW3	8/11/05	0.024	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	--	--	--	--	3.9	<0.5	38.8 J
	3/24/06	0.402	--	15.8	2.3	18.0	5.8	2.2	0.6 J	8.2	9.4	<0.5	3.3	<0.5	1.3	<1.5	2.8	0.9 J	<10
	6/20/06	1.84	--	45.8	2.8	50.8	9.4	10.8	4.7	26.4	53.7	0.6 J	23.5	<0.5	5.7	<1.5	1.3	<0.5	<10
	9/20/06	1.03	--	36.7	2.1	58.7	4.4	4.9	3.5	13.9	30.3	<0.5	1.9	2.9	2.4	<1.5	2.0	<0.5	<10
	2/18/10	0.352	0.263J	13.5	0.630J	<0.5	1.69J	<0.5	<0.5	1.53	1.81	<0.5	8.34	<0.5	<0.5	<1.5	<0.5	<0.5	<10
MCL or NL		--	--	1	150	300	1,750	--	--	--	--	--	17	--	--	--	13	--	12

Notes:

- 1) -- = Not Applicable or Not Analyzed
- 2) < = Less than reporting limit
- 3) J = Analyte was detected. However, the analyte concentration is an estimated value, which is between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).
- 4) MCL = Maximum Contaminant Level; NL = Notification Level (formerly referred to as action level). Reference - California Department of Health Services.

APPENDIX A
FIELD DATA SHEETS

GROUNDWATER SAMPLING RECORD

Well ID: MW-1 Station #: _____ Project # 01209295.00

Facility Name: Long Beach City Toward. Date: 2/18/10

Well Depth: 20' Depth to Water: 3.90 Well Diameter: 4"

Casing Material: pvc Volume Of Water per Well Volume: _____

Sampling Crew: L Weaver

Equipment: QED MicroPurge Tubing Material: Polyethylene Pump set at 12' ft.

Weather Conditions: Sunny 72', Calm wind

NOTES: Clear water, mid odor.

TIME	<u>12:10</u>	<u>12:14</u>	<u>12:18</u>	_____	_____
Volume Pumped	<u>1.2L</u>	<u>2.4L</u>	<u>3.6L</u>	_____	_____
Water Level	_____	_____	_____	_____	_____
Temp. (°C)	<u>22.19</u>	<u>22.12</u>	<u>22.08</u>	_____	_____
Pumping Rate	<u>300ml/min</u>	<u>"</u>	<u>"</u>	_____	_____
DO (mg/l)	<u>0.41</u>	<u>0.23</u>	<u>0.17</u>	_____	_____
EC (µS/cm)	<u>12.8</u>	<u>12.3</u>	<u>11.9</u>	_____	_____
PH	<u>8.32</u>	<u>8.38</u>	<u>8.39</u>	_____	_____
ORP (mV)	<u>-159</u>	<u>-177</u>	<u>-179</u>	_____	_____
Turbidity (NTU)	<u>2</u>	<u>2</u>	<u>2</u>	_____	_____

Parameters taken with: Hanba U-53 Other Parameters: _____

Sampled at: 12:18 (time) Sample collection method: QED MicroPurge

Sample delivered to AETL by L Weaver at _____

Sample #'s: _____ Other #'s: _____

Parameters Collected; Number of Bottles; Bottle Lot Number:

8260B + Oxygenates
8015M TPH-B, TPH-D

GROUNDWATER SAMPLING RECORD

Well ID: MW-2 Station #: _____ Project # 01209295.00

Facility Name: Long Beach City Towford Date: 2/18/10

Well Depth: 20' Depth to Water: 4.27 Well Diameter: 4"

Casing Material: pvc Volume Of Water per Well Volume: _____

Sampling Crew: L Weaver

Equipment: QED MicroPurge Tubing Material: Polyethylene Pump set at 12' ft.

Weather Conditions: Sunny 72°, Calm Wind

NOTES: Clear water, mid odor

TIME	<u>11:41</u>	<u>11:45</u>	<u>11:49</u>	_____	_____
Volume Pumped	<u>1.2L</u>	<u>2.4L</u>	<u>3.6L</u>	_____	_____
Water Level	_____	_____	_____	_____	_____
Temp. (°C)	<u>21.90</u>	<u>22.03</u>	<u>22.03</u>	_____	_____
Pumping Rate	<u>300ml/min</u>	<u>"</u>	<u>"</u>	_____	_____
DO (mg/l)	<u>0.53</u>	<u>0.72</u>	<u>0.71</u>	_____	_____
EC (µS/cm)	<u>9.51</u>	<u>9.51</u>	<u>9.30</u>	_____	_____
PH	<u>8.52</u>	<u>8.54</u>	<u>8.52</u>	_____	_____
ORP (mV)	<u>-48</u>	<u>-59</u>	<u>-63</u>	_____	_____
Turbidity (NTU)	<u>0</u>	<u>0</u>	<u>0</u>	_____	_____

Parameters taken with: Hanba U-53 Other Parameters: _____

Sampled at: 11:49 (time) Sample collection method: QED MicroPurge

Sample delivered to AETL by L Weaver at _____

Sample #'s: _____ Other #'s: _____

Parameters Collected; Number of Bottles; Bottle Lot Number:

8260B + Oxygenates
8015M + PH-8, TPH-D

GROUNDWATER SAMPLING RECORD

Well ID: MW-3 Station #: _____ Project # 01209295.00

Facility Name: Long Beach City Towford Date: 2/18/10

Well Depth: 20' Depth to Water: 4.98 Well Diameter: 4"

Casing Material: pvc Volume Of Water per Well Volume: _____

Sampling Crew: L Weaver

Equipment: QED MicroPurge Tubing Material: Polyethylene Pump set at 12' ft.

Weather Conditions: Sunny 72°, Calm wind

NOTES: Clear water, mid odor.

TIME	<u>12:44</u>	<u>12:48</u>	<u>12:52</u>	_____	_____
Volume Pumped	<u>1.2L</u>	<u>2.4L</u>	<u>3.6L</u>	_____	_____
Water Level	_____	_____	_____	_____	_____
Temp. (°C)	<u>22.57</u>	<u>22.52</u>	<u>22.53</u>	_____	_____
Pumping Rate	<u>300ml/min</u>	<u>"</u>	<u>"</u>	_____	_____
DO (mg/l)	<u>0.54</u>	<u>0.17</u>	<u>0.14</u>	_____	_____
EC (µS/cm)	<u>2.28</u>	<u>2.29</u>	<u>2.29</u>	_____	_____
PH	<u>7.82</u>	<u>7.83</u>	<u>7.86</u>	_____	_____
ORP (mV)	<u>-31</u>	<u>-63</u>	<u>-83</u>	_____	_____
Turbidity (NTU)	<u>50</u>	<u>34</u>	<u>32</u>	_____	_____

Parameters taken with: Hanba U-53 Other Parameters: _____

Sampled at: 12:52 (time) Sample collection method: QED MicroPurge

Sample delivered to AETL by L Weaver at _____

Sample #'s: _____ Other #'s: _____

Parameters Collected; Number of Bottles; Bottle Lot Number:

8260B + Oxygators
8015M + PH-B, TPH-D

APPENDIX B

LABORATORY ANALYTICAL REPORTS



American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

Ordered By

SCS Engineers
3900 Kilroy Airport Way Suite 100
Long Beach, CA 90806-6816

Telephone: (562)426-9544
Attention: Kevin Green

Number of Pages 10
Date Received 02/18/2010
Date Reported 02/24/2010

Job Number	Order Date	Client
55966	02/18/2010	SCS

Project ID: 01209295.00
Project Name: Long Beach City Tow Yard
Site: Long Beach, CA

Enclosed please find results of analyses of 3 water samples which were analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By: 

Approved By: 

Cyrus Razmara, Ph.D.
Laboratory Director



American Environmental Testing Laboratory Inc.

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CHAIN OF CUSTODY RECORD

Nº 67466

COMPANY SCS Engineers		PROJECT MANAGER Kevin Green		AETL JOB No. 55966		Page 1 of 1	
COMPANY ADDRESS 3900 Kuyay Airport Way Ste. 100		PHONE 562 426 9544		ANALYSIS REQUESTED		TEST INSTRUCTIONS & COMMENTS	
PROJECT NAME Long Beach City Tow Yard		FAX					
SITE NAME AND ADDRESS Long Beach		PROJECT # 01209295.00		PO #			

SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.
1 MW-2	55966-01	2/18/10	11:49	water	1 Lamber 3 vials	He1
2 MW-1	55966-02	↓	12:18	↓	↓	↓
3 MW-3	55966-03	↓	12:52	↓	↓	↓
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						

SAMPLE RECEIPT - TO BE FILLED BY LABORATORY				RELINQUISHED BY SAMPLER: 1.		RELINQUISHED BY: 2.		RELINQUISHED BY: 3.	
TOTAL NUMBER OF CONTAINERS	12	PROPERLY COOLED Y/N/NA		Signature: <i>Kevin Green</i>		Signature: <i>[Signature]</i>		Signature: <i>[Signature]</i>	
CUSTODY SEALS Y/N/NA	3	SAMPLES INTACT Y/N/NA		Printed Name: <i>Kevin Green</i>		Printed Name: <i>[Name]</i>		Printed Name: <i>[Name]</i>	
RECEIVED IN GOOD COND. Y/N		SAMPLES ACCEPTED Y/N		Date: <i>2/18/10</i> Time: <i>1500</i>		Date: <i>02/18/10</i> Time: <i>1625</i>		Date: <i>02/18/10</i> Time: <i>1625</i>	
TURN AROUND TIME				RECEIVED BY: 1.		RECEIVED BY: 2.		RECEIVED BY LABORATORY: AETL 3.	
☒ NORMAL ☐ RUSH ☐ SAME DAY ☐ 2 DAYS ☐ NEXT DAY ☐ 3 DAYS				Signature: <i>[Signature]</i>		Signature: <i>[Signature]</i>		Signature: <i>[Signature]</i>	
				Printed Name: <i>[Name]</i>		Printed Name: <i>[Name]</i>		Printed Name: <i>[Name]</i>	
				Date: <i>2/18/10</i> Time: <i>1500</i>		Date: <i>02/18/10</i> Time: <i>1625</i>		Date: <i>02/18/10</i> Time: <i>1625</i>	

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator



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ANALYTICAL RESULTS

Ordered By

Site

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Long Beach, CA

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Page: 2

Project ID: 01209295.00

Project Name: Long Beach City Tow Yard

AETL Job Number	Submitted	Client
55966	02/18/2010	SCS

Method: 8260B, Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0222106A1

Our Lab I.D.			Method Blank	55966.01	55966.02	55966.03	
Client Sample I.D.				MW-2	MW-1	MW-3	
Date Sampled				02/18/2010	02/18/2010	02/18/2010	
Date Prepared			02/22/2010	02/22/2010	02/22/2010	02/22/2010	
Preparation Method			5030B	5030B	5030B	5030B	
Date Analyzed			02/22/2010	02/22/2010	02/22/2010	02/22/2010	
Matrix			Aqueous	Aqueous	Aqueous	Aqueous	
Units			ug/L	ug/L	ug/L	ug/L	
Dilution Factor			1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	
Acetone	10	10	ND	ND	ND	ND	
Benzene	0.5	1.0	ND	0.650J	ND	13.5	
Bromobenzene (Phenyl bromide)	0.5	1.0	ND	ND	ND	ND	
Bromochloromethane	0.5	1.0	ND	ND	ND	ND	
Bromodichloromethane	0.5	1.0	ND	ND	ND	ND	
Bromoform (Tribromomethane)	2.5	5.0	ND	ND	ND	ND	
Bromomethane (Methyl bromide)	1.5	3.0	ND	ND	ND	ND	
2-Butanone (MEK)	5.0	5.0	ND	ND	ND	ND	
n-Butylbenzene	0.5	1.0	ND	ND	ND	ND	
sec-Butylbenzene	0.5	1.0	ND	ND	ND	ND	
tert-Butylbenzene	0.5	1.0	ND	ND	ND	ND	
Carbon Disulfide	0.5	1.0	ND	ND	ND	ND	
Carbon tetrachloride	0.5	1.0	ND	ND	ND	ND	
Chlorobenzene	0.5	1.0	ND	ND	ND	ND	
Chloroethane	1.5	3.0	ND	ND	ND	ND	
2-Chloroethyl vinyl ether	2.5	5.0	ND	ND	ND	ND	
Chloroform (Trichloromethane)	0.5	1.0	ND	ND	ND	ND	
Chloromethane (Methyl chloride)	1.5	3.0	ND	2.06J	ND	ND	
2-Chlorotoluene	0.5	1.0	ND	ND	ND	ND	
4-Chlorotoluene	0.5	1.0	ND	ND	ND	ND	
1,2-Dibromo-3-chloropropane (DBCP)	2.5	5.0	ND	ND	ND	ND	
Dibromochloromethane	0.5	1.0	ND	ND	ND	ND	
1,2-Dibromoethane (EDB)	0.5	1.0	ND	ND	ND	ND	
Dibromomethane	0.5	1.0	ND	ND	ND	ND	
1,2-Dichlorobenzene	0.5	1.0	ND	ND	ND	ND	
1,3-Dichlorobenzene	0.5	1.0	ND	ND	ND	ND	
1,4-Dichlorobenzene	0.5	1.0	ND	ND	ND	ND	



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ANALYTICAL RESULTS

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Project ID: 01209295.00
Project Name: Long Beach City Tow Yard

AETL Job Number	Submitted	Client
55966	02/18/2010	SCS

Method: 8260B, Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0222106A1

Our Lab I.D.			Method Blank	55966.01	55966.02	55966.03	
Client Sample I.D.				MW-2	MW-1	MW-3	
Date Sampled				02/18/2010	02/18/2010	02/18/2010	
Date Prepared			02/22/2010	02/22/2010	02/22/2010	02/22/2010	
Preparation Method			5030B	5030B	5030B	5030B	
Date Analyzed			02/22/2010	02/22/2010	02/22/2010	02/22/2010	
Matrix			Aqueous	Aqueous	Aqueous	Aqueous	
Units			ug/L	ug/L	ug/L	ug/L	
Dilution Factor			1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	
Dichlorodifluoromethane	1.5	3.0	ND	ND	ND	ND	
1,1-Dichloroethane	0.5	1.0	ND	ND	ND	ND	
1,2-Dichloroethane (EDC)	0.5	1.0	ND	ND	ND	ND	
1,1-Dichloroethene	0.5	1.0	ND	ND	ND	ND	
cis-1,2-Dichloroethene	0.5	1.0	ND	ND	ND	ND	
trans-1,2-Dichloroethene	0.5	1.0	ND	ND	ND	ND	
1,2-Dichloropropane	0.5	1.0	ND	ND	ND	ND	
1,3-Dichloropropane	0.5	1.0	ND	ND	ND	ND	
2,2-Dichloropropane	0.5	1.0	ND	ND	ND	ND	
1,1-Dichloropropene	0.5	1.0	ND	ND	ND	ND	
cis-1,3-Dichloropropene	0.5	1.0	ND	ND	ND	ND	
trans-1,3-Dichloropropene	0.5	1.0	ND	ND	ND	ND	
Ethylbenzene	0.5	1.0	ND	1.54	ND	ND	
Hexachlorobutadiene	1.5	3.0	ND	ND	ND	ND	
2-Hexanone	2.5	5.0	ND	ND	ND	ND	
Iodomethane	0.5	1.0	ND	ND	ND	ND	
Isopropylbenzene	0.5	1.0	ND	1.10	0.720J	1.53	
p-Isopropyltoluene	0.5	1.0	ND	ND	ND	ND	
4-Methyl-2-pentanone (MIBK)	2.5	5.0	ND	ND	ND	ND	
Methylene chloride (DCM)	2.0	4.0	ND	ND	ND	ND	
Naphthalene	0.5	1.0	ND	ND	ND	8.34	
n-Propylbenzene	0.5	1.0	ND	0.960J	ND	1.81	
Styrene	0.5	1.0	ND	ND	ND	ND	
1,1,1,2-Tetrachloroethane	0.5	1.0	ND	ND	ND	ND	
1,1,2,2-Tetrachloroethane	0.5	1.0	ND	ND	ND	ND	
Tetrachloroethene	0.5	1.0	ND	ND	ND	ND	
Toluene (Methyl benzene)	0.5	1.0	ND	ND	ND	0.630J	
1,2,3-Trichlorobenzene	0.5	1.0	ND	ND	ND	ND	
1,2,4-Trichlorobenzene	0.5	1.0	ND	ND	ND	ND	
1,1,1-Trichloroethane	0.5	1.0	ND	ND	ND	ND	
1,1,2-Trichloroethane	0.5	1.0	ND	ND	ND	ND	
Trichloroethene	0.5	1.0	ND	ND	ND	ND	
Trichlorofluoromethane	0.5	1.0	ND	ND	ND	ND	
1,2,3-Trichloropropane	0.5	1.0	ND	ND	ND	ND	



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ANALYTICAL RESULTS

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Project ID: 01209295.00
Project Name: Long Beach City Tow Yard

AETL Job Number	Submitted	Client
55966	02/18/2010	SCS

Method: 8260B, Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0222106A1

Our Lab I.D.			Method Blank	55966.01	55966.02	55966.03	
Client Sample I.D.				MW-2	MW-1	MW-3	
Date Sampled				02/18/2010	02/18/2010	02/18/2010	
Date Prepared			02/22/2010	02/22/2010	02/22/2010	02/22/2010	
Preparation Method			5030B	5030B	5030B	5030B	
Date Analyzed			02/22/2010	02/22/2010	02/22/2010	02/22/2010	
Matrix			Aqueous	Aqueous	Aqueous	Aqueous	
Units			ug/L	ug/L	ug/L	ug/L	
Dilution Factor			1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	
1,2,4-Trimethylbenzene	0.5	1.0	ND	ND	ND	ND	
1,3,5-Trimethylbenzene	0.5	1.0	ND	ND	ND	ND	
Vinyl Acetate	0.5	5.0	ND	ND	ND	ND	
Vinyl chloride (Chloroethene)	0.5	3.0	ND	ND	ND	ND	
o-Xylene	0.5	1.0	ND	ND	ND	ND	
m,p-Xylenes	1.0	2.0	ND	ND	ND	1.69J	
tert-Butyl alcohol (TBA)	10	50	ND	ND	ND	ND	
Diisopropyl ether (DIPE)	0.5	1.0	ND	ND	ND	ND	
Ethyl alcohol (Ethanol)	250	500	ND	ND	ND	ND	
Ethyl-tert-butyl ether (ETBE)	0.5	1.0	ND	ND	ND	ND	
Methyl-tert-butyl ether (MTBE)	0.5	1.0	ND	ND	ND	ND	
tert-Amyl methyl ether (TAME)	0.5	1.0	ND	ND	ND	ND	
Our Lab I.D.			Method Blank	55966.01	55966.02	55966.03	
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	
Bromofluorobenzene	75-125		99.6	117	114	93.0	
Dibromofluoromethane	75-125		81.1	97.5	92.4	88.8	
Toluene-d8	75-125		96.8	96.6	95.4	95.0	



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ANALYTICAL RESULTS

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Long Beach, CA

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Page: 5

Project ID: 01209295.00

Project Name: Long Beach City Tow Yard

AETL Job Number	Submitted	Client
55966	02/18/2010	SCS

Method: M8015G, TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 022210NB4

Our Lab I.D.			Method Blank	55966.01	55966.02	55966.03	
Client Sample I.D.				MW-2	MW-1	MW-3	
Date Sampled				02/18/2010	02/18/2010	02/18/2010	
Date Prepared			02/22/2010	02/22/2010	02/22/2010	02/22/2010	
Preparation Method			5030B	5030B	5030B	5030B	
Date Analyzed			02/23/2010	02/23/2010	02/23/2010	02/23/2010	
Matrix			Aqueous	Aqueous	Aqueous	Aqueous	
Units			mg/L	mg/L	mg/L	mg/L	
Dilution Factor			1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	
TPH as Gasoline and Light HC. (C4-C12)	0.005	0.010	ND	0.0437	0.0087J	0.352	
Our Lab I.D.			Method Blank	55966.01	55966.02	55966.03	
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	
Bromofluorobenzene	75-125		98.4	107	107	99.0	



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Project ID: 01209295.00

Project Name: Long Beach City Tow Yard

AETL Job Number	Submitted	Client
55966	02/18/2010	SCS

Method: M8015D, TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 021910

Our Lab I.D.			Method Blank	55966.01	55966.02	55966.03	
Client Sample I.D.				MW-2	MW-1	MW-3	
Date Sampled				02/18/2010	02/18/2010	02/18/2010	
Date Prepared			02/19/2010	02/19/2010	02/19/2010	02/19/2010	
Preparation Method			3510C	3510C	3510C	3510C	
Date Analyzed			02/19/2010	02/20/2010	02/20/2010	02/20/2010	
Matrix			Aqueous	Aqueous	Aqueous	Aqueous	
Units			mg/L	mg/L	mg/L	mg/L	
Dilution Factor			1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	
TPH as Diesel (C13-C22)	0.1	0.5	ND	ND	ND	0.263J	
TPH as Heavy Hydrocarbons (C23-C40)	0.1	0.5	ND	ND	ND	ND	
TPH Total as Diesel and Heavy HC.C13-C40	0.1	0.5	ND	ND	ND	0.263J	
Our Lab I.D.			Method Blank	55966.01	55966.02	55966.03	
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	
Chlorobenzene	60-125		66.8	116	114	116	



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QUALITY CONTROL RESULTS

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Attn: Kevin Green

Page: 7

Project ID: 01209295.00

Project Name: Long Beach City Tow Yard

AETL Job Number	Submitted	Client
55966	02/18/2010	SCS

Method: 8260B, Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0222106A1; Dup or Spiked Sample: B0222106A1; LCS: Clean Water; QC Prepared: 02/22/2010; QC Analyzed: 02/23/2010;
Units: ug/L

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Benzene	0.00	50.0	46.3	92.6	50.0	47.1	94.2	1.71	75-125	<20
Chlorobenzene	0.00	50.0	46.5	93.0	50.0	47.0	94.0	1.07	75-125	<20
1,1-Dichloroethene	0.00	50.0	42.6	85.2	50.0	43.1	86.2	1.17	75-125	<20
Toluene (Methyl benzene)	0.00	50.0	43.6	87.2	50.0	44.0	88.0	<1	75-125	<20
Trichloroethene	0.00	50.0	51.0	102	50.0	51.0	102	<1	75-125	<20
Methyl-tert-butyl ether (MTBE)	0.00	50.0	53.0	106	50.0	52.0	104	1.90	75-125	<20
Surrogates										
Bromofluorobenzene	0.00	50.0	46.3	92.6	50.0	47.0	94.0	1.51	75-125	<20
Dibromofluoromethane	0.00	50.0	42.7	85.3	50.0	41.8	83.6	1.99	75-125	<20
Toluene-d8	0.00	50.0	45.5	90.9	50.0	44.5	89.0	2.09	75-125	<20

QC Batch No: 0222106A1; Dup or Spiked Sample: B0222106A1; LCS: Clean Water; QC Prepared: 02/22/2010; QC Analyzed: 02/23/2010;
Units: ug/L

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit						
Benzene	50.0	47.1	94.2	75-125						
Chlorobenzene	50.0	47.1	94.2	75-125						
1,1-Dichloroethene	50.0	44.2	88.4	75-125						
Toluene (Methyl benzene)	50.0	44.5	89.0	75-125						
Trichloroethene	50.0	50.5	101	75-125						
Methyl-tert-butyl ether (MTBE)	50.0	51.0	102	75-125						
Surrogates										
Bromofluorobenzene	50.0	47.8	95.5	75-125						
Dibromofluoromethane	50.0	43.4	86.8	75-125						
Toluene-d8	50.0	45.1	90.3	75-125						
LCS										
Chloroform (Trichloromethane)	50.0	50.7	101	75-125						
Ethylbenzene	50.0	46.0	92.0	75-125						
1,1,1-Trichloroethane	50.0	48.7	97.4	75-125						
o-Xylene	50.0	47.2	94.4	75-125						



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QUALITY CONTROL RESULTS

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Project ID: 01209295.00
Project Name: Long Beach City Tow Yard

AETL Job Number	Submitted	Client
55966	02/18/2010	SCS

Method: 8260B, Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0222106A1; Dup or Spiked Sample: B0222106A1; LCS: Clean Water; QC Prepared: 02/22/2010; QC Analyzed: 02/23/2010;
Units: ug/L

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit						
m,p-Xylenes	100	90.7	90.7	75-125						



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Page: 9

Project ID: 01209295.00

Project Name: Long Beach City Tow Yard

AETL Job Number	Submitted	Client
55966	02/18/2010	SCS

Method: M8015D, TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 021910; Dup or Spiked Sample: B021910; LCS: Clean Water; QC Prepared: 02/19/2010; QC Analyzed: 02/19/2010;
Units: mg/L

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
TPH as Diesel (C13-C22)	0.00	5.00	4.84	96.8	5.00	4.65	93.0	4.0	75-125	<20
Surrogates										
Chlorobenzene	0.00	2.00	1.75	87.5	2.00	1.83	91.5	4.5	60-125	<20

QC Batch No: 021910; Dup or Spiked Sample: B021910; LCS: Clean Water; QC Prepared: 02/19/2010; QC Analyzed: 02/19/2010;
Units: mg/L

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit						
TPH as Diesel (C13-C22)	5.00	5.20	104	75-125						
Surrogates										
Chlorobenzene	2.00	1.79	89.5	60-125						



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QUALITY CONTROL RESULTS

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Page: 10

Project ID: 01209295.00

Project Name: Long Beach City Tow Yard

AETL Job Number	Submitted	Client
55966	02/18/2010	SCS

Method: M8015G, TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 022210NB4; Dup or Spiked Sample: B022210NB4; LCS: Clean Water; QC Prepared: 02/22/2010; QC Analyzed: 02/23/2010;
Units: mg/L

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
TPH as Gasoline and Light HC. (C4-C12)	0.00	0.500	0.500	99.8	0.500	0.510	103	3.16	75-125	<20
Surrogates										
Bromofluorobenzene	0.00	0.0500	0.0494	98.8	0.0500	0.0491	98.2	<1	75-125	<20

QC Batch No: 022210NB4; Dup or Spiked Sample: B022210NB4; LCS: Clean Water; QC Prepared: 02/22/2010; QC Analyzed: 02/23/2010;
Units: mg/L

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit						
TPH as Gasoline and Light HC. (C4-C12)	0.500	0.510	102	75-125						
Surrogates										
Bromofluorobenzene	0.0500	0.0511	102	75-125						



American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street, Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

Data Qualifiers and Descriptors

Data Qualifier:

*:	In the QC section, sample results have been taken directly from the ICP reading. No preparation factor has been applied.
B:	Analyte was present in the Method Blank.
D:	Result is from a diluted analysis.
E:	Result is beyond calibration limits and is estimated.
H:	Analysis was performed over the allowed holding time due to circumstances which were beyond laboratory control.
J:	Analyte was detected. However, the analyte concentration is an estimated value, which is between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).
M:	Matrix spike recovery is outside control limits due to matrix interference. Laboratory Control Sample recovery was acceptable.
MCL:	Maximum Contaminant Level
NS:	No Standard Available
S6:	Surrogate recovery is outside control limits due to matrix interference.
S8:	The analysis of the sample required a dilution such that the surrogate concentration was diluted below the method acceptance criteria.
X:	Results represent LCS and LCSD data.

Definition:

%Limi:	Percent acceptable limits.
%REC:	Percent recovery.
Con.L:	Acceptable Control Limits
Conce:	Added concentration to the sample.
LCS:	Laboratory Control Sample
MDL:	Method Detection Limit is a statistically derived number which is specific for each instrument, each method, and each compound. It indicates a distinctively detectable quantity with 99% probability.



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Data Qualifiers and Descriptors

MS:	Matrix Spike
MS DU:	Matrix Spike Duplicate
ND:	Analyte was not detected in the sample at or above MDL.
PQL:	Practical Quantitation Limit or ML (Minimum Level as per RWQCB) is the minimum concentration that can be quantified with more than 99% confidence. Taking into account all aspects of the entire analytical instrumentation and practice.
Recov:	Recovered concentration in the sample.
RPD:	Relative Percent Difference

APPENDIX C

CERTIFIED DECLARATION FOR COMPLIANCE WITH FEE TITLE HOLDER NOTIFICATION REQUIREMENTS



California Regional Water Quality Control Board Los Angeles Region



Linda S. Adams
Agency Secretary

Recipient of the 2001 Environmental Leadership Award from Keep California Beautiful

320 W. 4th Street, Suite 200, Los Angeles, California 90013
Phone (213) 576-6600 FAX (213) 576-6640 - Internet Address: <http://www.waterboards.ca.gov/losangeles>

Arnold Schwarzenegger
Governor

CERTIFICATION DECLARATION FOR COMPLIANCE WITH FEE TITLE HOLDER NOTIFICATION REQUIREMENTS (California Water Code Section 13307.1)

Please Print or Type

Fee Title Holder(s): City of Long Beach

Mailing Address: 2600 Temple Avenue, Long Beach, CA 90806

Contact Person: Leslie Horikawa-Thiede

Telephone Number / Fax Number: (562) 570-5401 / (562) 570-5414

Site Name: Long Beach City Tow Yard

Address: 901 Anaheim Street West, Long Beach, CA

Contact Person: Leslie Horikawa-Thiede

Telephone Number / Fax Number: (562) 570-5401 / (562) 570-5414

File Number: 908130498

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations." (See attached page for who shall sign the Certification Declaration).

Michael P. Conway
Printed Name of Person Signing

[Signature]
Signature

Public Works Director
Official Title

4/8/10
Date Signed

APPROVED AS TO FORM
April 8, 2010
ROBERT E. SHANNON, City Attorney
[Signature]
By GARY J. ANDERSON
DEPUTY CITY ATTORNEY

California Environmental Protection Agency



Our mission is to preserve and enhance the quality of California's water resources for the benefit of present and future generations

**PHASE I ENVIRONMENTAL ASSESSMENT
FORMER LONG BEACH PUBLIC SERVICE YARD
5½ PARCELS AT ANAHEIM STREET AND
SAN FRANCISCO AVENUE
LONG BEACH, CALIFORNIA 90813**

Prepared for:

Alere Property Group, LLC

100 Bayview Circle, Suite 310
Newport Beach, CA 92660
(949) 509-5002

Prepared by:

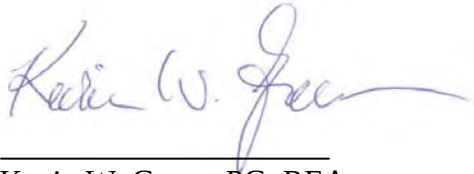
SCS ENGINEERS

3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806
(562) 426-9544

November 5, 2010
File No. 01210161.00

This Phase I Environmental Assessment Report for the Former Long Beach Public Service Yard (APNs 7271-017-900, 7271-012-905, 7271-012-904, 7271-011-900, 7271-008-901, and 7271-007-903) in Long Beach, California, dated November 5, 2010, was prepared by Ashley Hutchens and reviewed by Kevin W. Green.

I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in 40 CFR 312.20. The resume for the individual below is included in **Appendix E**. I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312 and AST Standard E1527-05.



Kevin W. Green, PG, REA
Project Director
SCS ENGINEERS

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EXECUTIVE SUMMARY

SCS Engineers (SCS) was retained by the Alere Property Group, LLC to prepare a Phase I Environmental Assessment of the Former Long Beach Public Service Yard (APNs 7271-017-900, 7271-012-905 [southern half], 7271-012-904, 7271-011-900, 7271-008-901, and 7271-007-903) in Long Beach, California (the “Property”). This assessment was performed in accordance with ASTM Standard E1527-05 and 40 CFR 312.

Based on the scope of work performed, SCS finds the following:

- The Property consists of five and half rectangular Los Angeles County Tax Assessor’s Parcels that total approximately 544,440 square feet in area and have most recently been associated with the City of Long Beach Public Service Yard. The Property is located west of San Francisco Avenue and east of the Los Angeles River between Pacific Coast Highway and Anaheim Street in Long Beach, California. The southern-most parcels of the Property are contiguous and include the intervening street rights-of-way, which have been incorporated into the Property. Addresses historically used for the Property include 901 West Anaheim Street, and 1409, 1445, and 1601 San Francisco Avenue. The address of 1725 San Francisco Avenue, although physically related to the parcels north of the Property and still occupied by the City of Long Beach, was also sometimes used for operations on the Property.

The northern-most parcel (940 Pacific Coast Highway, APN 7271-017-900) is located on the north side of the adjacent city block, approximately 700 feet north of the other parcels.

- The Property is predominately vacant/abandoned with the exception of two areas currently occupied by the City of Long Beach. City personnel provided access to these two areas that remained occupied. The Property was previously utilized for various operations performed by Long Beach public service departments (e.g. traffic management, street maintenance, and landscaping). The Property is occupied by numerous buildings and storage sheds. A carwash, two clarifiers, paint spray booth, chemical cabinet and former fueling station were also observed on the Property. SCS previously conducted a Phase I Assessment (SCS, February 22, 2005) of the Property in 2004/2005 for the City of Long Beach. Numerous potential environmental concerns were identified on the southern portion of the Property (excluding the noncontiguous northern parcel), including fill material containing debris from the 1933 earthquake and petroleum-related impacts to soil and/or groundwater from underground fuel storage tanks. Further, historic operations on these parcels have included vehicle and equipment maintenance, painting shop, chemical laboratory, landscaping departments, machine shop, etc. The locations and nature of these operations appears to be transitory, and it is possible that waste oils, various pesticides, oils, paint and solvents were spilled or leaked over the 70 plus years of operation.
- A previous Phase II investigation (SCS, August 2, 2005), identified heavy metals in soils in the area of the car wash clarifier and fill soils. Based on the results of previous investigations and continued site operations with a potential for chemical

releases, the two remaining clarifiers and paint spray booth are considered recognized environmental conditions (RECs). Based on the results of the previous SCS Phase II investigation by SCS in 2005, the previously identified hazardous materials storage areas, previous use of solvents, and former fueling station are considered historical RECs. There were apparently no significant changes in service yard operations over the last five years (with the exception of their reduction or cessation). Therefore, no significant changes in changes in the nature or extent of contamination are anticipated since the 2005 Phase II Investigation.

- Interviews conducted with City of Long Beach staff during the 2004 site inspections revealed that fill material was likely placed on the western portion of the Property; the source of this material is unknown, but may include debris from the 1933 earthquake. Mr. Cox indicated that debris was encountered on parcel 7271-011-900 during the repair of a waterline. Building debris from 1933 may contain asbestos, lead-based paint, or other issues of potential environmental concern. An obvious elevated area was noted during the site inspection on the northwestern portion of parcel 7271-011-900 (between 15th and Cowles Streets).
- Historical information indicates that portions of the Property were initially developed for commercial use as early as 1926, and have been used for commercial or industrial purposes since that time. Historical information identified two previous occupants of the Property considered historic RECs; Superior Laundry at 1317 San Francisco Avenue in 1926, and a gas station at 949 West Anaheim from at least 1931 through 1935.

It is possible that the laundry operations could have included dry cleaning. However, based on SCS's experience, any dry cleaning operation in the 1920s would very likely have used a petroleum-based solvent (gasoline or Stoddard), and dry cleaning operations using petroleum products were unlikely to have resulted in any significant environmental impact to the parcels they occupy. In summary, in SCS's opinion, the presence of a "laundry" or possible dry cleaning operation in 1926 does not represent a current REC for the Property

The address of the historical gas station at 949 West Anaheim Street is not a confirmed address on the Property; however it may nevertheless have been located on the southern-most parcel, APN 7271-007-903. Historic aerial photographs show a building on the southeastern corner of this parcel in 1928. This possible historic gas station is considered a REC.

- Historical information identifies four known underground storage tanks (USTs) historically located on the Property as follows: (1) a 1,000-gallon unused UST; (2) 550-gallon gasoline UST; and (3) two 12,000-gallon USTs (one diesel, one gasoline) as part of a former fueling station. The current known status of these USTs are as follows:

- (1) A 1,000-gallon unused UST was located on the western portion of the 16th Street right-of-way just south of APN 7271-012-905 (**Figure 4a**). This UST was originally meant to contain solvent/kerosene, was installed on July 19, 1988, and removed in January 1999. Regulatory closure was received from the Joint

Powers Agency (currently the Long Beach Department of Health and Human Services [DHHS]) in the “No Further Action” Letter dated March 25, 1999.

- (2) A 550-gallon gasoline UST was located in the 14th Street right-of-way just north of APN 7271-007-903 (**Figure 4b**). An “UST Unauthorized Release (Leak)/Contamination Site Report” dated May 29, 1996 indicated that on August 30, 1995 it was discovered that an unknown quantity of gasoline leaked from a 30 plus year old UST at 901 West Anaheim Street. This UST was removed by Maness Environmental on August 30, 1995.

SCS installed three groundwater wells in July 2005 and five groundwater monitoring events have been conducted since. Groundwater flow direction has been to the southeast with groundwater most recently encountered (February 2010) at depths between 3.90 and 4.98 feet below ground surface (bgs). Groundwater samples have contained concentrations of total petroleum hydrocarbons (TPH) as gasoline (up to 1.84 milligrams per liter [mg/L]), benzene (up to 45.8 micrograms per liter [µg/L]), toluene (up to 2.8 µg/L) ethylbenzene (up to 58.7 µg/L), xylenes (up to 9.4 µg/L), and MTBE (up to 3.9 µg/L). SCS concluded that concentrations of fuel-related constituents in groundwater have remained relatively stable between 2005 and 2010. Based on this information, SCS concluded that further investigation or monitoring was not warranted and that the data support closure for groundwater.

However, historical information indicates that residual hydrocarbon concentrations in soil are above generally-accepted cleanup goals and that remediation of soils is therefore warranted. SCS has recommended that soil remediation be conducted with proposed future development, so that remediation goals would be consistent with future use.

The RWQCB issued a letter on November 2, 2010 requiring semi-annual groundwater monitoring to verify concentrations remain low. The RWQCB also indicated that a Remedial Action Plan for soil remediation be submitted along with a schedule, or that a soil vapor survey be conducted to assess the human health risks to determine if the case can be closed with the current residual soil impacts.

- (3) Two 12,000-gallon USTs were located at the northeast corner of APN 7271-008-901 at 1445 San Francisco Avenue (**Figure 4b**). Long Beach DHHS files revealed an Underground Storage Tank Removal Report, dated August 7, 2008 for the removal of two 12,000-gallon USTs (one gasoline and one diesel). The tanks, installed November 1998 were removed on July 2, 2008. The USTs were reportedly in good condition upon removal, however, approximately two feet of groundwater filled into the UST excavation upon removal and free product diesel was observed floating on the groundwater in the southwest corner of the excavation. The fuel was reportedly leaked into the pea-gravel backfill surrounding the USTs during the excavation of one of the dispenser pans. Mitigation methods included using absorbent pads to skim the free product and a vacuum truck to remove approximately 5,000 gallons of groundwater. Analysis of soil samples collected from beneath each end of the USTs (at 16 feet below

ground surface [bgs]) and beneath each dispenser (at 6 feet bgs) indicated that no detectable concentrations of petroleum hydrocarbons to volatile organic compounds were present.

As a result of the impact to groundwater observed during removal, the DHHS referred the case to the RWQCB in an email dated October 10, 2008. In the email, the DHHS asked the RWQCB if a “no further action” letter should be issued. The RWQCB opened a case (T0603701971) and issued a letter dated November 24, 2008 requesting additional information. At this time it does not appear that a “no further action” letter has been issued. SCS recommends following up with the RWQCB to obtain the “no further action” letter.

- Regulatory database information identified the Property on the HAZNET, Historical Auto Station, Historical Cortese, CDL (clandestine drug lab) LUST, RCRA-SQG, FINDS, SWF/LF, EMI, and UST databases. The Cortese, LUST and UST database listings appear to relate to the historic UST operations, removals, and cleanups. Other EDR report information indicated that wastes such as organic solids, oil-containing wastes, aqueous solutions with organic residues, asbestos containing waste, unspecified solvent mixture waste, and waste oil and mixed oil, were used on the Property. Additionally, the database report indicated that a historical gas station (949 W. Anaheim St.), transfer station operation, and illegal drug lab formerly existed on the Property.
- Observations during the site inspection indicate that adjacent properties are currently occupied by numerous commercial/industrial operators. No obvious RECs for the Property were identified on these adjacent sites. However, regulatory database information also indicates that numerous sites within 0.25 miles of the Property have had releases of substances including hydrocarbons and volatile organic compounds, and groundwater in the area has been impacted. Based on this information, it is possible that impacted groundwater from these sites has migrated beneath the Property.
- Records were requested from the DHHS regarding UST(s) and hazardous material usage/disposal for the Property. Only records from 2004 to the present were reviewed (since the previous Phase I Assessment), and all of the records were under the address of 1725 San Francisco Avenue (the current address for the City of Long Beach Public Works Yard). The only available records related to the two 12,000-gallon USTs removed in 2008 at 1445 San Francisco Avenue, discussed above.
- A Phase II Investigation was conducted by SCS in 2005 (SCS, August 2, 2005) to address the RECs identified in the Phase I report (SCS, February 22, 2005). The Phase II report concluded the following:
 - No significant concentrations of petroleum hydrocarbons (above Soil Screening Levels) were detected in soils during the Phase II Investigation. Only trace concentrations of 1,1,1-TCA (2.6 ug/l in one of 30 samples) and PCE (up to 5.9 ug/l in 3 of 30 samples) were sporadically detected in soil vapor samples. In 2005, based on experience with similar sites, SCS concluded that concentrations

of volatile organic compounds (VOCs) in this range were generally not of concern to regulatory agencies.

- o Soil gas samples in the area of the carwash clarifier and paint clarifier did not contain detectable concentrations of VOCs.
- o Soil gas samples in the area of the car wash clarifier did not contain detectable concentrations of VOCs. However, a soil sample from this area at five feet bgs contained elevated concentrations of metals, including arsenic, chromium, copper, lead, nickel and zinc. The source of the metals in soil is unknown; they may be related to historic operations in this area, or to fill soils (the area is topographically elevated with respect to the area to the east). In addition, elevated concentrations of lead were identified in several other samples from suspected fill areas. Soils may contain metals at concentrations that may be a potential risk to human health, or require special consideration (i.e., additional testing and characterization) prior to removal and/or disposal. Additional investigation and remediation for metals is recommended prior to any redevelopment of this area of the Property.

Conclusions

In summary, SCS has performed a Phase I Environmental Site Assessment of five and a half parcels (between Pacific Coast Highway and West Anaheim Streets to the east of the Los Angeles River Flood Control Channel; APNs 7271-017-900, 7271-012-905 [southern half], 7271-012-904, 7271-011-900, 7271-008-901, and 7271-007-903) associated with the former Long Beach Public Service Yard in conformance with the scope and limitations of 40 CFR 312 and ASTM Standard E1527-05. In the opinion of the Environmental Professional, this assessment has revealed that the only parcel with no evidence of conditions indicative of releases or threatened releases of hazardous substances is the northerly, non-contiguous parcel (APN 7271-017-900, 940 Pacific Coast Highway), located approximately 700 feet north of the other parcels.

The remaining four and a half parcels contain one or more RECs. In summary, SCS recommends the following:

- It is SCS's opinion that monitoring data support closure for groundwater related to the former 550-gallon UST in the 14th Street right-of-way (associated with the city tow yard parcel, APN 7271-007-903). In addition, remediation of TPH-impacted soils associated with this UST should be conducted in conjunction with proposed future development, so that remediation goals would be consistent with future use.

The RWQCB issued a letter on November 2, 2010 requiring semi-annual groundwater monitoring to verify concentrations remain low. The RWQCB also indicated that a Remedial Action Plan for soil remediation be submitted along with a schedule, or that a soil vapor survey be conducted to assess the human health risks to determine if the case can be closed with the current residual soil impacts.

- At the time of any future redevelopment, SCS recommends remediation (and further investigation, as necessary) of metals in fill soils and carwash clarifier areas.

- Further investigation of the possible historic gas station at 949 West Anaheim may be warranted at this time.
- Following up with the RWQCB to obtain the “no further action” letter in association with the two 12,000-gallon USTs removed in July 2008 from APN 7271-008-901.

Data Gaps

A data gap represents an inability on the part of the environmental professional to obtain information required by the standards and practices of 40 CFR 312 to fully identify conditions indicative of releases or threatened releases of hazardous substances on, at, in, or to the Property.

The following data gap was identified:

- The northern-most parcel, APN 7271-017-900, was unoccupied, fenced, and locked and not accessible for inspection. These portions of the Property were viewed and examined from the sidewalk. This is not a significant data gap because as a vacant lot, the Property could be viewed and examined from the sidewalk and surrounding area.

1 INTRODUCTION

SCS Engineers (SCS) was retained by the Alere Property Group, LLC (the “User”) to prepare a Phase I Environmental Assessment of the Former Long Beach Public Service Yard (Assessor Parcel Numbers [APNs] 7271-017-900, 7271-012-905 [southern half], 7271-012-904, 7271-011-900, 7271-008-901, and 7271-007-903) in Long Beach, California (the “Property”). A location map for the Property is presented as **Figure 1** in **Appendix A**. This assessment was performed in accordance with ASTM Standard E1527-05 and 40 CFR 312, Standards for Conducting All Appropriate Inquiries.

2 PURPOSE

The purpose of this investigation was to identify conditions indicative of releases or threatened releases of hazardous substances as defined in CERCLA section 101, and petroleum products, on, at, in, or to the Property.

This assessment is intended to constitute appropriate inquiry into the previous ownership and uses of the property, as required to support the assertion of the innocent landowner, contiguous property owner, and/or bona fide prospective purchaser defenses to liability (collectively the landowner liability protections, or LLPs) under the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA a.k.a. Superfund), as amended by the Superfund Amendments and Reauthorization Act of 1986 (SARA) and the Small Business Liability Relief and Brownfields Revitalization Act of 2002.

If known or suspected contamination is identified, Users seeking to maintain LLPs have responsibilities in addition to completion of an AAI-compliant Phase I Environmental Site Assessment. These “continuing obligations” include taking “appropriate care” and “reasonable steps” with respect to known or suspected releases of hazardous substances during the term of property ownership. In addition to these requirements under Federal law, there are different requirements under state law with respect to liability protections. On request, SCS Engineers can provide support for clients with continuing obligations, as appropriate.

3 SCOPE OF SERVICES

This Phase I Environmental Assessment is based on:

- Reviews of federal, tribal, state, and local government records.
- Visual inspections of the Property and adjoining properties performed on October 12, 2010.
- Interviews with site personnel.
- Review of historical Property use information (topographic maps, aerial photographs, fire insurance maps, existing reports, etc.).
- Commonly known or reasonably ascertainable information about the Property (e.g., interviews with appropriate regulatory agency personnel and review of agency files review of available documents, interviews with other knowledgeable persons).
- Degree of obviousness of the presence or likely presence of contamination at the Property, and the ability to detect the contamination by appropriate investigation.
- Information provided as a result of the additional inquiries conducted by the User.

4 SPECIAL TERMS AND CONDITIONS

This Phase I Environmental Assessment for Former Long Beach Public Service Yard (APNs 7271-017-900, 7271-012-905 [southern half], 7271-012-904, 7271-011-900, 7271-008-901, and 7271-007-903), in Long Beach, California has been prepared specifically for the Alere Property Group, LLC. The report has been prepared in accordance with the care and skill generally exercised by reputable professionals, under similar circumstances, in this or similar localities. No other warranty, express or implied, is made as to the professional opinions presented herein.

No other party, known or unknown to SCS, is intended as a beneficiary of this work product, its content or information embedded therein. Third parties use this report at their own risk. Third party reliance letters may be issued on request to SCS subject to approval of the Alere Property Group, LLC and payment to SCS of a fee for such letters.

5 LIMITATIONS AND ASSUMPTIONS

The investigation focused on releases and threatened releases of hazardous substances or petroleum products that could be considered a recognized environmental condition (REC) and/or a liability due to their possible presence in significant concentrations (e.g., above acceptable limits set by the Federal or state government) or due to the potential for contaminant migration through exposure pathways (e.g., groundwater). Materials that may contain substances which are not currently deemed hazardous by the federal or state of California EPA were not considered as part of this study.

Unless specifically included in our scope of services, formal surveys for asbestos-containing materials, lead-based paints, fire safety, vapor intrusion, indoor air quality, mold, and similar matters were not part of this assessment. The Property was not evaluated for compliance with land use, zoning, wetlands, or similar laws. This report is not intended to be an environmental compliance audit.

Hazardous substances naturally occurring in plants, soils, and rocks, (e.g., heavy metals, naturally occurring asbestos, or radon) are not typically considered in these investigations. Similarly, construction debris (e.g., discarded concrete, asphalt) is not considered to be of concern unless observations suggest that hazardous substances are likely to be present in significant concentrations.

Unless otherwise noted, sampling and laboratory analyses of soil, water, air, building materials, or other media, were not performed as part of this investigation. Positive identification of hazardous substances can only be accomplished through sampling and appropriate laboratory analysis.

SCS Engineers assumes no responsibility for the accuracy of information obtained from, compiled by, or provided by third-party sources, such as regulatory agency listings. Unless obviously inaccurate or if information exists to the contrary, SCS Engineers assumes that information collected during this environmental site assessment is accurate and correct. Unless warranted, information collected has not been independently validated as part of this assessment.

The following information is the responsibility of the User (40 CFR 312.22) and is not included in this Phase I Assessment Report:

- Specialized knowledge or experience of the User.
- The relationship of the purchase price to the fair market value of the Property. The purchaser of a Property is required to consider whether any differential between the purchase price and the fair market value of the Property is due to the presence of releases or potential releases of hazardous substances at the Property.

The following limitations/restrictions were placed on SCS:

- The northern-most parcel, APN 7271-017-900, was unoccupied, fenced, and locked and not accessible for inspection.

6 GENERAL SITE CHARACTERISTICS

SITE LOCATION

The Property is comprised of five and a half parcels in Long Beach, California currently or formerly associated with the Long Beach Public Service Yard (the “Service Yard”). Four and a half of these parcels are on contiguous city blocks bounded by West Anaheim to the south, San Francisco Avenue to the east, 16th Street to the north, and the Los Angeles River Flood Control Channel to the west and the southern half of the city block bounded by 16th Street to the south, San Francisco Avenue to the east, 17th Street to the north, and the Los Angeles River Flood Control Channel to the west. These contiguous parcels also include the intervening street rights-of-way (16th, 17th, Cowles, and 14th Streets) which were incorporated into the Former Public Service Yard. Addresses historically used for this portion of the Property include 901 West Anaheim Street, and 1409, 1445, and 1601 San Francisco Avenue. Operations on this portion of the Property were also sometimes included under the address of 1725 San Francisco Avenue, although this address is physically north of the Property and still occupied by the City of Long Beach.

The fifth parcel is located on the northwestern quadrant of the city block bounded by Esther Street to the south, San Francisco Avenue to the east, Pacific Coast Highway to the north, and the Los Angeles River Flood Control Channel to the west. This northernmost parcel is located approximately 700 feet north of the other parcels. This parcel has an address of 940 Pacific Coast Highway.

The Property has been assigned Los Angeles County Tax Assessor’s Parcel Numbers (from north to south) 7271-017-900 (the northernmost noncontiguous parcel), 7271-012-905 [southern half], 7271-012-904, 7271-011-900, 7271-008-901, and 7271-007-903. APN maps showing the Property are provided as **Figure 2a and 2b** in **Appendix A**. A 2005 aerial photograph of the Property and surrounding area is provided as **Figure 3**.

GENERAL SITE DESCRIPTION

The Property consists of five and a half rectangular Los Angeles County Tax Assessor’s parcels, most of which are unoccupied, although operations of the Service Yard appear on portions of at least three parcels. The parcels are mostly asphalt paved and occupied by numerous structures

including several offices, workshops, maintenance and storage sheds, a former carwash, two clarifiers, and former fuel dispensers. Large open areas of the vacant parcels still contain stored service yard materials (wood, steel, light poles, etc.) or are used for parking. According to the Los Angeles County Tax Assessor's parcel maps, the Property consists of one northern parcel that is 113.58 feet by 102.48 feet, or approximately 11,640 square feet in area; and four and a half contiguous southern parcels and intervening streets that combined are approximately 1,665 feet by 320 feet, or approximately 532,800 square feet in area. The total approximate area of the Property is 544,440 square feet. Although the intervening streets are not part of the parcels, they are used by the City of Long Beach as part of the Public Service Yard and are thus included in this report.

ADJOINING PROPERTY USE

Adjacent properties to the noncontiguous northerly parcel (APN 7271-017-900) consist of the following:

- North – Pacific Coast Highway overpass, across which is residential property
- East – Goodwill services yard
- South – Ocean Blue Environmental Services
- West – The Los Angeles River, across which is industrial property

Adjacent properties to the four and a half contiguous parcels consist of the following:

- North – Long Beach Public Service Yard
- East – Commercial/Industrial properties (identified on **Figures 4a and 4b**)
- South – Anaheim Avenue overpass, across which is commercial/industrial property
- West – The Los Angeles River, across which is industrial property

7 PHYSICAL SETTING

PHYSIOGRAPHIC SETTING

According to the U.S. Geological Survey (USGS), Long Beach (1964, photorevised 1981), California 7.5 minute topographic map, the Property is located immediately east of the Los Angeles River at an elevation of approximately five feet above mean sea level about 1.3 miles north of San Pedro Bay. Regional topography is relatively flat with a gentle slope to the west.

GEOLOGY AND SOILS

Geologic maps indicate that surface sediments in the area are Quaternary alluvium and coastal deposits of silt, sand, and gravel that are underlain by the late Pleistocene Lakewood Formation. The Lakewood Formation, which consists of gravel, sand, sandy silt, silt and clay with shale pebbles, extends to a depth of approximately 100 feet (California DWR, Bulletin No.104). Sediments below the Lakewood Formation belong to the late Pleistocene San Pedro Formation.

GROUNDWATER

The Property is located in the southern portion of the West Coast Groundwater Basin. The first groundwater aquifer in the region is within the Gage Aquifer within the Lakewood Formation. Based on groundwater monitoring reports for a former UST site located in the 14th Street right-of-way on the Property (SCS, April 2010), first groundwater is approximately 4 to 5 feet below grade and flows southeasterly in direction. Shallow groundwater has locally been impacted by saltwater intrusion; therefore, it is not used as a drinking water source. Groundwater beneath the Property may be tidally influenced due to tides in the adjacent Los Angeles River.

RADON

According to the California Department of Health Service's October 2002 report *Radon Database for California* and the June 2008 update to this report, screening in the area of the Property (90813) found no locations where buildings had radon levels in excess of 4 pCi/L (the EPA action level). The alluvial geology of the Long Beach area is not normally associated with elevated radon levels. Based on the available information, therefore, elevated radon gas is not expected in the area of the Property.

8 SITE INSPECTION

An inspection of the unoccupied portion of the Property and surrounding area was conducted on October 12, 2010 and of the occupied portions of the Property on November 1, 2010 by Ashley Hutchens of SCS. Mr. Art Cox, Superintendent of Street Maintenance provided access to the portions of the Property currently occupied by the Service Yard. A sketch map and photographs of the Property are provided in **Appendix B**. A parcel-by-parcel description of the Property, from north to south, is presented in the following narrative.

APN 7271-017-900

The most northerly parcel (APN 7271-017-900) occupies the northwesterly portion of the city block bounded by Pacific Coast Highway to the north, San Francisco Avenue to the east, Esther Street to the south, and the Los Angeles River Flood Control Channel to the west. The adjacent parcels on this city block are occupied by a Goodwill Parking Lot to the east and Ocean Blue Environmental Services to the south.

Access to this parcel was not available, therefore the parcel was observed from outside the locked fence. The parcel consists of an apparently unused asphalt-paved lot with several small piles of gravel, sand, and dirt. The parcel is scattered with litter and overgrown with plants and small trees. Other than low retaining walls, no structures are located on this parcel.

APN 7271-012-905 (Southern Half)

The southern half of the parcel between 16th Street and 17th Street (APN 7271-012-905; formerly APN 7271-012-901), including the 16th Street right-of-way, are a part of the Property. The northern half of this parcel is not included in this Phase I Assessment. The entire parcel, the 16th Street right-of-way, and the northerly portion of the adjacent parcel to the south (discussed below) are currently occupied by the Service Yard. Mr. Cox accompanied SCS during the site walk on November 1, 2010 and provided access to the structures on this parcel. An office and welding shop were currently still in operation during the site walk. Mr. Cox indicated that these

structures would be vacated in the near future and a fence installed along the northern boundary of this parcel to divide the Property from the portion that will remain occupied by the Service Yard. Several structures on the southern portion of this parcel and within the 16th Street right-of-way were vacated within the previous year. The vacant structures were formerly used for traffic operations, traffic paint, maintenance, administration, and other public works services and associated parking. The former administration building on the eastern portion of the 16th Street right-of-way has an address of 1601 San Francisco Avenue.

Mr. Cox indicated that one of the vacant structures housed a former pump room that pumped stormwater from a sump to the Los Angeles River during rainfall events. The pump room has not been used for approximately 10 years; it was replaced by a new pump house built on the adjacent parcel to the north.

Several chemical cabinets were observed containing propane, gasoline, spray paint, graffiti remover and preventer. Numerous 55-gallon drums and 5-gallon buckets containing traffic paint were observed on this parcel.

APN 7271-012-904

The parcel between 15th and 16th Streets (APN 7271-012-904; formerly APN 7271-012-900) is currently vacant, with the exception of the northerly portion (separated by a chain-link fence) which is occupied by operations of the Service Yard as described above. An open empty steel drum was observed on the northwest portion of this parcel (within the portion occupied by the Public Service Yard). Mr. Cox indicated that the drum previously contained traffic paint.

The remainder of this parcel is occupied by several vacant buildings previously used for traffic management operations, traffic signal/meter coordinators offices, electrical shop offices, computer operations, a telephone room, a plumbing office, an air conditioning office, a custodial office.

Stormwater drainage swales with numerous storm drain inlets ran the length of the parcel. A steel-plated vault of unknown use was observed in the northwestern portion of the unoccupied area (south of the current Public Service Yard). A plastic aboveground storage tank (AST; further discussed below) and a stockpile of tires were observed at the southern end of this parcel.

APN 7271-011-900

The parcel between Cowles and 15th Streets (APN 7271-011-900) is occupied by numerous buildings previously occupied by a paint shop and storage building, central stores, carpenter building, offices, chemistry lab, and storage sheds. A paint booth was observed within the paint shop and an empty plastic drum labeled “sodium hydroxide solution” was located between buildings on the southeastern portion of the parcel. Old traffic lights and associated panels were stored on the northwestern portion of the parcel.

The 2004 site inspection of this parcel identified a fenced/locked hazardous waste storage area containing 55-gallon drums of mineral spirits north of the paint shop and identified a former pesticide storage area.

APN 7271-008-901

The parcel between 14th and Cowles Streets (APN 7271-008-901; formerly APN 7271-008-900) was largely used for storage of old and unused materials. Addresses associated with this parcel were observed to be 1409 and 1445 San Francisco Avenue.

Four former fuel dispensers, removed from the ground, remain onsite on the northeastern portion of this parcel. The area adjacent to the fuel dispensers is covered with gravel where two former underground storage tanks (USTs) were removed (discussed below). The eastern portion of the parcel (south of the former UST area) is occupied by Long Beach Public Works “Clean Long Beach” division. An office building and paint equipment cleaning area with a clarifier was observed. Mr. Cox indicated that the clarifier was previously used for cleaning of paint materials by the graffiti and traffic divisions. Currently the traffic division continues to clean paint equipment within the clarifier.

A second clarifier was observed associated with a former car/truck wash area. A chemical storage cabinet (contents unknown) is located adjacent to the wash area. Bollards were observed where a former propane tank has been removed. The western portion of the parcel is an abandoned storage yard where traffic posts, city artifacts, roof tiles, and various other construction-related items remain.

APN 7271-007-903

The southernmost parcel (APN 7271-007-902; formerly APN 7271-007-902) is the location of the former Long Beach City Tow Yard with an address of 901 West Anaheim Street. The parcel is largely vacant and was surfaced primarily with asphalt but included several concrete-paved areas. A long narrow single-story building is located in the southeastern corner of the lot and extended northward along the eastern edge of this parcel. The building appeared to consist of former offices and former garage/service bays; access to the building was not available. The eastern portion of the parcel, north of the building, was fenced and gated for apparent storage of city vehicles; it was not possible to determine if this area is currently in use by the city.

A partial sidewalk, median, and curbs ran in a north-south direction through the western portion of the lot. Their presence, along with a storm-drain located within a curb in the southwest corner indicates that a street was formerly present on the western portion of this parcel.

Four unused underground storage tanks were stored above ground along the western edge of the parcel. Numerous unused trash and recycling containers were stored on the parcel. Three groundwater monitoring wells (discussed below) and a 55-gallon steel drum containing purge water from the wells were observed on the northern portion of the parcel and in the 14th Street right-of-way. A fenced area with a shipping container containing a weather station was located on the northern portion of this parcel.

HAZARDOUS SUBSTANCES

During the site inspection an empty plastic drum labeled as sodium hydroxide solution, a flammable materials cabinet, and several chemical cabinets containing propane, gasoline, spray paint, and graffiti remover and preventer (access to one chemical cabinet and the flammable cabinet were not available) were observed. Numerous 55-gallon drums and 5-gallon buckets of traffic paint were observed on the Property that was still occupied by the Service Yard. Former

hazardous substances storage areas were observed on the accessible portion of the Property, including a paint booth, chemical lab, and the location of former USTs.

NATURAL DRAINAGE

Natural waterways are not currently located on the Property. The Los Angeles River Flood Control Channel is located immediately east of the Property. Numerous storm drains were observed on the Property. Runoff from the Property drains to these storm drains and to the surrounding streets. According to Mr. Cox, the storm drains on the Property flow to the pump house currently located north of the Property, however an old pump house is located on parcel 7271-012-905 within the Property.

DISTURBED AREAS

Other than former UST excavation areas, no obvious disturbed areas were noted during the site inspection.

ELEVATORS AND OTHER HYDRAULIC EQUIPMENT

No elevators or other hydraulic equipment were observed on the Property.

WELLS

Three groundwater monitoring wells were observed on the Property, two in the 14th Street right-of-way and one on the southern most parcel (APN 7271-007-903). These wells, installed in July 2005, are associated with a former 550-gallon gasoline UST and are further discussed below.

ELECTRICAL EQUIPMENT

No transformers, capacitors, or other potentially fluid-filled electrical equipment were observed on the Property.

WASTEWATER

Domestic sanitary sewage generated on the Property, if any, would be discharged to the city sewer system. There appear to be industrial wastewater discharges from the two clarifiers associated with the vehicle wash and paint shop areas.

DRINKING WATER

Drinking water is supplied to the Property by the City of Long Beach. All large public water suppliers in California have been required to test their water and comply with federal and state drinking water standards since the mid-1980s. Consequently, lead and other contaminants of concern are not expected to be present in the drinking water supply above applicable primary and secondary drinking water standards.

STORAGE TANKS

Four underground storage tanks were stored, aboveground, near the southwestern corner of the Property (APN 7271-007-903). During the previous site visit on May 24, 2004, the superintendent of towing and lien sale indicated that these tanks were likely from another city facility, and were not used on the Property.

Four removed fuel pumps remained onsite at the former fleet fueling station on the northeast portion of APN 7271-008-901. As discussed below, these fuel pumps and the two associated USTs were removed July 1, 2008.

One plastic aboveground storage tank was observed at the southern end of APN 7271-012-904. The previous contents of the AST are unknown; however this type of tank is often used to store water.

ASBESTOS-CONTAINING MATERIALS (ACMS)

In general, buildings constructed before 1985 have a high potential for ACMS. The manufacture of most ACMS (except roofing tars/mastics) ended in the late 1970s. However, existing inventories of products could still be used. In addition, roofing tars and mastics can still contain asbestos. Thus, ACMS can be present in building materials regardless of age or date of construction (for example, in roofing felt, vinyl flooring, dry wall mud, etc.). Without sampling and analysis, it is not possible to definitely identify ACMS.

Based on known or likely construction dates for structures on the Property (current buildings date as early as 1939, many were constructed in the 1950s and 1960s), it is likely that ACMS are present in at least some of structures.

VISUAL INSPECTION OF ADJOINING SITES

Businesses observed on adjoining sites during the site inspection included: Harbor Custom Canvas, L.W. Hydraulic Services LLC, The Food Bank of Southern California (and associated parking lot), Gulf Marine and Industrial Supplies Inc., Ready Storage, BCIA Precision Casting, Graybar Distributor of Electrical and Comm/Data Products, Long Beach Seafood Co., L&L Towing and Impound Alley, Goodwill (and associated parking lots), and Ocean Blue Environmental Services.

No obvious RECs were observed on any of the adjacent properties.

9 INTERVIEWS

On November 1, 2010, Mr. Art Cox provided access to the northern portion of the Property currently occupied by the Service Yard. Mr. Cox indicated that Service Yard operations will be vacating the Property in the very near future and a new fence will be installed to separate the Property from the on-going portions of the Service Yard to the north. Mr. Cox identified a former pump house where water previously drained from storm drains into a subsurface “sump room” where it was pumped into the Los Angeles River. A replacement pump house was constructed on the parcel adjacent to the north of the Property.

Mr. Cox indicated that at least the northern portion of the contiguous parcels of the Property was previously used as a rail yard prior to its use as the Long Beach Public Service Yard. In addition, Mr. Cox indicated that debris from the 1933 earthquake was observed during the repair of a waterline on parcel 7271-011-900.

10 SITE HISTORY

Site history was evaluated from the following sources:

- Historic U.S. Geological Survey (USGS) topographic maps provided by Environmental Data Resources (EDR) (September 30, 2010).
- Historical aerial photographs dating from 1928, 1947, 1956, 1968, 1976, 1989, 1994, 2002, and 2005 provided by Environmental Data Resources (EDR) (October 4, 2010).
- City of Long Beach Department of Building and Safety building permit information.
- City Directory review report provided by EDR (September 29, 2010) and the in-house library of Long Beach City Directories
- Sanborn Fire Insurance maps from the years 1950 and 1963 obtained from the EDR-Sanborn collection (October 4, 2010).

Copies of topographic maps, aerial photos, Sanborn maps, building permits, and city directories are included on CD in **Appendix C**.

APN/Address	Year	Description	Source
Undetermined	1925	Two buildings are depicted on the southern half of the contiguous portion of the Property	Topo Map
7271-017-900 (940 Pacific Coast Highway)	1928	Vacant	Aerial
	1939	Hotel and Café	Building Permits
	1947	The parcel has been developed with a structure.	Aerial
	1950	The parcel is developed with a 34 room structure.	Sanborn
	1963	The parcel is occupied by the Southern Motel Inn	Sanborn
	1976	The parcel is still occupied by a structure	Aerial
	1990	Demo hotel building to ground level.	Building Permits
	1994	The parcel appear to be vacant (unable to determine if the structure is present in the 1989 aerial due to poor resolution)	Aerial
	2005	Parcel appears similar to current condition	Aerial

APN/Address	Year	Description	Source
7271-012-905 (1601-1607 San Francisco Ave, 921-925 W. 16 th St.)	1947	The parcel has been developed with several structures.	Aerial
	1950	Occupied by Long Beach City Yard. Depicted structures include: offices, cement and car storage, general storage, vehicle storage and repair, and sump/storm drain was located on the southern portion of the parcel.	Sanborn/Building Permits
	1952	Paint Shop and vehicle shed, city public service department	Building Permits/City Directories
	1963	Depicted structures include: “autos and storage,” general storage, and sump/storm drain.	Sanborn
	1964-2006	Long Beach City of Public Service Bureau	City Directories
	1995	Convert storage bldg into traffic signal office	Building Permits
	2006	“SV BUR GAS” is one of several occupants at 1601 San Francisco Ave	City Directories
7271-012-904 (925 W. 15 th St/926 W. 16 th St.)	1950	Vacant	Sanborn
	1963	Occupied by Long Beach City Yard. Depicted structures include: offices, a sign shop, a paint shop, and car storage.	Sanborn
	2005	Parcel appears similar to current condition	Aerial
7271-011-900 (926 W. 15 th St/1451-1485 San Francisco Ave)	1928	The parcel is occupied by several structures	Aerial
	1939 (thru 2000)	Long Beach City Chemistry & Testing Lab (1475 San Francisco Ave) listed as occupant through 2000	City Directories
	1947	The parcel has been developed with numerous structures.	Aerial
	1950	Occupied by Long Beach City Yard. Depicted structures include: a lab, storage facility, a repair shop, a kennel, gas chambers, a hutch, carpentry, and an office.	Sanborn
	1963	Occupied by Long Beach City Yard Maintenance Department. Depicted structures include: a lab, storage facilities, a repair shop, a paint shop with a metal spray booth, and offices.	Sanborn
	2000 (since 1939)	Chemistry Lab still listed as occupant	Building Permits
	2005	Parcel appears similar to current condition	Aerial

APN/Address	Year	Description	Source
7271-008-901 (901-935 W. 14 th St/1401- 1455 San Francisco Ave)	1926	A municipal garage is listed at 1401 San Francisco Ave	City Directories
	1928	The parcel is occupied by several structures	Aerial
	1929	A storage shed and municipal garage owned by the City of Long Beach were located on the Property at 901 W. 14 th Street and 1401 San Francisco Avenue.	Building Permits
	1932	Carpenter Shop and Store Room	Building Permits
	1947	The parcel has been developed with numerous structures.	Aerial
	1950	Occupied by Long Beach Public Service Dept. Depicted structures include: warehouses, woodworking and plumbing, storage, and paint shop.	Sanborn/City Directories
	1963	Additional details indicate operations including: parking Meter Dept, electrical warehouse, surveyors equipment storage, paint storage	Sanborn
	2005	Parcel appears similar to current condition	Aerial
	2008	Removal of 2 USTs @ Site 43 (permit listed under 1725 San Francisco Ave, however the physical location of the USTS is known to be 1445 San Francisco Ave)	Building Permits
7271-007-903 (901-935 W. Anaheim ST./ 1301-1327 San Francisco Ave/ 934-960 W. 14 th St)	1926	Superior Laundry was listed at 1317 San Francisco Ave	City Directories
	1928	The parcel is occupied by several structures	Aerial
	1931- 1935	Gas Station at 949 West Anaheim Street, it is possible that this is a historical address of this parcel.	City Directories
	1939 - 1969	Fickling Lumber Company occupied 929 W. Anaheim St. through 1969.	City Directories
	1947	The parcel has been developed with several structures.	Aerial
	1950	Occupied by Fickling Lumber Company. Depicted structures include: planning mill, lumber shed, dog and cat hospital and kennel, Long Beach Janitor Supply Co and "Co. Chemols"	Sanborn/City Directories
	1956	A road is traversing north to south on the westerly portion of this parcel connecting to 14 th Street.	Aerial
	1963	Occupied by A.E. Fickling Lumber Company. Depicted structures include: lumber storage, a mill, and building supplies. De Forest Avenue traversed north-south through the western portion of the parcel.	Sanborn
	1981	Demolish wood shed	Building Permits
	1982	Construct new office & 10 garages - Permit stamped VOID	Building Permits
	1989	The road is no longer traversing this parcel, the entire parcel appears to be parking	Aerial
	2000	Occupied by Long Beach City Auto Towing Operation	City Directories
	2005	Parcel appears similar to current condition	Aerial

HISTORICAL USE SUMMARY

Historical information indicates that portions of the Property were developed for commercial use as early as 1926, and have been used for commercial or industrial purposes since that time. Superior Laundry was identified in only the 1926 city directory at 1317 San Francisco Avenue. A gas station was identified in the city directories at 949 West Anaheim Street from at least 1931 to 1935. Confirmed street addresses for this portion of the Property are known to be 901-935 West Anaheim Street, however it is possible that the 949 address was part of the Property. A lumber company occupied the southerly parcel from 1939 through the early 1980s, when records indicate that a portion of the Property was redeveloped with the City of Long Beach Tow Yard. Two USTs were removed from the Property under a permit with the address of 1725 San Francisco Avenue; however these USTs are known to be formerly located at 1445 San Francisco Avenue (APN 7271-008-901). The removal of these USTs is further discussed below.

The majority of the contiguous portion of the Property has been predominately occupied by numerous divisions of the City of Long Beach since at least 1929 with operations including: sewer maintenance, street maintenance, chemistry lab, towing operations, and public service. The non-contiguous northerly parcel (APN 7271-017-900 at 940 Pacific Coast Highway) was occupied by a motel from 1939 to 1990, and appears to have been used for materials storage (sand, gravel, equipment, parking, etc.) until recently.

It is possible that the “laundry” facility identified on the Property in 1926 at 1317 San Francisco Avenue also conducted dry cleaning operations. However, any dry cleaning operation in the 1920s would very likely have used a petroleum-based solvent (gasoline or Stoddard), and dry cleaning operations using petroleum products were, in SCS’s experience, unlikely to have resulted in any significant environmental impact to the parcels they occupy. In summary, the presence of a “laundry” or possible dry cleaning operation in 1926 does not represent an environmental concern for the Property.

A gas station was identified at 949 West Anaheim Street from 1931 to 1935. As indicated above, this address is not a known historical address of the Property; however it is possible that it was historically part of the Property. The possible presence of a former gas station on the Property is a historical REC.

HISTORICAL USE OF ADJOINING SITES

Surrounding properties were predominately commercial/industrial and included the following:

North – Pacific Coast Highway, across which included: an auto court and dwellings occupied the area to the north across Pacific Coast Highway. The area was residential by 1963.

East – San Francisco Avenue, across which included: truck parking, vacant lots, Adhor Milk Farms, truck services, liquor market, an office, plumbing supplies, a food facility, a meat refrigeration site, a machine shop, and tourist court units.

South – West Anaheim Street, across which included: a plumbing supply company in 1950 and electric appliance warehouse in 1963.

West –The Los Angeles River Flood Control Channel.

1.1 COMMONLY KNOWN OR REASONABLY ASCERTAINABLE INFORMATION

In order to identify commonly known or reasonably ascertainable information about the Property, SCS reviewed previous environmental reports and various regulatory agency files and interviewed regulatory agency personnel. The following information was identified.

PREVIOUS ENVIRONMENTAL REPORTS

The following reports were reviewed by SCS:

- SCS Engineers, *Phase I Environmental Assessment, Long Beach Public Service Yard, San Francisco Avenue – 7 APNs, Long Beach, California*, dated February 22, 2005 (File No. 01204007.01)
- SCS Engineers, *Phase II Site Investigation Report, Long Beach Public Service Yard, 1601 San Francisco Avenue, Long Beach, California*, dated August 2, 2005 (File No. 01204007.02)
- SCS Engineers, *Groundwater Investigation Report, Former Long Beach City Tow Yard, 901 West Anaheim Street, Long Beach, California*, dated October 17, 2005 (File No. 01204007.02)
- SCS Engineers, *First Quarter 2006 Groundwater Monitoring, 901 West Anaheim, Long Beach, California*, dated April 17, 2006 (File No. 01204007.02).
- SCS Engineers, *Second Quarter 2006 Groundwater Monitoring, 901 West Anaheim, Long Beach, California*, dated July 18, 2006 (File No. 01204007.02).
- SCS Engineers, *Third Quarter 2006 Groundwater Monitoring, 901 West Anaheim, Long Beach, California*, dated October 16, 2006 (File No. 01204007.02).
- SCS Engineers, *Groundwater Monitoring Report, Former Long Beach City Tow Yard, 901 West Anaheim Street, Long Beach, California*, dated April 2010 (File No. 01209295.00)

The Phase I and Phase II conducted by SCS in 2004/2005 included a portion of the Long Beach Public Service Yard (physically located at 1725 San Francisco Avenue, the city block between Esther and 17th Streets and the northern half of the city block between 17th and 16th Streets) that is not included as part of this assessment and therefore are not discussed below. However, it should be noted that the address of 1725 San Francisco Avenue has been used for operations (i.e. UST removal and potentially other waste disposal) throughout the service yard, including portions of the Property covered by this assessment.

Copies of previous reports are included on CD in **Appendix D**.

Phase I Environmental Assessment, February 2005

SCS conducted a Phase I Investigation of the 7 parcels utilized for various operations performed by Long Beach Public Services (e.g. traffic management, street maintenance, and landscaping). At the time of this investigation the Property was still occupied (with the exception of the northerly and southerly parcels [APNs 7271-017-900 and 7271-007-903] and interviews with staff were conducted. The February 2005 Phase I Investigation concluded the following:

- Identified areas of recognized environmental concern include a carwash with a clarifier, a clarifier associated with paint disposal, a fueling station with two USTs (diesel and gasoline), and several hazardous materials storage areas.
- Historic operations on the Property included vehicle and equipment maintenance, paint shop, chemical laboratory, landscaping departments, machine shop, etc. The locations and nature of these operations appears to be transitory, and it is possible that waste oils, various pesticides, oils, paint and solvents have spilled or leaked over the 70 plus years of operation.
- Long Beach Fire Department information indicated that there are two 12,000-gallon USTs are currently in use, one gasoline and one diesel. These tanks are located on parcel 7271-008-901, between Cowles and 14th Street. There was no evidence in Long Beach Fire Department records that leaks or spills related to these USTs had occurred. (Note, these USTs have since been removed and are further discussed elsewhere in this report.)
- City personnel indicated that fill material was placed on the western portion of the Property; the source of this material is unknown, but may include debris from the 1933 earthquake. Building debris from 1933 may contain asbestos, lead-based paint, or other issues of potential environmental concern. An obvious elevated area was noted on the northwestern portion of parcel 7271-011-900 (between 15th and Cowles Streets).
- Long Beach Department of Human Health Services (DHHS) records indicated that crushing of mercury and sodium street lights in a dumpster was conducted at the Street Lighting Division (1601 San Francisco Avenue); a water spray used to control dust caused water runoff from the dumpster. It is possible that mercury and other metals incorporated into the runoff have impacted the area.
- Possible releases of waste oils, pesticides, chemicals, paint, and solvents, may have resulted from historical operations on the Property (e.g., chemical storage and use areas, paint shop, chemical laboratory, machine shop, etc.).
- Permits for two groundwater monitoring wells for Los Angeles County, and one well for Long Beach Public Works, were identified for the Property or immediate surrounding area in 1994 and 1995. The status of these wells is unknown.
- Regulatory database information indicated that numerous sites within 0.25 miles of the Property have had releases of substances including hydrocarbons and volatile organic compounds, and groundwater in the area has been impacted. Based on this information, it is possible that impacted groundwater from these sites has migrated beneath the Property.

- Two historic USTs were identified on the Property (as it is currently defined) as follows:
 - 1,000-gallon unused UST (located on the western portion of 16th Street right-of-way just south of APN 7271-012-905), originally meant for solvent/kerosene, installed on July 19, 1988 and removed in January 1999. Regulatory closure received from the Joint Powers Agency (currently the DHHS) in a “No Further Action” Letter dated March 25, 1999.
 - 550-gallon gasoline UST – An “UST Unauthorized Release (Leak) / Contamination Site Report” dated May 29, 1996 indicated that on August 30, 1995 it was discovered that an unknown quantity of gasoline leaked from a 30 plus year old UST. This UST, formerly located in the 14th Street right-of-way 146 feet west of San Francisco Avenue and immediately north of the Tow Yard at 901 Anaheim, was removed by Maness Environmental on August 30, 1995. Soil and groundwater impacts were confirmed in investigations of the area. In a letter dated April 2, 2001, DHHS referred this case to the Regional Water Quality Control Board (RWQCB). The Reynolds Group (TRG) prepared a workplan dated November 15, 2001 which was submitted to the RWQCB. The TRG Workplan was approved by the RWQCB in a letter dated February 19, 2002. No other information regarding this site was available in regulatory files at the time of the February 2005 Phase I, however groundwater has since been investigated and is discussed below.

The 2005 Phase I identified the following records that may be related to one or more of the USTs discussed above, or may be related to other historic USTs on the Property (as previously indicated, the physical address of 1725 San Francisco Avenue is not part of the Property, however the address has been used for operations on other parts of the Property):

- Motor Oil UST – An UST Unauthorized Release (Leak)/Contamination Site Report dated August 4, 1995 indicated that 110 gallons of new motor oil were spilled from piping at 1725 San Francisco. No additional information regarding the location, investigation or regulatory status of this “unauthorized release” was identified in LBFD records.
- 10,000-gallon diesel UST – A “Flammable Liquids Permit,” issued on January 10, 1969, for the Public Service Yard at 1725 San Francisco Street, indicated that a 10,000-gallon diesel UST was to be installed on the Property. The permit also indicated that including this tank; there were a total of two tanks (with 20,000-gallons of capacity) and one pump at this address. Another permit application for a 10,000-gallon diesel fuel UST, for the City Public Service Yard at 1725 San Francisco Avenue, was approved on March 29, 1976; this permit may be related to an existing UST. No further information was found regarding the location or disposition of these tanks. Either or both of these records may be related to a diesel UST removed by McLaren Hart in 1999. However, there is a discrepancy with regard to the installation date; the 10,000-gallon UST removed by McLaren Hart was reportedly installed in November 1959.
- Gasoline UST – A sketch map dated September 20, 1979 was identified with the address of 1601 San Francisco Avenue. Notes on the map indicated that this was a City of Long Beach project related to the installation of vapor recovery line for an existing gasoline

tank. No further information related to this tank was identified. No details were present on the map to indicate the size or location of the tank. This record may be related to the 550-gallon gasoline UST at 901 Anaheim, or the 10,000-gallon unleaded gasoline located at 1725 San Francisco, reportedly installed in 1966 and removed in January 1999.

Based on the RECs discussed above, SCS recommended further investigation.

Phase II Site Investigation Report, August 2005

In June 2005, SCS conducted a Phase II Investigation of the Property to address the RECs identified during the SCS Phase I Assessment. The investigation included the collection and analysis of 30 soil vapor samples to assess for the presence of volatile organic compounds (VOCs) and drilling 26 exploratory borings to depths ranging from one to ten feet below ground surface (bgs). Soil samples were collected and selectively analyzed for total petroleum hydrocarbons, heavy metals, organochlorine pesticides, and/or VOCs. The findings of the investigation were as follows:

- Soils containing chemicals of potential concern were identified in the areas of fill soils, streetlight crushing area, and car wash clarifier. None of the other areas – including the various chemical storage areas, paint shop, chemical lab, and machine shop – appear to have resulted in any significant environmental impact to the Property.
- None of the soil samples contained concentrations of petroleum hydrocarbons above the RWQCBs Soil Screening Levels (SSLs). No organochlorine pesticides were detected in the samples analyzed.
- Only trace concentrations of 1,1,1-TCA (2.6 ug/l in one of 30 samples) and PCE (up to 5.9 ug/l in 3 of 30 samples) were sporadically detected in soil vapor samples. In 2005, based on experience with similar sites, SCS concluded that concentrations of volatile organic compounds (VOCs) in this range were generally not of concern to regulatory agencies.
- Soil gas samples collected and analyzed from around the fueling station did not detect any concentrations of fuel-related constituents, indicating that there was no significant impact to the Property from the two USTs.
- VOCs were not detected in soil and soil gas samples collected and analyzed from the area of the paint clarifier. Based on these results, no significant environmental impact to the Property was anticipated from the paint clarifier.
- Soil gas samples in the area of the car wash clarifier did not contain detectable concentrations of VOCs. However, a soil sample from this area at five feet bgs (B5-5) contained elevated concentrations of metals, including arsenic (110 mg/kg), chromium (62 mg/kg), copper (920 mg/kg), lead (2,400 mg/kg), nickel (59 mg/kg), and zinc (3,400 mg/kg). The source of the metals in soil is unknown; they may be related to historic operations in this area, or to fill soils (the area is topographically elevated with respect to the area to the east). In addition, elevated concentrations of lead (up to 1,300 mg/kg) were identified in several other samples from suspected fill areas. Additional investigation and remediation for metals was recommended prior to any redevelopment of this area of the Property.

- Three groundwater monitoring wells reportedly installed on or adjacent to the Property could not be located, and are presumed to have been appropriately destroyed. No further investigation with respect to these wells was recommended.

The approximate area of fill soils as determined from the Phase II Investigation is depicted on **Figures 4a and 4b**.

Groundwater Investigation Report, Former Long Beach City Tow Yard, October 2005

In 2005, further investigation of the 550-gallon gasoline UST at 901 West Anaheim Street was conducted. In June 2005, under the oversight of SCS, six borings were advanced to a depth of 14 feet bgs. Soil samples were analyzed for TPH as gasoline and VOCs. Groundwater was encountered at approximately 12 feet bgs. Groundwater samples were also collected from each of the borings and analyzed for TPH as gasoline and VOCs. In July 2005, three groundwater monitoring wells were installed on the Property in the vicinity of the former UST. Soil samples were also collected and analyzed during the installation of the wells. In August 2005, groundwater flow direction was towards the southeast.

Soils in the area of the former UST were impacted with TPH as gasoline (up to 1,500 milligrams per kilogram [mg/kg]), benzene (up to 300 micrograms per kilogram [µg/kg]), ethylbenzene (up to 34,000 µg/kg), and xylenes (up to 34,000 µg/kg). Groundwater samples collected from the monitoring wells indicated concentrations of TPH as gasoline (up to 0.189 milligrams per liter [mg/L]), ethylbenzene (up to 1.2 micrograms per liter [µg/L]), xylenes (up to 4.8 µg/L), methyl tert butyl ether (MTBE, up to 3.9 µg/L), and tert butyl alcohol (TBA, up to 38.8 µg/L).

SCS concluded that impacts to the soil did not appear to have resulted in significant impact to the groundwater, and recommended continued groundwater monitoring to establish a baseline of data that could be used to justify closure by the RWQCB. SCS also recommended that soil remediation should be conducted with proposed future development, so that remediation goals would be consistent with future use.

SCS Engineers, April, July, and October 2006

Three additional rounds of groundwater sampling were conducted in March, June, and September 2006. Groundwater was collected from the three monitoring wells on the Property and analyzed for TPH as gasoline and VOCs. Groundwater flow direction was towards the southeast during each event. Groundwater samples collected from the monitoring wells indicated concentrations of TPH as gasoline (up to 1.84 mg/L), benzene (up to 45.8 µg/L), ethylbenzene (up to 58.7 µg/L), xylenes (up to 9.4 µg/L), and MTBE (up to 2.8 µg/L). SCS concluded that the groundwater monitoring results were similar to the initial event and that further monitoring was not warranted.

Groundwater Monitoring Report, Former Long Beach City Tow Yard, April 2010

The three monitoring wells were monitored again in February 2010. Groundwater was measured at depths between 3.90 and 4.98 feet bgs in the three wells with a flow direction to the southeast. The report concluded that the concentrations of fuel-related constituents in groundwater were

similar to or lower than concentrations from the 2006 groundwater monitoring events. SCS concluded that further investigation or monitoring was not warranted and that the data support closure for groundwater.

It was further concluded that residual hydrocarbon concentrations in soil were above generally-accepted cleanup goals and that remediation of soils was therefore warranted. SCS recommended that soil remediation be conducted with proposed future development, so that remediation goals would be consistent with future use.

The RWQCB responded to this report in a letter dated November 2, 2010 requiring semi-annual groundwater monitoring to verify concentrations remain low. The RWQCB also indicated that a Remedial Action Plan for soil remediation be submitted along with a schedule, or that a soil vapor survey be conducted to assess the human health risks to determine if the case can be closed with the current residual soil impacts.

REGULATORY AGENCY RECORDS

Local regulatory agencies and other sources were contacted in an effort to identify any known or suspected contamination sites or incidents of hazardous waste storage or disposal which might have resulted in soil or groundwater contamination within a one-mile radius of the Property. Within the City of Long Beach, the Long Beach Fire Department generally acts as the lead enforcement agency for underground storage tank compliance. If soil or groundwater contamination is suspected, the Long Beach Department of Health and Human Services (DHHS) generally acts as the lead enforcement agency for subsequent investigations. However, if groundwater has been affected, the RWQCB generally becomes the lead agency for contamination characterization and cleanup.

Long Beach Department of Health and Human Services Files

Records were requested from the DHHS regarding UST(s) and hazardous material usage/disposal for the Property. Only records from 2004 to the present were reviewed (since the previous Phase I Assessment), and all of the records were under the address of 1725 San Francisco Avenue (the current address for the City of Long Beach Public Works Yard). The only available records related to the two 12,000-gallon USTs removed in 2008 at 1445 San Francisco Avenue, discussed below

An Underground Storage Tank Removal Report, dated August 7, 2008 was available for the removal of two 12,000-gallon USTs (one gasoline and one diesel). The tanks, installed November 1998 were removed on July 2, 2008. The USTs were reportedly in good condition upon removal, however, approximately two feet of groundwater filled into the UST excavation upon removal and free product diesel was observed floating on the groundwater in the southwest corner of the excavation. The fuel was reportedly leaked into the pea-gravel backfill surrounding the USTs during the excavation of one of the dispenser pans. Mitigation methods included using absorbent pads to skim the free product and a vacuum truck to remove approximately 5,000-gallons of groundwater. Analysis of soil samples collected from beneath each end of the USTs (at 16 feet below grade) and beneath each dispenser (at 6 feet below grade) indicated that no detectable concentrations of petroleum hydrocarbons to volatile organic compounds were present.

Because of the potential impact to groundwater observed during removal, the DHHS referred the case to the RWQCB in an email dated October 10, 2008. In the email, the DHHS asked the RWQCB if a “no further action” letter should be issued. The RWQCB opened a case (T0603701971) and issued a letter dated November 24, 2008 requesting additional information. At this time it does not appear that a “no further action” letter has been issued.

A copy of the available UST removal report is included on CD in **Appendix D**.

1.2 REVIEW OF FEDERAL, STATE, TRIBAL, AND LOCAL GOVERNMENT DATABASES

A database search for sites listed on various federal, state, tribal, and local databases in the area around the Property was obtained from EDR (September 29, 2010). A description of each of the databases searched is included in the report, which is attached on CD as **Appendix E**. Among the databases included in the EDR report are NPL (federal, tribal, and state-equivalent), proposed and delisted NPL, CORRACTS (RCRA facilities subject to corrective actions), hazardous waste sites identified for investigation or remediation (CERCLIS, State CERCLIS, VCP, Brownfields Calsites, etc.), LUST, sites with engineering controls, former CERCLIS (NFRAP), RCRA and state hazardous waste generators, ERNS, SWLF, USTs, and Toxic Pits.

The review of the records satisfies all requirements as set forth in 40 CFR Section 312.26 (b) and (c) with regard to the review of federal, tribal, and state government records of databases of such government records and local government records and databases of such records pertaining to both the subject property and the nearby or adjoining properties. Further, the search distances for each particular database are as specified in 40 CFR 312.26.

Any known or suspected contaminated sites included on these lists within 0.25 miles of the Property are discussed in the following text. As a general rule, sites beyond 0.25 miles are not anticipated to impact a site significantly. Any sites beyond 0.25 miles with a high potential to impact the Property are also discussed. (Please note: the distances and directions listed in this report have been field verified and might not always match those in the EDR report.)

Sites such as TSD facilities, hazardous waste generators, HAZNET, FINDS, SQGs, LQGs, USTs, HIST UST, RCRA violations, and TRIS facilities with toxic chemical releases (generally in accordance with permitting requirements - into the air, water, or land as reported under SARA Title III) use or store hazardous materials and thus may pose a potential problem in the event of a spill or leak. However, unless these sites also appear in an agency list of contaminated sites, there is no evidence of any problems at this time. Therefore, sites on these lists will not be discussed unless on or in close proximity to the Property.

Please refer to **Appendix E** (on CD) for further information on these sites.

PROPERTY LISTINGS

The Property is variously identified in the EDR database report as the Vehicle Tow Yard, Long Beach City Tow Yard, City of Long Beach Towing Operations, Public Service Yard, City of Long Beach Public Works, City of Long Beach Public Service Department, City of Long Beach Public Service Yard, City of Long Beach Testing Lab, Public Service Transfer Station #2, and

City of Long Beach; with addresses of 901 and 929 West Anaheim and 1475, 1601 and 1725 San Francisco Avenue.

The Property is identified on the HAZNET, Historical Cortese, CDL, LUST, RCRA-SQG, FINDS, SWF/LF, EMI, and UST databases as follows:

Listing	Address	Owner	Comments
A3 Hist Cortese	901 Anaheim	Vehicle Tow Yard	No information on the nature of the listing, however, the Cortese list consists predominantly leaking UST sites. See below.
A6 LUST	901 W. Anaheim St.	Long Beach City Tow Yard	There is currently an open RWQCB Leaking UST (LUST) case (Global ID T0603701960) at this address on the Property. The UST was found after the City of Long Beach purchased the land. A gasoline release was discovered during tank removal in August 1995. This information corresponds to the 550-gallon UST previously discussed.
A7 HAZNET,CDL	901 West Anaheim	City of Long Beach Towing Operations	<u>HAZNET</u> This listing is related to the removal of the following wastes: organic solids, oil-containing waste, and aqueous solution with organic residues. <u>CDL</u> This listing indicates and illegal drug lab was operated or drug lab equipment/materials stored or found in a vehicle.
A2 UST	929 West Anaheim (This address corresponds to the same parcel as 901 Anaheim and is likely related)	City of Long Beach	<u>UST</u> No information on the UST given.
41 Hist Auto Station	949 West Anaheim (unconfirmed potential address of the Property)	J.S. MisRack	Gasoline and oil service station reported for 1931 and 1935.

Listing	Address	Owner	Comments
A5 RCRIS-SQG, FINDS	1475 San Francisco	City of Long Beach Testing Lab	Operations at this location generated small quantities of hazardous waste. No related violations were identified.
A4 RCRIS-SQG, FINDS	1601 San Francisco	City of Long Beach Public Service Department	Operations at this location generated small quantities of hazardous waste. No related violations were identified.
A8/A10 SWF/LF, HAZNET, EMI	1601 San Francisco	City of Long Beach Public Works	The <u>SWF/LF</u> listing is related to the limited-volume transfer station operations; green materials, mixed municipal wastes. <u>HAZNET</u> Listing related to the manifesting of latex waste, tank bottom wastes, asbestos-containing wastes, unspecified solvent and organic liquid mixtures waste, waste oil and mixed oil, unspecified oil-containing waste, etc. <u>EMI</u> National Emissions Inventory- these listings are usually related to air emissions, such as spray painting operations.
79 SWF/LF	East site of 710HWY- between Anaheim ST./P.C.H.	Public Service Transfer Station #1	The <u>SWF/LF</u> listing is related to the limited-volume transfer station operations for green materials. It is anticipated that this listing is the same as the one listed above for 1601 San Francisco.

Listing	Address	Owner	Comments
A9 Hist Cortese, LUST, HAZNET	1725 San Francisco (physically not part of the Property, however LUST case #1 refers to the USTs removed from APN 7271-008- 901 [1445 San Francisco Ave] as previously discussed. It is not likely that the motor oil case is associated with the Property)	Public Service Yard	<u>LUST 1</u> Diesel affected soil only Case is listed as an open RWQCB case (Global ID T0603701971). <u>LUST 2</u> Leak of motor oil discovered 8/4/95 after piping failure. Case is listed as preliminary site assessment underway. No closure reported. This case does not appear to be associated with the Property. <u>HAZNET</u> Listing related to the manifesting of tank bottom wastes, asbestos- containing wastes, unspecified solvent and organic liquid mixtures, unspecified oil-containing waste, etc. <u>Cortese</u> No information on the nature of the listing.
A1 UST	1725 San Francisco (physically not part of the Property)	City of Long Beach Public Service Yard	<u>UST</u> Dual walled UST listed for this address. This UST does not appear to be located on part of the Property.

All of the Historical Cortese, UST, and LUST database listings appear to relate to underground storage tanks that have been previously discussed in this report.

The HAZNET database indicated that various types of materials have been removed under manifest at 901 West Anaheim and 1601 San Francisco Avenue. These wastes were likely the result of the various vehicle maintenance operations, construction activities, painting operations, UST removals, etc. that have taken place on the Property during years of operation by the City of Long Beach.

The RCRA-SQG database, which is a list of sites that generate, transport, store, treat and/or dispose of small quantities of hazardous waste, did not provide any information pertaining to the nature of the materials generated on the Property; however, the entries indicated that no violations were found.

The FINDS database, which lists other databases that a site is included in, indicated that the Property is listed on the National Emissions Inventory and the Resource Conservation and

Recovery Act Information System databases. This listing is likely due to historic or on-going operations such as the paint booth, fuel station, etc.

The solid waste information system database (SWF/LF) typically contains an inventory of active, closed, and inactive landfills or disposal facilities. The listing for the Property indicated that a limited volume transfer operation, which included green materials and mixed municipal waste, existed at 1601 San Francisco Avenue. Since no waste material was permanently stored at this facility, no significant environmental impact is anticipated with respect to this listing.

The Emissions Inventory Database (EMI) indicates facilities whose emissions data have been collected by various air pollution agencies. No information was given regarding the nature of the data that was collected for the Property. It is likely this listing was related to the paint booth and/or fueling station.

Other Database Sites

The EDR database lists the following sites within a one-mile radius of the Property. Some sites may be listed on more than one database. Some sites may be listed more than once within the same database.

Database	Number of Sites (NR = Not Reported)		
	0 – 1/4 miles	1/4 – 1/2 miles	1/2 - 1 mile
US EPA National Priority List (NPL)	0	0	0
US EPA CERCLIS (sites under review for inclusion of the NPL)	0	0	NR
US EPA RCRA Corrective Actions (CORRACTS)	0	0	1
US EPA Hazardous Waste Generators	16	NR	NR
California Superfund (SPL)	0	0	0
California equivalent CERCLIS (EnviRostor)	1	3	9
California Leaking Underground Storage Tanks (LUST)	14	22	NR
California Solid Waste & Landfill Facilities (SWLF)	1	0	NR
California Registered Underground Storage Tanks (UST)	69	NR	NR
California State Spills List (SLIC)	9	6	NR

According to the EDR database, numerous sites within 0.25 miles of the Property have had releases of substances including hydrocarbons and volatile organic compounds, and groundwater

in the area has been impacted. Based on this information, it is possible that impacted groundwater from these sites has migrated beneath the Property.

Unmappable or Orphan Sites

A total of 40 unmappable sites were identified in the EDR Report. Unmappable sites cannot be plotted by EDR due to inaccurate or incomplete addresses. Based on review of the provided data, including the estimated locations of the unmappable sites in relation to the Property, it appears unlikely that the unmappable sites have adversely affected the environmental condition of the Property.

LANDFILLS

A review of the Major Waste Systems Map (June 1972, revised August 1976) was conducted to locate any landfills or transfer stations within a one-mile radius of the Property. No landfills or transfer stations were observed to be within 0.5 mile of the Property according to the Major Waste Systems Map.

According to the Solid Waste Information System database provided by EDR, one active transfer station (Public Service Transfer Station #1) is located near the Property (page 99 of EDR report 02881976.2r). According to EDR, this facility is located east of the 710 Freeway between Anaheim Street and Pacific Coast Highway. However, the available information indicates the City of Long Beach Department of Public Works operates this facility and the address is 1601 San Francisco Avenue. This is likely the same listing discussed above, which is related to the limited volume transfer operation that accepts green materials (e.g., yard wastes, plant cuttings, etc.)

OIL AND GAS WELLS

SCS reviewed relevant information from the California Department of Conservation, Division of Oil, Gas and Geothermal Resources (DOGGR) regarding oil and gas exploration activities in this portion of Long Beach. DOGGR maps (Nos.131 and 127) indicated that numerous oil wells are present approximately 300 feet west and southwest of the Property across the Los Angeles River Flood Control Channel. Since these wells are on the opposite side of the river, no significant environmental impact to the Property is anticipated from oil and gas exploration or production.

13 USER PROVIDED INFORMATION

Alere Property Group, LLC provided no information beyond what is discussed below.

TITLE RECORDS

No chain-of-title records were provided to SCS for review.

ENVIRONMENTAL LIENS OR ACTIVITY AND USE LIMITATIONS

No information regarding any environmental liens, clean ups or land use limitations associated with the Property was provided to SCS.

SPECIALIZED KNOWLEDGE

No specialized environmental information pertaining to the Property was provided to SCS.

VALUATION REDUCTION FOR ENVIRONMENTAL ISSUES

No information pertaining to Property valuation was provided to SCS.

1.4 DEGREE OF OBVIOUSNESS OF THE PRESENCE/LIKELY PRESENCE OF CONTAMINATION ON THE PROPERTY

The Property was previously utilized for various operations performed by Long Beach public service departments (e.g. traffic management, street maintenance, and landscaping). Numerous potential environmental concerns were identified on the southern portion of the Property (excluding the noncontiguous northern parcel), including fill material containing debris from the 1933 earthquake and petroleum-related impacts to soil and/or groundwater from underground fuel storage tanks. Further, historic operations on these parcels have included vehicle and equipment maintenance, painting shop, chemical laboratory, landscaping departments, machine shop, etc. The locations and nature of these operations appears to be transitory, and it is possible that waste oils, various pesticides, oils, paint and solvents were spilled or leaked over the 70 plus years of operation.

Based on these concerns, in June 2005, SCS conducted a Phase II Site Investigation of the Property. The results of the investigation identified elevated levels of metals in association with fill soils at the Property and recommended further investigation at the time of redevelopment. SCS also identified only trace concentrations of VOCs in soil and soil vapor and concluded that concentrations of VOCs in that range are generally not of concern to regulatory agencies. There were apparently no significant changes in service yard operations over the last five years (with the exception of their reduction or cessation). Therefore, no significant changes in the nature or extent of contamination are anticipated since the 2005 Phase II Investigation.

SCS has conducted an investigation of soil and groundwater in association with a former 550-gallon UST in the 14th Street right-of-way, as well as several rounds of groundwater monitoring. Based on the results of these investigations, SCS concluded that the data support closure for groundwater. However, SCS recommended that remediation of TPH-impacted soils associated with this UST should be conducted in conjunction with proposed future development. The RWQCB issued a letter on November 2, 2010 requiring semi-annual groundwater monitoring to verify concentrations remain low. The RWQCB also indicated that a Remedial Action Plan for soil remediation be submitted along with a schedule, or that a soil vapor survey be conducted to assess the human health risks to determine if the case can be closed with the current residual soil impacts.

The results of this assessment identified a historical gas station at 949 West Anaheim, which may have been located on the Property.

In summary, at the time of any future redevelopment, SCS recommends remediation (and further investigation, as necessary) for fill soils, the carwash clarifier, and the former 14th Street UST.

In addition, further investigation of the possible historic gas station at 949 West Anaheim may be warranted at this time.

1.5 DATA GAPS

A data gap represents an inability on the part of the environmental professional to obtain information required by the standards and practices of 40 CFR 312 to fully identify conditions indicative of releases or threatened releases of hazardous substances on, at, in, or to the Property.

The northern most parcel, APN 7271-017-900, was unoccupied, fenced, locked, and not accessible for inspection. This portion of the Property was inspected from the sidewalk. This is not a significant data gap because as a vacant lot, this parcel could be viewed and examined from the sidewalk and surrounding area.

1.6 FINDINGS AND OPINIONS

Based on the scope of work performed, SCS finds the following:

- The Property consists of five and half rectangular Los Angeles County Tax Assessor's Parcels that total approximately 544,440 square feet in area and have most recently been associated with the City of Long Beach Public Service Yard. The Property is located west of San Francisco Avenue and east of the Los Angeles River between Pacific Coast Highway and Anaheim Street in Long Beach, California. The southern-most parcels of the Property are contiguous and include the intervening street rights-of-way, which have been incorporated into the Property. Addresses historically used for the Property include 901 West Anaheim Street, and 1409, 1445, and 1601 San Francisco Avenue. The address of 1725 San Francisco Avenue, although physically related to the parcels north of the Property and still occupied by the City of Long Beach, was also sometimes used for operations on the Property.

The northern-most parcel (940 Pacific Coast Highway, APN 7271-017-900) is located on the north side of the adjacent city block, approximately 700 feet north of the other parcels.

- The Property is predominately vacant/abandoned with the exception of two areas currently occupied by the City of Long Beach. City personnel provided access to these two areas that remained occupied. The Property was previously utilized for various operations performed by Long Beach public service departments (e.g. traffic management, street maintenance, and landscaping). The Property is occupied by numerous buildings and storage sheds. A carwash, two clarifiers, paint spray booth, chemical cabinet and former fueling station were also observed on the Property. SCS previously conducted a Phase I Assessment (SCS, February 22, 2005) of the Property in 2004/2005 for the City of Long Beach. Numerous potential environmental concerns were identified on the southern portion of the Property (excluding the noncontiguous northern parcel), including fill material containing debris from the 1933 earthquake and petroleum-related impacts to soil and/or groundwater from underground fuel storage tanks. Further, historic operations on these parcels have included vehicle and equipment maintenance, painting shop, chemical laboratory, landscaping departments, machine shop, etc. The locations and nature of these operations appears to be transitory, and it is possible that waste oils, various

pesticides, oils, paint and solvents were spilled or leaked over the 70 plus years of operation.

- A previous Phase II investigation (SCS, August 2, 2005), identified heavy metals in soils in the area of the car wash clarifier and fill soils. Based on the results of previous investigations and continued site operations with a potential for chemical releases, the two remaining clarifiers and paint spray booth are considered recognized environmental conditions (RECs). Based on the results of the previous SCS Phase II investigation by SCS in 2005, the previously identified hazardous materials storage areas, previous use of solvents, and former fueling station are considered historical RECs. There were apparently no significant changes in service yard operations over the last five years (with the exception of their reduction or cessation). Therefore, no significant changes in changes in the nature or extent of contamination are anticipated since the 2005 Phase II Investigation.
- Interviews conducted with City of Long Beach staff during the 2004 site inspections revealed that fill material was likely placed on the western portion of the Property; the source of this material is unknown, but may include debris from the 1933 earthquake. Mr. Cox indicated that debris was encountered on parcel 7271-011-900 during the repair of a waterline. Building debris from 1933 may contain asbestos, lead-based paint, or other issues of potential environmental concern. An obvious elevated area was noted during the site inspection on the northwestern portion of parcel 7271-011-900 (between 15th and Cowles Streets).
- Historical information indicates that portions of the Property were initially developed for commercial use as early as 1926, and have been used for commercial or industrial purposes since that time. Historical information identified two previous occupants of the Property considered historic RECs; Superior Laundry at 1317 San Francisco Avenue in 1926 and a gas station at 949 West Anaheim from at least 1931 through 1935.

It is possible that the laundry operations could have included dry cleaning. However, based on SCS's experience, any dry cleaning operation in the 1920s would very likely have used a petroleum-based solvent (gasoline or Stoddard), and dry cleaning operations using petroleum products were unlikely to have resulted in any significant environmental impact to the parcels they occupy. In summary, in SCS's opinion, the presence of a "laundry" or possible dry cleaning operation in 1926 does not represent a current REC for the Property

The address of the historical gas station at 949 West Anaheim Street is not a confirmed address on the Property; however it may nevertheless have been located on the southern-most parcel, APN 7271-007-903. Historic aerial photographs show a building on the southeastern corner of this parcel in 1928. This possible historic gas station is considered a REC.

- Historical information identifies four known underground storage tanks (USTs) historically located on the Property as follows: (1) a 1,000-gallon unused UST; (2) 550-gallon gasoline UST; and (3) two 12,000-gallon USTs (one diesel, one gasoline) as part of a former fueling station. The current known status of these USTs are as follows:

- (1) A 1,000-gallon unused UST was located on the western portion of the 16th Street right-of-way just south of APN 7271-012-905 (**Figure 4a**). This UST was originally meant to contain solvent/kerosene, was installed on July 19, 1988, and removed in January 1999. Regulatory closure was received from the Joint Powers Agency (currently the Long Beach Department of Health and Human Services [DHHS]) in the “No Further Action” Letter dated March 25, 1999.
- (2) A 550-gallon gasoline UST was located in the 14th Street right-of-way just north of APN 7271-007-903 (**Figure 4b**). An “UST Unauthorized Release (Leak)/Contamination Site Report” dated May 29, 1996 indicated that on August 30, 1995 it was discovered that an unknown quantity of gasoline leaked from a 30 plus year old UST at 901 West Anaheim Street. This UST was removed by Maness Environmental on August 30, 1995.

SCS installed three groundwater wells in July 2005 and five groundwater monitoring events have been conducted since. Groundwater flow direction has been to the southeast with groundwater most recently encountered (February 2010) at depths between 3.90 and 4.98 feet below ground surface (bgs). Groundwater samples have contained concentrations of total petroleum hydrocarbons (TPH) as gasoline (up to 1.84 milligrams per liter [mg/L]), benzene (up to 45.8 micrograms per liter [µg/L]), toluene (up to 2.8 µg/L) ethylbenzene (up to 58.7 µg/L), xylenes (up to 9.4 µg/L), and MTBE (up to 3.9 µg/L). SCS concluded that concentrations of fuel-related constituents in groundwater have remained relatively stable between 2005 and 2010. Based on this information, SCS concluded that further investigation or monitoring was not warranted and that the data support closure for groundwater.

However, historical information indicates that residual hydrocarbon concentrations in soil are above generally-accepted cleanup goals and that remediation of soils is therefore warranted. SCS has recommended that soil remediation be conducted with proposed future development, so that remediation goals would be consistent with future use.

The RWQCB issued a letter on November 2, 2010 requiring semi-annual groundwater monitoring to verify concentrations remain low. The RWQCB also indicated that a Remedial Action Plan for soil remediation be submitted along with a schedule, or that a soil vapor survey be conducted to assess the human health risks to determine if the case can be closed with the current residual soil impacts.

- (3) Two 12,000-gallon USTs were located at the northeast corner of APN 7271-008-901 at 1445 San Francisco Avenue (**Figure 4b**). Long Beach DHHS files revealed an Underground Storage Tank Removal Report, dated August 7, 2008 for the removal of two 12,000-gallon USTs (one gasoline and one diesel). The tanks, installed November 1998 were removed on July 2, 2008. The USTs were reportedly in good condition upon removal, however, approximately two feet of groundwater filled into the UST excavation upon removal and free product diesel was observed floating on the groundwater in the southwest corner of the excavation. The fuel was reportedly leaked into the pea-gravel backfill surrounding the USTs during the excavation of one of the dispenser pans.

Mitigation methods included using absorbent pads to skim the free product and a vacuum truck to remove approximately 5,000 gallons of groundwater. Analysis of soil samples collected from beneath each end of the USTs (at 16 feet below ground surface [bgs]) and beneath each dispenser (at 6 feet bgs) indicated that no detectable concentrations of petroleum hydrocarbons to volatile organic compounds were present.

As a result of the impact to groundwater observed during removal, the DHHS referred the case to the RWQCB in an email dated October 10, 2008. In the email, the DHHS asked the RWQCB if a “no further action” letter should be issued. The RWQCB opened a case (T0603701971) and issued a letter dated November 24, 2008 requesting additional information. At this time it does not appear that a “no further action” letter has been issued. SCS recommends following up with the RWQCB to obtain the “no further action” letter.

- Regulatory database information identified the Property on the HAZNET, Historical Auto Station, Historical Cortese, CDL (clandestine drug lab) LUST, RCRA-SQG, FINDS, SWF/LF, EMI, and UST databases. The Cortese, LUST and UST database listings appear to relate to the historic UST operations, removals, and cleanups. Other EDR report information indicated that wastes such as organic solids, oil-containing wastes, aqueous solutions with organic residues, asbestos containing waste, unspecified solvent mixture waste, and waste oil and mixed oil, were used on the Property. Additionally, the database report indicated that a historical gas station (949 W. Anaheim St.), transfer station operation, and illegal drug lab formerly existed on the Property.
- Observations during the site inspection indicate that adjacent properties are currently occupied by numerous commercial/industrial operators. No obvious RECs for the Property were identified on these adjacent sites. However, regulatory database information also indicates that numerous sites within 0.25 miles of the Property have had releases of substances including hydrocarbons and volatile organic compounds, and groundwater in the area has been impacted. Based on this information, it is possible that impacted groundwater from these sites has migrated beneath the Property.
- Records were requested from the DHHS regarding UST(s) and hazardous material usage/disposal for the Property. Only records from 2004 to the present were reviewed (since the previous Phase I Assessment), and all of the records were under the address of 1725 San Francisco Avenue (the current address for the City of Long Beach Public Works Yard). The only available records related to the two 12,000-gallon USTs removed in 2008 at 1445 San Francisco Avenue, discussed above.
- A Phase II Investigation was conducted by SCS in 2005 (SCS, August 2, 2005) to address the RECs identified in the Phase I report (SCS, February 22, 2005). The Phase II report concluded the following:
 - o No significant concentrations of petroleum hydrocarbons (above Soil Screening Levels) were detected in soils during the Phase II Investigation. Only trace concentrations of 1,1,1-TCA (2.6 ug/l in one of 30 samples) and PCE (up to 5.9 ug/l in 3 of 30 samples) were sporadically detected in soil vapor samples. In

2005, based on experience with similar sites, SCS concluded that concentrations of volatile organic compounds (VOCs) in this range were generally not of concern to regulatory agencies.

- o Soil gas samples in the area of the carwash clarifier and paint clarifier did not contain detectable concentrations of VOCs.
- o Soil gas samples in the area of the car wash clarifier did not contain detectable concentrations of VOCs. However, a soil sample from this area at five feet bgs contained elevated concentrations of metals, including arsenic, chromium, copper, lead, nickel and zinc. The source of the metals in soil is unknown; they may be related to historic operations in this area, or to fill soils (the area is topographically elevated with respect to the area to the east). In addition, elevated concentrations of lead were identified in several other samples from suspected fill areas. Soils may contain metals at concentrations that may be a potential risk to human health, or require special consideration (i.e., additional testing and characterization) prior to removal and/or disposal. Additional investigation and remediation for metals is recommended prior to any redevelopment of this area of the Property.

Conclusions

In summary, SCS has performed a Phase I Environmental Site Assessment of five and a half parcels (between Pacific Coast Highway and West Anaheim Streets to the east of the Los Angeles River Flood Control Channel; APNs 7271-017-900, 7271-012-905 [southern half], 7271-012-904, 7271-011-900, 7271-008-901, and 7271-007-903) associated with the former Long Beach Public Service Yard in conformance with the scope and limitations of 40 CFR 312 and ASTM Standard E1527-05. In the opinion of the Environmental Professional, this assessment has revealed that the only parcel with no evidence of conditions indicative of releases or threatened releases of hazardous substances is the northerly, non-contiguous parcel (APN 7271-017-900, 940 Pacific Coast Highway), located approximately 700 feet north of the other parcels.

The remaining four and a half parcels contain one or more RECs. In summary, SCS recommends the following:

- It is SCS's opinion that monitoring data support closure for groundwater related to the former 550-gallon UST in the 14th Street right-of-way (associated with the city tow yard parcel, APN 7271-007-903). In addition, remediation of TPH-impacted soils associated with this UST should be conducted in conjunction with proposed future development, so that remediation goals would be consistent with future use.

The RWQCB issued a letter on November 2, 2010 requiring semi-annual groundwater monitoring to verify concentrations remain low. The RWQCB also indicated that a Remedial Action Plan for soil remediation be submitted along with a schedule, or that a soil vapor survey be conducted to assess the human health risks to determine if the case can be closed with the current residual soil impacts.

- At the time of any future redevelopment, SCS recommends remediation (and further investigation, as necessary) of metals in fill soils and carwash clarifier areas.

- Further investigation of the possible historic gas station at 949 West Anaheim may be warranted at this time.
- Following up with the RWQCB to obtain the “no further action” letter in association with the two 12,000-gallon USTs removed in July 2008 from APN 7271-008-901.

17 REFERENCES

California Department of Conservation, Division of Oil, Gas, and Geothermal Resources, 5816 Corporate Avenue, Suite 200, Cypress, CA 90630-4731, (714) 816-6847.

California Department of Conservation, Division of Oil, Gas, and Geothermal Resources, *California Oil and Gas Fields, Volume II, Southern, Central Coastal, and Offshore California*, 1991.

Geotracker Website, <http://geotracker.swrcb.ca.gov/>

Pacific Coast Tank, *Underground Storage Tank Removal Report*, dated August 7, 2008.

SCS Engineers, *Phase I Environmental Assessment, Long Beach Public Service Yard, San Francisco Avenue – 7 APNs, Long Beach, California*, dated February 22, 2005 (File No. 01204007.01)

SCS Engineers, *Phase II Site Investigation Report, Long Beach Public Service Yard, 1601 San Francisco Avenue, Long Beach, California*, dated August 2, 2005 (File No. 01204007.02)

SCS Engineers, *Groundwater Investigation Report, Former Long Beach City Tow Yard, 901 West Anaheim Street, Long Beach, California*, dated October 17, 2005 (File No. 01204007.02)

SCS Engineers, *First Quarter 2006 Groundwater Monitoring, 901 West Anaheim, Long Beach, California*, dated April 17, 2006 (File No. 01204007.02).

SCS Engineers, *Second Quarter 2006 Groundwater Monitoring, 901 West Anaheim, Long Beach, California*, dated July 18, 2006 (File No. 01204007.02).

SCS Engineers, *Third Quarter 2006 Groundwater Monitoring, 901 West Anaheim, Long Beach, California*, dated October 16, 2006 (File No. 01204007.02).

SCS Engineers, *Groundwater Monitoring Report, Former Long Beach City Tow Yard, 901 West Anaheim Street, Long Beach, California*, dated April 2010 (File No. 01209295.00)

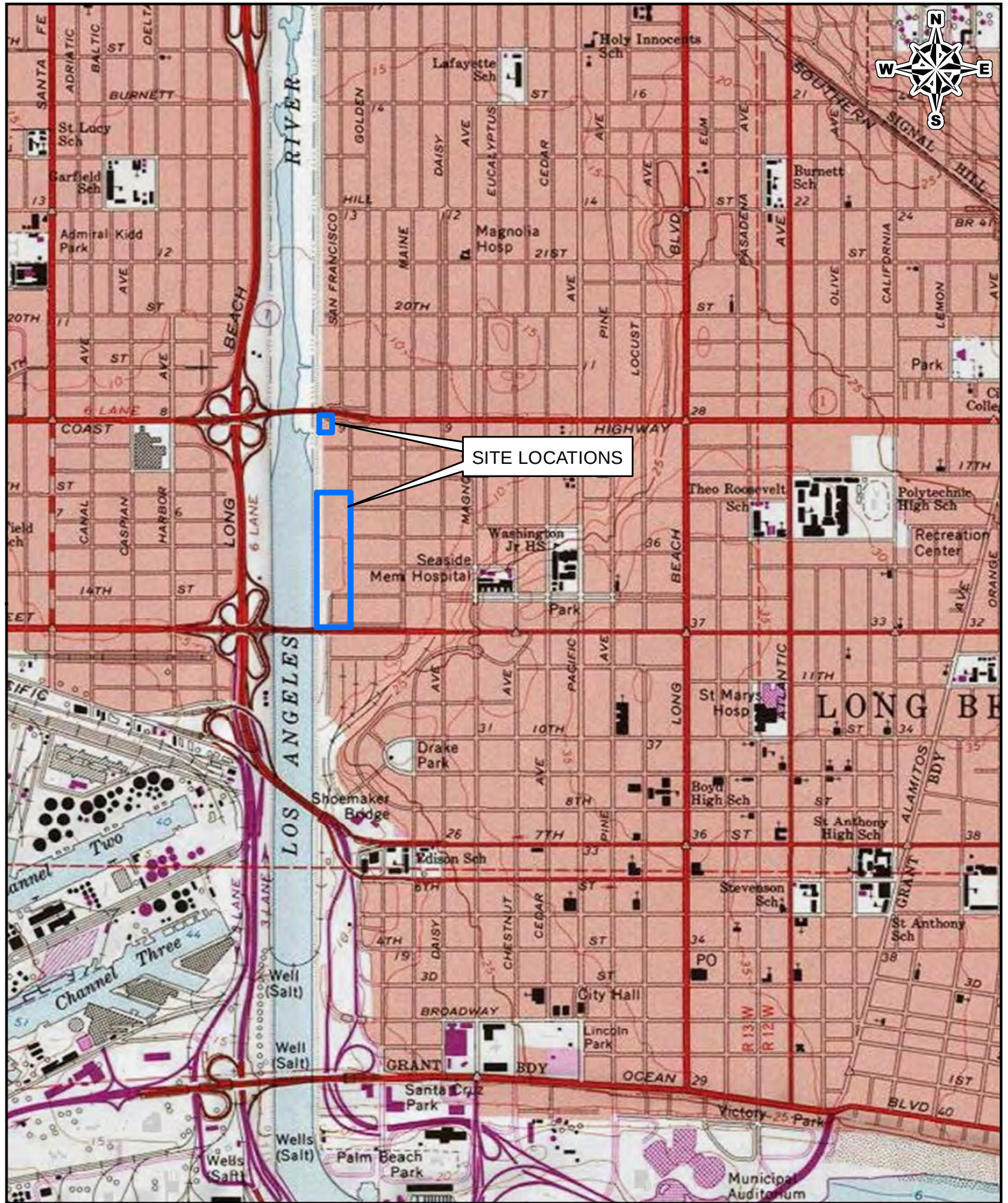
18 GLOSSARY/DEFINITIONS

<u>AAI</u>	-- All Appropriate Inquiry
<u>BTEX</u>	-- benzene, toluene, ethylbenzene, and total xylenes
<u>CERCLA</u>	-- Comprehensive, Environmental Response, Compensation, and Liability Act
<u>CERCLIS</u>	-- Comprehensive Environmental Response, Compensation, and Liability Information System
<u>CFR</u>	-- Code of Federal Regulations
<u>CORRACTS</u>	-- Corrective Action Against Responsible Parties at a RCRA site
<u>DOGGR</u>	-- Department of Oil, Gas, and Geothermal Resources
<u>DTSC</u>	-- California EPA Department of Toxic Substances Control
<u>EDR</u>	-- Environmental Data Resources, Inc.
<u>EPA</u>	-- Environmental Protection Agency
<u>ERNS</u>	-- Emergency Response Notification System
<u>ESA</u>	-- Environmental Site Assessment
<u>FINDS</u>	-- Facility Index System
<u>HAZNET</u>	-- California EPA Hazardous Waste Facility and Manifest Data
<u>LQG</u>	-- Large Quantity Hazardous Waste Generator
<u>LUST</u>	-- Leaking Underground Storage Tank
<u>MCL</u>	-- Maximum contaminant level
<u>MTBE</u>	-- Methyl-tert-butyl-ether
<u>NFA</u>	-- No Further Action determination
<u>NFRAP</u>	-- No Further Remedial Action Planned
<u>NPL</u>	-- National Priority List (Superfund)
<u>PAHs</u>	-- Polynuclear aromatic hydrocarbons
<u>PCBs</u>	-- Polychlorinated biphenyls
<u>PRGs</u>	-- Preliminary Remediation Goals
<u>RCRA</u>	-- Resource Conservation and Recovery Act
<u>RCRIS</u>	-- Resource Conservation and Recovery Information System
<u>RECs</u>	-- <i>Recognized environmental conditions</i> is defined by ASTM E 1527-05 as: “The presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or material threat of a release of any hazardous substances or petroleum products into structures on the property or into ground water, or surface water of the property. The term includes hazardous substances or petroleum products even under conditions in compliance with the law. The term is not intended to include de minimis conditions that generally do not present a material risk of harm to public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. Conditions determined to be de minimis are not <i>recognized environmental conditions</i> .”
<u>ROD</u>	-- Record of Decision
<u>RBSLs</u>	-- Risk-based Screening Levels
<u>RWQCB</u>	-- Regional Water Quality Control Board
<u>SARA</u>	-- Superfund Amendments and Reauthorization Act
<u>SLIC</u>	-- Spills, Leaks, Investigations, and Cleanups database
<u>SQG</u>	-- Small Quantity Hazardous Waste Generator
<u>SWIS</u>	-- Solid Waste Information System
<u>SWLF</u>	-- Solid Waste Facility/Landfills
<u>TPH</u>	-- Total Petroleum Hydrocarbons

- TRIS -- Toxic Release Inventory System
- TSD -- Treatment, Storage, and/or Disposal Facility
- User -- The person or persons seeking to establish the innocent landowner defense, bona fide prospective purchaser liability protection, and/or contiguous property owner liability protection pursuant to CERCLA sections 101 and 107.
- USGS -- United States Geologic Survey
- UST -- Underground Storage Tank
- VCP -- Voluntary Cleanup Program
- VOCs -- Volatile organic compounds

APPENDIX A

FIGURES



SOURCE: 7.5 MINUTE TOPOGRAPHIC MAP
UNITED STATES GEOLOGICAL SURVEY
LONG BEACH, CA, PHOTO-REVISED 1981
ORIGINAL MAP DATE: 1973

SCS ENGINEERS

3900 KILROY AIRPORT WAY, STE 100
LONG BEACH, CALIFORNIA 90806-6816

PROJECT NO:

01210161.01

DRAWN BY:

A. STODDARD

APPROVED BY:

A. HUTCHENS

0 1,000 2,000
Feet
1 in = 2,000 ft

FIGURE

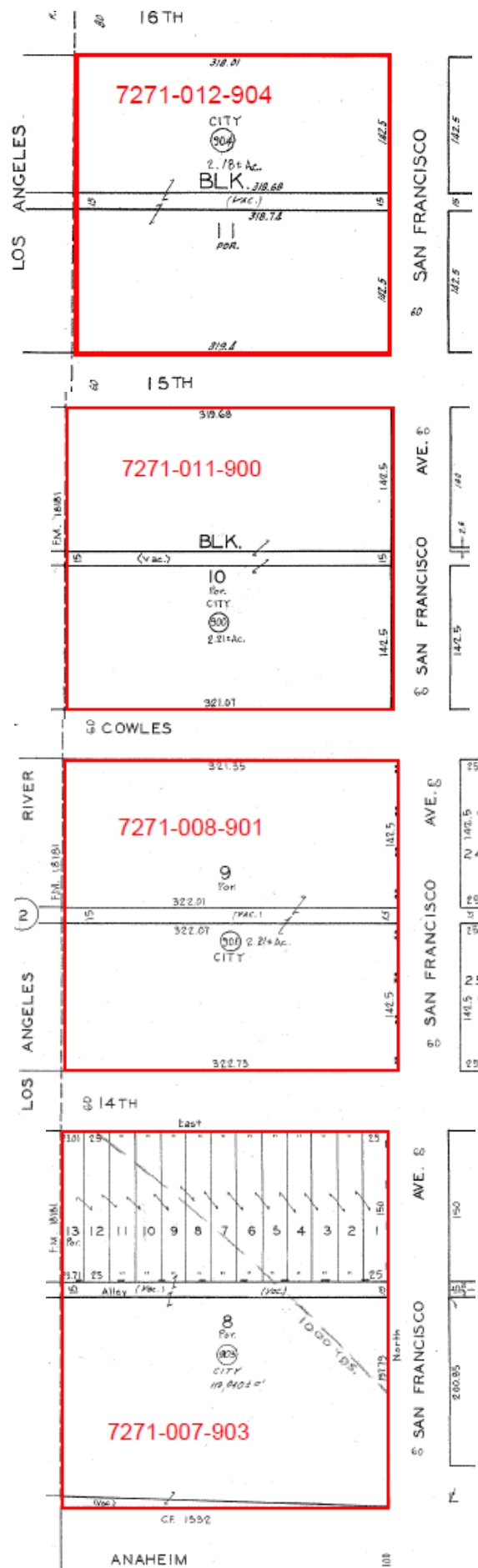
SITE:

FORMER LONG BEACH PUBLIC SERVICE YARD
LONG BEACH, CA 90813

TITLE:

SITE LOCATION MAP

1



SCS ENGINEERS

Figure 2b. Assessor's Parcel Map

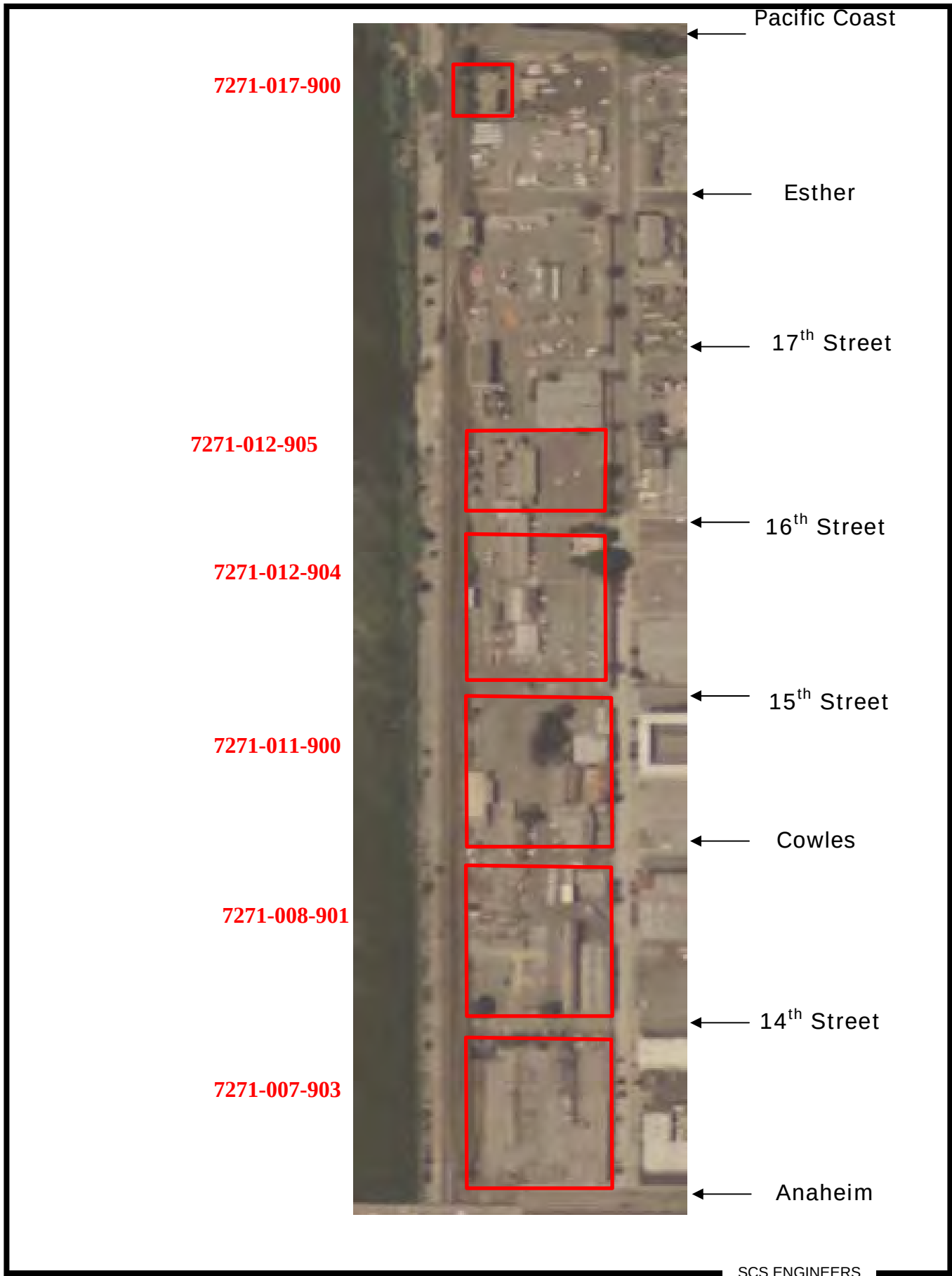
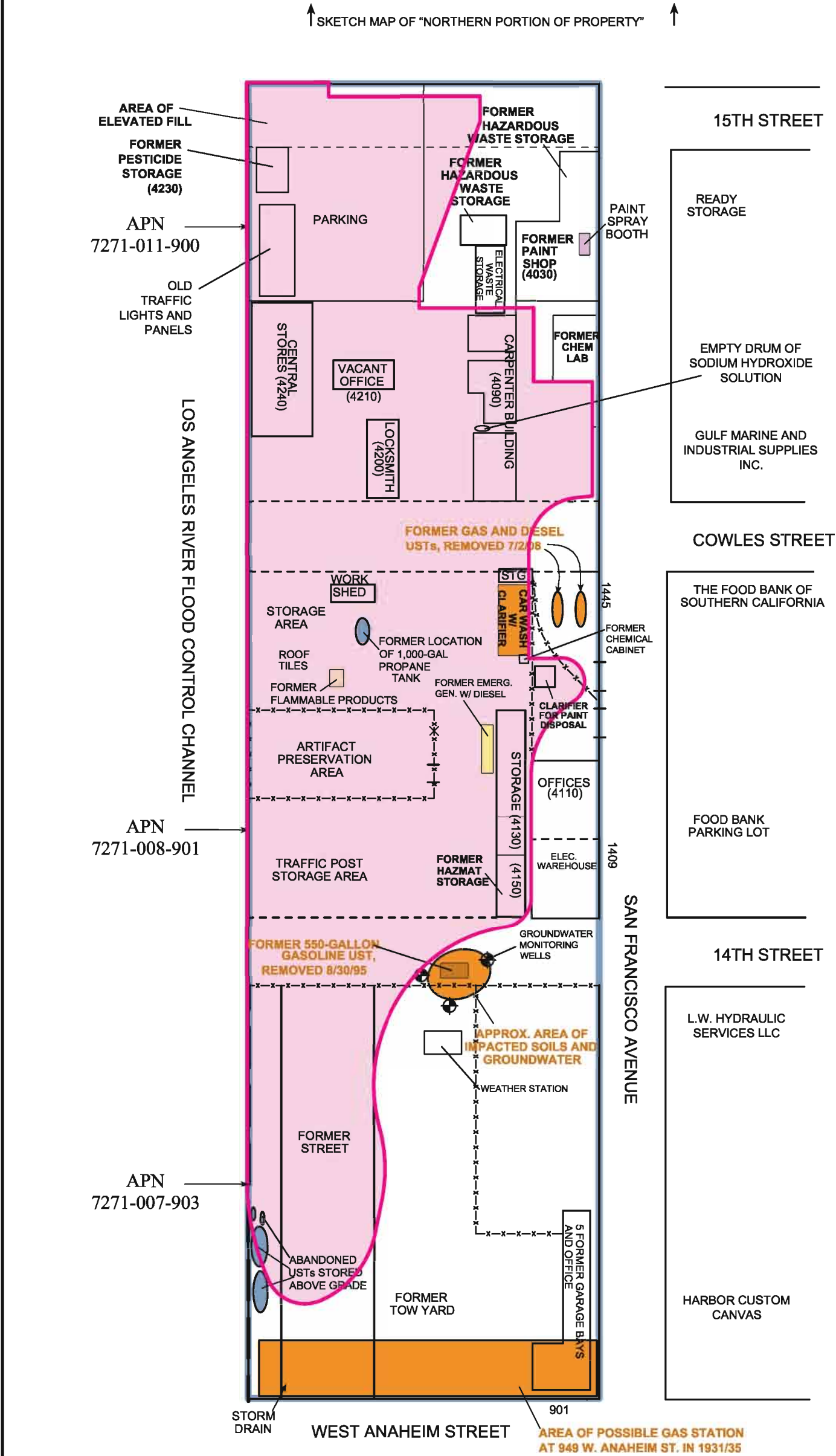


Figure 3. Aerial Photograph (dated 2005) depicting the Property.



LEGEND	
---	APPROX. PARCEL BOUNDARY
---	PROPERTY BOUNDARY
-x-x-	CHAIN-LINK FENCE
(4400)	BUILDING NUMBER
	APPROXIMATE EARTHQUAKE DEBRIS FILL BOUNDARY
	KNOWN AREAS OF ENVIRONMENTAL CONCERN

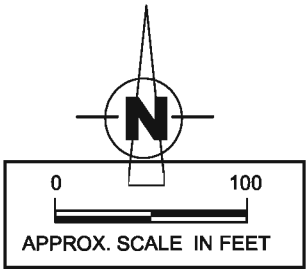
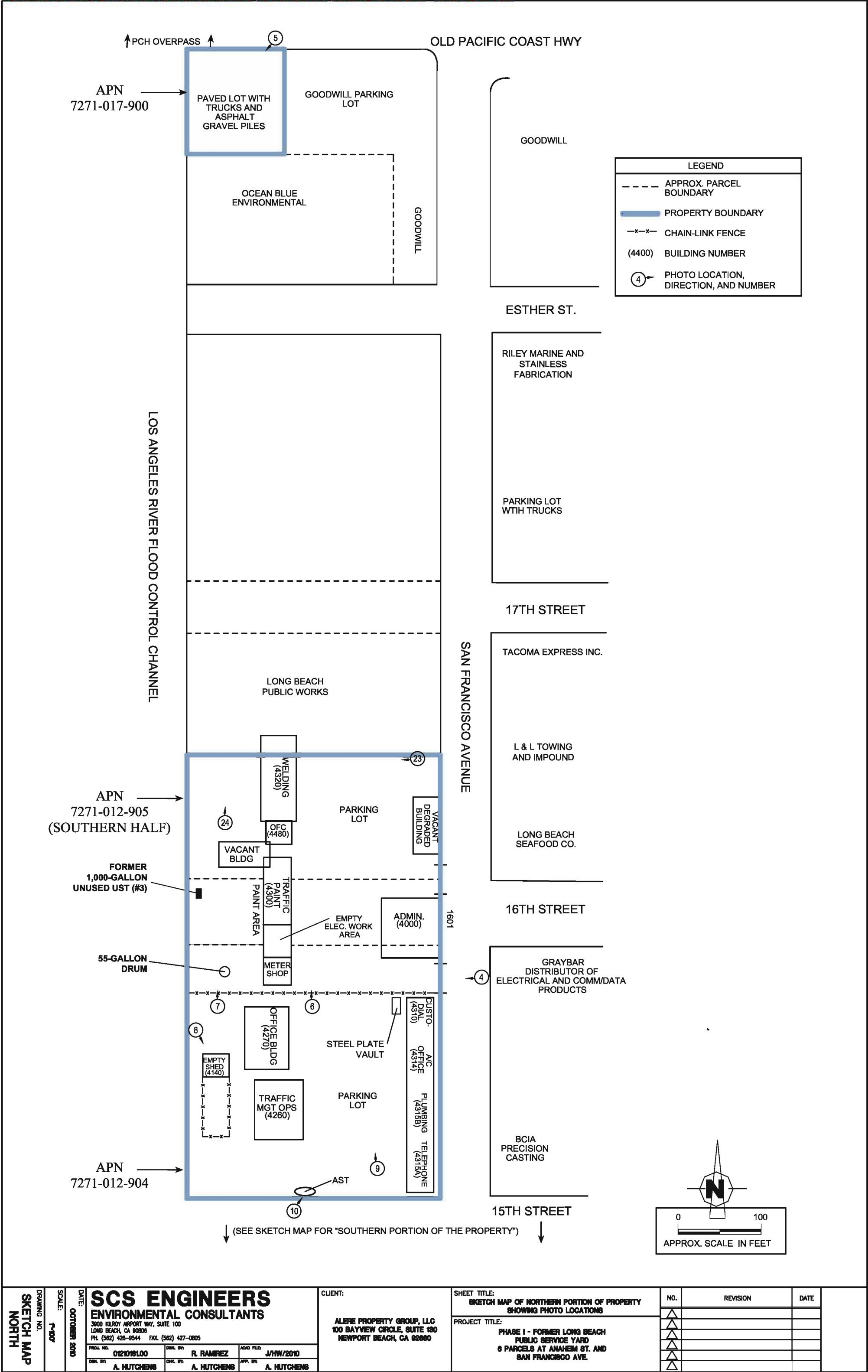


FIGURE 4b	DRAWING NO.	SCALE: 1"=100'	DATE: OCTOBER 2010	SCS ENGINEERS ENVIRONMENTAL CONSULTANTS 3000 KILROY AIRPORT WAY, SUITE 100 LONG BEACH, CA 90808 PH. (562) 428-9544 FAX. (562) 427-0805			CLIENT: ALERIE PROPERTY GROUP, LLC 100 BAYVIEW CIRCLE, SUITE 180 NEWPORT BEACH, CA 92660	SHEET TITLE: SOUTHERN PORTION OF PROPERTY		NO. △ △ △ △ △ △	REVISION	DATE		
								PROJECT TITLE: PHASE I - FORMER LONG BEACH PUBLIC SERVICE YARD 6 PARCELS AT ANAHEIM ST. AND SAN FRANCISCO AVE.						
				PROJ. NO.	0121016100	DRN. BY:		R. RAMIREZ	ACRD FILED					J/11/2010
				DRN. BY:	A. HUTCHENS	CHK. BY:		A. HUTCHENS	APP. BY:					A. HUTCHENS

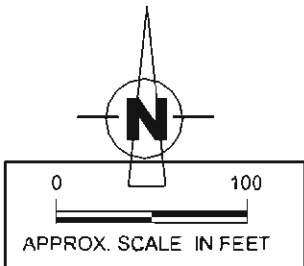
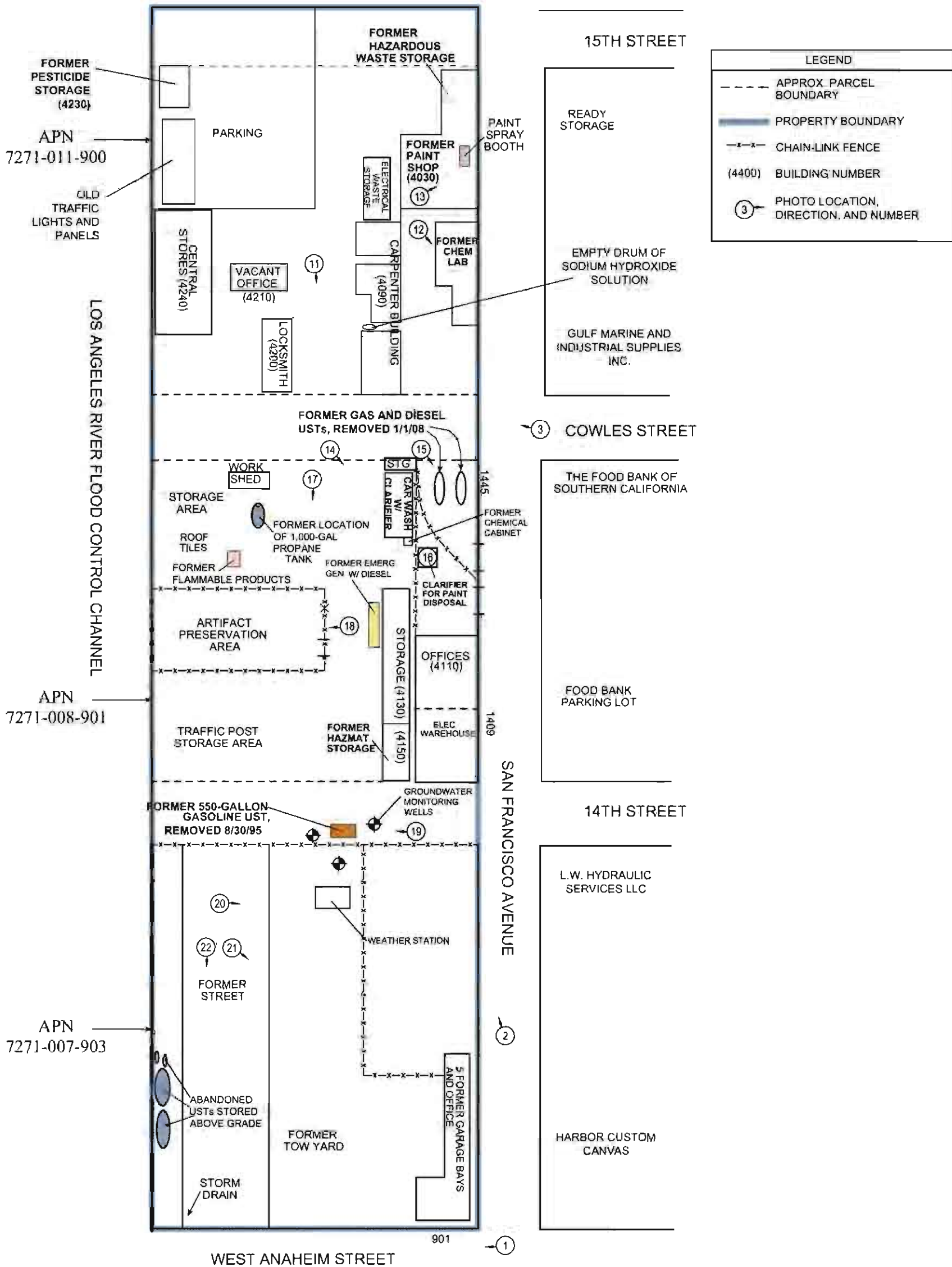
APPENDIX B

SKETCH MAP AND PHOTOGRAPHS



DRAWING NO. SKETCH MAP NORTH	SCALE: 1"=100'	DATE: OCTOBER 2010	SCS ENGINEERS ENVIRONMENTAL CONSULTANTS 3600 KILROY AIRPORT WAY, SUITE 100 LONG BEACH, CA 90808 PH. (562) 428-9544 FAX. (562) 427-0805			CLIENT: ALERE PROPERTY GROUP, LLC 100 BAYVIEW CIRCLE, SUITE 180 NEWPORT BEACH, CA 92660	SHEET TITLE: SKETCH MAP OF NORTHERN PORTION OF PROPERTY SHOWING PHOTO LOCATIONS		NO. △ △ △ △ △ △	REVISION	DATE	
			PROJ. NO. 0121016100				DRAWN BY R. RAMIREZ	APPROVED BY J/HW/2010				
			DATE: 01/20/2010				CHECKED BY A. HUTCHENS	APPROVED BY A. HUTCHENS				
			PROJECT NO. 0121016100				DRAWN BY R. RAMIREZ	APPROVED BY J/HW/2010				
			DATE: 01/20/2010				CHECKED BY A. HUTCHENS	APPROVED BY A. HUTCHENS				
			PROJECT NO. 0121016100				DRAWN BY R. RAMIREZ	APPROVED BY J/HW/2010				
			DATE: 01/20/2010				CHECKED BY A. HUTCHENS	APPROVED BY A. HUTCHENS				
PROJECT TITLE: PHASE I - FORMER LONG BEACH PUBLIC SERVICE YARD 6 PARCELS AT ANAHEIM ST. AND SAN FRANCISCO AVE.												

↑ SKETCH MAP OF "NORTHERN PORTION OF PROPERTY" ↑



DRAWING NO. SKETCH MAP SOUTH	SCALE: 1"=100'	DATE: OCTOBER 2010	SCS ENGINEERS ENVIRONMENTAL CONSULTANTS 3900 KILROY AIRPORT WAY, SUITE 100 LONG BEACH, CA 90808 PH. (562) 426-9544 FAX. (562) 427-0805			CLIENT: ALERE PROPERTY GROUP, LLC 100 BAYVIEW CIRCLE, SUITE 130 NEWPORT BEACH, CA 92660	SHEET TITLE: SKETCH MAP OF SOUTHERN PORTION OF PROPERTY SHOWING PHOTO LOCATIONS		NO. △ △ △ △ △ △	REVISION	DATE	
			PROJECT TITLE: PHASE I - FORMER LONG BEACH PUBLIC SERVICE YARD 6 PARCELS AT ANAHEIM ST. AND SAN FRANCISCO AVE.									
			PROJ. NO. 0121016100	DRAWN BY R. RAMIREZ	ACAD FILE J/HW/2010							
			DWG. BY A. HUTCHENS	CHECK BY A. HUTCHENS	APP. BY A. HUTCHENS							



Photo 1. View of Property looking west down West Anaheim Street.



Photo 2. Northerly view of the Property and San Francisco Avenue.



Photo 3. Westerly view of the Property at 1445 San Francisco Avenue where the Cowles Street right-of-way traverses the Property.



Photo 4. Westerly view of the Property at 1601 San Francisco Avenue where the 16th Street right-of-way traverses the Property (this area was not accessible for inspection).



Photo 5. Southwesterly view of the northerly, non-contiguous parcel at 940 Pacific Coast Highway (APN 7271-017-900). This area was not accessible for inspection.



Photo 6. Northerly view of the inaccessible portion of Long Beach Public Service Yard. This includes the northerly portion of APN 7271-012-904, the 16th Street right-of-way, and the southern half of APN 7271-012-905.



Photo 7. Northerly view of southwesterly corner of inaccessible area including the northerly portion of APN 7271-012-904, the 16th Street right-of-way, and the southern half of APN 7271-012-905.



Photo 8. Southerly view of APN 7271-012-904 showing raise in elevation indicating start of area containing fill soils.



Photo 9. Northerly view of APN 7271-012-904 showing storm drain and abandoned buildings.



Photo 10. AST and tire storage on south end of APN 7271-012-904.



Photo 11. Southerly view of APN 7271-011-900.



Photo 12. Vies of abandoned chemistry lab building on APN 7271-011-900.



Photo 13. View inside paint shop showing paint spray booth on APN 7271-011-900.



Photo 14. Vehicle Wash Area with Clarifier on APN 7271-008-901.



Photo 15. Former fueling station area on APN 7271-008-901 (USTs removed July 2008).



Photo 16. Clarifier for Paint Equipment Rinse Water on APN 7271-008-901.



Photo 17. Southerly view of previous storage area on APN 7271-008-901.



Photo 18. Westerly view of previous artifact preservation storage area on APN 7271-008-901.



Photo 19. Westerly view of the 14th Street right-of-way and the location of groundwater monitoring wells for the former 500-gallon UST.



Photo 20. Easterly view of northern portion of APN 7271-007-903.



Photo 21. Southeasterly view of the abandoned building on APN 7271-007-903 (901 West Anaheim Street).



Photo 22. Southerly view of APN 7271-007-903 where De Forest Avenue previously traversed the Property.



Photo 23. Westerly view of north property line of APN 7271-012-905 (southern half).



Photo 24. Northerly view of western storage yard on APN 7271-012-905.

APPENDIX C

HISTORICAL SITE USE INFORMATION

San Francisco Ave/W Anaheim St

929 W Anaheim St

Long Beach, CA 90813

Inquiry Number: 2881976.5

October 04, 2010

The EDR Aerial Photo Decade Package

Date EDR Searched Historical Sources:

Aerial Photography October 04, 2010

Target Property:

929 W Anaheim St

Long Beach, CA 90813

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
1928	Aerial Photograph. Scale: 1"=500'	Flight Year: 1928	Fairchild
1947	Aerial Photograph. Scale: 1"=666'	Flight Year: 1947	Fairchild
1956	Aerial Photograph. Scale: 1"=400'	Flight Year: 1956	Fairchild
1968	Aerial Photograph. Scale: 1"=480'	Flight Year: 1968	Teledyne
1976	Aerial Photograph. Scale: 1"=666'	Flight Year: 1976	Teledyne
1989	Aerial Photograph. Scale: 1"=666'	Flight Year: 1989	USGS
1994	Aerial Photograph. Scale: 1"=666'	Flight Year: 1994	USGS
2002	Aerial Photograph. Scale: 1"=666'	Flight Year: 2002	USGS
2005	Aerial Photograph. Scale: 1"=604'	Flight Year: 2005	EDR



INQUIRY #: 2881976.5

YEAR: 1928

| = 500'





INQUIRY #: 2881976.5

YEAR: 1947

| = 666'





INQUIRY #: 2881976.5

YEAR: 1956

| = 400'





INQUIRY #: 2881976.5

YEAR: 1968

| = 480'





INQUIRY #: 2881976.5

YEAR: 1976

| = 666'





INQUIRY #: 2881976.5

YEAR: 1989

| = 666'





INQUIRY #: 2881976.5

YEAR: 1994

| = 666'





INQUIRY #: 2881976.5

YEAR: 2002

| = 666'





INQUIRY #: 2881976.5

YEAR: 2005

| = 604'



San Francisco Ave/W Anaheim St

929 W Anaheim St

Long Beach, CA 90813

Inquiry Number: 2881976.3

October 04, 2010

Certified Sanborn® Map Report

San Francisco Ave/W Anaheim St

929 W Anaheim St

Long Beach, CA 90813

Inquiry Number: 2881976.3

October 04, 2010

Certified Sanborn® Map Report

Certified Sanborn® Map Report

9/30/10

Site Name:

San Francisco Ave/W Anaheim
929 W Anaheim St
Long Beach, CA 90813

Client Name:

SCS Engineers
3900 Kilroy Airport Way
Long Beach, CA 90806

EDR Inquiry # 2881976.3

Contact: Loran Bures



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Certified Sanborn Results:

Site Name: San Francisco Ave/W Anaheim St
Address: 929 W Anaheim St
City, State, Zip: Long Beach, CA 90813
Cross Street:
P.O. # 01-00381
Project: 01210161.00
Certification # A638-4409-A38F



Sanborn® Library search results
Certification # A638-4409-A38F

Maps Provided:

1963
1950

The Sanborn Library includes more than 1.2 million Sanborn fire insurance maps, which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ☒ Library of Congress
- ☒ University Publications of America
- ☒ EDR Private Collection

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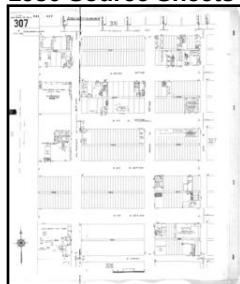
Sanborn Sheet Thumbnails

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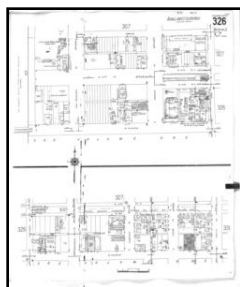


1963 Source Sheets

1950 Source Sheets



Volume 3, Sheet 307



Volume 3, Sheet 326

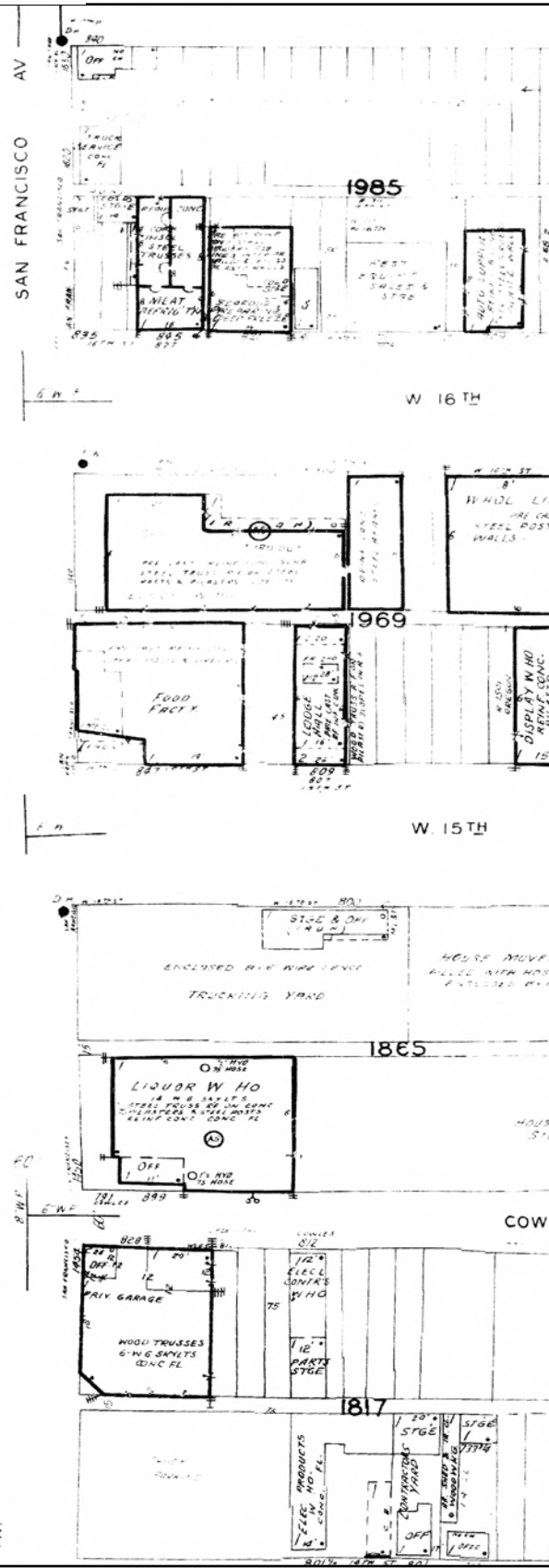
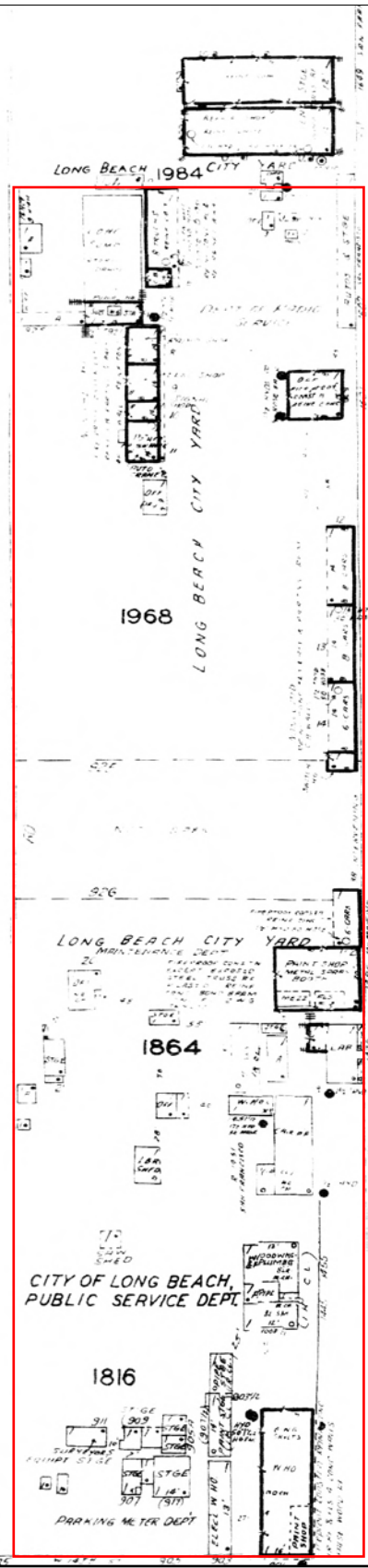
1963 Certified Sanborn Map

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Certification # A638-4409-A38F

Site Name: San Francisco Ave/W Anaheim St
Address: 929 W Anaheim St
City, ST, ZIP: Long Beach CA 90813
Client: SCS Engineers
EDR Inquiry: 2881976.3
Order Date: 9/30/2010 12:10:02 PM
Certification # A638-4409-A38F

Copyright: 1963



This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

0 Feet 150 300 600



1950 Certified Sanborn Map

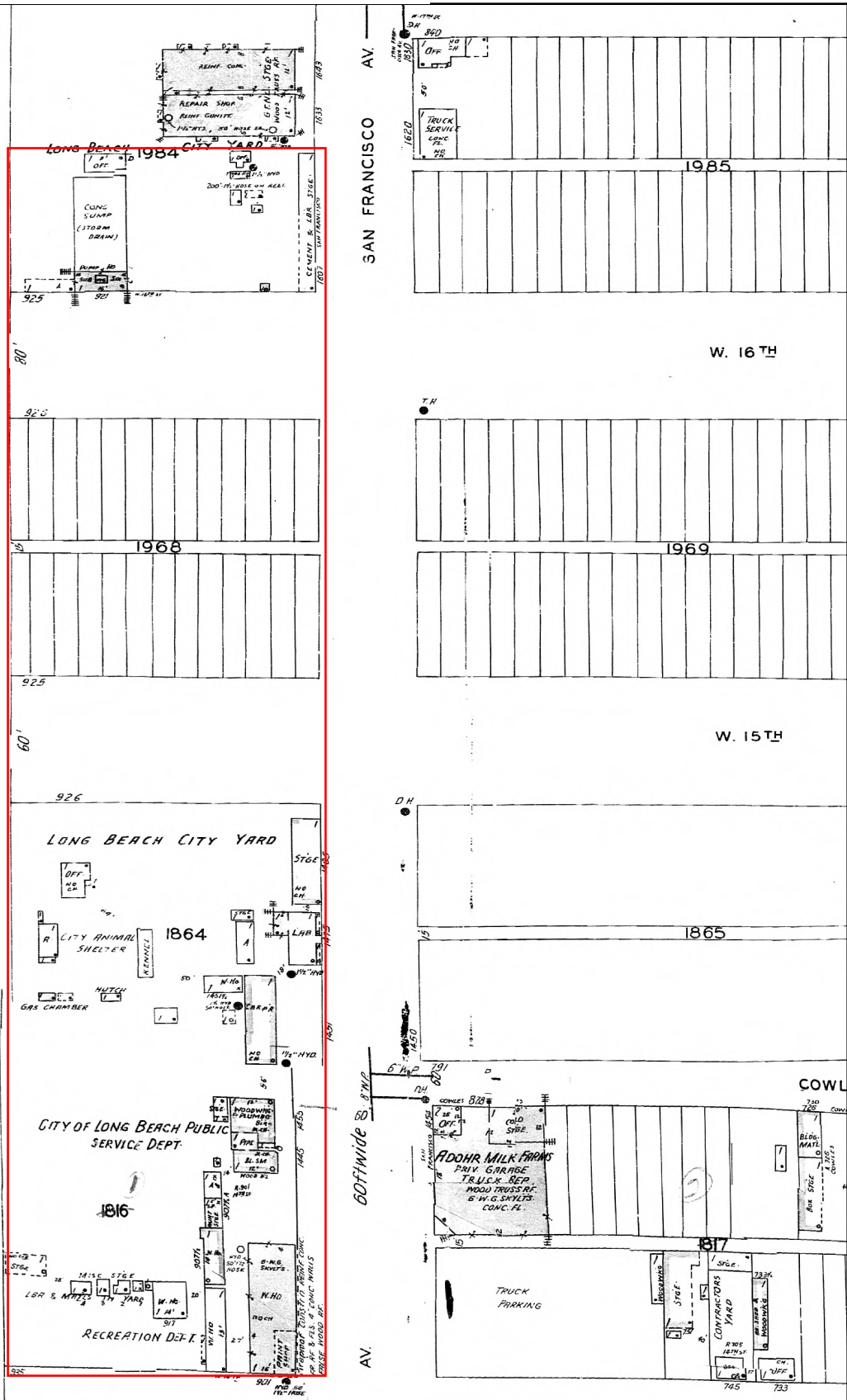
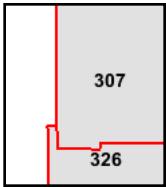
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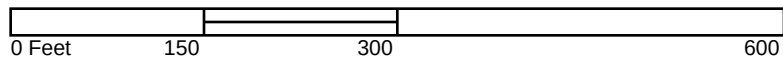
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Address: 929 W Anaheim St
City, ST, ZIP: Long Beach CA 90813
Client: SCS Engineers
EDR Inquiry: 2881976.3
Order Date: 9/30/2010 12:10:02 PM
Certification # A638-4409-A38F
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Volume 3, Sheet 307
Volume 3, Sheet 326



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Certified Sanborn® Map Report

9/30/10

Site Name:

San Francisco Ave/W Anaheim
929 W Anaheim St
Long Beach, CA 90813

Client Name:

SCS Engineers
3900 Kilroy Airport Way
Long Beach, CA 90806

EDR Inquiry # 2881976.3

Contact: Loran Bures



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Certified Sanborn Results:

Site Name: San Francisco Ave/W Anaheim St
Address: 929 W Anaheim St
City, State, Zip: Long Beach, CA 90813
Cross Street:
P.O. # 01-00381
Project: 01210161.00
Certification # A638-4409-A38F



Sanborn® Library search results
Certification # A638-4409-A38F

Maps Provided:

1963
1950

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- ☒ University Publications of America
- ☒ EDR Private Collection

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Sanborn Sheet Thumbnails

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1963 Source Sheets

1950 Source Sheets



Volume 3, Sheet 306



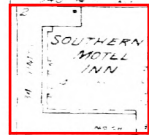
Volume 3, Sheet 307

1963 Certified Sanborn Map

LONG BEACH, CAL VOL 3

307

"A"
OCT 1942

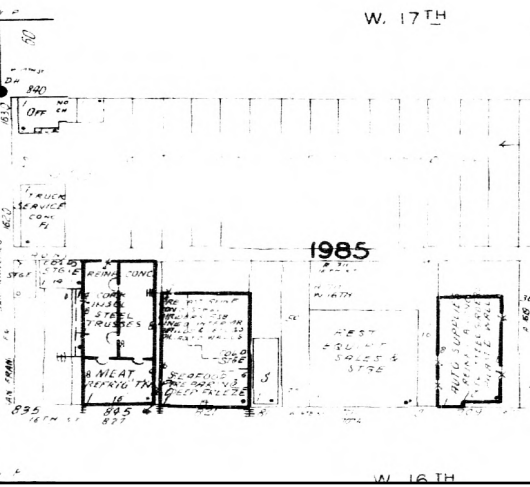
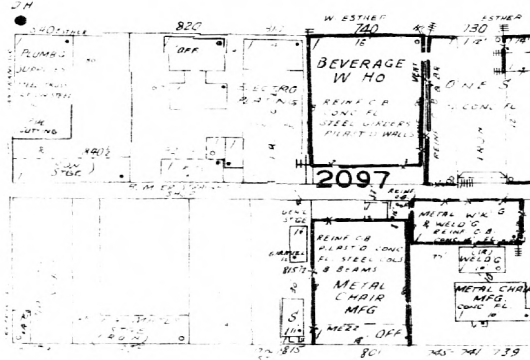
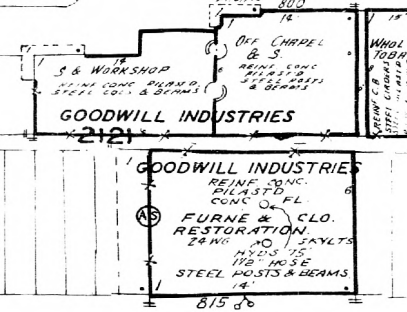
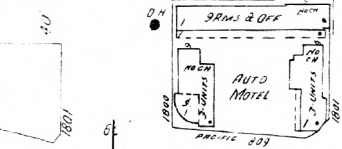


LONG BEACH CITY YARD
(STREET REAR)

2096

GAS &
OIL IN
YARD

LONG BEACH 1984 CITY YARD



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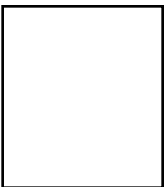
Certification # A638-4409-A38F

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Address: 929 W Anaheim St
City, ST, ZIP: Long Beach CA 90813
Client: SCS Engineers
EDR Inquiry: 2881976.3
Order Date: 9/30/2010 12:10:02 PM
Certification #: A638-4409-A38F



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0 Feet 150 300 600



1950 Certified Sanborn Map

Site Name: San Francisco Ave/W Anaheim St
 Address: 929 W Anaheim St
 City, ST, ZIP: Long Beach CA 90813
 Client: SCS Engineers
 EDR Inquiry: 2881976.3
 Order Date: 9/30/2010 12:10:02 PM
 Certification #: A638-4409-A38F
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325

A638-4409-A38F

Certification #

1950 Certified Sanborn Map

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Address: 929 W Anaheim St
City, ST, ZIP: Long Beach CA 90813
Client: SCS Engineers
EDR Inquiry: 2881976.3
Order Date: 9/30/2010 12:10:02 PM
Certification # A638-4409-A38F
Copyright: 1950



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A638-4409-A38F

Certification #

1950 Certified Sanborn Map

(P 6295A)
LONG BEACH, CAL. VOL. 3.

307

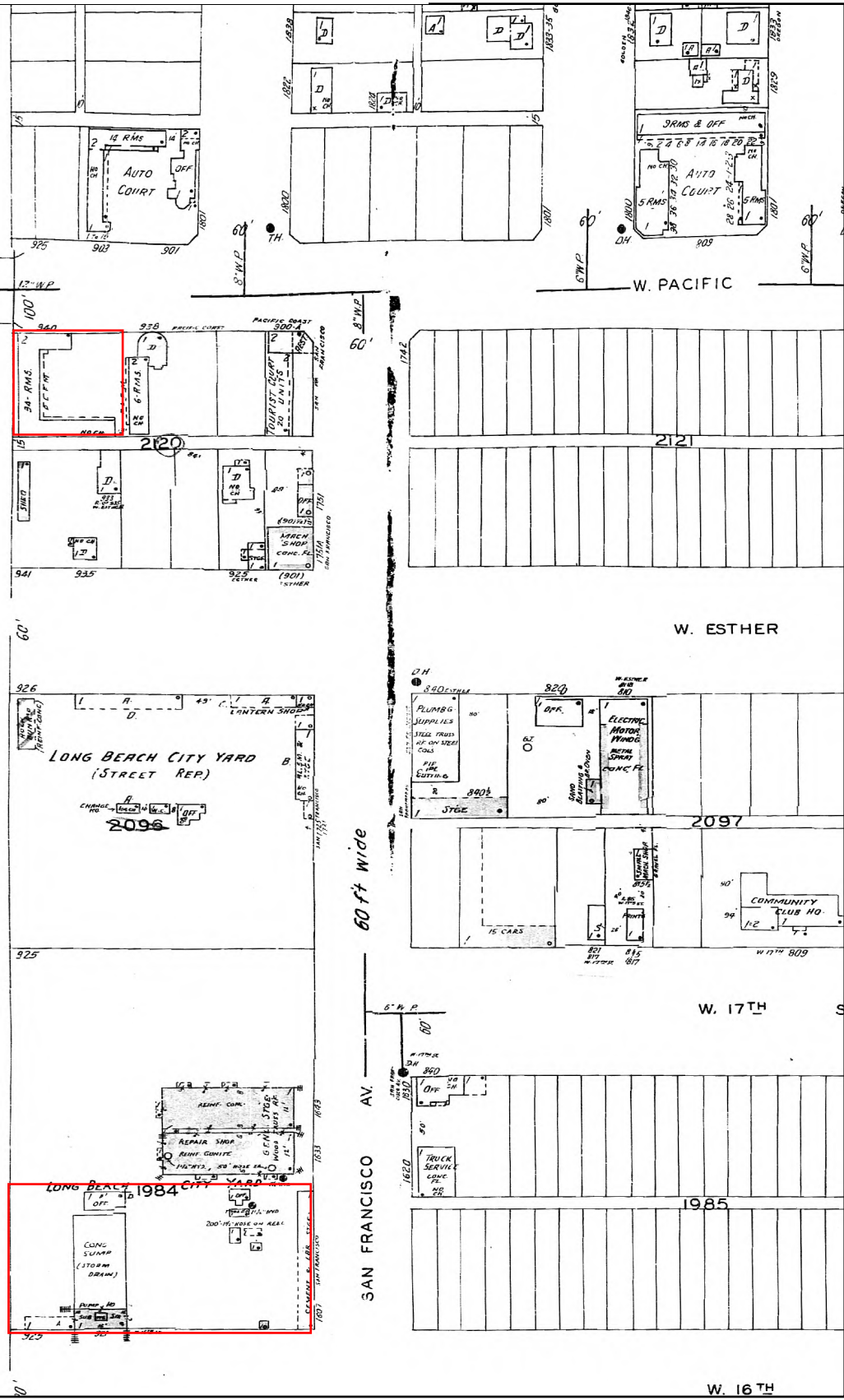
"A"
OCT. 1942

CHANNEL
CONTROL
FLOOD
COUNTY
MOSTLY DRY

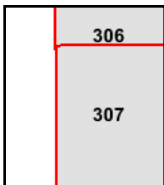
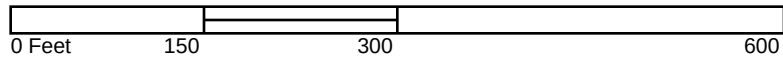
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Address: 929 W Anaheim St
City, ST, ZIP: Long Beach CA 90813
Client: SCS Engineers
EDR Inquiry: 2881976.3
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Volume 3, Sheet 306
Volume 3, Sheet 307



San Francisco Ave/W Anaheim St

929 W Anaheim St

Long Beach, CA 90813

Inquiry Number: 2881976.3

October 04, 2010

Certified Sanborn® Map Report

Certified Sanborn® Map Report

9/30/10

Site Name:

San Francisco Ave/W Anaheim
929 W Anaheim St
Long Beach, CA 90813

Client Name:

SCS Engineers
3900 Kilroy Airport Way
Long Beach, CA 90806

EDR Inquiry # 2881976.3

Contact: Loran Bures



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Address: 929 W Anaheim St
City, State, Zip: Long Beach, CA 90813
Cross Street:
P.O. # 01-00381
Project: 01210161.00
Certification # A638-4409-A38F



Sanborn® Library search results
Certification # A638-4409-A38F

Maps Provided:

1969
1963
1950
1949
1914

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- ☒ University Publications of America
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1969 Source Sheets



Volume 1, Sheet 15



Volume 1, Sheet 17

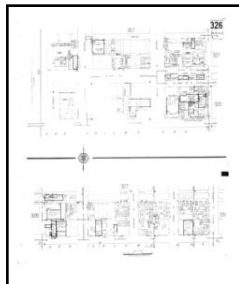
1963 Source Sheets



Volume 3, Sheet 308



Volume 3, Sheet 309



Volume 3, Sheet 328

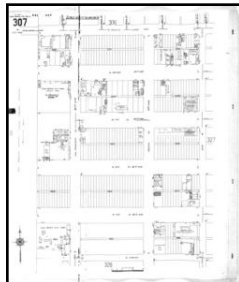
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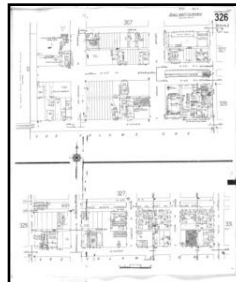
Volume 1, Sheet 14



Volume 1, Sheet 16



Volume 3, Sheet 307



Volume 3, Sheet 326

1949 Source Sheets



Volume 1, Sheet 15

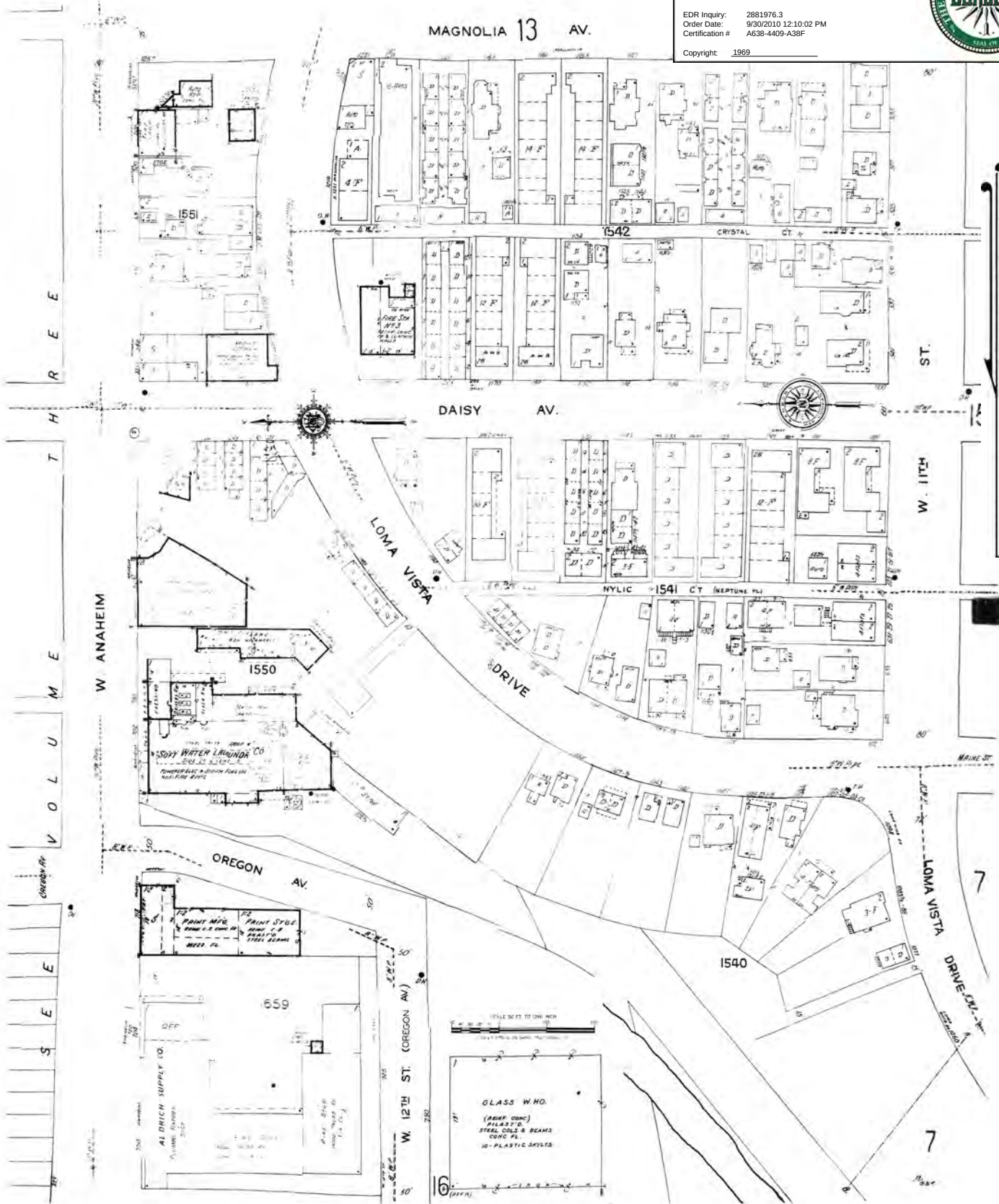
1914 Source Sheets



Volume 1, Sheet 14

1969 Certified Sanborn Map

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 Address: 929 W Anaheim St
 City, ST, ZIP: Long Beach CA 90813
 Client: SCS Engineers
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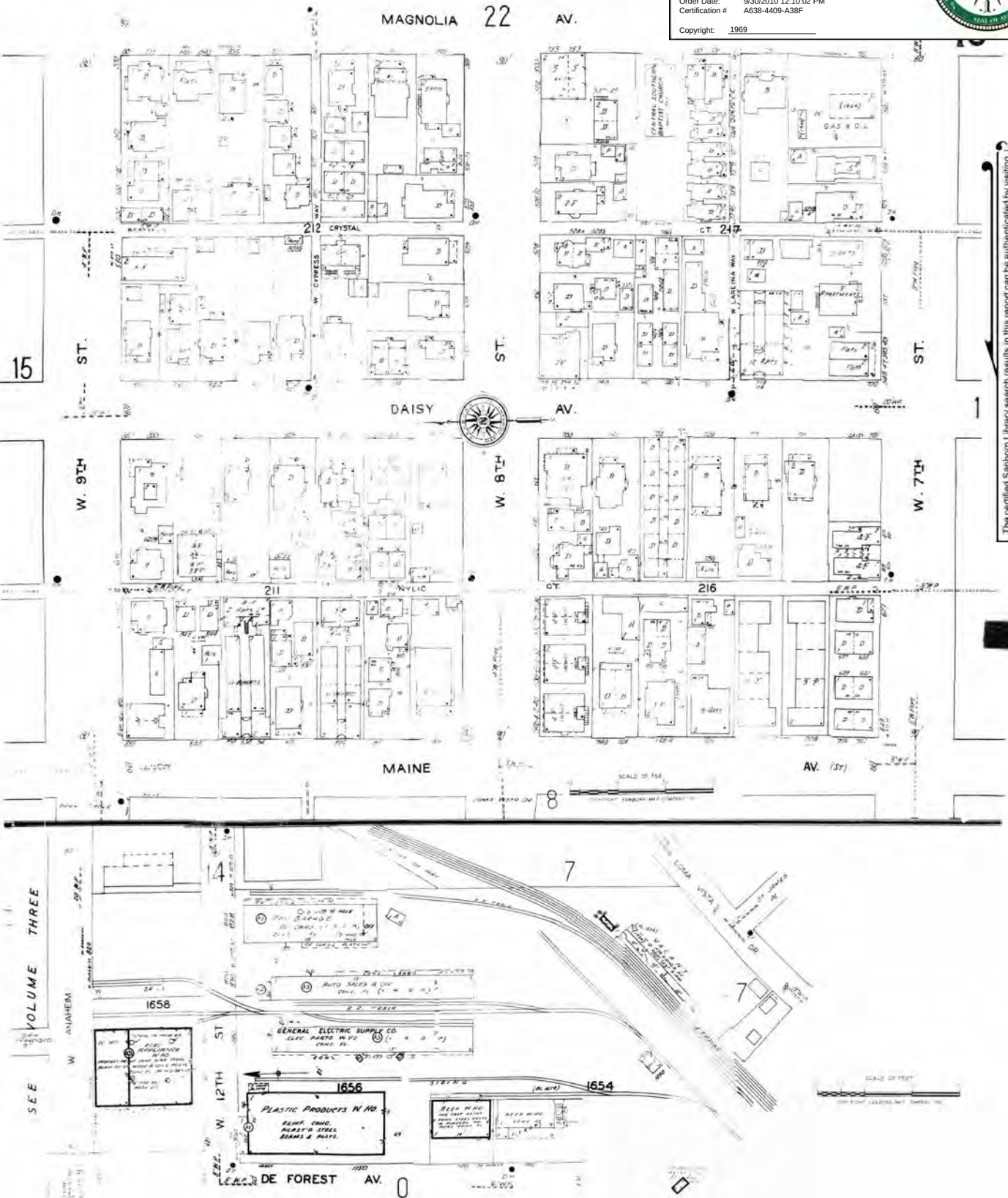
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1969 Certified Sanborn Map

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1963 Certified Sanborn Map

Long Beach Cal. Vol. 1

306

A
OCT 1942

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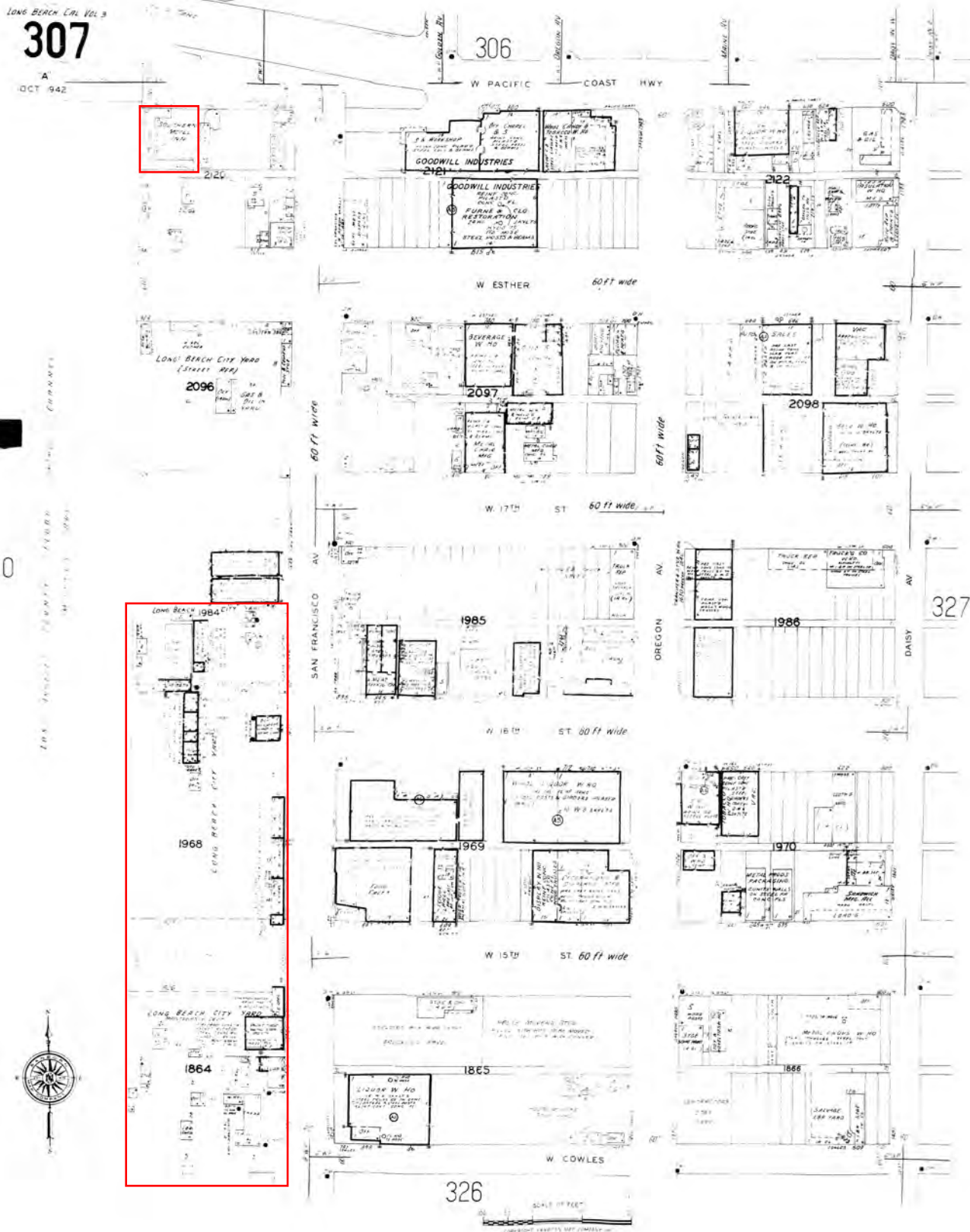
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Site Name: San Francisco Ave/W Anaheim St
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Client: SCS Engineers
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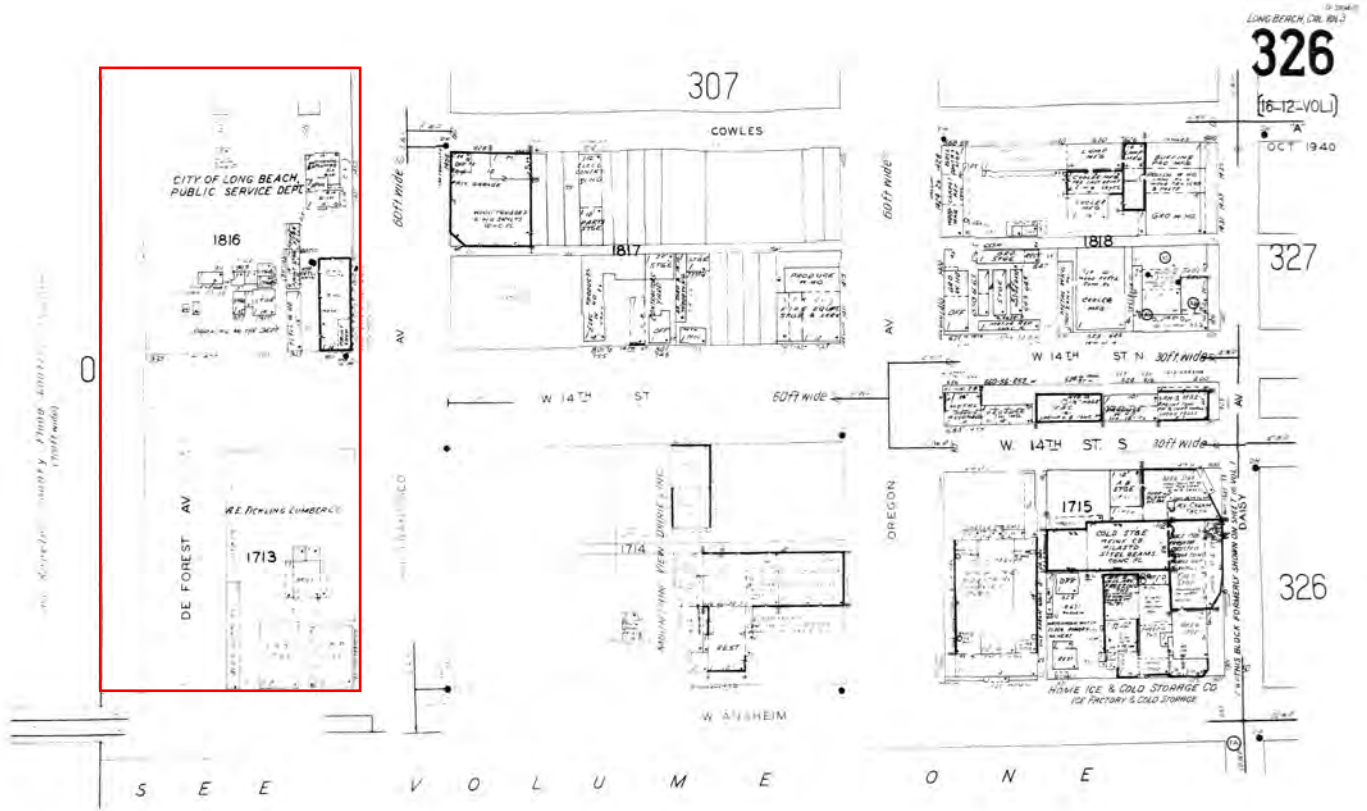
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Site Name: San Francisco Ave/W Anaheim St
Address: 929 W Anaheim St
City, ST, ZIP: Long Beach CA 90813
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EDR Inquiry: 2881976.3
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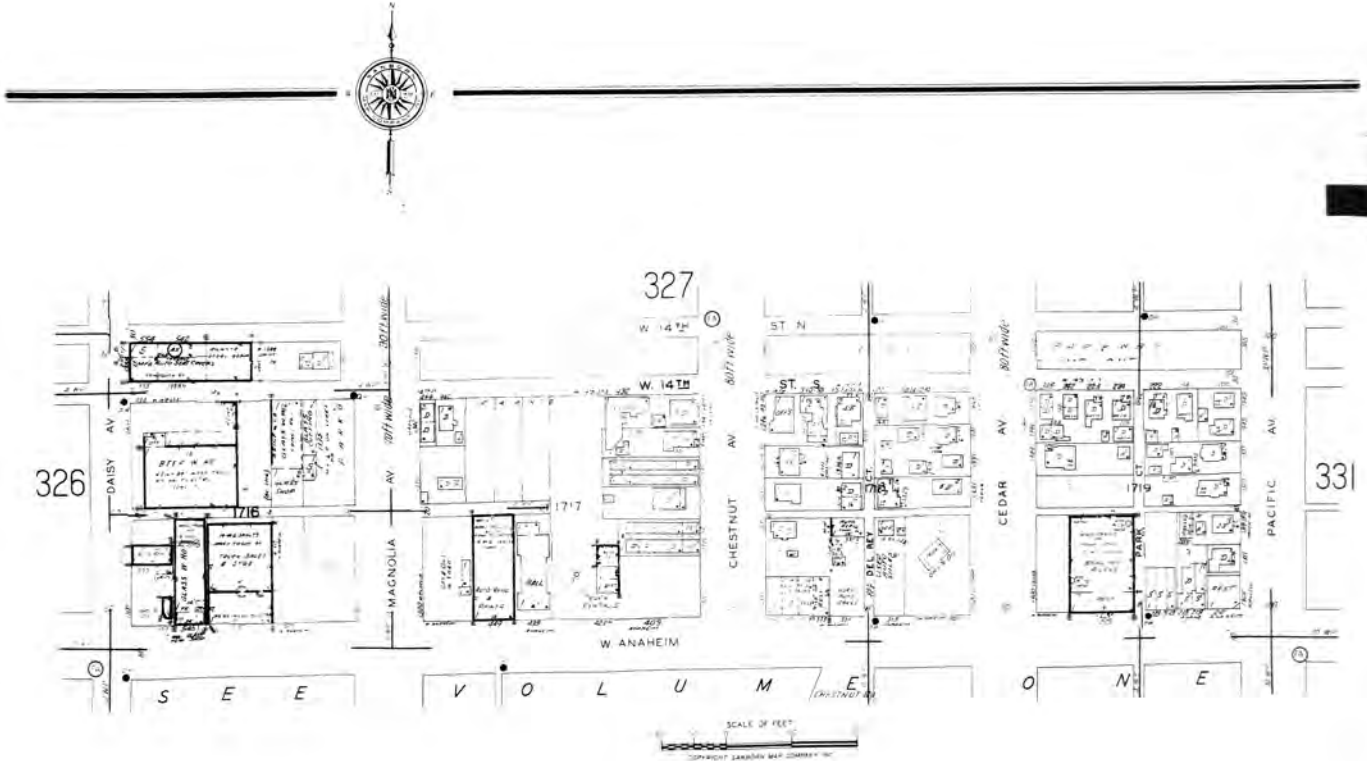


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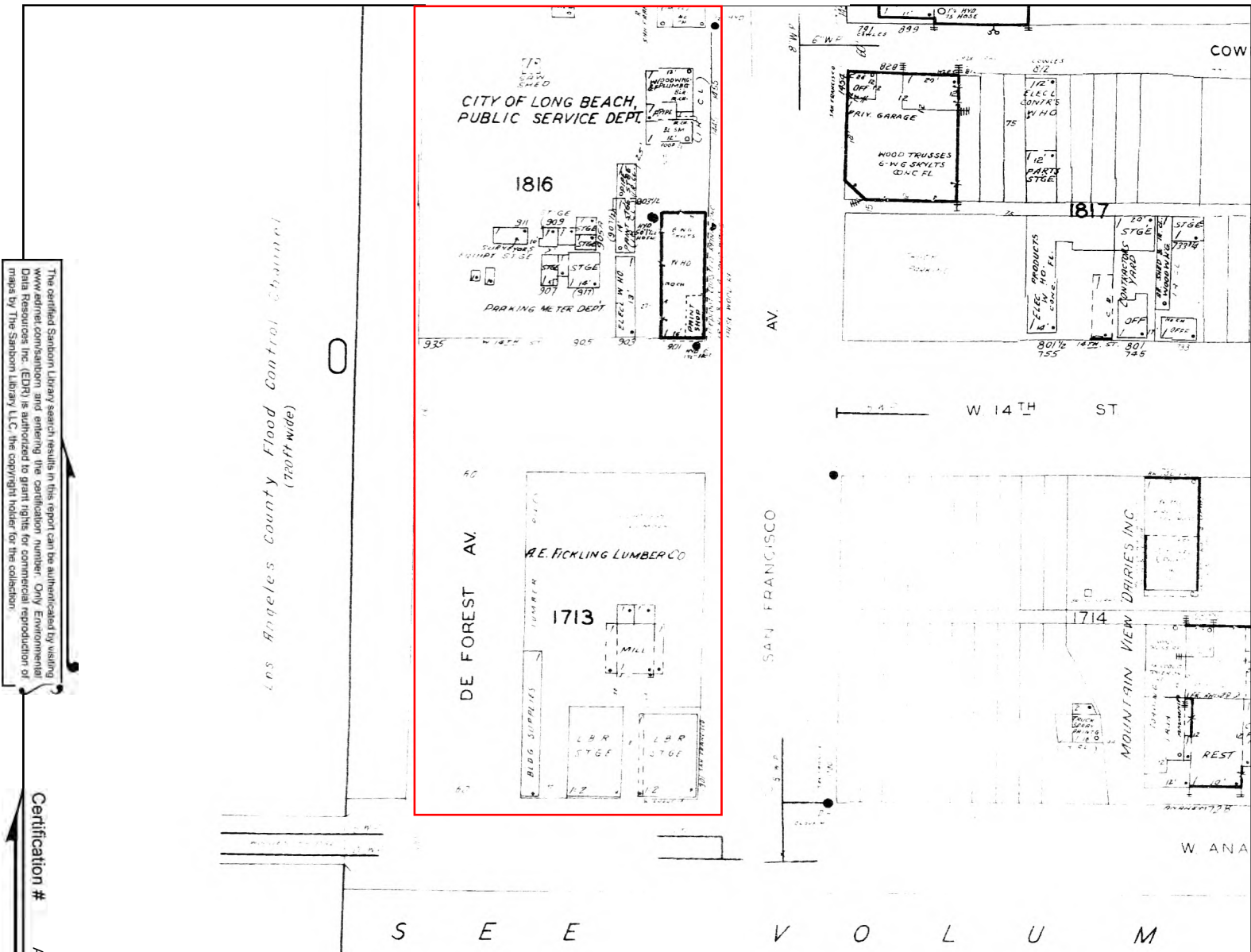
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Site Name: San Francisco Ave/W Anaheim St
Address: 929 W Anaheim St
City, ST, ZIP: Long Beach CA 90813
Client: SCS Engineers
EDR Inquiry: 2881976.3
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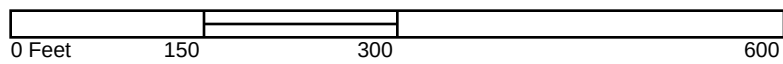
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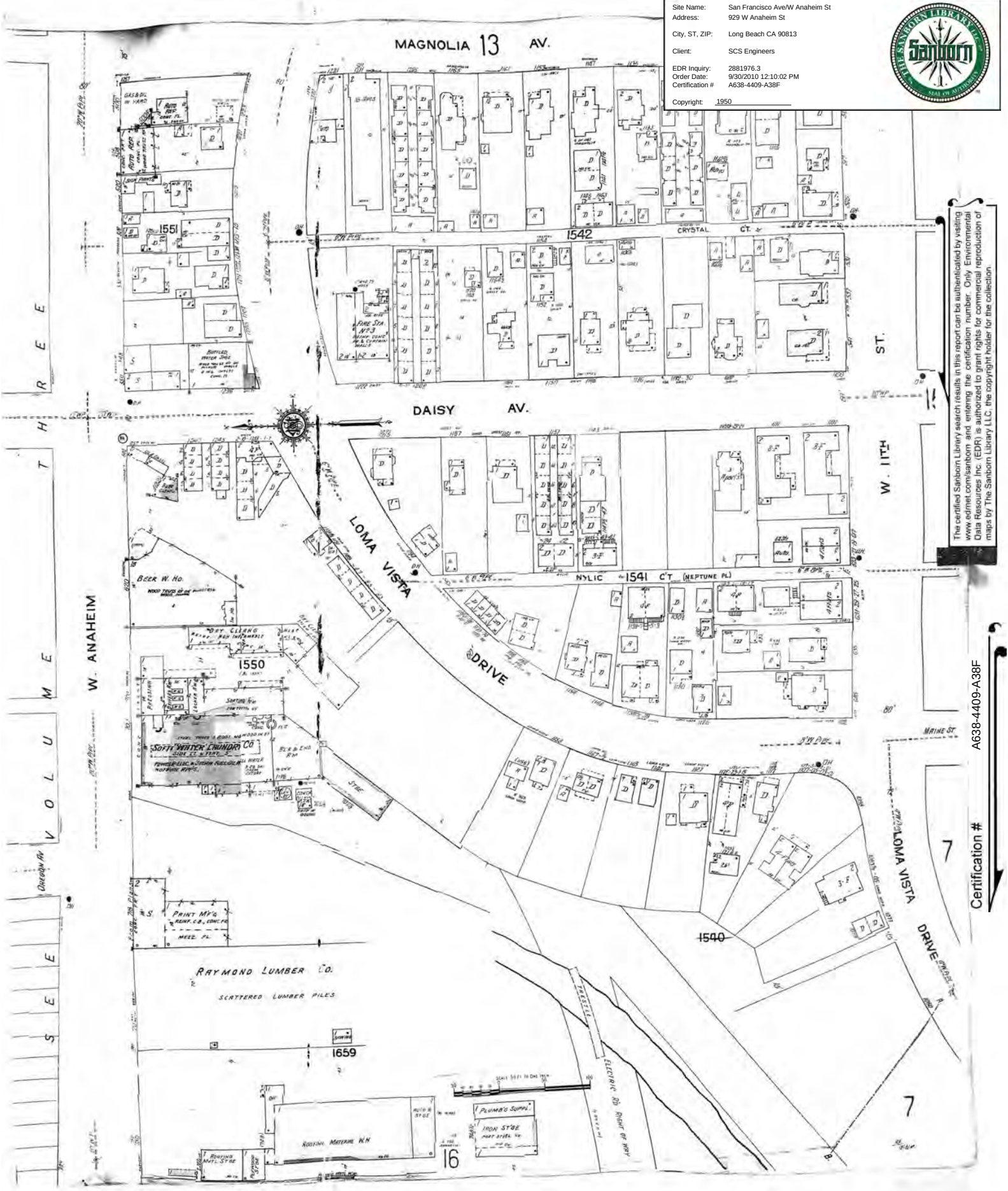


- Volume 3, Sheet 308
- Volume 3, Sheet 309
- Volume 3, Sheet 328



1950 Certified Sanborn Map

Site Name: San Francisco Ave/W Anaheim St
 Address: 929 W Anaheim St
 City, ST, ZIP: Long Beach CA 90813
 Client: SCS Engineers
 EDR Inquiry: 2881976.3
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1950 Certified Sanborn Map

Site Name: San Francisco Ave/W Anaheim St
 Address: 929 W Anaheim St
 City, ST, ZIP: Long Beach CA 90813
 Client: SCS Engineers
 EDR Inquiry: 2881976.3
 Order Date: 9/30/2010 12:10:02 PM
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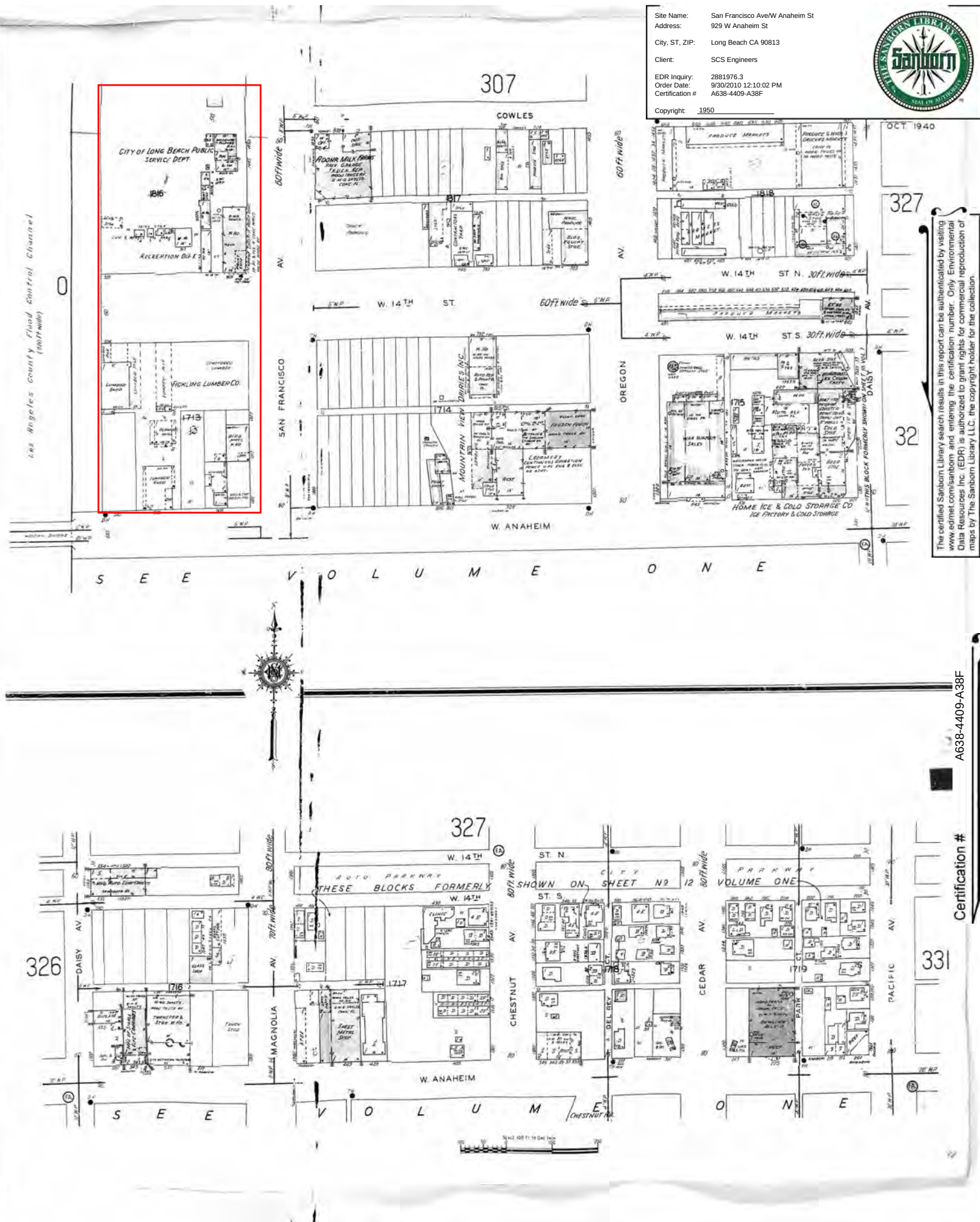
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1950 Certified Sanborn Map

Site Name: San Francisco Ave/W Anaheim St
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 Certification #: A638-4409-A38F
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OCT 1940



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Certification #

1950 Certified Sanborn Map

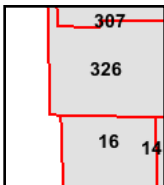
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Client: SCS Engineers
EDR Inquiry: 2881976.3
Order Date: 9/30/2010 12:10:02 PM
Certification #: A638-4409-A38F
Copyright: 1950

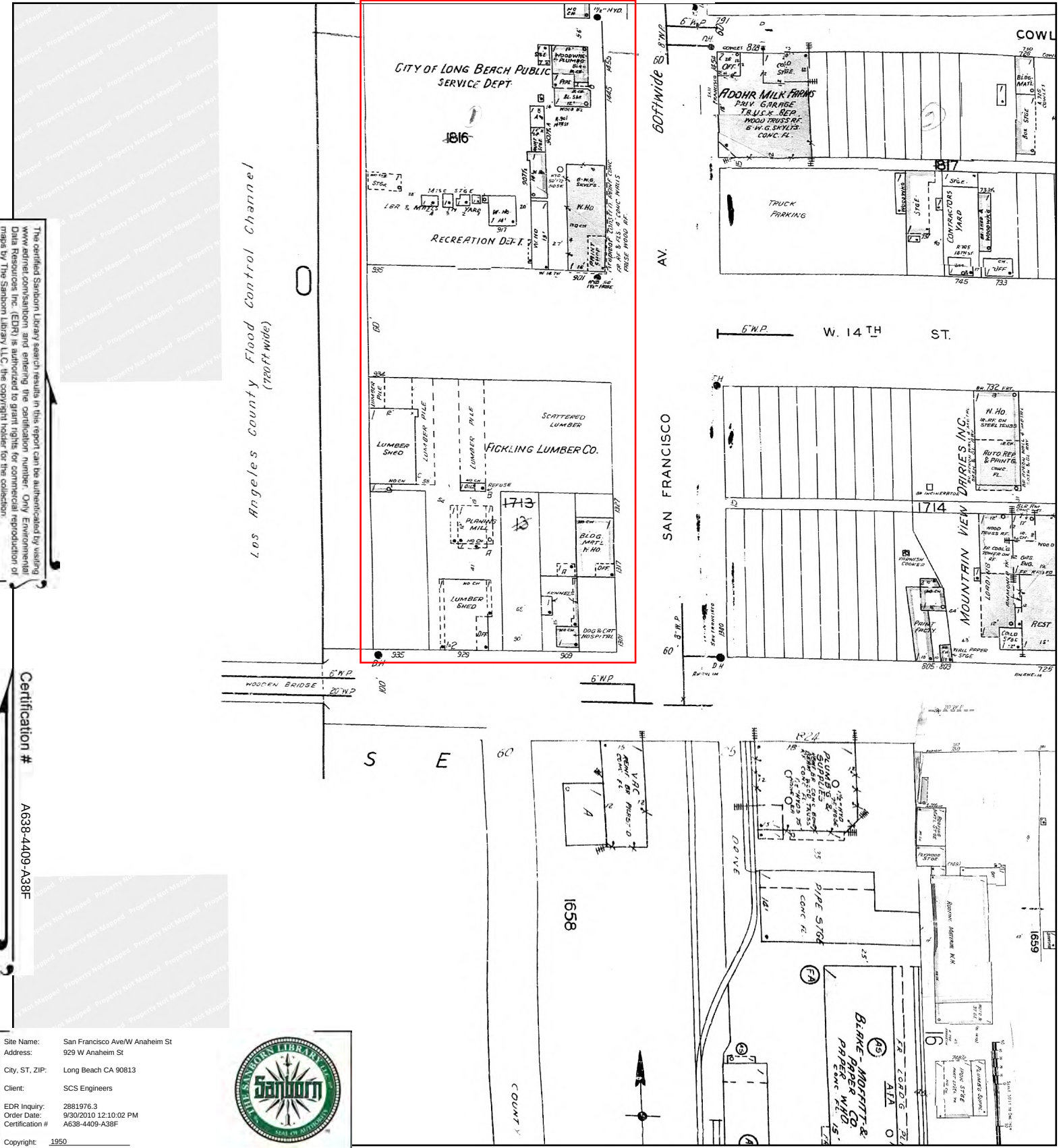


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Outlined areas indicate map sheets within the collection.



Volume 1, Sheet 14
Volume 1, Sheet 16
Volume 3, Sheet 307
Volume 3, Sheet 326

0 Feet 150 300 600



1949 Certified Sanborn Map

Site Name: San Francisco Ave/W Anaheim St
 Address: 929 W Anaheim St
 City, ST, ZIP: Long Beach CA 90813
 Client: SCS Engineers
 EDR Inquiry: 2881976.3
 Order Date: 9/30/2010 12:10:02 PM
 Certification #: A638-4409-A38F

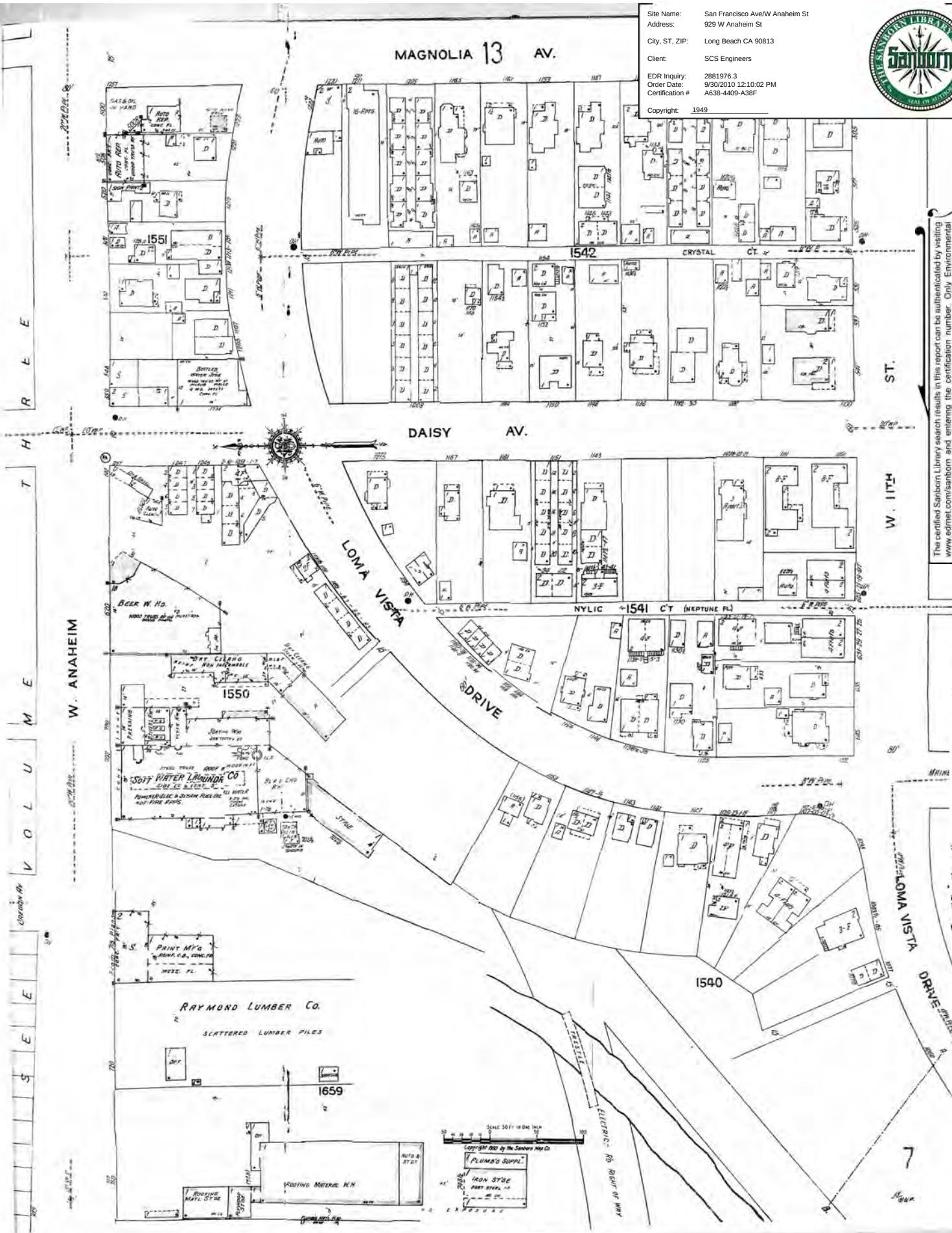
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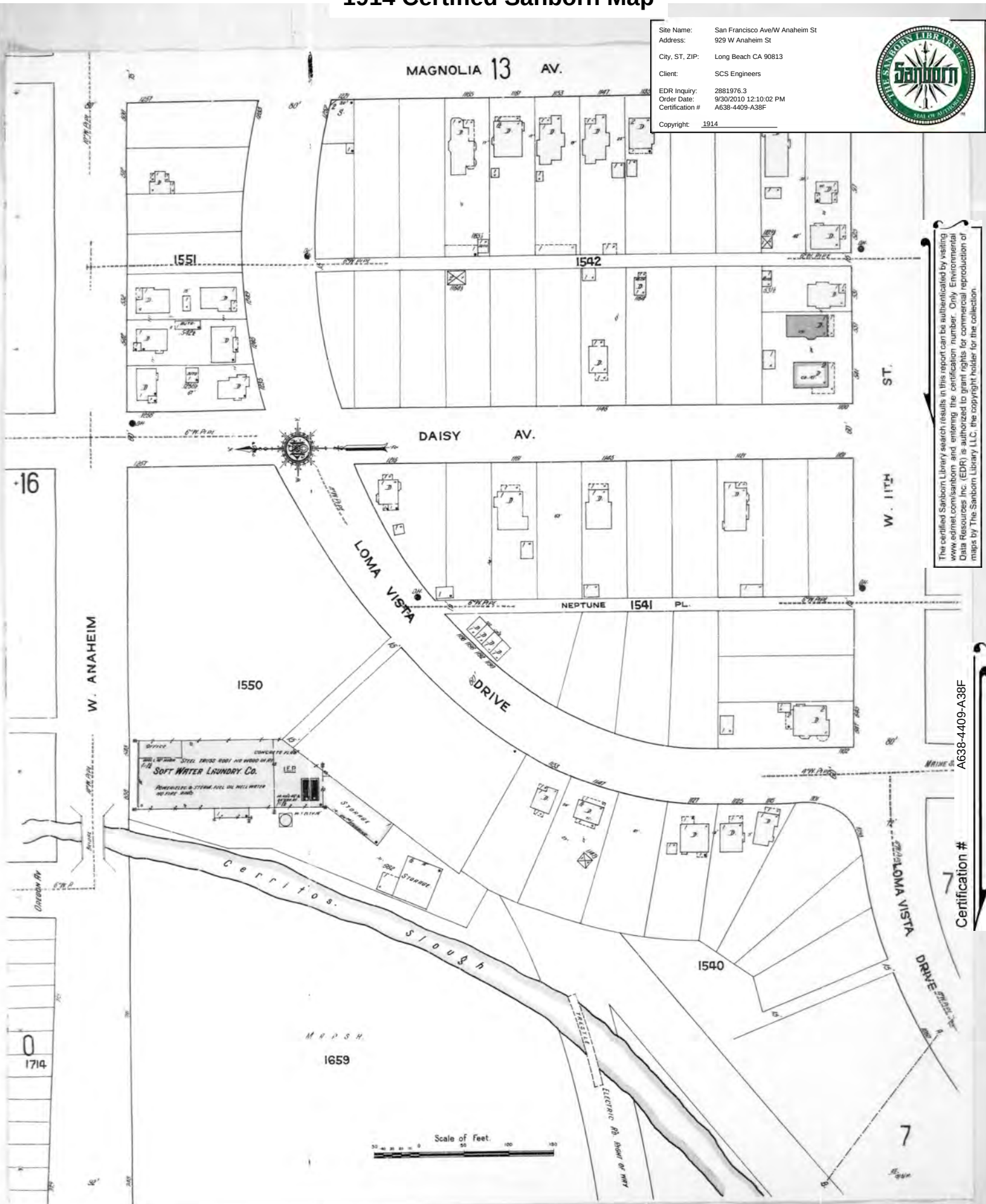


1914 Certified Sanborn Map

Site Name: San Francisco Ave/W Anaheim St
 Address: 929 W Anaheim St
 City, ST, ZIP: Long Beach CA 90813
 Client: SCS Engineers
 EDR Inquiry: 2881976.3
 Order Date: 9/30/2010 12:10:02 PM
 Certification #: A638-4409-A38F
 Copyright: 1914



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Certification # 7

San Francisco Ave/W Anaheim St

929 W Anaheim St

Long Beach, CA 90813

Inquiry Number: 2881976.3

October 04, 2010

Certified Sanborn® Map Report

Certified Sanborn® Map Report

9/30/10

Site Name:

San Francisco Ave/W Anaheim
929 W Anaheim St
Long Beach, CA 90813

Client Name:

SCS Engineers
3900 Kilroy Airport Way
Long Beach, CA 90806

EDR Inquiry # 2881976.3

Contact: Loran Bures



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Cross Street:
P.O. # 01-00381
Project: 01210161.00
Certification # A638-4409-A38F



Sanborn® Library search results
Certification # A638-4409-A38F

Maps Provided:

1963
1950

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Sanborn Sheet Thumbnails

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1963 Source Sheets

1950 Source Sheets



Volume 3, Sheet 306



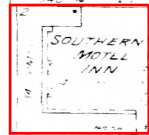
Volume 3, Sheet 307

1963 Certified Sanborn Map

LONG BEACH, CAL VOL 3

307

"A"
OCT 1942



LONG BEACH CITY YARD
(STREET REAR)

2096

GAS &
OIL IN
YARD

LONG BEACH 1984 CITY YARD



GOODWILL INDUSTRIES

GOODWILL INDUSTRIES
REIN. CONC.
PILAST. & FL.
FURN. & CLO.
RESTORATION
2" DIA. HOSE
110" HOSE
STEEL POSTS & BEAMS

W. ESTHER

BEVERAGE
W. HO

2097

W. 17TH

1985

COUNTY FLOOD CONTROL CHANNEL

60 ft wide

SAN FRANCISCO AV

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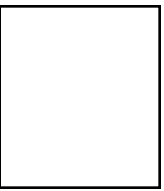
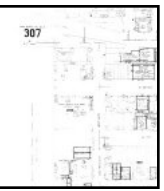
Site Name: San Francisco Ave/W Anaheim St
Address: 929 W Anaheim St
City, ST, ZIP: Long Beach CA 90813
Client: SCS Engineers
EDR Inquiry: 2881976.3
Order Date: 9/30/2010 12:10:02 PM
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0 Feet 150 300 600



1950 Certified Sanborn Map

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325

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1950 Certified Sanborn Map

(P 6295A)
LONG BEACH, CAL. VOL. 3.

307

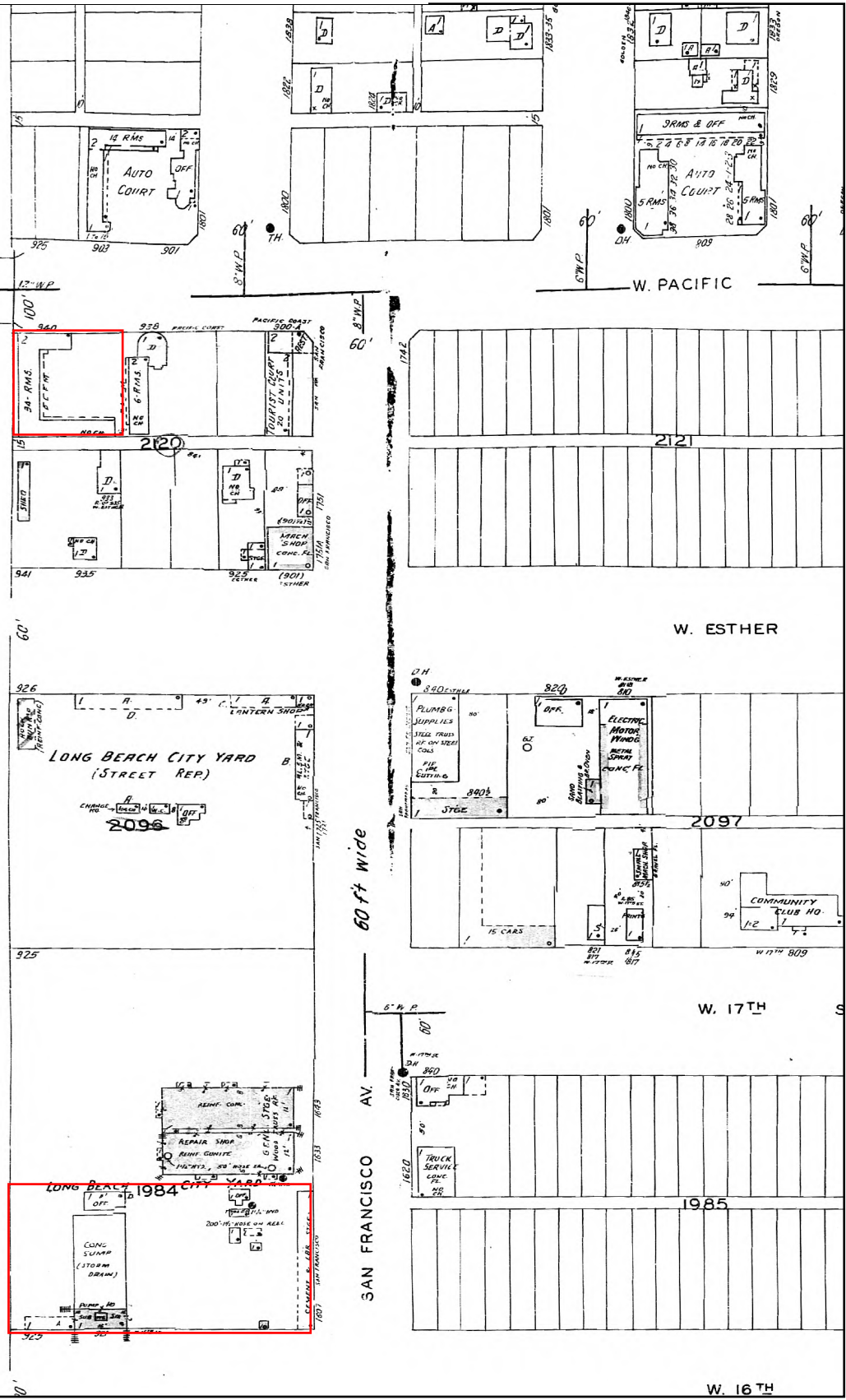
"A"
OCT. 1942

CHANNEL
CONTROL
FLOOD
COUNTY
MOSTLY DRY

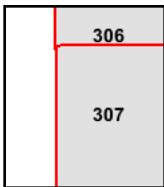
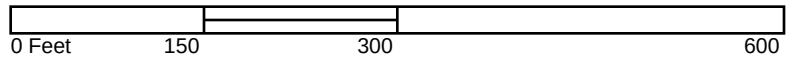
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Volume 3, Sheet 306
 Volume 3, Sheet 307



San Francisco Ave/W Anaheim St

929 W Anaheim St

Long Beach, CA 90813

Inquiry Number: 2881976.3

October 04, 2010

Certified Sanborn® Map Report

Certified Sanborn® Map Report

9/30/10

Site Name:

San Francisco Ave/W Anaheim
929 W Anaheim St
Long Beach, CA 90813

Client Name:

SCS Engineers
3900 Kilroy Airport Way
Long Beach, CA 90806

EDR Inquiry # 2881976.3

Contact: Loran Bures



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Project: 01210161.00
Certification # A638-4409-A38F



Sanborn® Library search results
Certification # A638-4409-A38F

Maps Provided:

1963
1950

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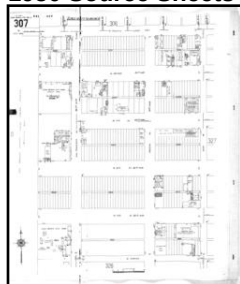
Sanborn Sheet Thumbnails

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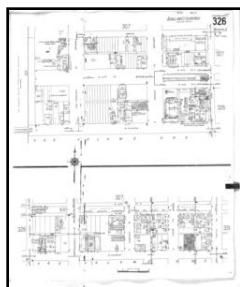


1963 Source Sheets

1950 Source Sheets



Volume 3, Sheet 307



Volume 3, Sheet 326

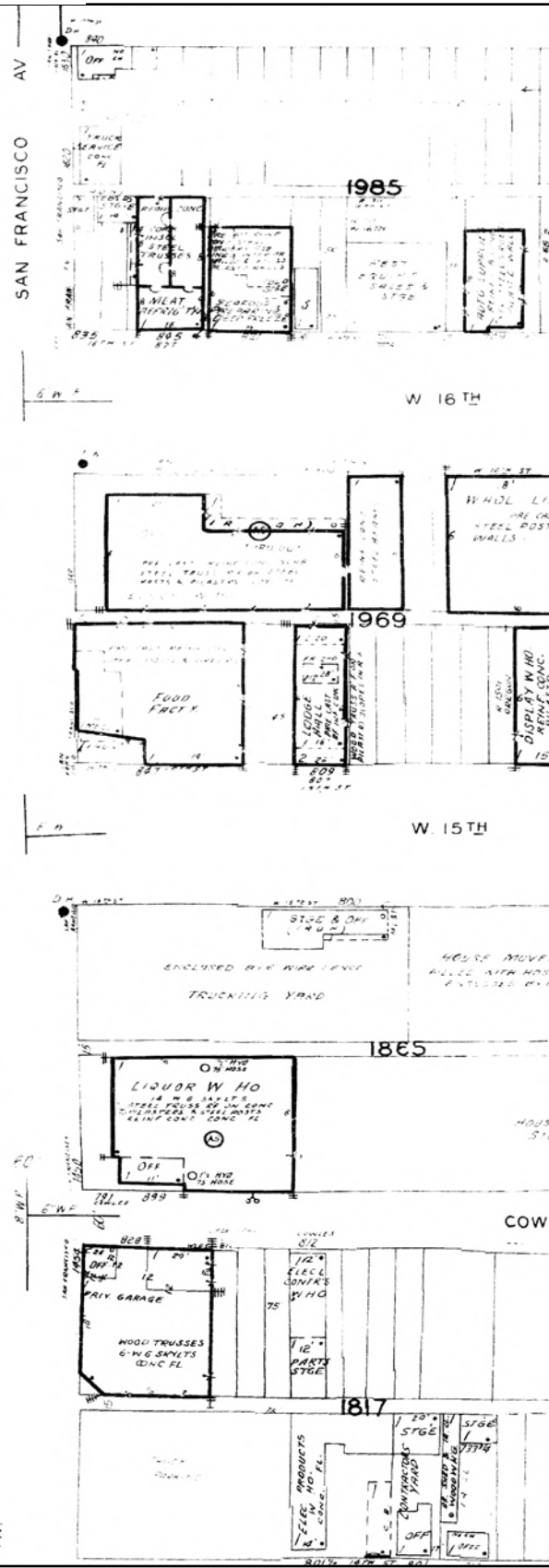
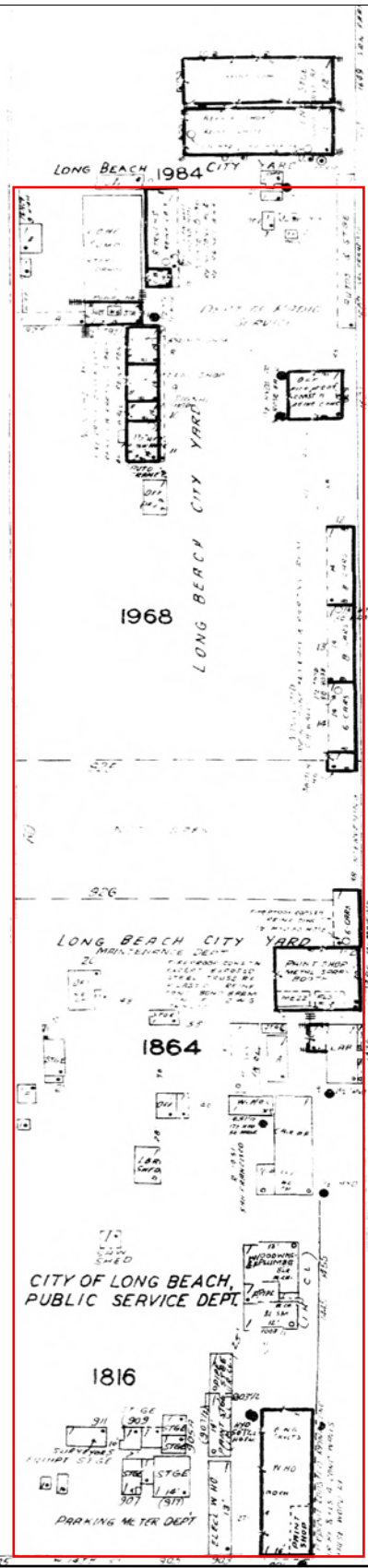
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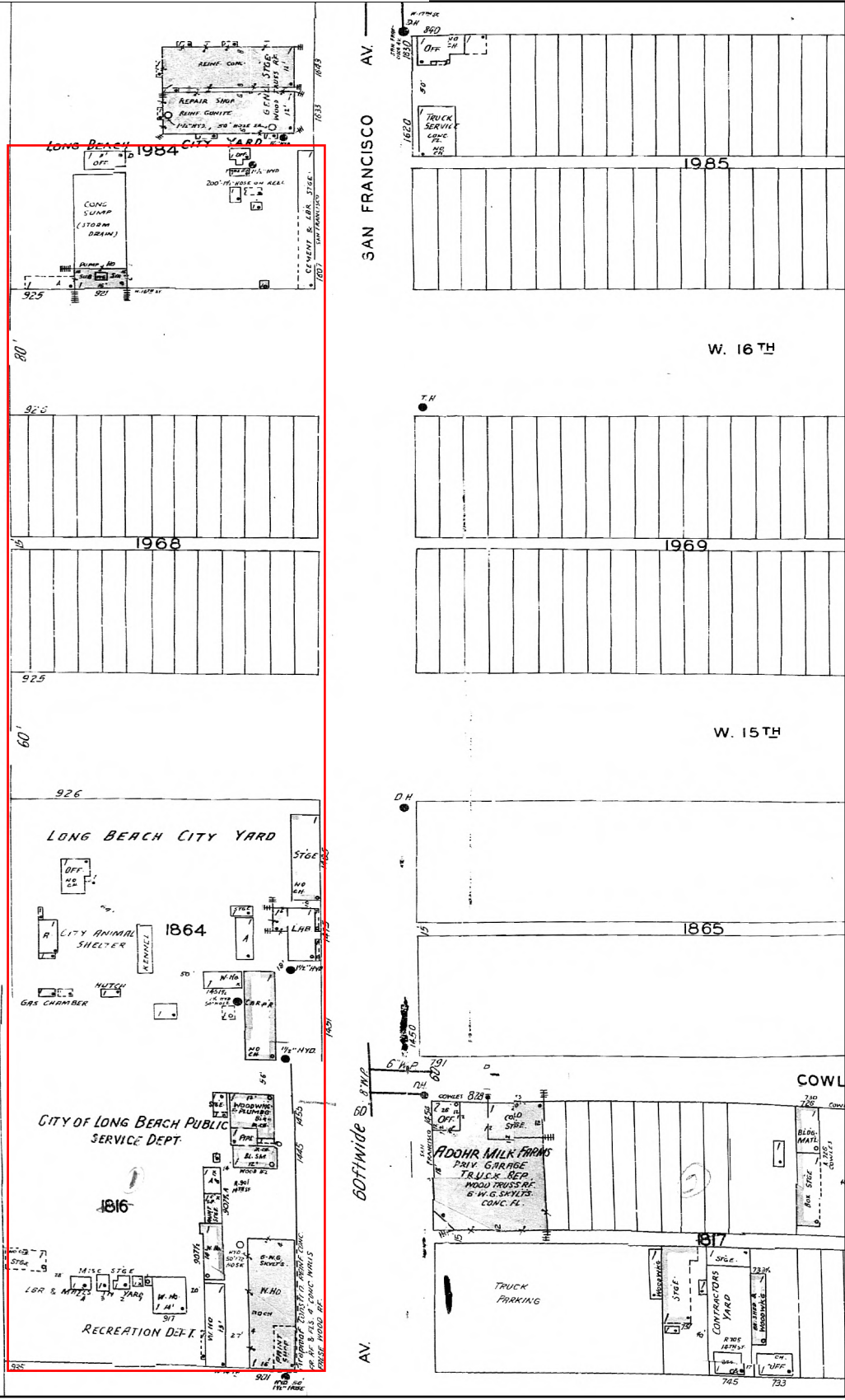


1950 Certified Sanborn Map

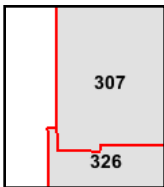
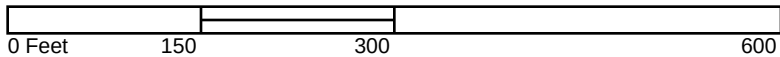
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Volume 3, Sheet 307
Volume 3, Sheet 326



San Francisco Ave/W Anaheim St

929 W Anaheim St

Long Beach, CA 90813

Inquiry Number: 2881976.3

October 04, 2010

Certified Sanborn® Map Report

Certified Sanborn® Map Report

9/30/10

Site Name:

San Francisco Ave/W Anaheim
929 W Anaheim St
Long Beach, CA 90813

Client Name:

SCS Engineers
3900 Kilroy Airport Way
Long Beach, CA 90806

EDR Inquiry # 2881976.3

Contact: Loran Bures



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Sanborn® Library search results
Certification # A638-4409-A38F

Maps Provided:

1969
1963
1950
1949
1914

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1969 Source Sheets



Volume 1, Sheet 15



Volume 1, Sheet 17

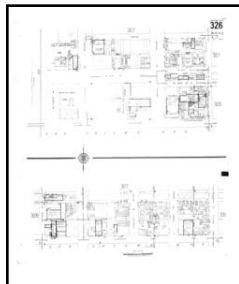
1963 Source Sheets



Volume 3, Sheet 308



Volume 3, Sheet 309



Volume 3, Sheet 328

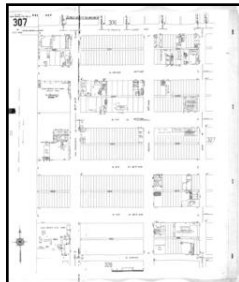
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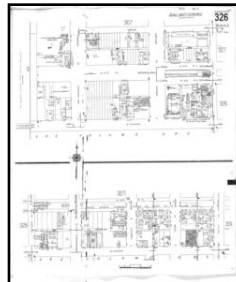
Volume 1, Sheet 14



Volume 1, Sheet 16



Volume 3, Sheet 307



Volume 3, Sheet 326

1949 Source Sheets

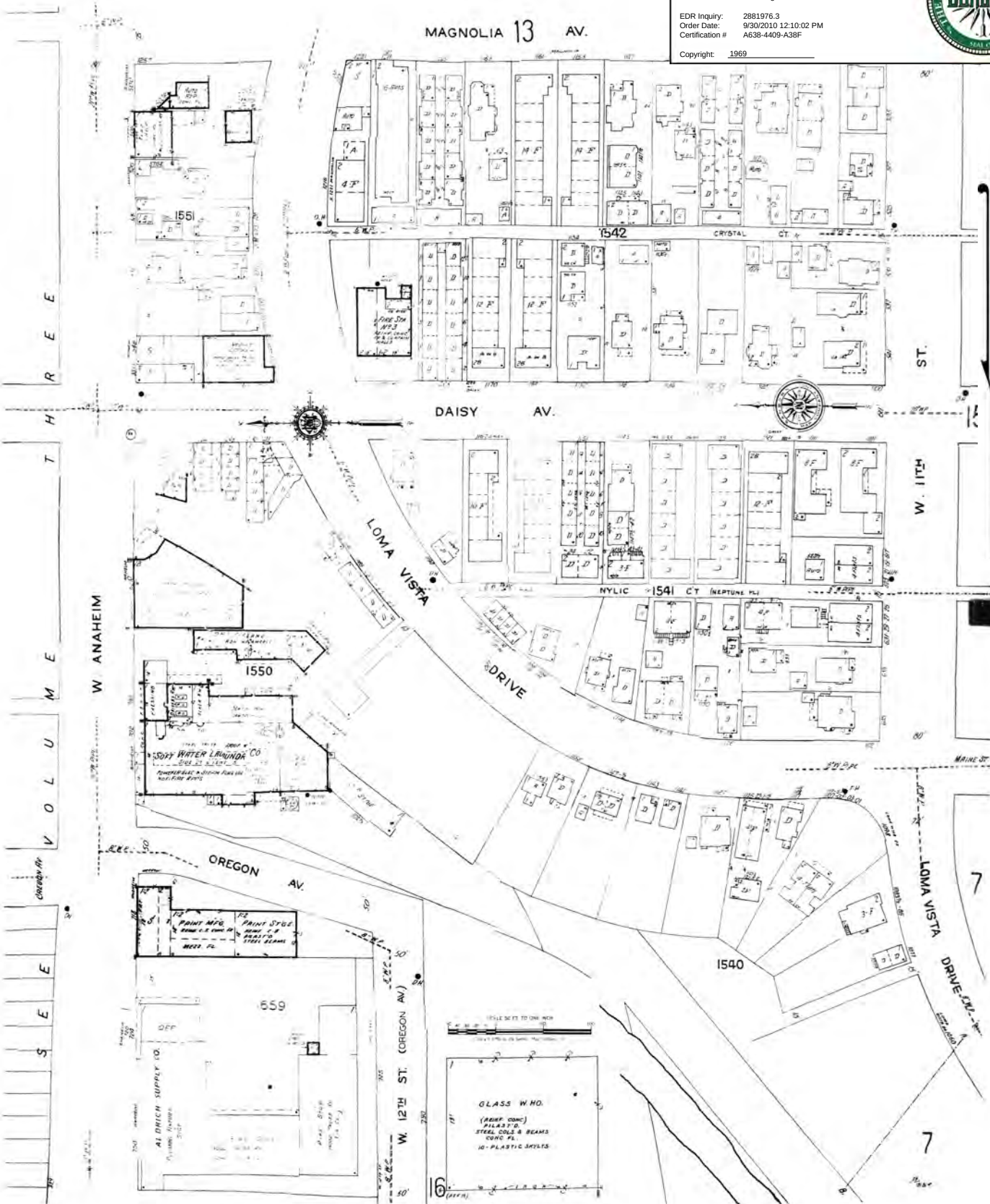


Volume 1, Sheet 15

Volume 1, Sheet 14

1969 Certified Sanborn Map

Site Name: San Francisco Ave/W Anaheim St
 Address: 929 W Anaheim St
 City, ST, ZIP: Long Beach CA 90813
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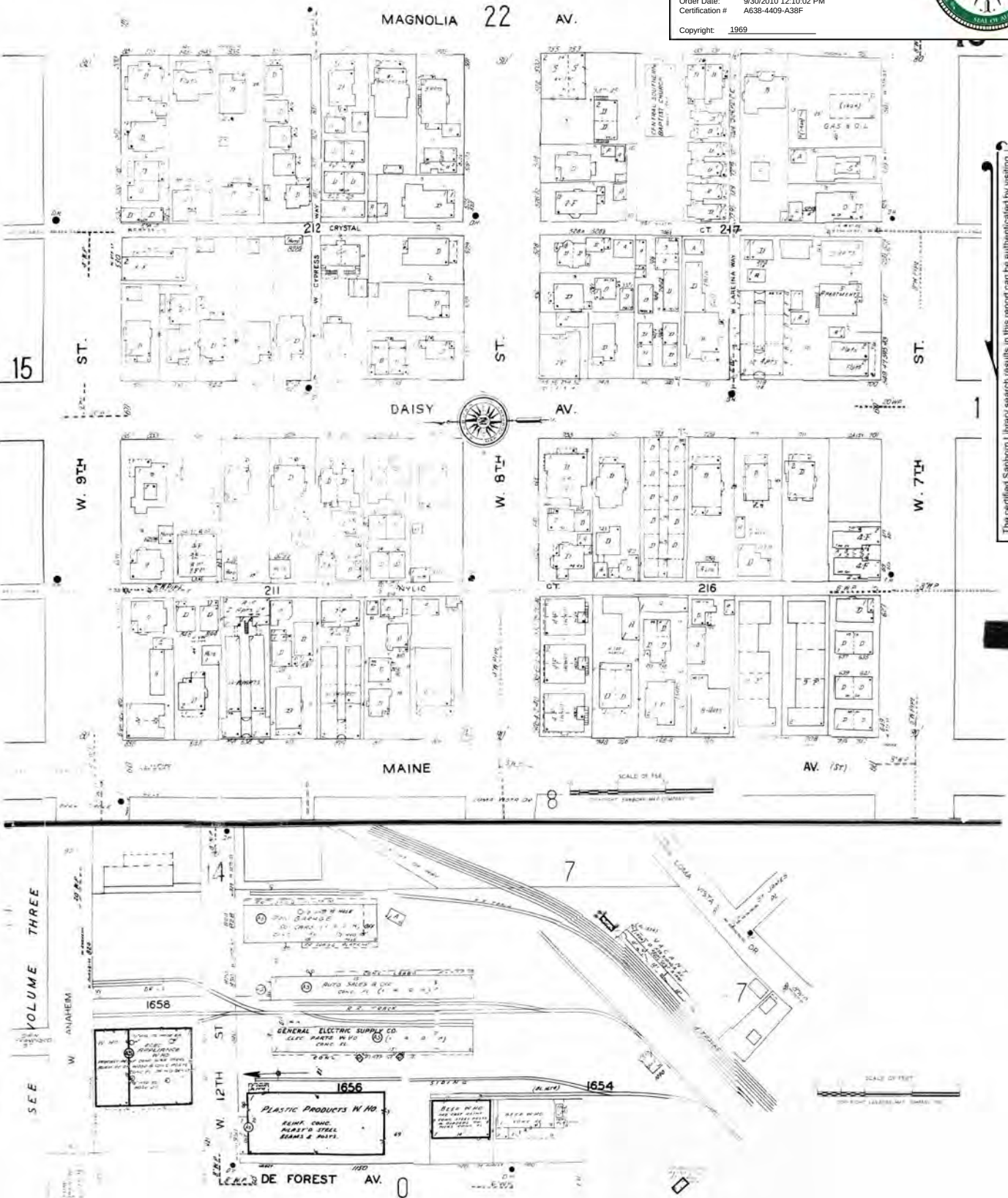
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1963 Certified Sanborn Map

Long Beach Cal. Vol. 1

306

A
OCT 1942



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Order Date: 9/30/2010 12:10:02 PM
Certification #: A638-4409-A38F
Copyright: 1963



1963 Certified Sanborn Map

LONG BEACH CAL VOL 3

307

OCT 1942

306

W PACIFIC COAST HWY

W ESTHER

60 ft wide

W 17TH ST

60 ft wide

N 16TH ST

80 ft wide

W 15TH ST

60 ft wide

W COWLES

326

SCALE OF FEET

327



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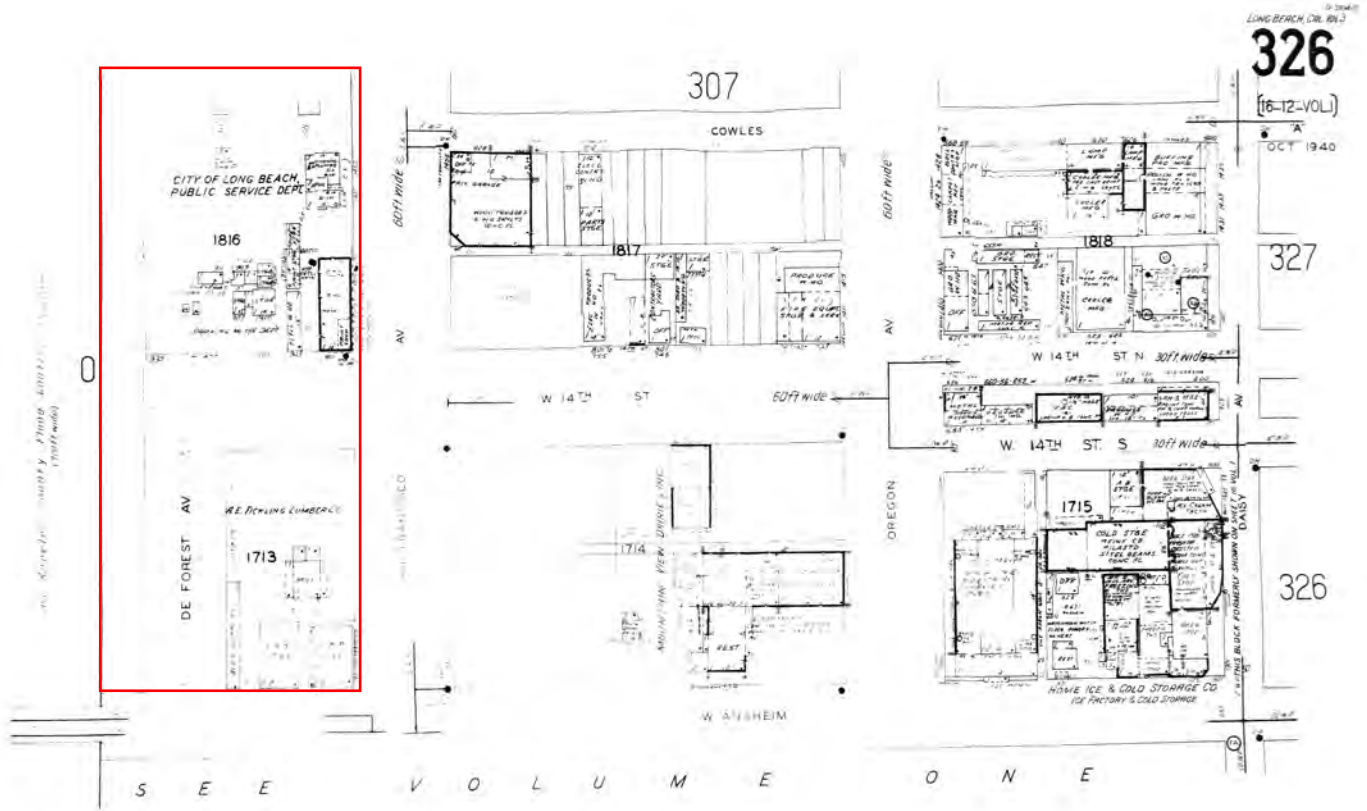
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Site Name: San Francisco Ave/W Anaheim St
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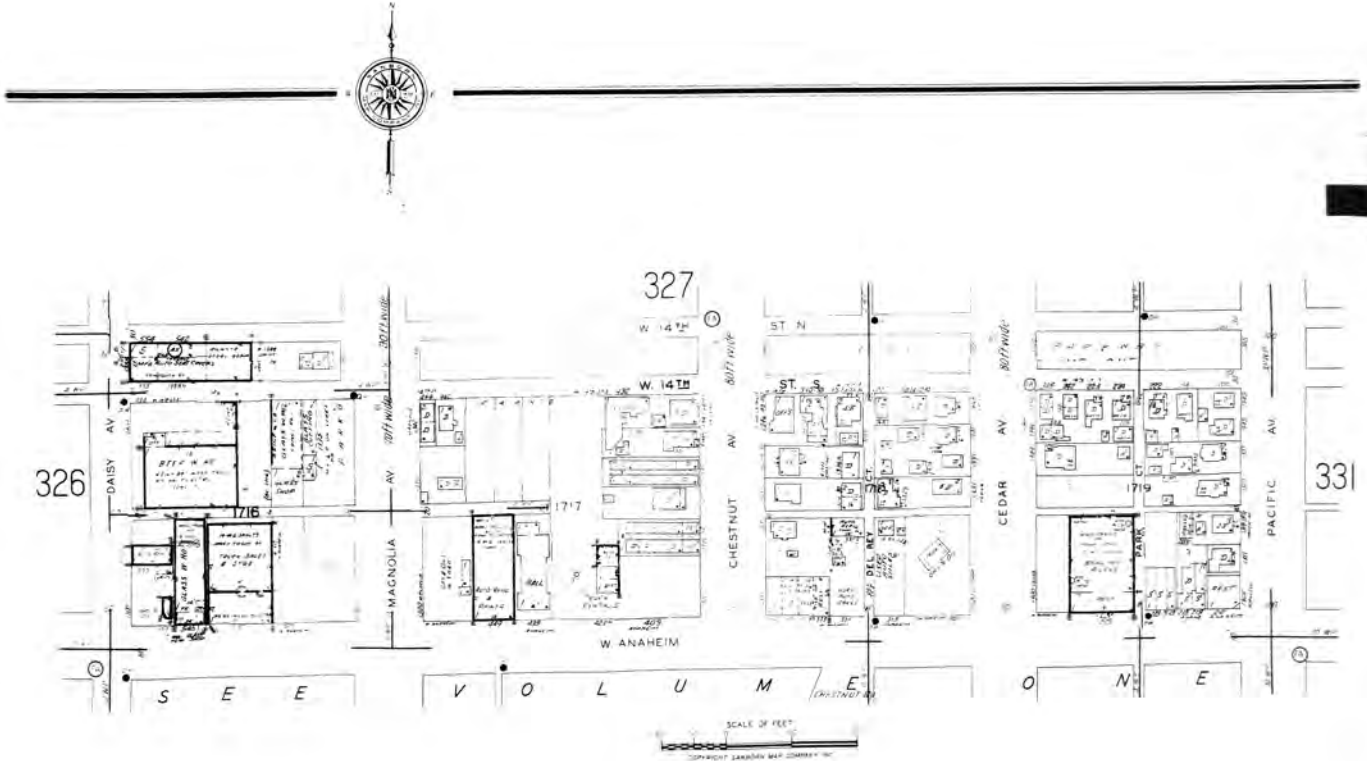


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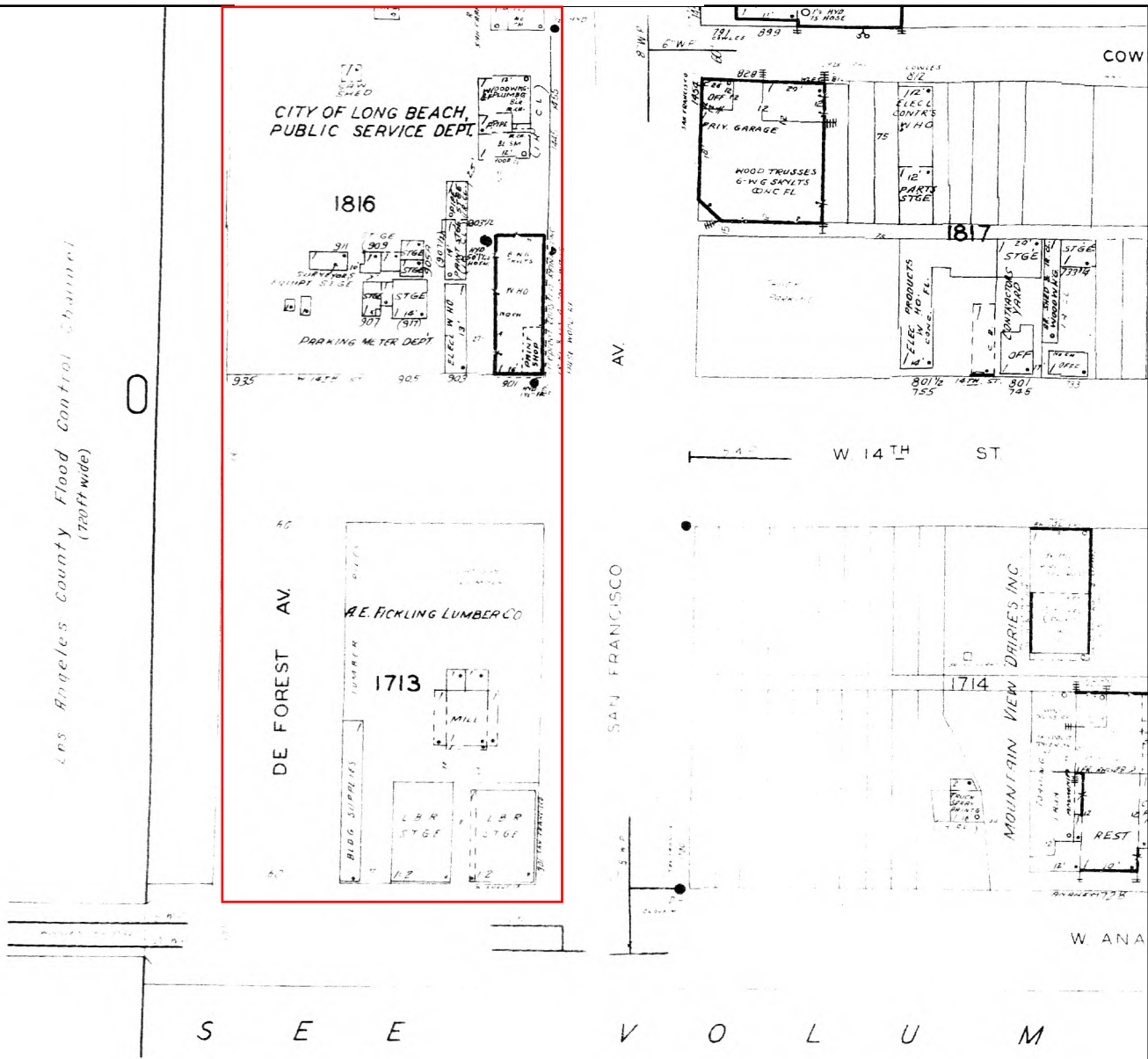
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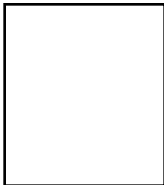


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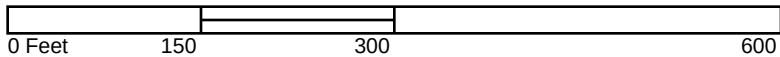


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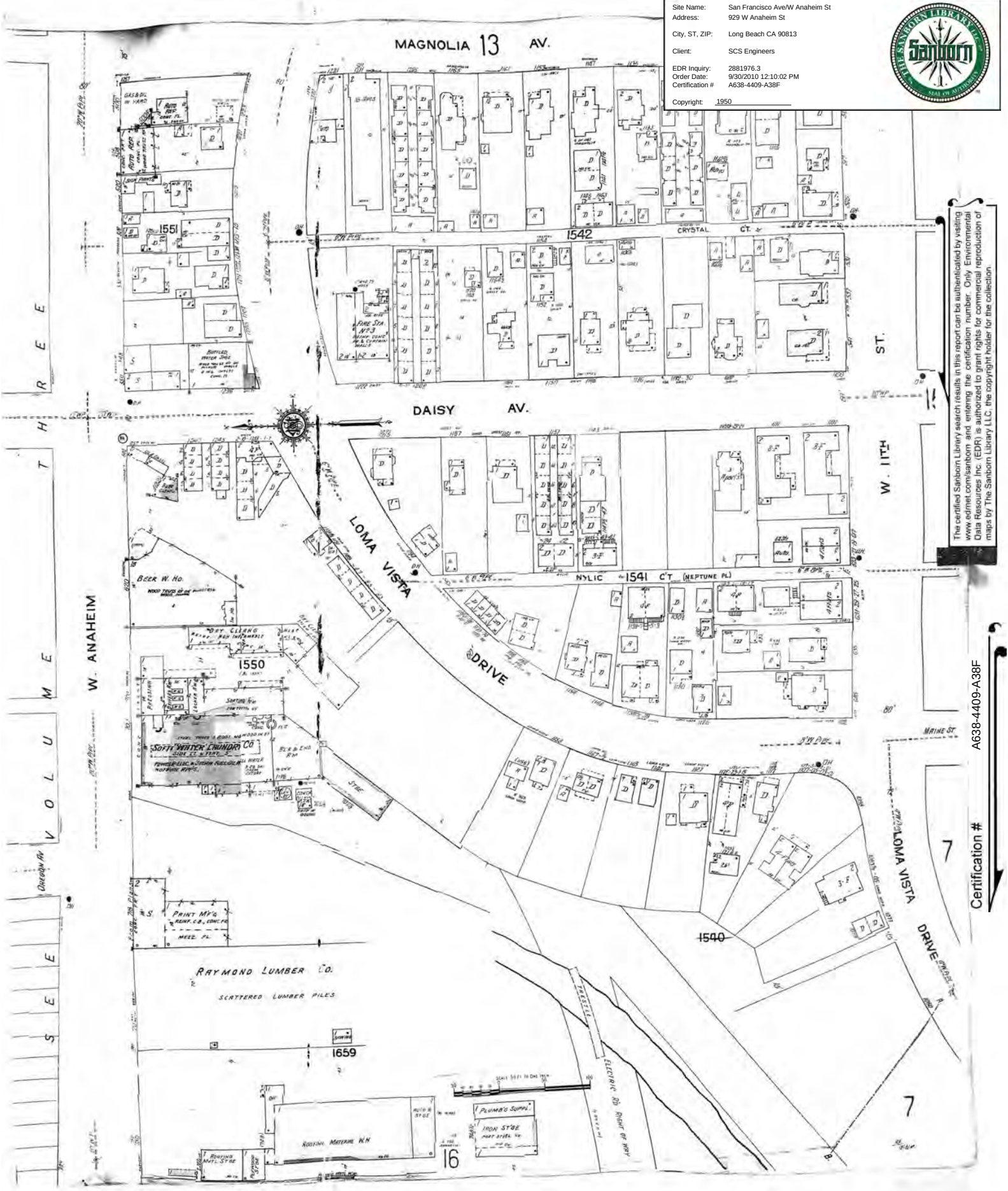


Volume 3, Sheet 308
 Volume 3, Sheet 309
 Volume 3, Sheet 328



1950 Certified Sanborn Map

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Certification #

1950 Certified Sanborn Map

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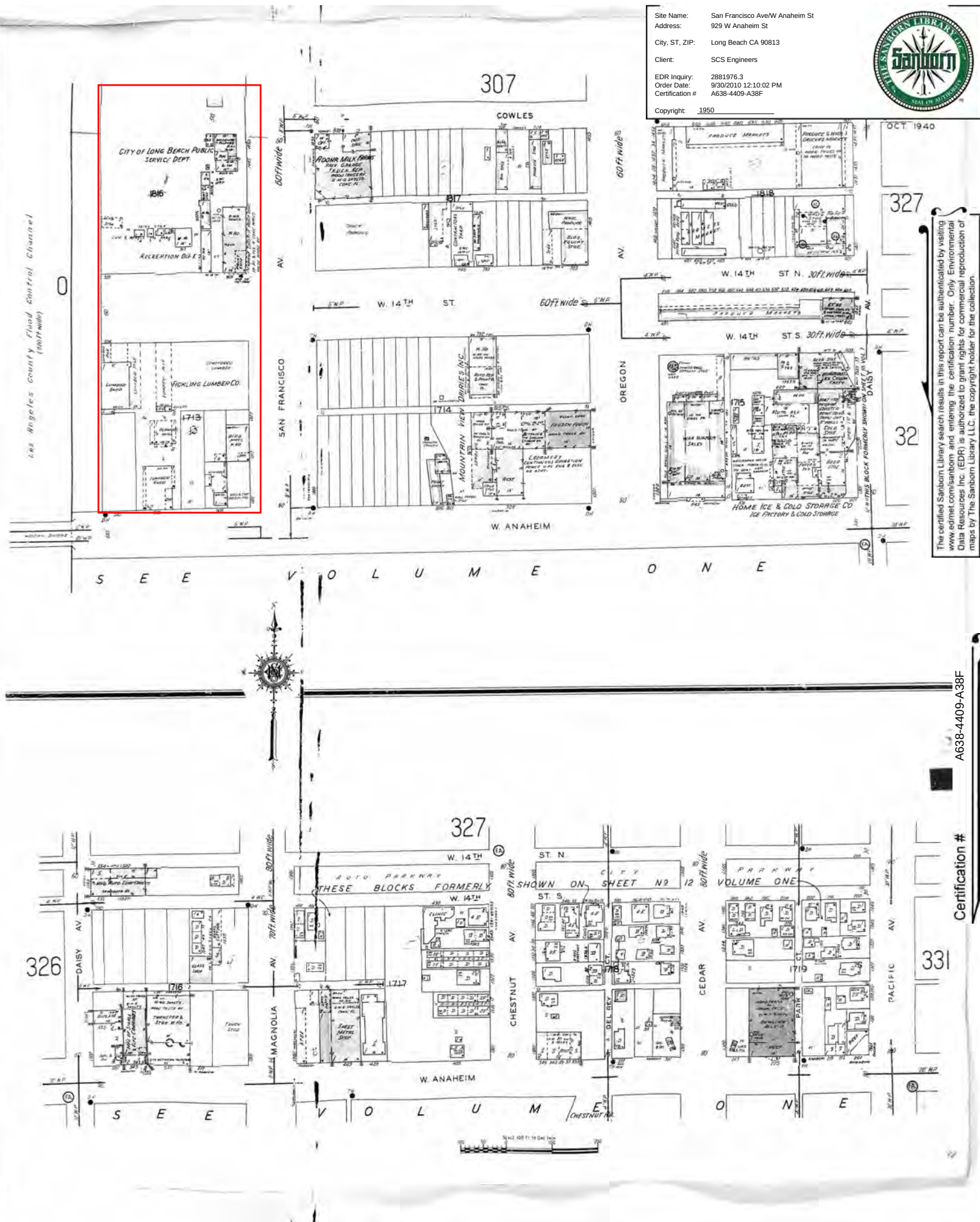
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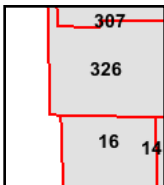
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Certification # A638-4409-A38F

Site Name: San Francisco Ave/W Anaheim St
Address: 929 W Anaheim St
City, ST, ZIP: Long Beach CA 90813
Client: SCS Engineers
EDR Inquiry: 2881976.3
Order Date: 9/30/2010 12:10:02 PM
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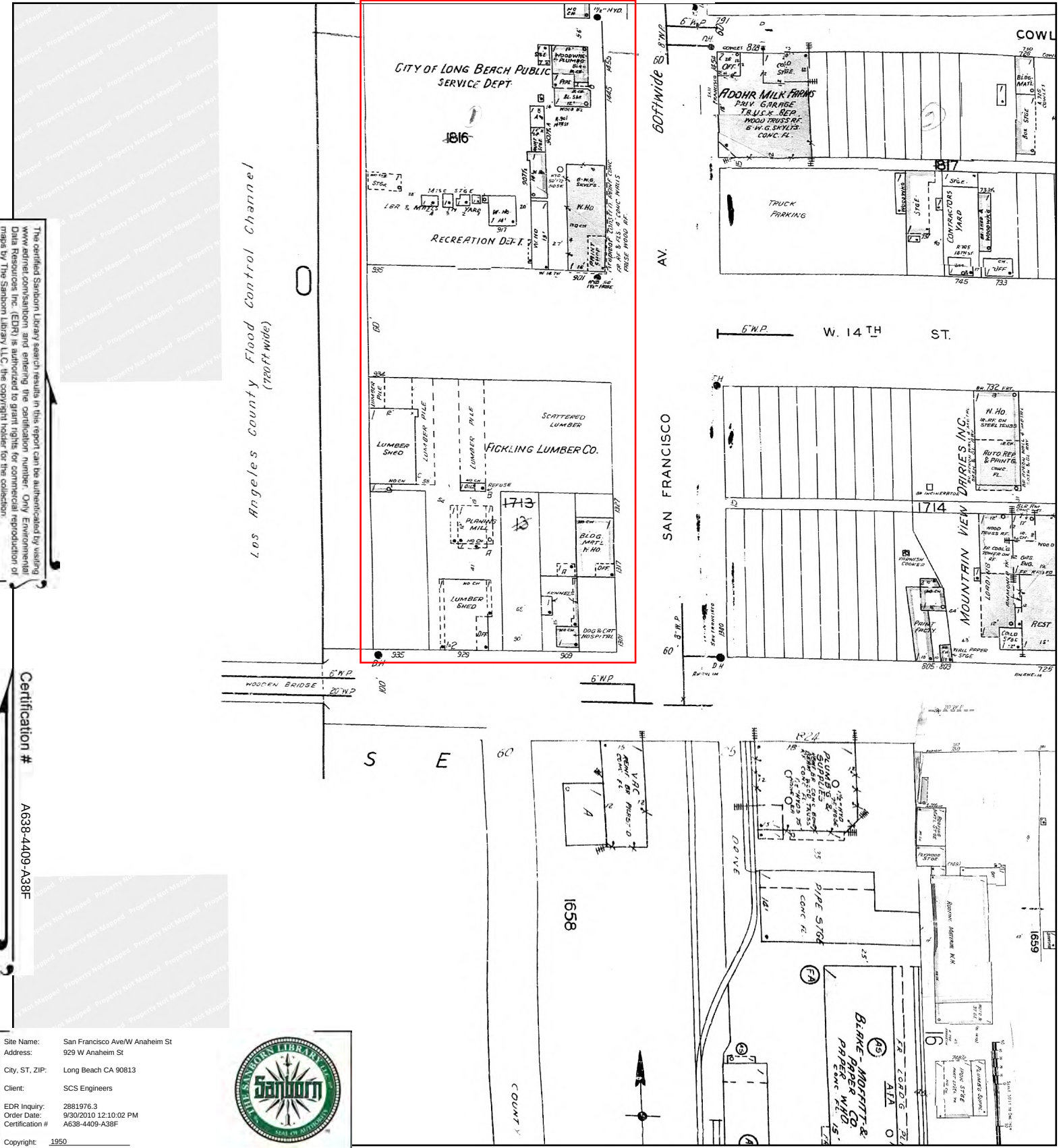


This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.



Volume 1, Sheet 14
Volume 1, Sheet 16
Volume 3, Sheet 307
Volume 3, Sheet 326

0 Feet 150 300 600



1949 Certified Sanborn Map

Site Name: San Francisco Ave/W Anaheim St
 Address: 929 W Anaheim St
 City, ST, ZIP: Long Beach CA 90813
 Client: SCS Engineers
 EDR Inquiry: 2881976.3
 Order Date: 9/30/2010 12:10:02 PM
 Certification #: A638-4409-A38F

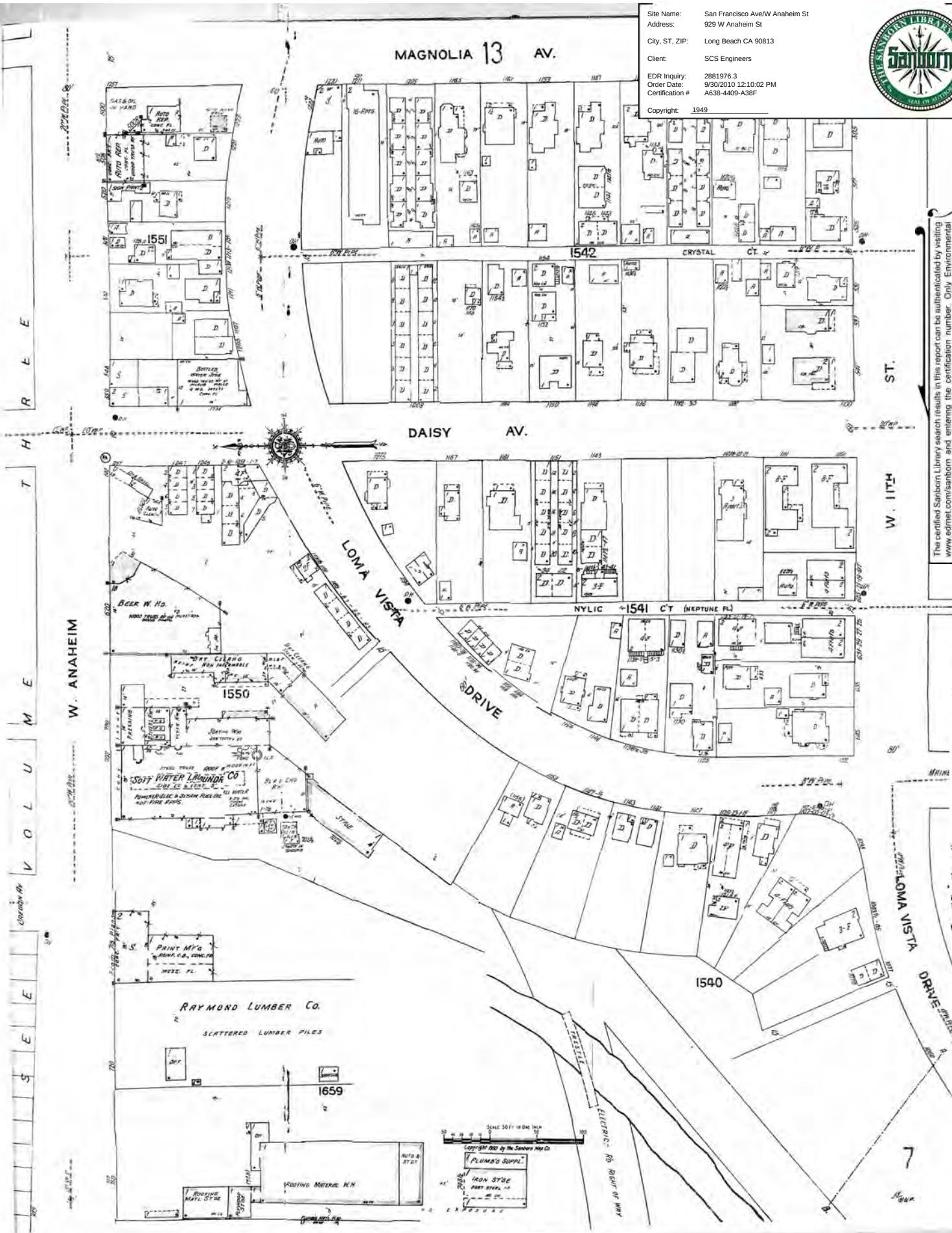
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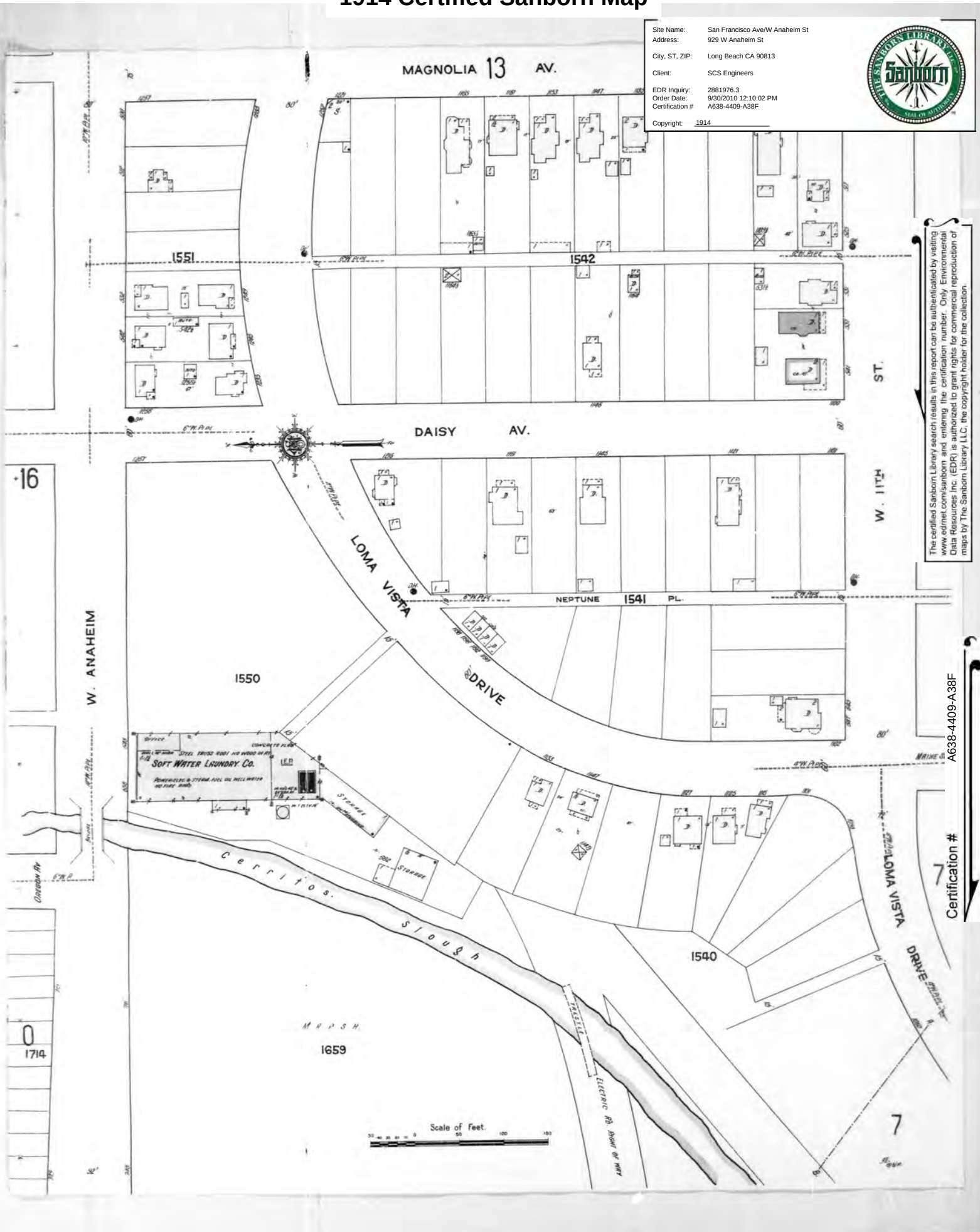


1914 Certified Sanborn Map

Site Name: San Francisco Ave/W Anaheim St
 Address: 929 W Anaheim St
 City, ST, ZIP: Long Beach CA 90813
 Client: SCS Engineers
 EDR Inquiry: 2881976.3
 Order Date: 9/30/2010 12:10:02 PM
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Certification #

APPENDIX D

PREVIOUS REPORTS

**PHASE I ENVIRONMENTAL ASSESSMENT
LONG BEACH PUBLIC SERVICE YARD
SAN FRANCISCO AVENUE – 7 APNS
LONG BEACH, CALIFORNIA**

Prepared for:

City Attorney of the City of Long Beach
c/o Overland, Pacific & Cutler, Inc.
100 West Broadway, Suite 500
Long Beach, CA 90802
(562) 431-6789

Prepared by:

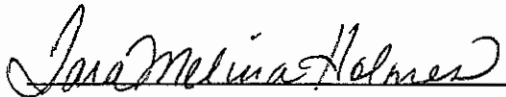
SCS Engineers
3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806
(562) 426-9544

February 22, 2005

File No. 01204007.01



This Phase I Environmental Assessment Report for the Long Beach Public Service Yard located at various addresses along San Francisco Avenue (APNs 7271-017-900, 7271-016-900, 7271-012-901, 7271-012-900, 7271-011-900, 7271-008-900, and 7271-007-902), in Long Beach, California, dated February 22, 2005, was prepared by Tara Holmes and reviewed by Kevin Green.



Tara M. Holmes
Staff Scientist



Kevin W. Green, P.G., R.E.A.
Project Director
SCS ENGINEERS



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C Historical Site Use Information (Building Permits, Aerial Photographs, and Sanborn Maps, Waste Manifests, Etc.)

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E Regulatory Agency File Review Information (LB Fire Department, DHHS and RWQCB Records)

F EDR Database Summary Report (See CD insert for Complete Report)

G Resumes of Project Personnel



EXECUTIVE SUMMARY

SCS Engineers (SCS) was retained by Overland, Pacific & Cutler, Inc. on behalf of the City Attorney of the City of Long Beach to prepare a Phase I Environmental Assessment of the Long Beach Service Yard (APNs 7271-017-900, 7271-016-900, 7271-012-901, 7271-012-900, 7271-011-900, 7271-008-900, and 7271-007-902) in Long Beach, California (the "Property"). This assessment was performed in general conformance with ASTM requirements for Phase I Assessments (ASTM E1527-00).

Based on the scope of work performed, SCS finds the following:

- The Long Beach Service Yard consists of seven rectangular Los Angeles County Tax Assessor's Parcels that total approximately 689,913 square feet in area. The Property is located west of San Francisco Avenue and east of the Los Angeles River between Pacific Coast Highway and Anaheim Street in Long Beach, California. The six southern-most parcels of the Property are contiguous and include the intervening street rights-of-way, which have been incorporated into the Public Service Yard. The northern-most parcel (940 Pacific Coast Highway, APN 7271-017-900) is located on the north side of the adjacent city block, approximately 200 feet north of the other parcels.
- The Property is presently utilized for various operations performed by Long Beach Public Services (e.g. traffic management, street maintenance, and landscaping). The Property is occupied by 24 buildings, eight storage sheds, a carwash, two clarifiers, a fueling station with underground storage tanks of diesel and gasoline, four gravel bays, two aboveground tar emulsion tanks, an aboveground propane tank and several hazardous materials storage areas. The area surrounding the structures is paved, and the large open areas of the Property are utilized for storage and parking. The two clarifiers, which are utilized at a vehicle washing station and a paint equipment cleaning station, the paint spray booth and the hazardous materials storage areas are considered Recognized Environmental Concerns.
- Historical information indicates that portions of the Property were initially developed for commercial use as early as 1926, and have been used for commercial or industrial purposes since that time. Superior Laundry was identified in city directories on the Property in 1926. A veterinarian and kennels occupied a portion of the Property from at least 1929 through 1948. Lumber and building material companies (Fickling and Blue Diamond) occupied part of the Property from at least 1932 until the early 1980s, when records indicate that a portion of the Property was redeveloped with the City of Long Beach Tow Yard. The city tow yard was in operation until 1999; and that portion of the Property has been used for equipment and vehicle storage since that time. At least a portion of the Property appears to have been utilized by the City of Long Beach, as a "municipal garage," since as early as 1926. Various other city operations, such as a chemical laboratory and a machine shop have existed on the Property from as early as 1940 to present. The southwestern portion of the Property was occupied by De Forest

Avenue in 1963 and possibly as early as 1953 or earlier. City Tow Yard personnel indicated that the western portion of the Property, somewhat elevated with respect to the rest of the Property, is likely fill material, which may contain debris from the 1933 earthquake.

- Superior Laundry was identified on the Property at 1317 San Francisco Avenue in 1926. It is possible that this laundry conducted dry cleaning operations. Any dry cleaning operation in the 1920s would very likely have used a petroleum-based solvent (gasoline or Stoddard), and dry cleaning operations using petroleum products were, in SCS's experience, unlikely to have resulted in any significant environmental impact to the parcels they occupy. In summary, the presence of a "laundry" or possible dry cleaning operation in 1926 does not represent an environmental concern for the Property.
- Observations during the site inspection indicate that adjacent properties are currently occupied by: Long Beach Garage Door Co., Hydraulic and Automation Controls Co., The Food Bank of Southern California (and associated parking lot), 7-Strand, Ready Storage, BCIA Precision Casting, Graybar Distributor of Electrical and Comm/Data Products, Long Beach Seafood Co. Wholesale Outlet, Mylo's Custom Auto Body, Tacoma Express Inc., Truck Parking, Riley Marine Products, Goodwill (and associated parking lots), and Ocean Blue Environmental Services. No obvious recognized environmental concerns for the Property were identified on these adjacent sites.
- Regulatory database information identified the Property on the HAZNET, Cortese, LUST, RCRIS-SQG, FINDS, SWF/LF, EMI, and UST databases. The Cortese, LUST and UST database listings appear to relate to the current and historic UST operations, removals and cleanups. Other EDR report information indicated that wastes such as organic solids, oil-containing wastes, aqueous solutions with organic residues, asbestos containing waste, unspecified solvent mixture waste, and waste oil and mixed oil, were used on the Property. Additionally, the database report indicated that a transfer station operation formerly existed on the Property.
- Long Beach Fire Department information indicated that there are two 12,000-gallon USTs are currently in use, one gasoline and one diesel. These tanks are located on parcel 7271-008-900, between Cowles and 14th Street. At this time, there is no evidence in LBFD records that leaks or spills have occurred from these USTs.
- Historic on-site USTs included the following:
 1. 10,000-gallon unleaded gasoline, reportedly installed in 1966 and removed in January 1999. Regulatory closure received from Long Beach/Signal Hill Joint Powers Agency (JPA) in the "No Further Action" Letter dated March 25, 1999.
 2. 10,000-gallon diesel, reportedly installed on November 5, 1959 and removed in January 1999. Regulatory closure received from the JPA in the "No Further Action" Letter dated March 25, 1999.

3. 1,000-gallon unused UST, originally meant for solvent/kerosene, installed on July 19, 1988 and removed in January 1999. Regulatory closure received from JPA in the "No Further Action" Letter dated March 25, 1999.
4. 500-gallon kerosene UST, removed in July 1988. The location of this UST was at the southwest corner of San Francisco Avenue and Esther Street. One undertank soil sample contained 16,000 parts per million of hydrocarbons. A note dated March 25, 1999 on the City of Long Beach Environmental Health Underground Tank Program Tracking System summary states:

"Based on present closure guidance for low risk fuel contamination site fact sheet issued by the California Regional WQCB, Los Angeles Region, this site is low risk therefore no further action is required."

Based on this information, no remediation of impacted soils was conducted.

5. 550-gallon gasoline UST – An "UST Unauthorized Release (Leak)/Contamination Site Report" dated May 29, 1996 indicated that on August 30, 1995 it was discovered that an unknown quantity of gasoline leaked from a 30 plus year old UST at 901 West Anaheim Street. This UST was removed by Maness Environmental on August 30, 1995, from a located in the 14th Street right-of-way 146 feet west of San Francisco Avenue and immediately north of the Tow Yard at 901 Anaheim. Soil and groundwater impacts were confirmed in investigations of the area. In a letter dated April 2, 2001, DHHS referred this case to the RWQCB. The Reynolds Group (TRG) prepared a workplan dated November 15, 2001 which was submitted to the RWQCB. The TRG Workplan was approved by the RWQCB in a letter dated February 19, 2002. No other information regarding this site was available in regulatory files.

The following records may be related to one or more of the USTs discussed above, or may be related to other historic USTs on the Property:

- Motor Oil UST – An UST Unauthorized Release (Leak)/Contamination Site Report dated August 4, 1995 indicated that 110 gallons of new motor oil were spilled from piping at 1725 San Francisco. No additional information regarding the location, investigation or regulatory status of this "unauthorized release" was identified in LBFD records.
- 10,000-gallon diesel UST – A "Flammable Liquids Permit," issued on January 10, 1969, for the Public Service Yard at 1725 San Francisco Street, indicated that a 10,000-gallon diesel UST was to be installed on the Property. The permit also indicated that including this tank; there were a total of two tanks (with 20,000-gallons of capacity) and one pump at this address. Another permit application for a 10,000-gallon diesel fuel UST, for the City Public Service Yard at 1725 San Francisco Avenue, was approved on March 29, 1976; this permit may be related to an existing UST. No further information was found regarding the location or disposition of these tanks. Either or both of these records may



be related to the diesel UST removed by McLaren Hart in 1999. However, there is a discrepancy with regard to the installation date; the 10,000-gallon UST removed by McLaren Hart was reportedly installed in November 1959.

- Gasoline UST – A sketch map dated September 20, 1979 was identified with the address of 1601 San Francisco Avenue. Notes on the map indicated that this was a City of Long Beach project related to the installation of vapor recovery line for an existing gasoline tank. No further information related to this tank was identified. No details were present on the map to indicate the size or location of the tank. This record may be related to the 550-gallon gasoline UST at 901 Anaheim, or the 10,000-gallon unleaded gasoline located at 1725 San Francisco, reportedly installed in 1966 and removed in January 1999.

The following additional recognized environmental conditions were identified from historical information:

- Fill Material – City personnel indicated that fill material was placed on the western portion of the Property; the source of this material is unknown, but may include debris from the 1933 earthquake. Building debris from 1933 may contain asbestos, lead-based paint, or other issues of potential environmental concern. An obvious elevated area was noted during the site inspection on the northwestern portion of parcel 7271-011-900 (between 15th and Cowles Streets).
- Possible releases of waste oils, chemicals, and solvents, may have resulted from historical operations on the Property (e.g., chemical storage and use areas, paint shop, chemical laboratory, machine shop, etc.).
- Regulatory database information also indicates that numerous sites within 0.25 miles of the Property have had releases of substances including hydrocarbons and volatile organic compounds, and groundwater in the area has been impacted. Based on this information, it is possible that impacted groundwater from these sites has migrated beneath the Property.

In summary, the only parcel with **no recognized environmental concerns** is the northern-most of the seven parcels of the Property (940 Pacific Coast Highway, APN 7271-017-900); this parcel is approximately 200 feet north of the other parcels on the north side of the adjacent city block.

The remaining parcels contain one or more areas of environmental concern as shown in Figures 4 and 5, including fill material containing debris from the 1933 earthquake and petroleum-related impacts to soil and/or groundwater from underground fuel storage tanks. Further, historic operations on these parcels have included vehicle and equipment maintenance, paint shop, chemical laboratory, landscaping departments, machine shop, etc. The locations and nature of these operations appears to be transitory, and it is possible that waste oils, various pesticides, oils, paint and solvents have spilled or leaked over the 70 plus years of operation.



In conclusion, SCS has performed a Phase I Environmental Site Assessment of the Long Beach Public Service Yard, located on seven city blocks bounded by West Anaheim to the south, San Francisco Avenue to the east, Pacific Coast Highway to the north, and the Los Angeles River Flood Control Channel to the west, in Long Beach, California, in general conformance with the scope and limitations of ASTM Practice E1527-00. Based on the recognized environmental conditions discussed above, SCS recommends further investigation.



**PHASE I ENVIRONMENTAL ASSESSMENT
LONG BEACH PUBLIC SERVICE YARD
SAN FRANCISCO AVENUE – 7 APNS
LONG BEACH, CALIFORNIA**

INTRODUCTION

SCS Engineers (SCS) was retained by Overland, Pacific & Cutler, Inc., on behalf of the City Attorney of the City of Long Beach, to prepare a Phase I Environmental Assessment of the Long Beach Service Yard which consists of seven Los Angeles County Tax Assessor's parcels (Assessor Parcel Numbers [APNs] 7271-017-900, 7271-016-900, 7271-012-901, 7271-012-900, 7271-011-900, 7271-008-900, and 7271-007-902) located west of San Francisco Avenue between Pacific Coast Highway and Anaheim Street in Long Beach, California (the "Property"). A location map for the Property is presented as Figure 1 (Appendix A). This assessment was performed in general conformance with ASTM E1527-00 guidelines for Environmental Assessment Reports.

PURPOSE

The purpose of this investigation was to identify any recognized environmental conditions as defined in ASTM Standard E1527-00:

“...the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, groundwater, or surface water of the property. The term includes hazardous substances or petroleum products even under conditions in compliance with laws. The term is not intended to include *de minimis* conditions that generally do not present a material risk of harm to public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.”

This assessment is intended to constitute an appropriate inquiry into the previous ownership and uses of the property consistent with good commercial or customary practice, as required by the innocent landowner defense under the Comprehensive Response, Compensation, and Liability Act of 1980 (CERCLA a.k.a. Superfund), the Superfund Amendments and Reauthorization Act of 1986 (SARA), and the Small Business Liability Relief and Brownfields Revitalization Act of 2002. This process satisfies one requirement to qualify for the innocent landowner defense to CERCLA liability.

SCOPE OF WORK

This Phase I Environmental Assessment is based on:



- Field observations were made during Property reconnaissance visits performed on May 24, 2004 and August 10, 2004.
- Review of federal, state, and local regulatory databases. The search distances are those specified by ASTM E1527-00.
- Review of historical Property use information (topographic maps, aerial photographs, Sanborn fire insurance maps, etc.).
- Review of regulatory records at the Los Angeles Regional Water Quality Control Board (RWQCB) and the Long Beach Department of Health and Human Services (DHHS).

SPECIAL TERMS AND CONDITIONS

Property Access

Access to the Property for the site inspection on May 24, 2004 (for APN 7271-007-902) was provided by John Hough, Special Projects Officer for the Environmental Services Bureau of the City of Long Beach.

Access to the Property for the site inspection on August 10, 2004 (for the remaining six parcels) was provided by Greg Keys, Supervisor of the Structural/Anti-Graffiti operations for the City of Long Beach Public Works Department.

Use by Third Parties

This Phase I Environmental Assessment of the Long Beach Public Service Yard located west of San Francisco Avenue and between Pacific Coast Highway and Anaheim Street (APNs 7271-017-900, 7271-016-900, 7271-012-901, 7271-012-900, 7271-011-900, 7271-008-900, and 7271-007-902) in Long Beach, California has been prepared specifically for the City Attorney for the City of Long Beach, in care of Overland, Pacific & Cutler, Inc. The report has been prepared in accordance with the care and skill generally exercised by reputable professionals, under similar circumstances, in this or similar localities. No other warranty, expressed or implied, is made as to the professional opinions presented herein. This report is not a legal opinion.

No other party, known or unknown to SCS, is intended as a beneficiary of this work product, its content or information embedded therein. Third parties use this report at their own risk. Third party reliance letters may be issued on request and upon approval of the City Attorney of the City of Long Beach, and payment of a fee for such letters. SCS assumes no responsibility for the accuracy of information obtained from, compiled or provided by third-party sources such as regulatory agency listings.



LIMITATIONS AND ASSUMPTIONS

The investigation focused on potential sources of hazardous substances or petroleum products that could be considered a recognized environmental condition and/or a liability due to their possible presence in significant concentrations (e.g., above acceptable limits set by the Federal or state government) or due to the potential for contamination migration through exposure pathways (e.g., groundwater). Materials that may contain substances that are not currently deemed hazardous by the federal or state of California EPA were not considered as part of this study.

Unless specifically included in our scope of services, formal surveys for asbestos-containing materials, lead-based paints, fire safety, indoor air quality, mold, and similar matters were not part of this assessment. The Property was not evaluated for compliance with land use, zoning, wetlands, or similar laws. This report is not intended to be an environmental compliance audit.

Hazardous substances naturally occurring in plants, soils, and rocks, (e.g., heavy metals, naturally occurring asbestos, or radon) are not typically considered in these investigations. Similarly, construction debris (e.g., discarded concrete, asphalt) is not considered to be of concern unless observations suggest that hazardous substances are likely to be present in significant concentrations.

Unless otherwise noted, sampling and laboratory analyses of soil, water, air, building materials, or other media, were not performed as part of this investigation. Positive identification of hazardous substances can only be accomplished through sampling and appropriate laboratory analysis.

SCS Engineers assumes no responsibility for the accuracy of information obtained from, compiled by, or provided by third-party sources, such as regulatory agency listings. Unless obviously inaccurate or if information exists to the contrary, SCS Engineers assumes that information collected during this environmental site assessment is accurate and correct. Unless warranted, information collected has not been independently validated as part of this assessment.

GENERAL SITE CHARACTERISTICS

Site Location

The Property is located on seven city blocks bounded by West Anaheim to the south, San Francisco Avenue to the east, Pacific Coast Highway to the north, and the Los Angeles River Flood Control Channel to the west, in Long Beach, California. The six southern-most parcels of the Property are contiguous and include the intervening street rights-of-way which have been incorporated into the Public Service Yard. The northern-most parcel (940 Pacific Coast Highway, APN 7271-017-900) is located on the north side of the adjacent city block, approximately 200 feet north of the other parcels. Assessor's parcel maps of the Property are provided as Figures 2 and 2B of Appendix A. A 1994 aerial photograph of the Property and surrounding area is provided as Figure 3.



General Site Description

The Property consists of seven rectangular Los Angeles County Tax Assessor's parcels that are occupied by 24 buildings, eight storage sheds, a carwash, two clarifiers, a fueling station with underground storage tanks of diesel and gasoline, four gravel bays, two aboveground tar emulsion tanks, and an aboveground propane tank. The area surrounding the structures is paved, and the large open areas are utilized for storage and parking. According to the Los Angeles County Tax Assessor's parcel maps, the Property consists of one northern parcel that is 133.03 feet by 102.48 feet, or approximately 13,633 square feet in area; and six contiguous southern parcels and intervening streets that combined are approximately 2,120 feet by 319 feet, or approximately 676,280 square feet in area. The total approximate area of the Property is 689,913 square feet. Although the intervening streets are not part of the parcels, they are used by the City of Long Beach as part of the Public Service Yard and are thus included in this report.

Description of Adjoining Properties

All of the land surrounding the Property (and across the adjacent streets and Los Angeles River) is a mixture of commercial and industrial uses. The closest residential properties are located approximately 200 feet to the east, across San Francisco Avenue. Sketch maps showing adjacent property use are provided in Appendix B.

ENVIRONMENTAL SETTING

Physiographic Setting

According to the U.S. Geological Survey (USGS), Long Beach (1964, photorevised 1981), California 7.5 minute topographic map, the Property is located immediately east of the Los Angeles River at an elevation of approximately five feet above mean sea level about 1.3 miles north of San Pedro Bay. Regional topography is relatively flat with a gentle slope to the west.

Geology and Soils

Geologic maps indicate that surface sediments in the area are Quaternary alluvium and coastal deposits of silt, sand, and gravel that are underlain by the late Pleistocene Lakewood Formation. The Lakewood Formation, which consists of gravel, sand, sandy silt, silt and clay with shale pebbles, extends to a depth of approximately 100 feet (California DWR, Bulletin No. 104). Sediments below the Lakewood Formation belong to the late Pleistocene San Pedro Formation.

Groundwater

The Property is located in the southern portion of the West Coast Groundwater Basin. The first groundwater aquifer in the region is within the Gage Aquifer within the Lakewood Formation. First groundwater in the vicinity of the Property is approximately 10 feet below grade (DWR,



June 1961). There are no known regional groundwater contamination problems in this area. However, shallow groundwater has locally been impacted by saltwater intrusion; therefore, it is not used as a drinking water source. Groundwater flow direction is anticipated to be generally westerly towards the Los Angeles River/Flood Control Channel adjacent to the Property. Groundwater beneath the Property is likely tidally influenced by the river in this area.

SITE INSPECTION

Inspections of the Property and the surrounding area were conducted by Kevin Green and Tara Holmes of SCS on May 24, 2004, and by Tara Holmes on August 10, 2004. Sketch maps and photographs of the Property taken during the inspections are provided in Appendix B.

A parcel-by-parcel description of the Property, from south to north, is presented in the following narrative.

Assessor's Parcel Number 7271-007-902

The southernmost parcel (APN 7271-007-902) consisted of the abandoned Long Beach City Tow Yard at 901 West Anaheim Street. The lot was largely vacant and was surfaced primarily with asphalt but included several concrete-paved areas. A long narrow single-story building was situated in the southeastern corner of the lot and extended northward along the eastern edge of this parcel. The building appeared to consist of former offices and five former garages/service bays; access to the entire building was not available.

A partial sidewalk, median, and curbs ran in a north-south direction through the western portion of the lot. Their presence, along with a storm-drain located within a curb in the southwest corner indicates that a street was formerly present on the western portion of this parcel.

At least a dozen apparently abandoned vehicles, a non-hydraulic aboveground vehicle lift, four underground storage tanks along the western edge of the parcel, and other debris, were noted during the inspection. Hydrocarbon-stained asphalt and concrete in the central and northeastern areas of this parcel were noted during the site inspection; no impact to the Property is anticipated from this surface staining.

Assessor's Parcel Number 7271-008-900

The parcel between 14th Street and Cowles Street (APN 7271-008-900) was largely paved with asphalt and occupied by two buildings, which function as storage sheds and offices, which were located on the southeastern portion of the parcel. An emergency generator trailer, a work shed, a storage shed, a car wash with a clarifier, a paint equipment cleaning area with a clarifier, a 1,000-gallon above-ground propane tank, a flammable products storage cabinet, and a gasoline/diesel fueling station with two underground storage tanks (USTs) also occupied various portions of the parcel. The undeveloped western portion of the parcel was utilized for storage of traffic posts, city artifacts, roof tiles, and various other construction-related items.



An address of 1409 San Francisco Avenue was observed on the office building farthest to the east.

Assessor's Parcel Number 7271-011-900

The parcel between Cowles Street and 15th Street (APN 7271-011-900) was occupied by eight buildings and a hazardous waste cage. The undeveloped portions of the parcel were occupied by paved parking lots. One of the buildings was an empty office building. Other buildings include one or more of the following uses: carpentry, a locksmith operation, a traffic management warehouse, electrical equipment waste storage, and a paint shop with a spray booth. Two abandoned buildings were formerly utilized for pesticide storage, and a chemical laboratory. No access was provided for the former pesticide storage building.

A fenced and locked hazardous waste storage area containing 55-gallon drums of mineral spirits was located north of the paint shop. The storage area was labeled and the drums were placed on secondary containment platforms.

Assessor's Parcel Number 7271-012-900

The parcel between 15th Street and 16th Street (APN 7271-012-900) was occupied by six buildings that were surrounded by pavement. An address of 1601 San Francisco Avenue was observed on the Administration building. One of the buildings was a vacant storage shed. Other buildings include one or more of the following uses: administration, traffic management operations, traffic management offices, electrical shop offices, computer operations, a telephone room, a plumbing office, an air conditioning office, a custodial office, a meter shop, and traffic paint operations. A storage area for traffic paints was located to the west of the traffic paint building.

Assessor's Parcel Number 7271-012-901

The parcel between 16th Street and 17th Street (APN 7271-012-901) was occupied by five buildings that were surrounded by pavement. Two of the buildings were vacant. Other building uses included a welding office, the Landscape Division offices, a training center, and a welding shop.

Assessor's Parcel Number 7271-016-900

The parcel between 17th Street and Esther Street (APN 7271-016-900) was occupied by four buildings, three storage areas, a hazardous waste storage area, four storage bays for building materials such as gravel and sand, and two aboveground tar emulsion tanks. All of the structures were surrounded by pavement. Building uses included an emergency response office, the 17th Street Pumping Station (for storm water), a Street Division office, and a chain-saw/landscape



equipment repair facility. The storage areas were utilized for Street Division supplies, such as traffic cones and barricades.

The hazardous waste storage area was occupied by five drums that contained clean oil and waste oil. The waste oil drums were stored on secondary containment platforms. Four building materials storage/loading bays were located in the northwestern corner of the lot. South of the building materials bays were two aboveground tar emulsion tanks which were enclosed by a low cinder block wall to provide secondary containment.

Another partial containment area comprised of brick was located south of the emulsion tanks. As indicated by signs for "paint thinner" and "used oil," it would appear that the area was formerly utilized for the storage of these items. No storage of hazardous materials was observed during the inspection.

A pad-mounted Southern California Edison (SCE) transformer surrounded by traffic posts was located north of the 17th Street Pumping Station.

Assessor's Parcel Number 7271-017-900

Assessor's parcel 7271-017-900 was bounded by Pacific Coast Highway to the north, a Goodwill Parking Lot to the east, Ocean Blue Environmental Services to the south, and the Los Angeles River Flood Control Channel to the west. The parcel consisted of an asphalt-paved lot that was occupied by several city work trucks and two piles of asphalt gravel. No structures were located on this parcel.

Hazardous Substances

Several hazardous substances storage areas were located on the Property. Hazardous substances identified during the site inspection included new oil, waste oil, tar emulsion, propane, paint, mineral spirits, unleaded gasoline, diesel gasoline, and various other chemicals stored in small quantities within cabinets designated for flammable materials.

Natural Drainage

Natural waterways are not currently located on the Property. The Los Angeles River Flood Control Channel is located immediately east of the Property. According to Greg Keys of the Public Works Department, the Property accumulates up to three feet of standing water during heavy rain events. Typically, runoff from the Property drains to the surrounding streets then into stormwater drains; however, a pump station was recently installed on the Property to reduce the accumulation of water during heavy rain events.

Disturbed Areas

No obvious signs of disturbed areas were noted on the Property.



Elevators and Other Hydraulic Equipment

No elevators or other hydraulic equipment were observed on the Property. A non-hydraulic lift was observed on the southern-most parcel (7271-007-902) to the north of the former garage bays.

Wells

No water supply or monitoring wells were observed on the Property.

Electrical Equipment

One Southern California Edison (SCE) pad-mounted transformer was present on the Property to the north of the 17th Street Pumping Station (APN 7271-016-900). Per Greg Keys of the Public Works Department, the transformer was installed at the same time as the pump station, which was reportedly built approximately four years ago. Sixteen pole-mounted SCE electrical transformers were also observed adjacent to the Property, in various locations along the east side of San Francisco Avenue.

SCE has stated that they have never specified the purchase of distribution transformers utilizing PCBs as the insulating/cooling fluid. SCE transformers utilize mineral oil exclusively. In a statistically valid test of over 20,000 SCE distribution transformers, SCE determined that the concentrations of PCBs in the mineral oils was less than 50 parts per million (ppm) in over 96 percent of the units. SCE is responsible for the operation of the transformers, and the investigation and cleanup of any spills or leaks. No signs of leaks from the transformers were observed. Based on available information, no significant environmental impact to the Property is anticipated from these transformers.

Wastewater

Domestic sanitary sewage generated on the Property, if any, would be discharged to the city sewer system. There appear to be industrial wastewater discharges from the two clarifiers associated with the vehicle wash and paint shop areas.

Drinking Water

Drinking water is supplied to the Property by the City of Long Beach. All large public water suppliers in California have been required to test their water and comply with federal and state drinking water standards since the mid-1980s. Consequently, lead and other contaminants of concern are not expected to be present in the drinking water supply above applicable primary and secondary drinking water standards.



Storage Tanks

Four underground storage tanks and associated dispensers were stored, aboveground, near the southwestern corner of the Property (APN 7271-012-902). During the site visit on May 24, 2004, Mr. Roberto Uranga, superintendent of towing and lien sale indicated that the aboveground tanks were likely from another city facility, and were not used on the Property.

One aboveground 1,000-gallon propane tank was present on the parcel (APN 7271-008-900) bounded by 14th Street to the south and Cowles Street to the north. Two underground storage tanks were also present on this parcel at the fleet fueling station. As discussed below, Long Beach Fire Department records indicated that these are each 12,000-gallon tanks – one gasoline and one diesel.

Two aboveground tar emulsion tanks are also located at 1725 San Francisco Avenue (APN 7271-016-900). These tanks are surrounded by a secondary containment structure of cinder block.

Asbestos-Containing Building Materials (ACBMs)

In general, buildings constructed before 1985 have a high potential for ACBMs. The manufacture of most ACBMs (except roofing tars/mastics) ended in the late 1970s. However, existing inventories of products could still be used. In addition, roofing tars and mastics can still contain asbestos. Thus, ACBMs can be present in building materials regardless of age or date of construction (for example, in roofing felt, vinyl flooring, dry wall mud, etc.). Without sampling and analysis, it is not possible to definitely identify ACBMs.

Based on known or likely construction dates for structures on the Property (discussed later in this report), it is likely that ACBMs are present in at least some of structures.

Lead-Based Paint

Lead-based paint (LBP) has been used on structures since the late 1800s. LBP use peaked in the 1920s and gradually fell off until its ban. About 3 of 4 houses built before 1980 contain LBP. In 1973, the Consumer Product Safety Commission (CPSC) established a maximum lead content in paint of 0.5 percent by weight (or 1.0 mg/cm²) in a dry film of newly applied paint. In 1978, the CPSC lowered the allowable lead level in paint to 0.06 percent. The use of LBP was not prohibited until 1980. The presence of LBP cannot be determined without testing.

According to historical information, at least some city-utilized structures existed on the Property as early as 1926. Although the construction dates of all of the current structures on the Property are not known, it is possible and perhaps likely that lead-based paint is present on some structures.



Adjoining Site Observations

Businesses observed on adjoining sites during the site inspection included: Long Beach Garage Door Co., Hydraulic and Automation Controls Co., The Food Bank of Southern California (and associated parking lot), 7-Strand, Ready Storage, BCIA Precision Casting, Graybar Distributor of Electrical and Comm/Data Products, Long Beach Seafood Co. Wholesale Outlet, Mylo's Custom Auto Body, Tacoma Express Inc., Truck Parking, Riley Marine Products, Goodwill (and associated parking lots), and Ocean Blue Environmental Services.

No recognized environmental conditions (e.g., USTs, monitoring wells, remediation systems, etc.) were identified on any of the adjoining sites during the site inspection.

SITE HISTORY

Site history was evaluated from the following sources:

- U.S. Geological Survey (USGS), Long Beach, California 7.5 minute topographic series map (1964, photorevised 1981).
- Historical aerial photographs dating from 1953, 1958, 1963, 1972, 1989, and 1997, from the Rupp Aerial Photography Collection.
- City of Long Beach Department of Building and Safety building permit information.
- City of Long Beach Fire Department.
- Los Angeles County Tax Assessor.
- Sanborn Fire Insurance maps from the years 1949 and 1963 obtained from the EDR-Sanborn collection.
- City directories from in-house resources were reviewed for the years 1926, 1929, 1932, 1940, 1943-44, 1945, 1948, 1953, 1958, 1963, 1964, 1965, and 1968.

Topographic Maps

The Property and surrounding area are depicted as an area of urban development. No structures are shown on the Property. The closest landmark building is Seaside Memorial Hospital approximately 0.03 miles east of the Property.

Aerial Photographs

In all of the aerial photographs (1953 through 1997) the Property appeared to be occupied by 20 to 30 buildings used for commercial or industrial purposes. The remainder of the Property



appeared to be either vacant or paved. The areas to the east and south appeared to be occupied by a mixture of commercial/industrial buildings and vacant lots. The area to the north (across Pacific Coast Highway) appeared to be primarily residential, and the area to the west was occupied by the Los Angeles River Flood Control Channel.

Copies of aerial photographs are included in Appendix C.

County Tax Assessor

The Los Angeles County tax assessor's website did not provide useful information regarding addresses, year of construction of any improvements, or the use of parcels on the Property.

Sanborn Fire-Insurance Maps

A summary of the uses of the Property and surrounding area as depicted on the 1949 map is as follows:

APN	Depicted Address(es)	No. of Buildings	Year of Map	Use/Comments
7271-007-902	909-935 West Anaheim 1301-1327 San Francisco	6-10	1949	Most buildings appeared to be associated with Fickling Lumber Company. A dog and cat hospital and kennel occupied the southeastern corner of the Property.
7271-008-900	901-935 14 th Street 1401-1445 San Francisco	13	1949	Buildings included warehouses and other small structures that were identified as part of the Long Beach Public Service and Recreation Departments.
7271-011-900	926 15 th Street 1451-1485 San Francisco	11	1949	Buildings were identified as a lab, storage facility, a repair shop, a kennel, gas chambers, a hutch, and an office. All buildings were associated with the Long Beach City Yard.
7271-012-900	925 15 th Street 916 16 th Street	None	1949	Vacant
7271-012-901	921-925 16 th Street 1607-1649	8	1949	Buildings were depicted as: offices, cement and car storage, and general storage. A large structure identified as a

APN	Depicted Address(es)	No. of Buildings	Year of Map	Use/Comments
	San Francisco			sump/storm drain was located on the southern portion of the parcel. All buildings were associated with the Long Beach City Yard.
7271-016-900	926 West Esther 1781 San Francisco	7	1949	Buildings were depicted as: an office, a lantern shop, and garages. All buildings were associated with the Long Beach City Yard.
7271-017-900	940 West Pacific Coast Highway	1	1949	A single apparently residential structure with 34 rooms was depicted.

The adjacent properties to the east, across San Francisco Avenue, included: truck parking, vacant lots, Adhor Milk Farms, truck services, an office, plumbing supplies, a machine shop, and tourist court units. The area to the south, across West Anaheim, appeared to be occupied by a plumbing supply company and a vacant building. An auto court and dwellings occupied the area to the north across Pacific Coast Highway. The Los Angeles River Flood Control Channel occupied the area to the west.

The address ranges for the Property were depicted as 909 through 935 West Anaheim (odd numbers), 1301 through 1781 San Francisco Avenue (odd numbers), and 901-935 14th Street, Cowles Street, 15th Street, 16th Street, 17th Street, and Esther Street (all numbers), and 940 West Pacific Coast Highway.

A summary of the uses of the Property and surrounding area as depicted on the 1963 map is as follows:

APN	Depicted Address(es)	No. of Buildings	Year of Map	Use/Comments
7271-007-902	1301 San Francisco	4	1963	Buildings were associated with A.E. Fickling Lumber Company. Buildings were depicted as: lumber storage, a mill, and building supplies. De Forest Avenue ran north-south through the western portion of the lot.
7271-008-900	901-935 14 th Street	12	1963	Buildings were depicted as: a paint shop, storage, a parking meter department, electrical,



APN	Depicted Address(es)	No. of Buildings	Year of Map	Use/Comments
	1445-1455 San Francisco			woodworking & plumbing, a saw shed, paint storage, and surveyors' equipment. All structures were part of the Long Beach Public Service Department.
7271-011-900	926 15 th Street 1451-1485 San Francisco	12	1963	Buildings were depicted as: a lab, storage facilities, a repair shop, a paint shop with a metal spray booth, and offices. All buildings were associated with the Long Beach City Yard.
7271-012-900	925 15 th Street	3	1963	Buildings were depicted as: offices, a sign shop, a paint shop, and car storage. All buildings were associated with the Long Beach City Yard.
7271-012-901	925 16 th Street 1607 San Francisco	10	1963	Buildings were depicted as: "autos and storage," general storage, and a sump/storm drain. All buildings were associated with the Long Beach City Yard.
7271-016-900	926 West Esther	6	1963	Buildings were depicted as: an office, tool and cement storage, a lantern shop, and a rock bunker. All buildings were associated with the Long Beach City Yard. A notation indicated "Gas and Oil in Yard".
7271-017-900	940 West Pacific Coast Highway	1	1963	Building depicted as the Southern Motel Inn

The adjacent properties to the east, across San Francisco Avenue, included: truck parking, vacant lots, a liquor market, a trucking company, a food facility, a meat refrigeration site, offices, truck services, plumbing supplies, a machine shop, and tourist court units. The area to the south, across West Anaheim, appeared to be occupied by an electric appliance warehouse. The area to the north, across West Pacific Coast Highway was occupied by dwellings. The area to the west was occupied by the Los Angeles River Flood Control Channel.



The address ranges for the Property were depicted as 901 through 935 West Anaheim (odd numbers), 1301 through 1607 San Francisco Avenue (odd numbers), and 901-935 14th Street, Cowles Street, 15th Street, 16th Street, 17th Street, and Esther Street (all numbers), and 940 West Pacific Coast Highway.

Copies of the Sanborn Maps are included in Appendix C.

City Directories

In-house copies of Long Beach City Directories for the Property address range of 1301 through 1799 San Francisco Avenue [odd]; 901 through 935 West Anaheim [odd]; 900 through 1000 Pacific Coast Highway [even]; and 900 through 1000 West 14th Street, West Cowles Street, West 15th Street, West 16th Street, West 17th Street, and West Esther [all], were reviewed for the years 1926 through 1968. Directories for the Property were primarily comprised of residential and commercial listings (e.g. a refrigerator shop, a motel, a building materials corporation etc.). The following entries for the Property were the only listings of environmental concern:

Year	Address	Listing
1926	1317 San Francisco	Superior Laundry
1926	1401 San Francisco	Municipal Garage
1929	1401 San Francisco	Municipal Garage
1932	1401 San Francisco	City Garage
1940	1475 San Francisco	City Chemist and Testing Engineer
1943-44	929 West Anaheim	Fickling A.E. Lbr Co.
1943-44	1475 San Francisco	City Chemist and Testing Engineer
1945	1475 San Francisco	City Chemical and Test Lab
1945	1751 San Francisco	B & A Machine Shop
1948	1317 San Francisco Avenue	LB Janitor Shop
1948	1475 San Francisco	City Chemical and Test Lab
1948	1751 San Francisco	B & A Machine Shop
1948	815 17 th Street	Lieberman WH printer (btwn SF and Pico)
1953	929 West Anaheim	Fickling A.E. Lbr Co.
1953	1475 San Francisco	City Chemical and Test Lab
1943	1751 San Francisco	B & A Machine Shop
1958	1475 San Francisco	City Chemical and Test Lab
1958	1751 San Francisco	B & A Machine Shop
1958	929 West Anaheim	Fickling Lbr Co. Inc.
1963	929 West Anaheim	Fickling Lbr Co. Inc.; Amundsen Delman
1963	1475 San Francisco	City Chemical and Test Lab
1964	1475 San Francisco	City Chemical and Test Lab
1965	1475 San Francisco	City Chemical and Test Lab
1968	1475 San Francisco	City Chemical and Test Lab
1968	929 West Anaheim	Fickling Lbr Co. Inc. Ret

An item of potential environmental concern is the presence of a “laundry” or possible clothes cleaning operation in 1926 at 1317 San Francisco Avenue; this business is not shown on the Property in 1929. It is not possible to determine if the “laundry” was conducting typical laundry or dry cleaning operations. In the early Twentieth Century, gasoline was the main dry cleaning fluid in the U.S. By 1928, the U.S. Department of Commerce had issued a standard for the use of Stoddard solvent (a petroleum distillate) for dry cleaning. As late as 1955, Stoddard solvent (a petroleum distillate) use still dominated the industry. The use of PCE as a dry cleaning fluid began in the U.S. in about 1934, primarily to replace the carbon tetrachloride that had been the principal competitor to Stoddard solvent. Therefore, any dry cleaning operation in the 1920s would very likely have used a petroleum-based solvent (gasoline or Stoddard), and dry cleaning operations using petroleum products were, in SCS’s experience, unlikely to have resulted in any significant environmental impact to the parcels they occupied. In summary, the presence of a “laundry” or possible dry cleaning operation in 1926 does not represent an environmental concern for the Property.

Possible mismanagement of waste oils, solvents, and various chemicals from other former Property uses listed above, including a municipal/city garage, a chemical/testing laboratory, and a machine shop, may pose an environmental concern for the Property.

Additionally, it should be noted that a listing for “City Tow Service and Garage Inc.” was observed in the 1968 city directories for 1630 San Francisco Avenue, which is not part of the Property. Another listing in the 1968 city directory for the “City Public Service Department” was observed for the address of 1601 San Francisco, which is part of the Property. Since the city directory coverage (if any) past 1968 was not reviewed by SCS, the number of years that the City Tow facility operated at the off-site address of 1630 San Francisco is unknown. These listings indicate that both of these addresses were concurrently used by the city.

Long Beach Department of Building and Safety

Building permits for the known and estimated Property address ranges of 1301 through 1799 San Francisco Avenue [odd]; 901 through 935 West Anaheim [odd]; 900 through 1000 Pacific Coast Highway [even]; and 900 through 1000 West 14th Street, West Cowles Street, West 15th Street, West 16th Street, West 17th Street, and West Esther [all], were reviewed with the City of Long Beach Department of Building and Safety. The following permits for the Property were identified:

Permit Date	Address	Owner	Comments
10/17/29	901 West 14 th Street	City of Long Beach	Use: Storage Shed
7/31/29	901 West 14 th Street	City of Long Beach	Use: Municipal Garage
11/18/32	901 West 14 th Street	City of Long Beach	Use: Carpenter Shop and Store Room
5/25/39	1449 San Francisco	City of Long Beach	Use: Bunkers and Truck shed

Permit Date	Address	Owner	Comments
11/16/36	960 West 14 th Street	A.E. Fickling.	Lumber Storage
4/28/39	940 West Pacific Coast Highway	A.L. Eaton	Use: Hotel and Cafe
7/29/41	1643 San Francisco	City of Long Beach	Proposed use: Warehouse
11/23/43	940 West Pacific Coast Highway	Happy Cooper	Present use: Vacant
8/28/45	940 West Pacific Coast Highway	Happy Cooper	Use: Motel
10/5/48	940 West Pacific Coast Highway	M.C. Hall	Use: Motor court rooms
6/16/50	1601 San Francisco	City of Long Beach	Proposed use: Administration Building
6/16/50	1601 San Francisco	City of Long Beach	Proposed use: Vehicle storage and repair
10/2/51	929 West Anaheim	A.E. Fickling	Adding room to office
11/14/51	929 West Anaheim	A.E. Fickling	Add sanding to mill bldg
1/3/52	929 West Anaheim	A.E. Fickling	Lumber storage
5/23/52	1601 San Francisco	City of Long Beach	Use: Paint shop and vehicle shed
8/4/52	929 West Anaheim	Fickling Lumber Co.	Use: Mill building
9/2/53	929 West Anaheim	A. Fickling	Use: Lumber Storage
9/2/53	929 West Anaheim	A. Fickling	Use: Lumber office
5/28/68	1645 San Fernando	City of Long Beach	New storm drain pump station
2/10/69	1601 San Francisco	City of Long Beach	Proposed use: Sign shop
12/28/81	929 West Anaheim	City of Long Beach	Demolish wood shed
7/27/82	901 West Anaheim	City of Long Beach	Constr new office & 10 garages - Permit stamped VOID
2/9/83	1317 San Francisco	City of Long Beach	Change address to 901 West Anaheim
3/8/84	901 West Anaheim	City of Long Beach	Demo existing bldg - Permit stamped VOID
7/6/88	7125 San Francisco	City of Long Beach	Removal of one 500-gallon capacity kerosene UST and soil sample collection.
9/10/90	940 West Pacific Coast Highway	Patel, Balubhai	Demo hotel building to ground level.
5/28/84	940 West Pacific Coast Highway	Cuandulal & Babuhai, Patel	Use: Motel



Permit Date	Address	Owner	Comments
2/10/95	1601 San Francisco	L.B. Pub Serv	Conv storage bldg into traffic signal office

Uses of the Property including a municipal garage, vehicle repair, a paint shop, and the former presence of an underground kerosene tank, may pose an environmental concern for the Property.

City of Long Beach Fire Department

The 2003 City of Long Beach Fire Department (LBFD) Underground Storage Tank (UST) database was reviewed for the address ranges of the Property 1301 through 1799 San Francisco Avenue [odd]; 901 through 935 West Anaheim [odd]; 900 through 1000 Pacific Coast Highway [even]; and 900 through 1000 West 14th Street, West Cowles Street, West 15th Street, West 16th Street, West 17th Street, and West Esther [all], as part of this assessment. The database contains addresses where USTs were located and has notes regarding their status. The following listings were identified:

- **929 West Anaheim** - A listing for the address of 929 West Anaheim indicated that on September 7, 1945 Fickling Lumber removed a 280-gallon capacity UST and installed a 550-gallon capacity UST. Another listing for the same address indicated that a 550-gallon capacity diesel UST was removed in August of 1995. This latter listing indicated that the permit was pulled under the address of 901 West Anaheim and stated "see 1630 San Francisco," which indicates that information for that UST was filed under the San Francisco address.
- **1630 San Francisco Avenue** - Although this address is across the street from the present Public Service Yard and not a part of the Property, based on SCS's review of city directories and building permits, it appears the city tow yard operated at and used the mailing address of 1630 San Francisco Avenue from at least 1965 through 1984. LBFD records also indicate that USTs were located on this site. To evaluate whether "city tow" UST records associated with this site were commingled with those of the "city tow" yard on the Property, SCS conducted a review of information for this address. The database listing for 1630 San Francisco indicates that two USTs were removed in 1975 and two more were removed in 1984; there is no information regarding the removal of a 550-gallon tank from 929 West Anaheim in 1995 as discussed above.
- **1725 San Francisco Avenue** - A listing for the address of 1725 San Francisco Avenue indicated that three tanks were removed in January of 1999. Two of the tanks reportedly had a 10,000-gallon capacity, and were used for gas and diesel, and the third tank reportedly had a 1,000-gallon capacity and had never been used. A database note from March of 1999 indicated that the site was deemed "clean" by the Long Beach Health Department.



A document search was conducted at the City of Long Beach Fire Department for the address ranges of 1301 through 1799 San Francisco Avenue [odd]; 901 through 935 West Anaheim [odd]; 900 through 1000 Pacific Coast Highway [even]; and 900 through 1000 West 14th Street, West Cowles Street, West 15th Street, West 16th Street, West 17th Street, and West Esther [all].

It should be noted that SCS also reviewed records related to USTs for the historic city tow yard at 1630 San Francisco Avenue for any information relevant to this assessment. Although numerous UST-related records were reviewed, all of the information appears to be related to the use and replacement of USTs at this location (across the San Francisco Avenue from the Property); none of the information appears to be related to the Property.

Copies of relevant documents are provided in Appendix E. A summary of the findings for the Property from these documents is as follows:

Current USTs --

Permits from 1998 indicate that Foss Environmental installed two 12,000-gallon underground fuel storage tanks, one gasoline and one diesel. These USTs are located on the 1400 block of San Francisco Avenue, between 14th Street and Cowles Street. These tanks were observed during the site inspection at the fleet fueling station on the Property.

Historic USTs --

Long Beach Fire Department files contained abundant information regarding the storage of hazardous materials including current and historic USTs, aboveground storage tanks (ASTs) and miscellaneous flammable and combustible materials. Specific records related to these USTs are discussed below. A summary of this information is provided in the Historical Use Summary section of this report.

Two 10,000-gallon Gasoline and Diesel USTs at 1725 San Francisco Avenue --

Information on these USTs is provided in the following documents:

McLaren Hart, UST Removal Report dated January 26, 1999 – This report relates to the removal of two 10,000-gallon fuel tanks (one unleaded and one diesel) and one 1,000-gallon unused tank. Since the 1,000-gallon tank was reportedly never used, no soil sampling was conducted. This 1,000-gallon unused tank was shown as being located 682 feet south of Esther Street and 10 feet east of the western property line; this is in the area of 16th Street on the Property.

A map indicates the two 10,000-gallon USTs were located 135 feet south of Esther Street (APN 7271-016-900). Soil samples were collected and analyzed from beneath the two 10,000-gallon USTs, along the diesel product line and beneath the gas and diesel dispensers; and two samples were taken from the spoils piles. One of the samples from beneath the diesel UST and both of



the samples from beneath the dispensers contained elevated concentrations of gasoline and diesel fuel constituents (e.g., up to 11,400 mg/kg [milligrams per kilogram, equivalent to parts per million or ppm]) of diesel-range hydrocarbons).

McLaren Hart, Additional Sampling Results Report dated February 1, 1999 – This report indicates that excavation and confirmation sampling was conducted in the three areas where elevated concentrations of petroleum hydrocarbons were detected during the removal of the 10,000-gallon USTs (discussed above). Approximately 31 cubic yards (cy) of impacted soil was removed from the west end of the diesel UST excavation to a depth of 18 feet below grade, and 21 cy of impacted soil was removed from beneath the dispensers to a depth of 6 feet below grade. Confirmation samples collected from the excavations did not contain detectable concentrations of gasoline- or diesel-range hydrocarbons; MTBE was the only fuel-related volatile organic compound detected (at 32 ug/kg [micrograms per kilogram], equivalent to parts per billion or ppb).

Long Beach/Signal Hill Joint Powers Agency "No Further Action" Letter dated March 25, 1999 – This letter indicates that "no further action" was required for four tanks: two 10,000-gallon, one 1,000-gallon, and one 500-gallon storage tank. The two 10,000- and one 1,000-gallon USTs appear to be related to those identified in the McLaren Hart reports discussed above. The 500-gallon UST was not included in the McLaren Hart reports; further information regarding a 500-gallon UST is provided below.

UST Testing And Certification Document dated September 6, 1995 – This document indicates that two 10,000-gallon tanks, located at 1725 San Francisco Avenue, were tested for releases and "passed" with respect to leak detection.

UST Permit Application (Forms A and B) dated January 5, 1999 – These permits indicated that five tanks were present on the Property. Two of the "USTs" were not identified; the other three USTs were identified on the Form B permits as:

- 10,000-gallon regular unleaded UST installed in 1966
- 10,000-gallon diesel UST installed on November 5, 1959
- 1,000-gallon never used UST installed on July 19, 1988; with a note indicating that this UST was "originally meant for solvent."

According to the permits, the tanks are associated with the City of Long Beach Public Service Maintenance Yard and were located at 1725 San Francisco Avenue. An address of 1601 San Francisco is listed on the Form A permit under "facility/site information and address." This indicates that a separate mailing address of 1601 San Francisco Avenue was being used for the Maintenance Yard at that time.

Fire Prevention Plan Worksheet dated January 6, 1999 – This document indicated that Foss Environmental removed three tanks from 1725 San Francisco Avenue. The sizes of the tanks



were not indicated; however, based on available information, it would appear that these three tanks are those discussed in the above-mentioned reports from McLaren Hart.

1,000-gallon Unused Kerosene/Solvent UST --

As discussed above, one of the USTs removed by Foss Environmental and McLaren Hart in 1999 was a 1,000-gallon "unused" tank. A "New Tank Installation" form dating from 1988 for 1725 San Francisco indicates that a 1,000-gallon kerosene tank was to be installed. A Plot Plan (not accompanied by any permit) showed a 1,000-gallon "solvent" UST at 1725 San Francisco Avenue; however, no date was indicated on the plan and buildings depicted on the map did not correspond to current building configurations, so the location of the tank could not be determined.

However, as previously discussed, this UST was apparently removed by Foss Environmental and McLaren Hart. Since the UST was reportedly never used, no soil sampling was conducted. This UST was located 682 feet south of Esther Street and 10 feet east of the western property line, in the area of 16th Street. As discussed above, the Long Beach/Signal Hill Joint Powers Agency's "No Further Action" letter, dated March 25, 1999, included a 1,000-gallon capacity UST. Based on available information, it would appear that these documents all apply to the same UST.

500-gallon Kerosene UST --

A Bureau of Fire Prevention inspection notice, dated July 6, 1988, indicated the removal of one 500-gallon kerosene UST at 1725 San Francisco Avenue, for the "San Francisco Yard (City of Long Beach)." The notice indicated that one soil sample should be collected at a depth of three to five feet beneath the tank.

Additional information regarding this tank was identified in the records of the Long Beach Department of Health and Human Services (DHHS) and Los Angeles Regional Water Quality Control Board (RWQCB) files, as discussed later in this report.

550-gallon Gasoline UST --

An "UST Unauthorized Release (Leak)/Contamination Site Report" dated May 29, 1996 indicated that on August 30, 1995 it was discovered that an unknown quantity of gasoline leaked from a 30-plus year old 550-gallon UST at 901 West Anaheim Street. This address corresponds with the southern portion of the Property, formerly occupied by the City Tow Yard. The report indicated that the City of Long Beach purchased the land, found and removed the tank, and subsequently discovered the tank leak.

Additional information regarding this tank was identified in DHHS and RWQCB files, as discussed later in this report.



Motor Oil UST --

An UST Unauthorized Release (Leak)/Contamination Site Report dated August 4, 1995 indicated that 110 gallons of new motor oil was released due to a piping leak that occurred at 1725 San Francisco Avenue. The report indicated that preliminary assessment was underway; no further documentation regarding this release was identified by SCS. Since 1725 San Francisco was used as a mailing address for the City Service Yard, the actual location of this "unauthorized release" is unknown.

10,000-gallon Diesel UST --

A "Flammable Liquids Permit," issued on January 10, 1969, for the Public Service Yard at 1725 San Francisco Street, indicated that a 10,000-gallon diesel UST was to be installed on the Property. The permit also indicated that including this tank; there were a total of two tanks (with 20,000-gallons of capacity) and one pump at this address. Another permit application for a 10,000-gallon diesel fuel UST, for the City Public Service Yard at 1725 San Francisco Avenue, was approved on March 29, 1976; this permit may have been related to an existing UST. No further information was found regarding the location or disposition of these tanks. Either or both of these records may be related to the diesel UST removed by McLaren Hart in 1999.

However, there is a discrepancy with regarding to installation date. The 10,000-gallon UST removed by McLaren Hart in 1999 was reportedly installed in November 1959.

Gasoline UST --

A sketch map dated September 20, 1979 was identified with the address of 1601 San Francisco Avenue. Notes on the map indicated that this was a City of Long Beach project related to the installation of vapor recovery line for an existing gasoline tank. No further information related to this tank was identified. No details were present on the map to indicate the size or location of the tank. This record may be related to the 550-gallon gasoline UST at 901 Anaheim, or the 10,000-gallon unleaded gasoline located at 1725 San Francisco, reportedly installed in 1966 and removed in January 1999.

Miscellaneous UST Records --

A letter from the Department of Health and Human Services, dated October 18, 1995, indicated that they had received tank closure information that indicated a discharge of hazardous material at 901 West Anaheim Street, with a request for a "Site California Permit and an Initial Site Characterization Report." A subsequent letter from the Long Beach/Signal Hill Joint Powers Agency, dated April 2001, indicated that groundwater contamination was present with respect to the address of 901 West Anaheim Street. Additional information regarding the "901 Anaheim" tank was identified in DHHS and RWQCB files, as discussed later in this report.



Aboveground Hazardous Materials Storage --

Aboveground Tar Emulsion Tanks --

An application to remove or abandon storage tanks, dated January 1990, indicated that two aboveground tanks were removed from 1601 San Francisco Avenue by Atlas Allied Inc. According to an attached Plot Plan, the tanks that were removed were similar to the tar emulsion tanks that are currently present on the Property. Furthermore, the tanks appeared to be located in the same area, between Esther Street and 17th Street, along the western border of the Property. Based on available information, it would appear that two tar emulsion tanks were removed in 1990 and replaced by two new tar emulsion tanks. No significant environmental impact to the Property is anticipated from these tanks.

Flammable and Combustible Liquids --

City of Long Beach Fire Department documents indicated that various other flammable and combustible materials, including "solvent," xylenes, lacquer thinner, and propane were "stored, handled, used, or sold" on the Property at 1610 San Francisco Avenue.

File Reviews at the Los Angeles RWQCB and Long Beach DHHS

Reviews of files at the Long Beach Department of Health and Human Services (DHHS) and Los Angeles Regional Water Quality Control Board (RWQCB) were conducted on November 23 and December 2, 2004, respectively. Copies of relevant information obtained from the file reviews are provided in Appendix E. A summary of relevant environmental information obtained from these file reviews is presented below:

- A DHHS "Haz Waste Worksheet" dated November 11, 1987, indicates that 1,1,1-TCA contaminated with asphalt was stored in 55-gallon drums in the area of the Engineering Laboratory at 1475 San Francisco Avenue. Other documents from November and December 1987 for the Physical and Chemical Testing Lab (1475 San Francisco Avenue) indicate that four 55-gallon drums of 1,1,1-TCA are disposed of annually.
- On July 6, 1988 a 500-gallon kerosene UST was removed by Marine Contractors from a location shown as the southwest corner of San Francisco Avenue and Esther Street (1725 San Francisco Avenue), within or beneath Street Division Storage Building. One undertank sample was analyzed for total recoverable petroleum hydrocarbons (TRPH) using EPA Method 418.1; the lab result for this sample was reported as 16,000 ug/g (micrograms per gram, equivalent to parts per million). Notes in the file indicated that the assessment of this area was to be completed at the same time as two existing USTs were removed on the same parcel (northernmost of the 6 contiguous lots). A note dated March 25, 1999 on the City of Long Beach Environmental Health Underground Tank Program Tracking System summary states:



“Based on present closure guidance for low risk fuel contamination site fact sheet issued by the California Regional WQCB, Los Angeles Region, this site is low risk therefore no further action is required.”

Based on this information, no remediation of impacted soils was conducted.

- DHHS records indicate that crushing of mercury and sodium street lights in a dumpster was conducted at the Street Lighting Division (1601 San Francisco Avenue); a water spray used to control dust caused water runoff from the dumpster. It is possible that mercury and other metals incorporated into the runoff have impacted the area.
- Regulatory records indicate that a 550-gallon gasoline UST at “901 Anaheim” was actually located in the 14th Street right-of-way 146 feet west of San Francisco Avenue and immediately north of the Tow Yard at 901 Anaheim. This UST was removed by Maness Environmental on August 30, 1995. Two soil samples were collected and analyzed during the UST removal. Sample 1C-8 (presumably 8 ft bgs) contained 7,500 mg/kg of total petroleum hydrocarbons (TPH using EPA Method 8015M) and benzene, toluene, ethylbenzene and xylene (BTEX) concentrations of 22, 17, 98 and 470 mg/kg, respectively. Sample SP-1 (stockpile) did not contain detectable concentrations of TPH, but did contain 0.013 mg/kg of xylenes.

Subsequently, EPICS International conducted an investigation that resulted in a report dated January 31, 1996. Six borings were drilled to groundwater at about 8 to 8.5 feet below grade. Soil and/or groundwater samples from each boring indicated that soils and groundwater were impacted at least 20 to 30 feet from the UST location to the north, south and east. Soils were impacted with TPH as gasoline (TPHg) at concentrations as high as 5,500 mg/kg, benzene to 27 mg/kg, toluene to 48 mg/kg, ethylbenzene to 110 mg/kg, and xylenes to 540 mg/kg. Grab samples of groundwater were impacted with TPHg up to 3,400 mg/L, TPHd up to 600 mg/L, benzene up to 18.8 mg/L, toluene to 42.4 mg/L, ethylbenzene to 108 mg/L, and xylenes to 703 mg/L. From this data, it is likely that free product is present floating on the groundwater. None of the samples were analyzed for fuel oxygenates such as MTBE.

In a letter dated April 2, 2001, DHHS referred this case to the RWQCB. The Reynolds Group (TRG) prepared a workplan dated November 15, 2001 which was submitted to the RWQCB. The TRG Workplan was approved by the RWQCB in a letter dated February 19, 2002. No other information regarding this site was available in regulatory files.

- DHHS records included documents and references related to the use and storage of hazardous wastes such as paints, solvents, 55-gallon drums, etc. Where these areas could be identified, they have been included on Figures 4 and 5 of Appendix A.

- Permits for two groundwater monitoring wells for Los Angeles County and one well for Long Beach Public Works were identified for the Property or immediately surrounding area in 1994 and 1995. The status of these wells is unknown.

Interviews with Knowledgeable Personnel

SCS contacted Larry McNerny, a Supervisor with the City of Long Beach Towing Yard, regarding historical Property use. Mr. McNerny indicated that he first worked at the tow yard in 1982, soon after the city acquired the southern portion of the Property from a lumber mill and developed the tow yard. The city tow yard was in operation until 1999, and has been used for equipment and vehicle storage since then. Tow yard operations included vehicle maintenance and an impound yard. The only UST that Mr. McNerny was aware of is reportedly located immediately north of the Tow Yard (APN 7271-007-902). This appears to be the "901 Anaheim" UST discussed above. Mr. McNerny stated that the tow yard never used this UST, and that he was unaware of the size or contents of the UST.

During the site inspection on May 24, 2004, Mr. Hough commented that the western portion of the city's Public Service Yard (along the Los Angeles River) is higher in elevation and that this is due to the burial of 1933 earthquake debris.

During the site inspection on August 10, 2004, Mr. Greg Keys, Supervisor for the Structural/Anti-Graffiti operations at the Public Service Yard, indicated that the only underground tanks he had knowledge of during his approximately 20 years of working on the Property were the two fuel tanks currently located on the Property at the fleet fueling station (APN 7271-008-900) and two fueling tanks that were removed from the northern portion of the Property (APN 7271-016-900) by McLaren Hart in 1999.

During the site visit Mr. Keys also provided information pertaining to the clarifiers on the Property. According to Mr. Keys, the clarifiers are three-stage clarifiers and are used to clarify run-off water from vehicle cleaning and paint equipment cleaning. Uniform hazardous waste manifests (dated July 6, 2004) from the service company, Patriot Environmental, which were produced by Mr. Keys, indicated the removal of "mixed paints and thinners – waste paint related materials" and "non-RCRA hazardous waste liquid – clarifier waste/sludge." Copies of the manifests are provided in Appendix C.

Historical Use Summary

Historical information indicates that portions of the Property were initially developed for commercial use as early as 1926, and have been used for commercial or industrial purposes since that time. Superior Laundry was identified in city directories on the Property in 1926. A veterinarian and kennels occupied a portion of the Property from at least 1929 through 1948. Lumber and building material companies (Fickling and Blue Diamond) occupied part of the Property from at least 1932 until the early 1980s, when records indicate that a portion of the Property was redeveloped with the City of Long Beach Tow Yard. The city tow yard was in



operation until 1999; and that portion of the Property has been used for equipment and vehicle storage since that time. At least a portion of the Property appears to have been utilized by the City of Long Beach, as a “municipal garage,” since as early as 1926. Various other city operations, such as a chemical laboratory and a machine shop have existed on the Property from as early as 1940 to present. The southwestern portion of the Property was occupied by De Forest Avenue in 1963 and possibly as early as 1953 or earlier. City Tow Yard personnel indicated that the western portion of the Property, somewhat elevated with respect to the rest of the Property, is likely fill material, which may contain debris from the 1933 earthquake.

Superior Laundry was identified on the Property at 1317 San Francisco Avenue in 1926. It is possible that this laundry conducted dry cleaning operations. Any dry cleaning operation in the 1920s would very likely have used a petroleum-based solvent (gasoline or Stoddard), and dry cleaning operations using petroleum products were, in SCS’s experience, unlikely to have resulted in any significant environmental impact to the parcels they occupy. In summary, the presence of a “laundry” or possible dry cleaning operation in 1926 does not represent an environmental concern for the Property.

Long Beach Fire Department files contained abundant information regarding the storage of hazardous materials including current and historic USTs, aboveground storage tanks (ASTs) and miscellaneous flammable and combustible materials. A summary of this information indicates the following:

- There are two 12,000-gallon USTs are currently in use, one gasoline and one diesel. At this time, there is no evidence in LBFD records that leaks or spills have occurred from these USTs.
- Historic USTs included the following:
 1. 10,000-gallon unleaded gasoline, reportedly installed in 1966 and removed in January 1999. Regulatory closure received from Long Beach/Signal Hill Joint Powers Agency (JPA) in the “No Further Action” Letter dated March 25, 1999.
 2. 10,000-gallon diesel, reportedly installed on November 5, 1959 and removed in January 1999. Regulatory closure received from the JPA in the “No Further Action” Letter dated March 25, 1999.
 3. 1,000-gallon unused UST, originally meant for solvent/kerosene, installed on July 19, 1988 and removed in January 1999. Regulatory closure received from JPA in the “No Further Action” Letter dated March 25, 1999.
 4. 500-gallon kerosene UST, removed in July 1988. The location of this UST was at the southwest corner of San Francisco Avenue and Esther Street. One undertank soil sample contained 16,000 parts per million of hydrocarbons. A note dated March 25,

1999 on the City of Long Beach Environmental Health Underground Tank Program Tracking System summary states:

“Based on present closure guidance for low risk fuel contamination site fact sheet issued by the California Regional WQCB, Los Angeles Region, this site is low risk therefore no further action is required.”

Based on this information, no remediation of impacted soils was conducted.

5. 550-gallon gasoline UST – An “UST Unauthorized Release (Leak)/Contamination Site Report” dated May 29, 1996 indicated that on August 30, 1995 it was discovered that an unknown quantity of gasoline leaked from a 30 plus year old UST at 901 West Anaheim Street. This UST was removed by Maness Environmental on August 30, 1995, from a located in the 14th Street right-of-way 146 feet west of San Francisco Avenue and immediately north of the Tow Yard at 901 Anaheim. Soil and groundwater impacts were confirmed in investigations of the area. In a letter dated April 2, 2001, DHHS referred this case to the RWQCB. The Reynolds Group (TRG) prepared a workplan dated November 15, 2001 which was submitted to the RWQCB. The TRG Workplan was approved by the RWQCB in a letter dated February 19, 2002. No other information regarding this site was available in regulatory files.

The following records may be related to one or more of the USTs discussed above, or may be related to other historic USTs on the Property:

- Motor Oil UST – An UST Unauthorized Release (Leak)/Contamination Site Report dated August 4, 1995 indicated that 110 gallons of new motor oil were spilled from piping at 1725 San Francisco. No additional information regarding the location, investigation or regulatory status of this “unauthorized release” was identified in LBFD records.
- 10,000-gallon diesel UST – A “Flammable Liquids Permit,” issued on January 10, 1969, for the Public Service Yard at 1725 San Francisco Street, indicated that a 10,000-gallon diesel UST was to be installed on the Property. The permit also indicated that including this tank; there were a total of two tanks (with 20,000-gallons of capacity) and one pump at this address. Another permit application for a 10,000-gallon diesel fuel UST, for the City Public Service Yard at 1725 San Francisco Avenue, was approved on March 29, 1976; this permit may be related to an existing UST. No further information was found regarding the location or disposition of these tanks. Either or both of these records may be related to the diesel UST removed by McLaren Hart in 1999. However, there is a discrepancy with regard to the installation date; the 10,000-gallon UST removed by McLaren Hart was reportedly installed in November 1959.
- Gasoline UST – A sketch map dated September 20, 1979 was identified with the address of 1601 San Francisco Avenue. Notes on the map indicated that this was a City of Long Beach project related to the installation of vapor recovery line for an existing gasoline



tank. No further information related to this tank was identified. No details were present on the map to indicate the size or location of the tank. This record may be related to the 550-gallon gasoline UST at 901 Anaheim, or the 10,000-gallon unleaded gasoline located at 1725 San Francisco, reportedly installed in 1966 and removed in January 1999.

The following additional recognized environmental conditions were identified from historical information:

- **Fill Material** – City personnel indicated that fill material appears to have been placed on the western portion of the Property; the source of this material is unknown, but may include debris from the 1933 earthquake. Building debris from 1933 may contain asbestos, lead-based paint, or other issues of potential environmental concern.
- **Possible releases of waste oils, chemicals, and solvents**, may have resulted from historical operations on the Property (e.g., chemical storage and use areas, paint shop, chemical laboratory, machine shop, etc.).

Adjacent sites, historically including: truck parking, vacant lots, a liquor market, a trucking company, a food facility, a meat refrigeration site, offices, truck services, plumbing supplies, a machine shop, tourist court units, an electric appliance warehouse, Adhor Milk Farms, a vacant building, an auto court, dwellings, and the Los Angeles River Flood Control Channel, are not anticipated to pose an environmental concern for the Property.

REGULATORY RECORDS REVIEW

Local regulatory agencies and other sources were contacted in an effort to identify any known or suspected contamination sites or incidents of hazardous waste storage or disposal which might have resulted in soil or groundwater contamination within a one-mile radius of the Property. Within the City of Long Beach, the Long Beach Fire Department generally acts as the lead enforcement agency for underground storage tank compliance and removals. If soil or groundwater contamination is suspected, the Long Beach Department of Health and Human Services generally acts as the lead enforcement agency for subsequent investigations. However, if groundwater has been affected, the Los Angeles Regional Water Quality Control Board (RWQCB) generally becomes the lead agency for contamination characterization and cleanup.

Regulatory Database Sites

In addition, a database search for sites listed on various federal and state databases within one mile of the Property was obtained from EDR Environmental Information. A description of each of the databases searched is included in the report, which is attached as Appendix E. The EDR databases include NPL, US EPA CERCLIS, State CERCLIS, CORRACTS, LUST, CA SLIC, Calsites, SWLF, Cortese, Border Zone Properties, ERNS, and Toxic Pits. Any sites included on these lists within 0.25 miles of the Property are discussed in the following text. As a general rule, sites beyond 0.25 miles are not anticipated to impact a site significantly. Any sites beyond

0.25 miles with a high potential to impact the Property are also discussed. (Please note: the distances and directions listed in this report have been field verified and might not always match those in the EDR report.)

The EDR databases also include TSD facilities, hazardous waste generators, HAZNET, FINDS, SQGs, LQGs, USTs, HIST UST, RCRA violations, and TRIS facilities with toxic chemical releases (generally in accordance with permitting requirements - into the air, water, or land as reported under SARA Title III). These sites use or store hazardous materials and thus may pose a potential problem in the event of a spill or leak. However, unless these sites also appear in an agency list of contaminated sites, there is no evidence of any problems at this time. Therefore, sites on these lists will not be discussed unless on or in close proximity to the Property.

Please refer to Appendix F for further information on these sites.

Property Listings--

The Property is variously identified in the EDR database report as the Vehicle Tow Yard, Long Beach City Tow Yard, City of Long Beach Towing Operations, Public Service Yard, City of Long Beach Public Works, City of Long Beach Public Service Yard, Long Beach City Public Service Yard, City of Long Beach Testing Lab, Public Service Transfer Station #2, and City of Long Beach; with addresses of 901 and 929 West Anaheim (EDR locations A1-A4, pgs 6-9) and 1475, 1601 and 1725 San Francisco Avenue (EDR locations O58-O63, pgs 55-61).

The Property is identified on the HAZNET, Cortese, LUST, RCRIS-SQG, FINDS, SWF/LF, EMI, and UST databases:

Listing	Address	Owner	Comments
A1 Cortese	901 Anaheim	Vehicle Tow Yard	No information on the nature of the listing, however, the Cortese list consists predominantly leaking UST sites. See below.
A2 LUST	901 W. Anaheim St.	Long Beach City Tow Yard	An UST was found after the City of Long Beach purchased the land. A gasoline release was discovered during tank removal in August 1995. The information provided in the database corresponds to the 550-gallon UST previously discussed.



Listing	Address	Owner	Comments
A4 HAZNET	901 West Anaheim	City of Long Beach Towing Operations	This listing is related to the removal of the following wastes: organic solids, oil-containing waste, and aqueous solution with organic residues.
A3 UST	929 West Anaheim	City of Long Beach	<u>UST</u> This address corresponds to the same parcel as 901 Anaheim and is likely related.
O62 RCRIS-SQG, FINDS	1475 San Francisco	City of Long Beach Testing Lab	<u>RCRIS</u> Operations on the Property generated small quantities of hazardous waste (e.g., solvents, etc.). <u>FINDS</u> Resource Conservation and Recovery Act Information System
O59 HAZNET	1601 San Francisco	City of Long Beach Public Works	<u>HAZNET</u> Listing related to the manifesting of asbestos-containing waste, unspecified solvent mixture waste, waste oil and mixed oil, and unspecified oil-containing waste.
O61 RCRIS-SQG, FINDS	1601 San Francisco	City of Long Beach Public Service Department	<u>RCRIS</u> Operations on the Property generated small quantities of hazardous waste (e.g., solvents, etc.). <u>FINDS</u> Resource Conservation and Recovery Act Information System



Listing	Address	Owner	Comments
O63 SWF/LF, EMI	1601 San Francisco	Public Service Transfer Station #2	The SWF/LF listing is related to the limited-volume transfer station operations; green materials, mixed municipal – 1,000 tons per year. <u>EMI</u> National Emissions Inventory.
O58 Cortese, LUST	1725 San Francisco	Public Service Yard	<u>LUST</u> Release Date: 8/4/95 Piping failure Affected soil only Substance type not identified. No closure reported <u>Cortese</u> No information on the nature of the listing.
O60 UST	1725 San Francisco	City of Long Beach Public Service Yard	<u>UST</u> Two tanks on Property.

All of the Cortese, UST and LUST database listings appear to relate to underground storage tanks that have been previously discussed in this report.

The HAZNET database indicated that organic solids, oil-containing wastes, and aqueous solutions with organic residues were removed from 901 West Anaheim under manifest, and that asbestos containing waste, unspecified solvent mixture waste, waste oil and mixed oil, and unspecified oil-containing wastes were removed from 1601 San Francisco Avenue under manifest. These wastes were likely the result of vehicle maintenance operations, construction activities, and painting operations on the Property.

The RCRIS-SQG database, which is a list of sites that generate, transport, store, treat and/or dispose of small quantities of hazardous waste, did not provide any information pertaining to the nature of the materials generated on the Property; however, the entries indicated that no violations were found.

The FINDS database, which lists other databases that a site is included in, indicated that the Property is listed on the National Emissions Inventory and the Resource Conservation and Recovery Act Information System databases. This listing is likely due to historic or on-going operations such as the paint booth, fuel station, etc.



The solid waste information system database (SWF/LF) typically contains an inventory of active, closed, and inactive landfills or disposal facilities. The listing for the Property indicated that a limited volume (up to 1,000 tons per year) transfer operation, which included green materials and mixed municipal waste, existed at 1601 San Francisco Avenue. Since no waste material was permanently stored at this facility, no significant environmental impact is anticipated with respect to this listing.

The Emissions Inventory Database (EMI) indicates facilities whose emissions data have been collected by various air pollution agencies. No information was given regarding the nature of the data that was collected for the Property. It is likely this listing was related to the paint booth and/or fueling station.

Other Database Sites--

The EDR database lists the following sites within a one-mile radius of the Property. Some sites may be listed on more than one database. (Please note: LUST sites that are within 1/2-1 mile of the Property may not be reported unless present on at least one additional database).

Database	Number of Sites		
	0 – 1/4 miles	1/4 – 1/2 miles	1/2 - 1 mile
US EPA National Priority List (NPL)	0	0	0
US EPA RCRA Corrective Actions (CORRACTS)	0	0	1
California Superfund (SPL)	0	0	0
US EPA CERCLIS (sites under review for inclusion of the NPL)	1	0	0
California equivalent CERCLIS (SCL)	0	0	0
California Leaking Underground Storage Tanks (LUST)	7	17	--
California Solid Waste & Landfill Facilities (SWLF)	1	0	--
California Properties with Deed Restrictions	0	--	--
California Properties with Hazardous Waste (Cortese)	8	16	--

Database	Number of Sites		
	0 – 1/4 miles	1/4 – 1/2 miles	1/2 - 1 mile
California Registered Underground Storage Tanks (UST)	20	--	--
California State Spills List	4	2	--
US EPA Hazardous Waste Generators	11	--	--

According to the EDR database, numerous sites within 0.25 miles of the Property have had releases of substances including hydrocarbons and volatile organic compounds, and groundwater in the area has been impacted. Based on this information, it is possible that impacted groundwater from these sites has migrated beneath the Property.

Unmappable or Orphan Sites--

A total of 154 unmappable sites were identified in the EDR Report according to their zip code. Unmappable sites cannot be plotted due to inaccurate or incomplete addresses. Based on review of the provided data, including the likely location of the unmappable sites in relation to the Property, it appears unlikely that the unmappable sites have adversely affected the environmental condition of the Property.

Landfills

A review of the Major Waste Systems Map (June 1972, revised August 1976) was conducted to locate any landfills or transfer stations within a one-mile radius of the Property. No landfills or transfer stations were observed to be within one mile of the Property according to the Major Waste Systems Map.

A copy of the Major Waste System Map that includes the Property is included in Appendix D.

Oil and Gas Wells

SCS reviewed relevant information from the California Department of Conservation, Division of Oil, Gas and Geothermal Resources (DOGGR) regarding oil and gas exploration activities in this portion of Long Beach. DOGGR maps (Nos.131 and 127) indicated that numerous oil wells are present approximately 300 feet west and southwest of the Property across the Los Angeles River Flood Control Channel. Since these wells are on the opposite side of the river, no significant environmental impact to the Property is anticipated from oil and gas exploration or production.



FINDINGS AND OPINIONS

Based on the scope of work performed, SCS finds the following:

- The Long Beach Service Yard consists of seven rectangular Los Angeles County Tax Assessor's Parcels that total approximately 689,913 square feet in area. The Property is located west of San Francisco Avenue and east of the Los Angeles River between Pacific Coast Highway and Anaheim Street in Long Beach, California. The six southern-most parcels of the Property are contiguous and include the intervening street rights-of-way, which have been incorporated into the Public Service Yard. The northern-most parcel (940 Pacific Coast Highway, APN 7271-017-900) is located on the north side of the adjacent city block, approximately 200 feet north of the other parcels.
- The Property is presently utilized for various operations performed by Long Beach Public Services (e.g. traffic management, street maintenance, and landscaping). The Property is occupied by 24 buildings, eight storage sheds, a carwash, two clarifiers, a fueling station with underground storage tanks of diesel and gasoline, four gravel bays, two aboveground tar emulsion tanks, an aboveground propane tank and several hazardous materials storage areas. The area surrounding the structures is paved, and the large open areas of the Property are utilized for storage and parking. The two clarifiers, which are utilized at a vehicle washing station and a paint equipment cleaning station, the paint spray booth and the hazardous materials storage areas are considered Recognized Environmental Concerns.
- Historical information indicates that portions of the Property were initially developed for commercial use as early as 1926, and have been used for commercial or industrial purposes since that time. Superior Laundry was identified in city directories on the Property in 1926. A veterinarian and kennels occupied a portion of the Property from at least 1929 through 1948. Lumber and building material companies (Fickling and Blue Diamond) occupied part of the Property from at least 1932 until the early 1980s, when records indicate that a portion of the Property was redeveloped with the City of Long Beach Tow Yard. The city tow yard was in operation until 1999; and that portion of the Property has been used for equipment and vehicle storage since that time. At least a portion of the Property appears to have been utilized by the City of Long Beach, as a "municipal garage," since as early as 1926. Various other city operations, such as a chemical laboratory and a machine shop have existed on the Property from as early as 1940 to present. The southwestern portion of the Property was occupied by De Forest Avenue in 1963 and possibly as early as 1953 or earlier. City Tow Yard personnel indicated that the western portion of the Property, somewhat elevated with respect to the rest of the Property, is likely fill material, which may contain debris from the 1933 earthquake.
- Superior Laundry was identified on the Property at 1317 San Francisco Avenue in 1926. It is possible that this laundry conducted dry cleaning operations. Any dry cleaning



operation in the 1920s would very likely have used a petroleum-based solvent (gasoline or Stoddard), and dry cleaning operations using petroleum products were, in SCS's experience, unlikely to have resulted in any significant environmental impact to the parcels they occupy. In summary, the presence of a "laundry" or possible dry cleaning operation in 1926 does not represent an environmental concern for the Property.

- Observations during the site inspection indicate that adjacent properties are currently occupied by: Long Beach Garage Door Co., Hydraulic and Automation Controls Co., The Food Bank of Southern California (and associated parking lot), 7-Strand, Ready Storage, BCIA Precision Casting, Graybar Distributor of Electrical and Comm/Data Products, Long Beach Seafood Co. Wholesale Outlet, Mylo's Custom Auto Body, Tacoma Express Inc., Truck Parking, Riley Marine Products, Goodwill (and associated parking lots), and Ocean Blue Environmental Services. No obvious recognized environmental concerns for the Property were identified on these adjacent sites.
- Regulatory database information identified the Property on the HAZNET, Cortese, LUST, RCRIS-SQG, FINDS, SWF/LF, EMI, and UST databases. The Cortese, LUST and UST database listings appear to relate to the current and historic UST operations, removals and cleanups. Other EDR report information indicated that wastes such as organic solids, oil-containing wastes, aqueous solutions with organic residues, asbestos containing waste, unspecified solvent mixture waste, and waste oil and mixed oil, were used on the Property. Additionally, the database report indicated that a transfer station operation formerly existed on the Property.
- Long Beach Fire Department information indicated that there are two 12,000-gallon USTs are currently in use, one gasoline and one diesel. These tanks are located on parcel 7271-008-900, between Cowles and 14th Street. At this time, there is no evidence in LBFD records that leaks or spills have occurred from these USTs.
- Historic on-site USTs included the following:
 1. 10,000-gallon unleaded gasoline, reportedly installed in 1966 and removed in January 1999. Regulatory closure received from Long Beach/Signal Hill Joint Powers Agency (JPA) in the "No Further Action" Letter dated March 25, 1999.
 2. 10,000-gallon diesel, reportedly installed on November 5, 1959 and removed in January 1999. Regulatory closure received from the JPA in the "No Further Action" Letter dated March 25, 1999.
 3. 1,000-gallon unused UST, originally meant for solvent/kerosene, installed on July 19, 1988 and removed in January 1999. Regulatory closure received from JPA in the "No Further Action" Letter dated March 25, 1999.



4. 500-gallon kerosene UST, removed in July 1988. The location of this UST was at the southwest corner of San Francisco Avenue and Esther Street. One undertank soil sample contained 16,000 parts per million of hydrocarbons. A note dated March 25, 1999 on the City of Long Beach Environmental Health Underground Tank Program Tracking System summary states:

“Based on present closure guidance for low risk fuel contamination site fact sheet issued by the California Regional WQCB, Los Angeles Region, this site is low risk therefore no further action is required.”

Based on this information, no remediation of impacted soils was conducted.

5. 550-gallon gasoline UST – An “UST Unauthorized Release (Leak)/Contamination Site Report” dated May 29, 1996 indicated that on August 30, 1995 it was discovered that an unknown quantity of gasoline leaked from a 30 plus year old UST at 901 West Anaheim Street. This UST was removed by Maness Environmental on August 30, 1995, from a located in the 14th Street right-of-way 146 feet west of San Francisco Avenue and immediately north of the Tow Yard at 901 Anaheim. Soil and groundwater impacts were confirmed in investigations of the area. In a letter dated April 2, 2001, DHHS referred this case to the RWQCB. The Reynolds Group (TRG) prepared a workplan dated November 15, 2001 which was submitted to the RWQCB. The TRG Workplan was approved by the RWQCB in a letter dated February 19, 2002. No other information regarding this site was available in regulatory files.

The following records may be related to one or more of the USTs discussed above, or may be related to other historic USTs on the Property:

- Motor Oil UST – An UST Unauthorized Release (Leak)/Contamination Site Report dated August 4, 1995 indicated that 110 gallons of new motor oil were spilled from piping at 1725 San Francisco. No additional information regarding the location, investigation or regulatory status of this “unauthorized release” was identified in LBFD records.
- 10,000-gallon diesel UST – A “Flammable Liquids Permit,” issued on January 10, 1969, for the Public Service Yard at 1725 San Francisco Street, indicated that a 10,000-gallon diesel UST was to be installed on the Property. The permit also indicated that including this tank; there were a total of two tanks (with 20,000-gallons of capacity) and one pump at this address. Another permit application for a 10,000-gallon diesel fuel UST, for the City Public Service Yard at 1725 San Francisco Avenue, was approved on March 29, 1976; this permit may be related to an existing UST. No further information was found regarding the location or disposition of these tanks. Either or both of these records may be related to the diesel UST removed by McLaren Hart in 1999. However, there is a discrepancy with regard to the installation date; the 10,000-gallon UST removed by McLaren Hart was reportedly installed in November 1959.



- Gasoline UST – A sketch map dated September 20, 1979 was identified with the address of 1601 San Francisco Avenue. Notes on the map indicated that this was a City of Long Beach project related to the installation of vapor recovery line for an existing gasoline tank. No further information related to this tank was identified. No details were present on the map to indicate the size or location of the tank. This record may be related to the 550-gallon gasoline UST at 901 Anaheim, or the 10,000-gallon unleaded gasoline located at 1725 San Francisco, reportedly installed in 1966 and removed in January 1999.

The following additional recognized environmental conditions were identified from historical information:

- Fill Material – City personnel indicated that fill material was placed on the western portion of the Property; the source of this material is unknown, but may include debris from the 1933 earthquake. Building debris from 1933 may contain asbestos, lead-based paint, or other issues of potential environmental concern. An obvious elevated area was noted during the site inspection on the northwestern portion of parcel 7271-011-900 (between 15th and Cowles Streets).
- Possible releases of waste oils, chemicals, and solvents, may have resulted from historical operations on the Property (e.g., chemical storage and use areas, paint shop, chemical laboratory, machine shop, etc.).
- Regulatory database information also indicates that numerous sites within 0.25 miles of the Property have had releases of substances including hydrocarbons and volatile organic compounds, and groundwater in the area has been impacted. Based on this information, it is possible that impacted groundwater from these sites has migrated beneath the Property.

In summary, the only parcel with **no recognized environmental concerns** is the northern-most of the seven parcels of the Property (940 Pacific Coast Highway, APN 7271-017-900); this parcel is approximately 200 feet north of the other parcels on the north side of the adjacent city block.

The remaining parcels contain one or more areas of environmental concern as shown in Figures 4 and 5 (Appendix A), including fill material containing debris from the 1933 earthquake and petroleum-related impacts to soil and/or groundwater from underground fuel storage tanks. Further, historic operations on these parcels have included vehicle and equipment maintenance, paint shop, chemical laboratory, landscaping departments, machine shop, etc. The locations and nature of these operations appears to be transitory, and it is possible that waste oils, various pesticides, oils, paint and solvents have spilled or leaked over the 70 plus years of operation.

In conclusion, SCS has performed a Phase I Environmental Site Assessment of the Long Beach Public Service Yard, located on seven city blocks bounded by West Anaheim to the south, San Francisco Avenue to the east, Pacific Coast Highway to the north, and the Los Angeles River Flood Control Channel to the west, in Long Beach, California, in general conformance with the



scope and limitations of ASTM Practice E1527-00. Based on the recognized environmental conditions discussed above, SCS recommends further investigation.



REFERENCES

- California Department of Water Resources. *Planned Utilization of the Ground Water Basins of the Coastal Plain of Los Angeles County*. Bulletin No. 104. 1961; reprinted April 1988
- California Department of Conservation, Division of Oil, Gas, and Geothermal Resources, (Maps 131 and 127) 5816 Corporate Avenue, Suite 200, Cypress, CA 90630-4731, (714) 816-6847
- City of Long Beach, Department of Building and Safety, 333 West Ocean Boulevard, 4th Floor, Long Beach, CA 90802-4604
- City of Long Beach Fire Department, 925 Harbor Plaza, Suite 100, Long Beach, California
- Environmental Data Resources Inc., (The EDR Radius Map Report, 901 West Anaheim, Long Beach, CA 90813, May 28, 2004). 3535 Post Road, Southport, Connecticut 06890
- United States Geological Survey, Long Beach, CA 7.5 Minute Topographic Series Map (1964, Photorevised 1981)
- Personal communication (May 27, 2004), Larry McNerny (562) 570-2841, Supervisor with the City of Long Beach Towing Yard
- Personal communication (August 10, 2004), Greg Keys, office - (562) 570-2791, cell - (562) 619-1133, Supervisor II, Structural/Anti Graffiti Operations, Public Service Department



APPENDIX A

FIGURES

- 1 – Project Site Location
- 2 – Assessor's Parcel Maps
- 3 – Aerial Photograph 1994
- 4 – Map of Areas of Environmental Concern Southern Portion of Property
- 5 – Map of Areas of Environmental Concern Northern Portion of Property



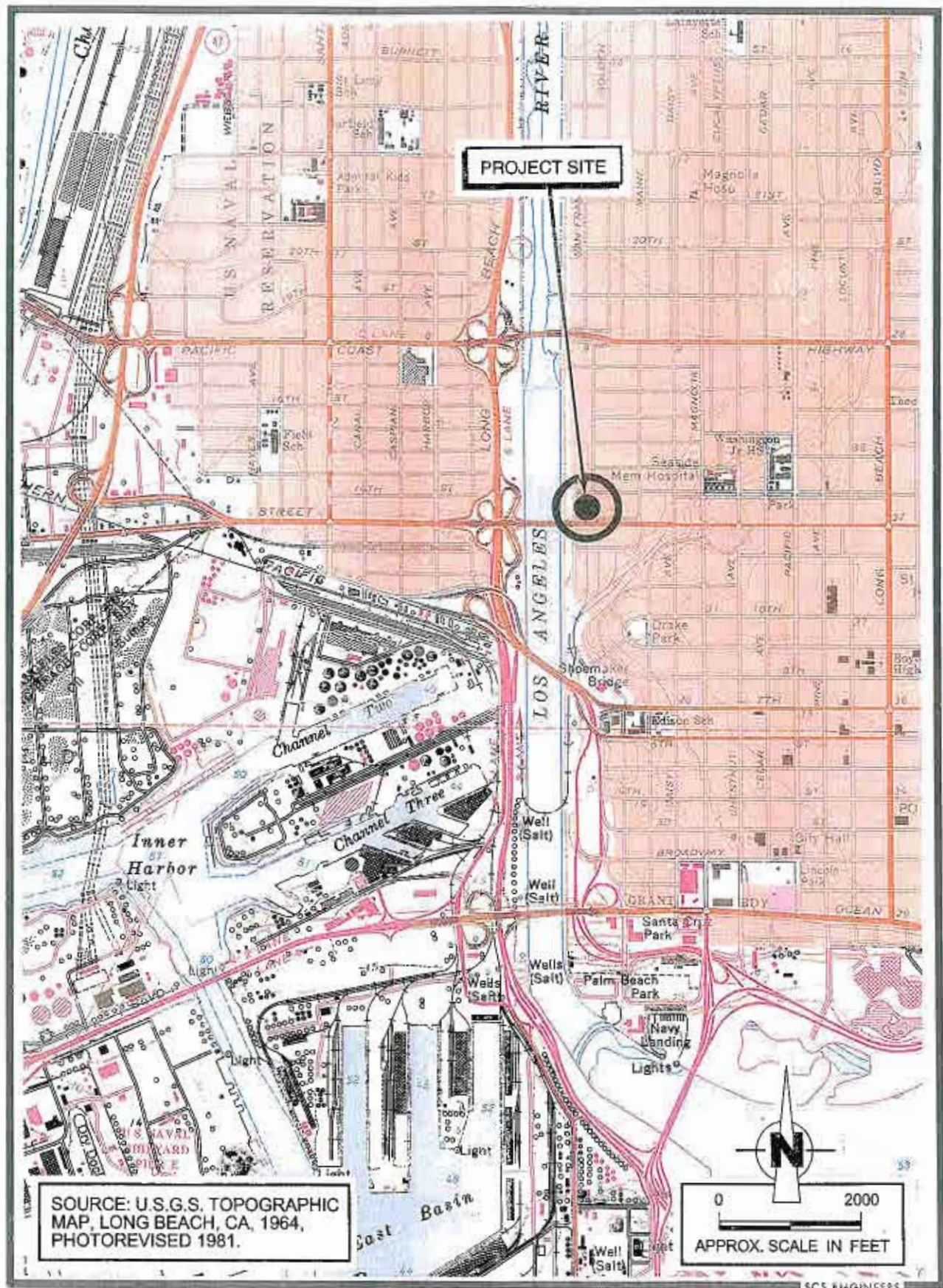
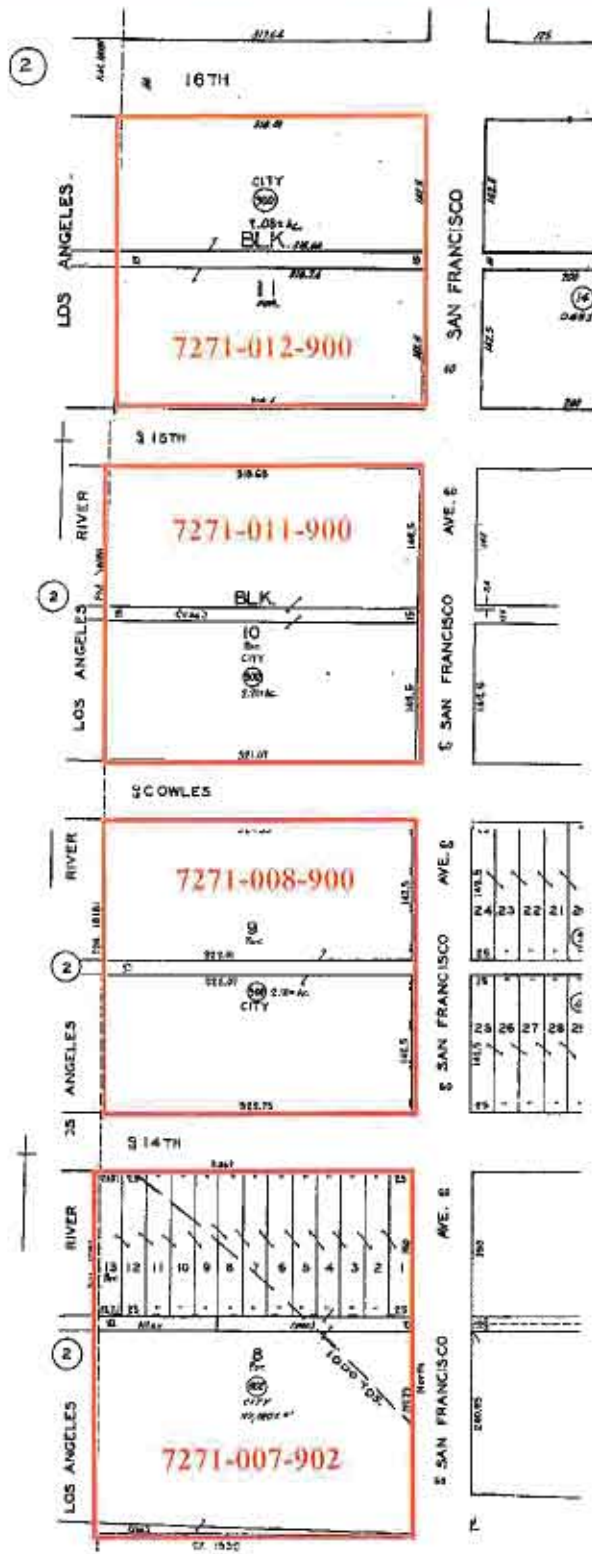


Figure 1. Project Site Location.





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Figure 2B. Assessor's Parcel Map - Part 2

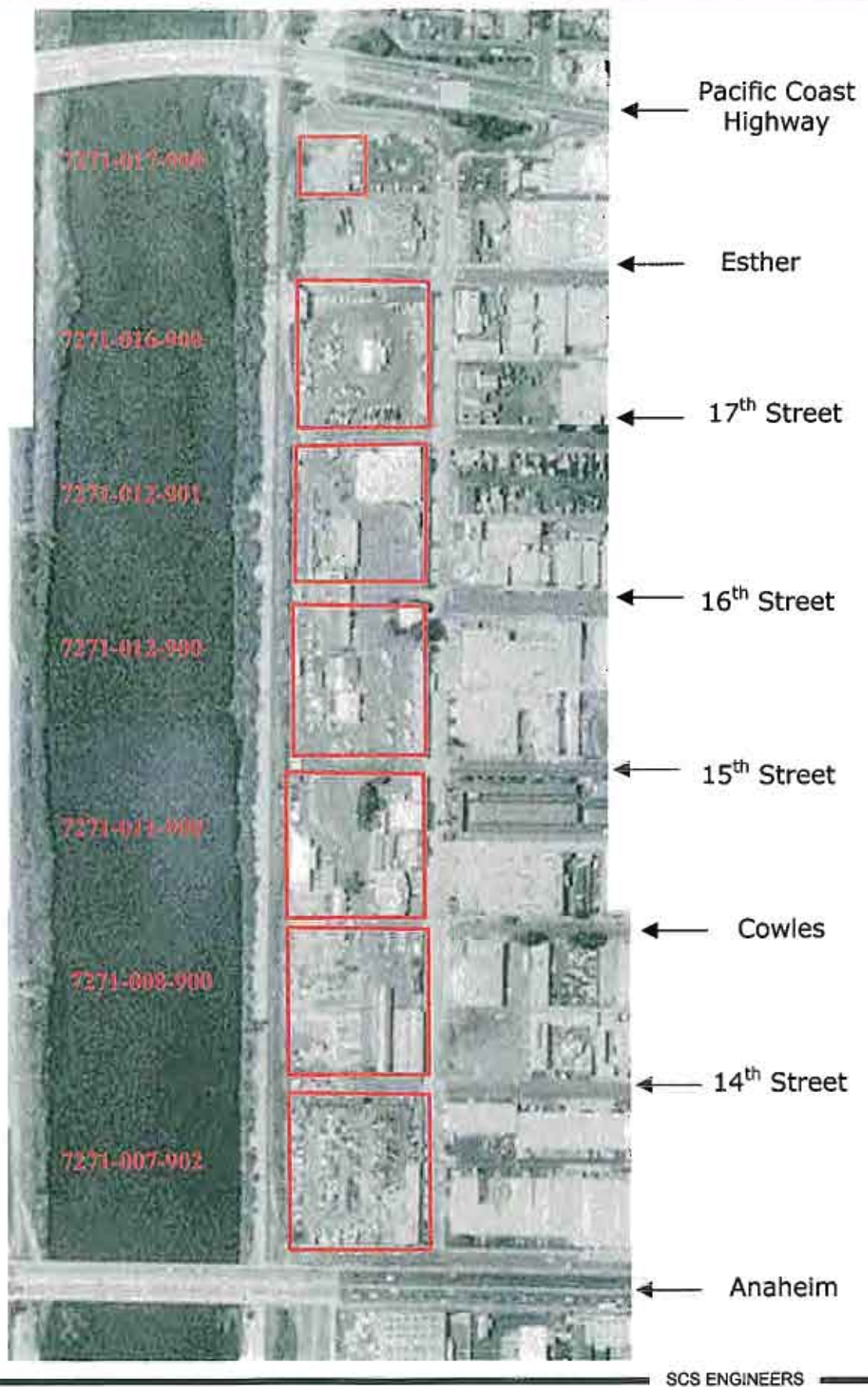


Figure 3. Aerial Photograph 1994

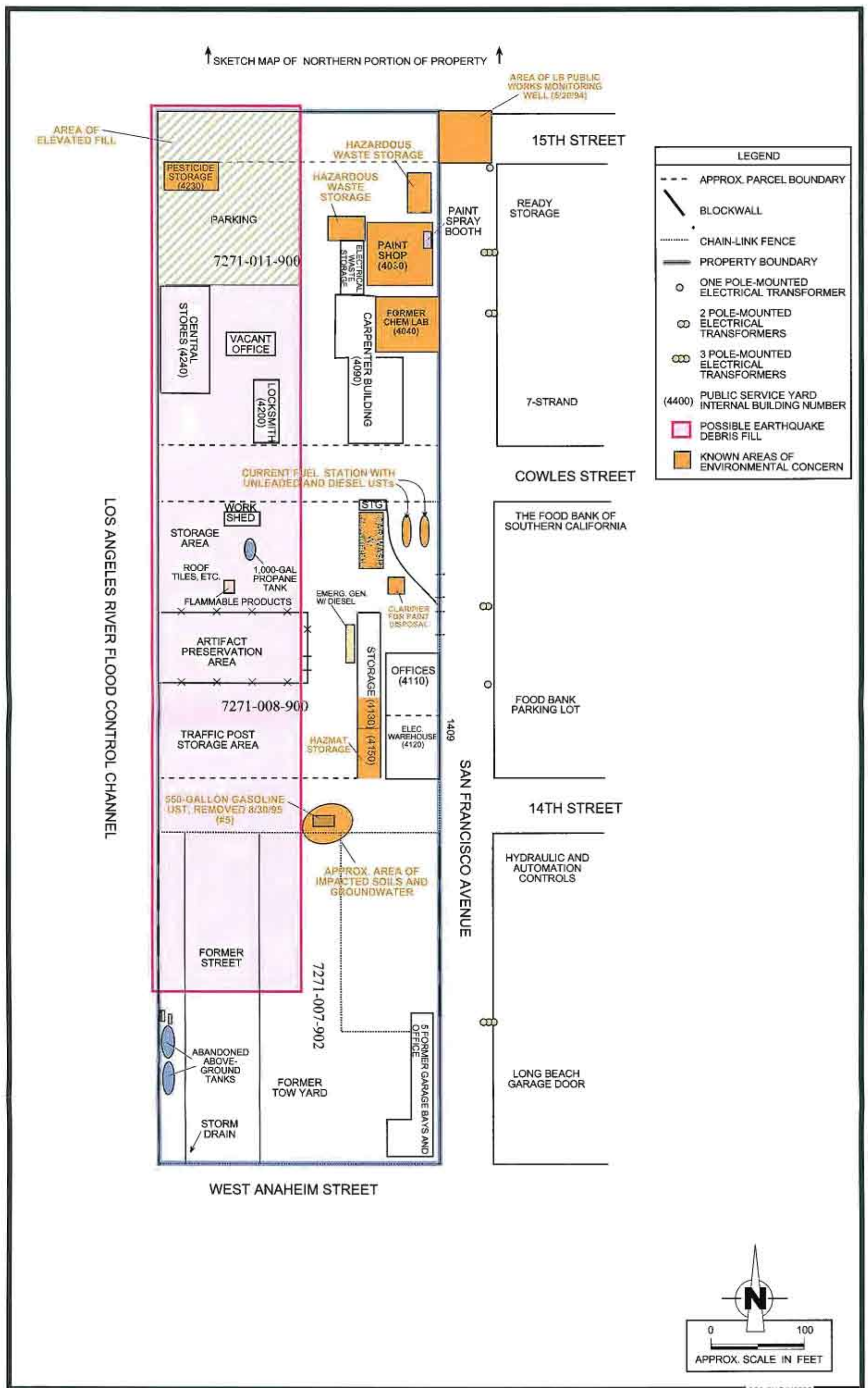


Figure 4. Map of Areas of Environmental Concern, Southern Portion of Property.

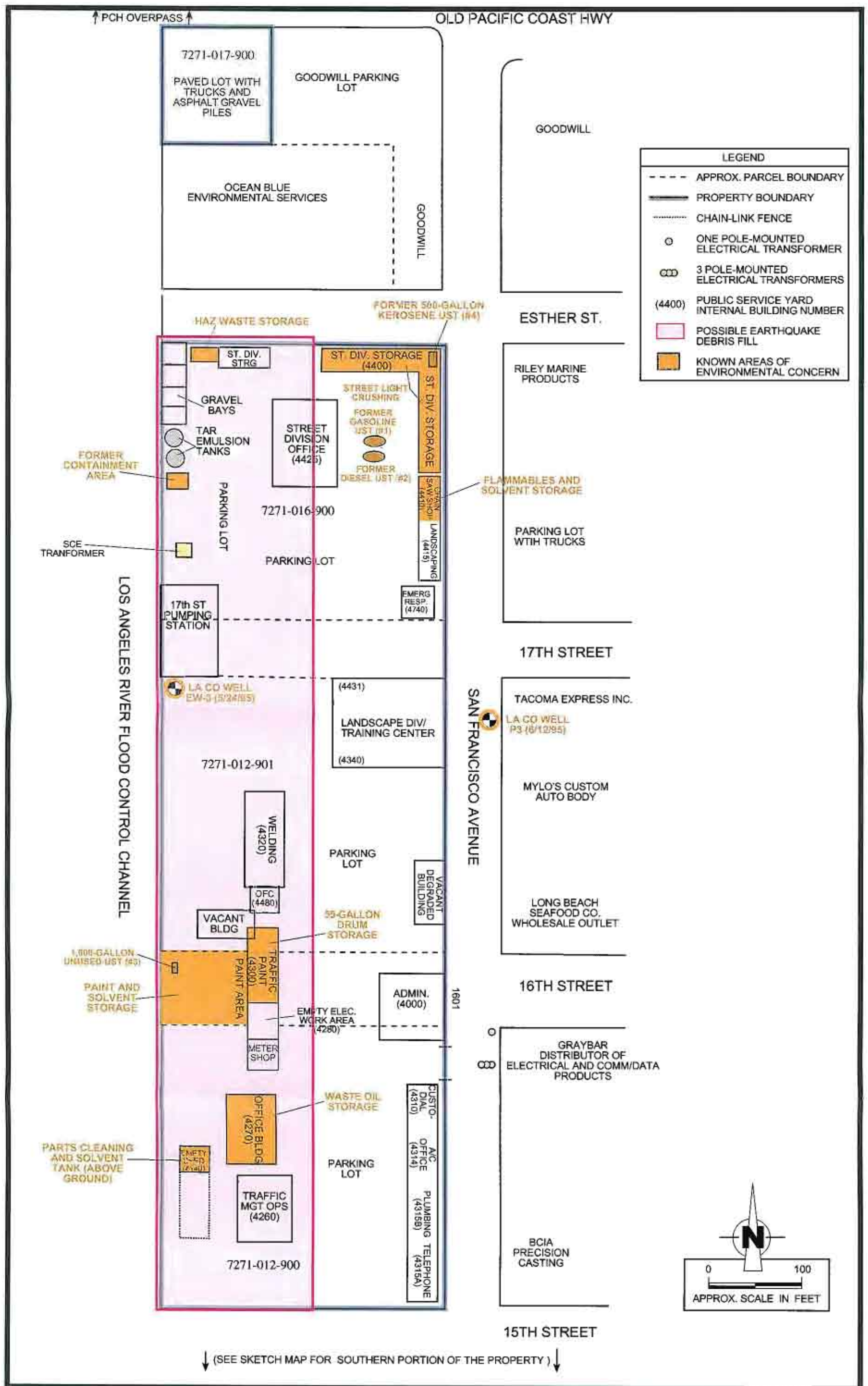


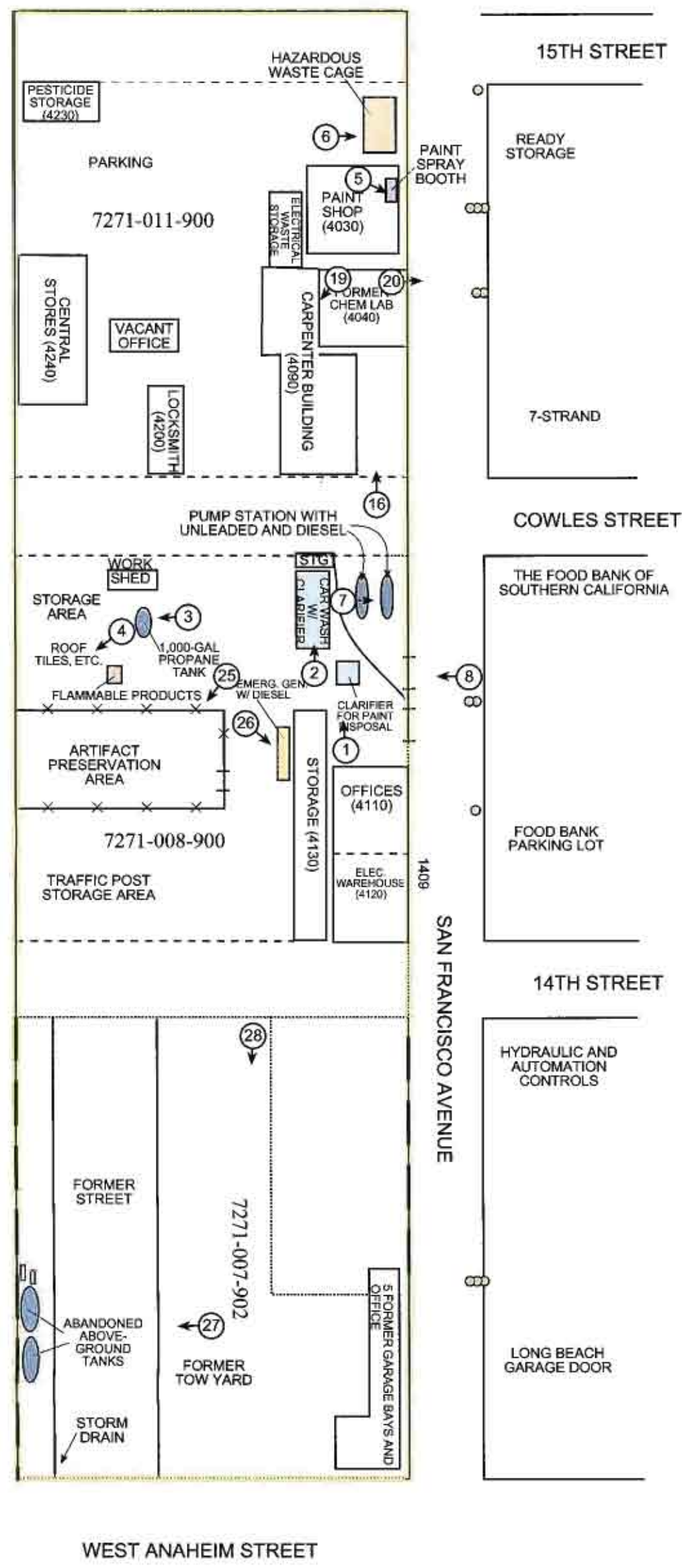
Figure 5. Map of Areas of Environmental Concern, Northern Portion of the Property.

APPENDIX B
SKETCH MAP AND PHOTOGRAPHS

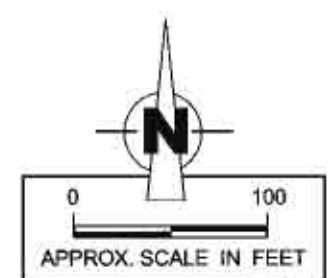


↑ SKETCH MAP OF NORTHERN PORTION OF PROPERTY ↑

LOS ANGELES RIVER FLOOD CONTROL CHANNEL

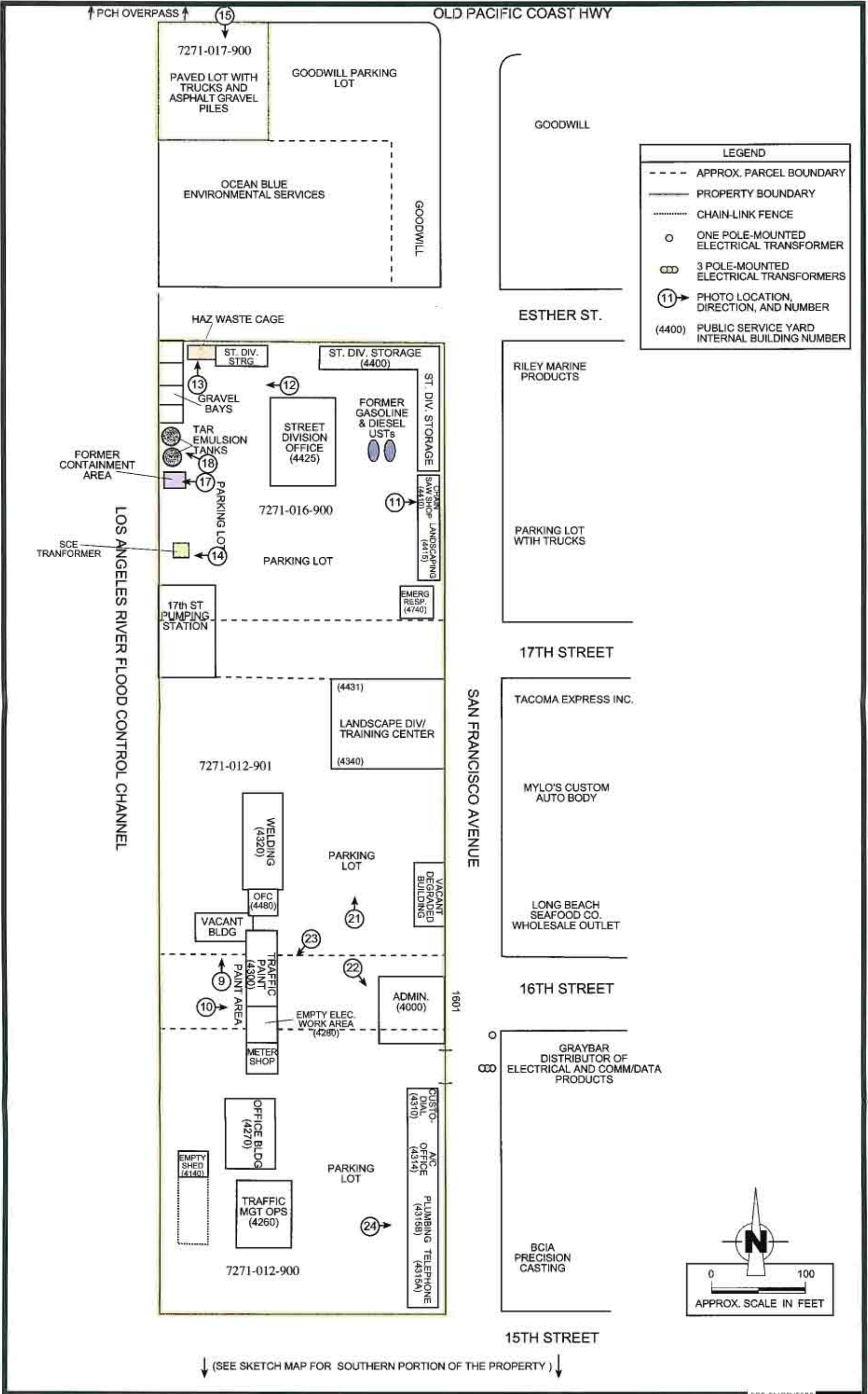


LEGEND	
---	APPROX. PARCEL BOUNDARY
—	BLOCKWALL
.....	CHAIN-LINK FENCE
—	PROPERTY BOUNDARY
○	ONE POLE-MOUNTED ELECTRICAL TRANSFORMER
⊗	2 POLE-MOUNTED ELECTRICAL TRANSFORMERS
⊗⊗	3 POLE-MOUNTED ELECTRICAL TRANSFORMERS
⑪	PHOTO LOCATION, DIRECTION, AND NUMBER
(4400)	PUBLIC SERVICE YARD INTERNAL BUILDING NUMBER



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Sketch Map of Site Showing Locations of Photographs, Southern Portion of Property.



Sketch Map of Site Showing Locations of Photographs, Northern Portion of the Property.



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Photo 1. Clarifier for Paint Equipment Rinse Water



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Photo 2. Clarifier for Vehicle Wash Area



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Photo 3. Aboveground Propane Tank



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Photo 4. Roofing Tiles and Construction Materials Stored on the Property



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Photo 5. Paint Spray Booth Inside the Paint Shop



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Photo 6. Hazardous Materials Cage North of the Paint Shop



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Photo 7. Fueling Station



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Photo 8. View Northwest at Fueling Station



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Photo 9. Northern Paint Storage Area West of the Traffic Paint Building



SCS ENGINEERS

Photo 10. Southern Paint Storage Area West of the Traffic Paint Building



SCS ENGINEERS

Photo 11. Chain Saw and Landscaping Maintenance Shop



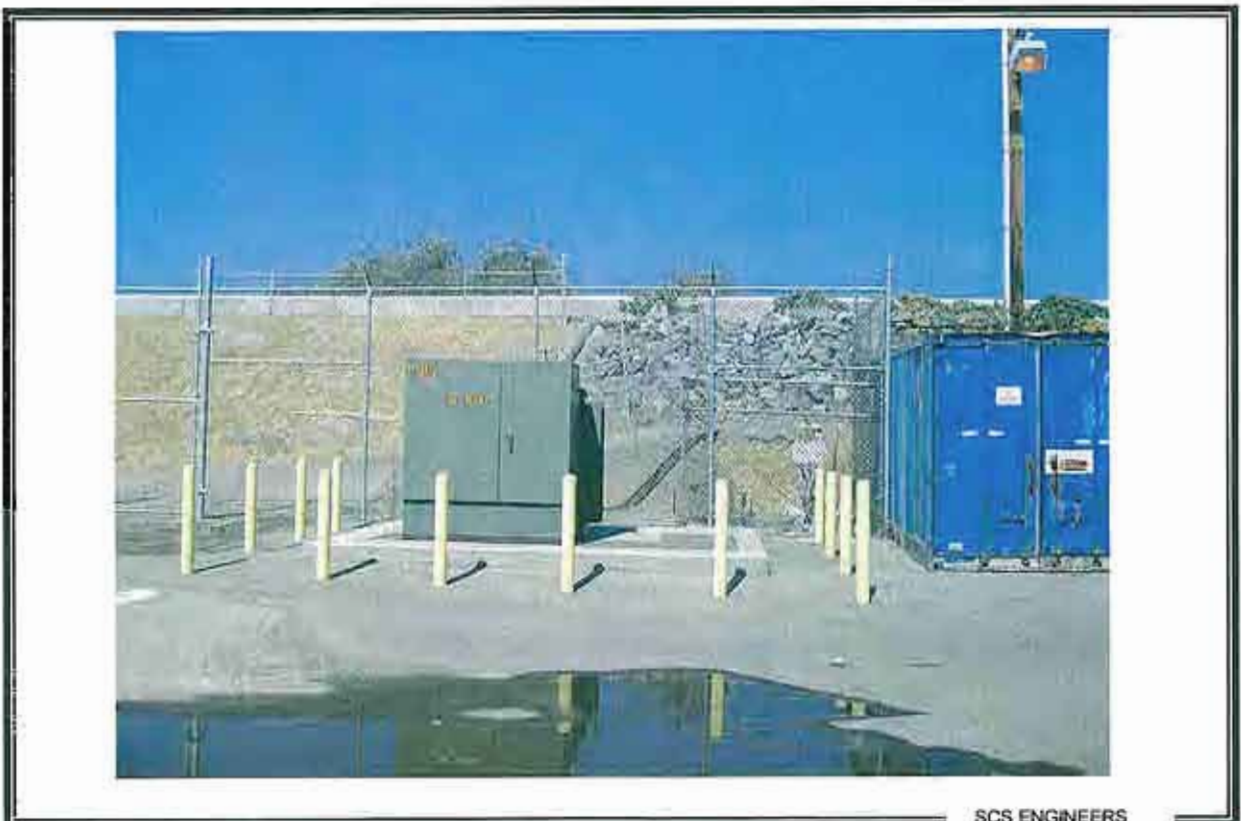
SCS ENGINEERS

Photo 12. Gravel Bays and Tar Emulsion Tanks



SCS ENGINEERS

Photo 13. Hazardous Waste Cage Containing Waste Oils



SCS ENGINEERS

Photo 14. SCE Pad-mounted Transformer North of the Pump Station



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Photo 15. Asphalt Gravel Piles



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Photo 16. View North of Carpentry Building (left) and Former Chemistry Lab (Right)



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Photo 17. Former Containment Area for Used Oil and Paint Thinner



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Photo 18. Close-up of Tar Emulsion Tanks and Containment Area



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Photo 19. Equipment in Former Chemistry Laboratory



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Photo 20. Former Chemistry Laboratory Concrete Strength Testing Equipment



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Photo 21. View North at Parking Area (APN 7271-012-901)



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Photo 22. View Southeast at Administration Building



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Photo 23. View Southwest at Traffic Paint Shop



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Photo 24. Chemicals Stored in Plumbing Building



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Photo 25. Southwest View at Artifact Storage Area



SCS ENGINEERS

Photo 26. Southeast View of Emergency Generator and Traffic Post Storage Area



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Photo 27. Aboveground Tanks Stored on the Southern End of the Property.



SCS ENGINEERS

Photo 28. View from North to South at the Central Portion of the Former City Tow Yard

APPENDIX C

HISTORICAL SITE USE INFORMATION

(BUILDING PERMITS, AERIAL PHOTOGRAPHS, and SANBORN MAPS)



CITY OF LONG BEACH

INSPECTION REQUEST LINE (213) 590-6105

PLANNING & BUILDING
DEPARTMENT

333 W. OCEAN BLVD.
(213) 590-8651

LICENSED CONTRACTORS DECLARATION		WORKER'S COMPENSATION DECLARATION		
I hereby affirm that I am licensed under provisions of Chapter 9 (Commencing with Section 7000 of Division 3 of the Business and Professional Code, and my license is in full force and effect. License Class: <u>Contractor</u> License No. <u>918/90</u> Date: <u>9/10/90</u> OWNER-BUILDER DECLARATION I hereby affirm that I am exempt from the Contractors License Law for the following reason (Sec. 7031 California Business and Professional Code: Any City which requires a permit to contract, alter, improve, demolish or repair any structure prior to its issuance also requires the applicant for such permit to file a signed statement that he is a licensed contractor pursuant to the provisions of the Contractors License Law (Ch. 9 (Commencing with Sec. 7000 of Div. 3 of the B. & P. C.) or that he is exempt therefrom and the basis for the alleged exemption. Any violation of Sec. 7031.6 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars (\$500.00.): = I am owner of the property, or my employees with wages as their sole compensation, will do the work and the structure is not intended or offered for sale (Sec. 7044, B. & P. C.: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. However, the building or improvement is sold within one year of completion, the owner-builder will have burden of proving that he did not build or improve for the purpose of sale.) = I am owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, B. & P. C.: The Contractors License Law does not apply to an owner of contracts for such projects with a Contractor's License pursuant to the Contractors License Law.) = I am exempt under Sec. <u> </u> B. & P. C. for this reason <u> </u> Date: <u>9/10/90</u> Owner: <u> </u> IMPORTANT- Application is hereby made to the Superintendent of Building and Safety for a permit subject to the conditions and restrictions set forth on the front faces of this application 1 Each person upon whose behalf this application is made and each person at whose benefit work is performed under or pursuant to any permit issued as a result of this application agrees to and shall indemnify and hold harmless the City of Long Beach its officers, agents and employees from any liability arising out of the issuance of any permit from this application. 2 Any permit issued as a result of this application becomes null and void if work is not commenced within ONE HUNDRED EIGHTY (180) DAYS from date of issuance of such permit.		I hereby affirm that I have a certificate of consent to self-insure or a certificate of worker's compensation insurance or a certified copy thereof. Policy No. <u> </u> Company <u> </u> Certified copy is being furnished <u> </u> Certified copy is filed with the Department of Building and Safety <u> </u> Date: <u>9/10/90</u> Applicant: <u> </u> CERTIFICATE OF EXEMPTION FROM WORKER'S COMPENSATION INSURANCE I certify that in the performance of the work for which this permit is issued I shall not employ any person in any manner so as to become subject to the Worker's Compensation Laws of California. Date: <u> </u> Applicant: <u> </u> NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to work's Comp. provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked. CONSTRUCTION LENDING AGENCY I hereby state that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 2867, Civ. C.). Lender's Name: <u> </u> Lender's Address: <u> </u> I certify that I have read this application and state that the above information is correct. I agree to comply with all City and State laws relating to the building construction and hereby authorize representatives of this city to enter upon the above mentioned property for inspection purposes. Signature of Owner or Contractor: <u> </u> Date: <u>9/10/90</u>		
JOB ADDRESS 940 W PACIFIC COAST HWY		RECEIPT NO. 0088000	DATE 09/10/90	PROJECT NO. C0085695
JOB DESCRIPTION DEMC HOTEL BLDG. TO GROUND LEVEL		AREA 12		
OWNER PATEL, BALUBHAI N		OCCUPANCY PLANNING		
ADDRESS 940 W PACIFIC COAST HWY		ASSESSOR NO. 7271017001		ZONE
CITY LONG BEACH CA 90813		FSB	RSB	CENSUS TR. 5754.00
APPLICANT PATEL, BALUBHAI N		TRANSACTIONS DEMOLITION Per \$72.50		
CONTRACTOR MERRILL KEVIN P CONSTRUCTION		PLUMBING Per \$18.50		
ADDRESS 5505 SEASIDE WK H		SURCHARGE \$4.26		
CITY LONG BEACH CA 90803		PHONE 213-439-0660		
STATE LICENSE NO. 487250		CITY LICENSE NO.		
ARCHITECT/ENGINEER		LICENSE NO.		

CITY OF

2

LONG BEACH

DEPARTMENT OF ENGINEERING

BUILDING INSPECTOR

Application To Alter, Repair or Demolish

Order's Number	4-208
Permit Number	2-3071
State License	11-23-43
City License	12-27-43

To the Department of Engineering of the City of Long Beach:

Application is hereby made to the Department of Engineering of the City of Long Beach, through the office of the Building Inspector, for a building permit in accordance with the description and for the purpose hereinafter set forth. This application is subject to the following conditions which are hereby agreed to by the undersigned applicant and which shall be deemed conditions entering into the terms of the permit:

First: That the permit does not grant any right or privilege to erect any building or other structure therein described, or any portion thereof, upon any street, alley, or other public place or portion thereof.

Second: That the permit does not grant any right or privilege to use any building or other structure therein described, or any portion thereof, for any purpose that is, or may hereafter be prohibited by ordinance of the City of Long Beach.

Third: That the granting of the permit does not affect or prejudice any claim of title to, or right of possession to, the property described in such permit.

(Use Ink or Indelible Pencil)

DESCRIPTION OF PROPERTY

Lot No. 7-8-9-10-11Block Tract Summit Villa Tr. #1Owner's Name HARRY COOPER Owner's Address 940 W. Coast HighwayContractor's Firm Name owner State License No. Contractor's Address City License No. Proposed Use of Building REFERENCE HANDED No. of Families 2 No. of Rooms 4Type of Construction of Existing Building 1" Siding Outside, Plaster insideNo. 940 W. Coast Highway LOCATION OF JOB AlwaysVALUATION OF PROPOSED WORK { "Value of a Building shall be the Estimated Cost to Replace the Building in Kind" } \$2500Engineer State Certificate No. Architect Present Use of Building VacantNumber of stories in height 1 Size of present building 30 x 32State number of buildings on lot 1 - 1 - 1 How used Motel Guest

State on following lines: state by what alterations, additions, etc., will be made to this building:

Buildings on Tract 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100Size of new addition 29' x 29' No. of stories in height 1 Kind of Roofing ShinglesMaterial of foundation Concrete Width of footings 18" Depth below ground 8"Size of Reinforced Concrete 2 x 6 Size of interior bearing studs 2 x 6Size of exterior studs 2 x 4 Size of interior non-bearing studs 2 x 4Size of first floor joists 2 x 6 Second floor joists 2 x 6

I have carefully examined and read the above application and know the same to be true and correct, and that, in doing this work, all provisions of Long Beach Ordinances and local laws will be complied with, whether herein specified or not. Also, in accordance with the Building Code, I hereby apply for a Certificate of Occupancy to be issued after all final inspections have been called for by me and have been made by the Department of Engineering.

All Applications must be filed out by the Applicant.

PLANS AND SPECIFICATIONS and other data must also be filed.

(Sign Here) Happy Cooper

NOTE—Turn over and file with book on other side

FOR DISTRICT ENGINEER USE ONLY

BOOK	P. E. No.	GROUP	ENTRANCES	CHECKED BY	INSURED BY
<u>C2</u>	<u>3</u>	<u>I</u>	<u></u>	<u></u>	<u></u>

			FILE NO.
ST. NO. 940 West State Street			DATE
LOT NO. Part of Lot 6 and Lots 7 and 8, 9 and 10			12/1/39
BLOCK			PERMIT NO.
TRACT Sunset Villa No. 1			B-4106
OWNER <u>Paula Estess</u>			
ADDRESS 940 West State St.			
CONTRACTOR			
ADDRESS			
USE OF BUILDING <u>Dwlg.</u>			
TYPE OF CONSTRUCTION 5			
DESCRIPTION OF BUILDING			
WIDTH 20	LENGTH 56	HEIGHT 18	
STORIES 2	ROOMS	FAMILIES 4	
TOTAL COST \$2,600		FEE \$6	
INSPECTION RECORD			
(This side of card is for final inspection only—see back for detailed inspection reports)			
DATE	INSPECTOR	FINAL INSPECTIONS	
12-7-39	<i>R. G. ...</i>	EXCAV. INSP.	
2-16-40	<i>R. G. ...</i>	FRAMING INSP.	
		PLASTERING INSP.	
		ROOFING INSP.	
		TILE INSP.	
7-6-40	<i>R. G. ...</i>	BUILDING COMPLETION	
5-6-40	<i>Smith</i>	PLUMBING INSP.	
3-6-40	<i>Harrison</i>	ELECTRICAL INSP.	
TEMP. C. OF O. NO.		Date	
FINAL C. OF O. NO.		Date	

ST. NO. 940 N. State St.		DATE	
LOT NO. 6 and 7		4-28-37	
BLOCK		PERMIT NO.	
TRACT Sunset Villa Tr. #1		G-586	
OWNER A. L. Eaton			
ADDRESS 1930 Cherry			
CONTRACTOR			
ADDRESS			
USE OF BUILDING Hotel & Cafe			
TYPE OF CONSTRUCTION			
DESCRIPTION OF BUILDING			
WIDTH	58	LENGTH	115
HEIGHT	18		
STORIES	2	ROOMS	16
TOTAL COST \$1,000.		FEE 10.00	
INSPECTION RECORD			
(This side of card is for final inspection only—see back for detailed inspection reports)			
DATE	INSPECTOR	FINAL INSPECTIONS	
1-12-37	R. G.	EXCAV. INSP.	
1-12-37	R. G.	FOUND. INSP.	
1-12-37	R. G.	PLASTERING INSP.	
4-12-37	R. G.	ROOFING INSP.	
1-12-37	R. G.	BUILDING COMPLETION	
12-16-37	Allen	PLUMBING INSP.	
4-21-37	Truman	ELECTRICAL INSP.	
TEMP. C. OF C. NO. 5346 Date 12-16-37			
FINAL C. OF C. NO. 5696 Date 4-21-38			

Butter heats
13 units
separation

CITY OF

2

LONG BEACH

DEPARTMENT OF ENGINEERING
BUILDING INSPECTOR

Application to Alter, Repair or Demolish

Cashier's Number
799
No.
\$ 2.00
Form's Number
46791
Date Received
10-5-48
Date Issued
10-5-48

To the Department of Engineering of the City of Long Beach:
Applicant hereby certifies that the Department of Engineering of the City of Long Beach, through the office of the Building Inspector, is a building permit to be issued with its description and for its purpose hereafter set forth. This application is made subject to the following conditions which are hereby agreed to by the undersigned applicant and which shall be deemed conditions entering into the issuance of the permit:
That the permit does not grant any right or privilege to erect any building or other structure therein described, or any portion thereof, upon any street, alley, or other public place or public ground.
Assured that the permit does not grant any right or privilege to use any building or other structure therein described, or any portion thereof, for any purpose that is, or may become, prohibited by ordinance of the City of Long Beach.
That the granting of the permit does not admit or prejudice any claim of title to, or right of possession to, the property described in said permit.

(Use Ink or Indelible Pen)
DESCRIPTION OF PROPERTY

Lot No. 6-7-8-9-10-11

Block _____ Tract Summit Villa Tract No. 1
Owner's Name M. C. Hall Owner's Address 940 W. Pacific Coast Highway
Contractor's Firm Name Burner State License No. _____
Contractor's Address _____ City License No. _____
Proposed Use of Building _____ No. of Families _____ No. of Rooms 50
or Structure Motel Rental
Type of Construction of Existing Building Brick

LOCATION OF JOB

940 W. Pacific Coast Highway, Long Beach Street

VALUATION OF PROPOSED WORK

Value of a Building (if any) _____
Estimated Cost to Replace the Building in Kind \$250.00

Engineer _____ State Certificate No. _____
Architect _____
Present Use of Building Motel Rental
Number of stories in height 2 Size of present building 12x12x20x40x50
State number of buildings on lot 1 How used Motel Rental
State on following lines exactly what alterations, additions, etc., will be made to this building:
Make Kitchen out of store room

Size of new addition _____ No. of Stories in height _____ Kind of Roof _____
Material of foundation _____ Width of footings _____ Depth below ground _____
Size of Railroad Mobile _____ Size of interior base in feet _____
Size of exterior studs _____ Size of interior mounting system _____
Size of floor joists _____ Second floor joists _____

I have carefully examined and read the above application and know the same to be true and correct, and that, in doing this, work, all provisions of Long Beach Ordinances and State Laws will be complied with, whether herein specified or not. Also, in accordance with the Building Code, I hereby apply for a Certificate of Occupancy to be issued after all final inspections have been called for by me and have been made by the Department of Engineering.

Applications must be filed out by the Applicant.

(Sign Here) M. C. Hall

PLANS AND SPECIFICATIONS

and other data must also be filed.

(Owner or Authorized Agent)

(ENTER TIME (over and over and blank on other side.)

FOR DEPARTMENTAL USE ONLY

PHONE	P. D. No.	GROUP	STAFF	CHECKED BY	ISSUED BY
0-2	3	H		L M	50' in kitchen

Keep combustible material 18" from furnace.

CITY OF

2

LONG BEACH

DEPARTMENT OF ENGINEERING BUILDING INSPECTOR

Application to Alter, Repair or Demolish

Cashier's Number
\$3.00
Receipt Number
48811
Date Received
2-25-47
Date Issued
2-25-47

In the Department of Engineering of the City of Long Beach.
 Application is hereby made to the Department of Engineering of the City of Long Beach, through the office of the Building Inspector, for a building permit in accordance with the description and for the purpose herein set forth. This application is made subject to the following conditions which are hereby agreed to by the undersigned applicant and which shall be deemed conditions precedent to the granting of the permit:
 First: That the permit does not grant any right or privilege to erect any building or other structure therein described, or any portion thereof, upon any street, alley, or other public place or within the limits of the same.
 Second: That the permit does not grant any right or privilege to use any building or other structure therein described, or any portion thereof, for any purpose prohibited by the provisions of the City of Long Beach.
 Third: That the granting of the permit does not affect or prejudice any claim of title to, or right of possession in, the property described in such permit.

(Use Ink or Indelible Pen)

DESCRIPTION OF PROPERTY

Lot No. 6 & 7 -

Block

Tract Sunset Villa Tract #1

Owner's Name M. C. Hall

Owner's Address 940 W. Pacific Coast Highway

Contractor's Firm Name Owner

State License

Contractor's Address

City License

Proposed Use of Building

or Structure

Motor car room No. of Family 1 No. of Rooms 1

Type of Construction of Existing Building

LOCATION OF JOB

No. 940 W. Pacific Coast Highway

Street

VALUATION OF PROPOSED WORK

Value of a Building Shall Be the
 Estimated Cost to Replace the
 Building in Kind.

\$1000

Engineer
 Architect

State Certificate No.

Present Use of Building

Motor car room

Number of stories in height

2

Size of present building 12' x 30'

State number of buildings on lot

one

How used Motor car room

State on following lines exactly what alterations, additions, etc., will be made to the building:

Change to 2 double rooms with bathroom and kitchen
 Change to 2 double rooms with bathroom and kitchen

Size of new addition

No. of Stories in height

2

Material of foundation

Width of ft. deep

Depth of ft. deep

Size of Redwood Members

Size of interior wall

Size of exterior wall

Size of interior floor joists

Size of first floor joists

Second floor joists

I have carefully examined and read the above application and know the same is true and correct, and I am doing this work in accordance with the provisions of Long Beach Ordinance and State Laws will be complied with, whether hereafter specified or not. Also in accordance with the Building Code, I hereby apply for a Certificate of Occupancy to be issued after all final inspections have been called for by me and have been made by the Department of Engineering.

All Applications must be filed out by the Applicant.

(Sign Here)

M. C. Hall

(Owner or Authorized Agent)

PLANS AND SPECIFICATIONS
 and other data must also be filed.

(NOTE: Turn over and fill out page 2 of other side.)

FOR DEPARTMENTAL USE ONLY

ZONE	F. D. No.	GROUP	SET-BACKS	CHECKED BY	FILED BY
C-2	3	H	None	Carey 2-25-47	Q. B. B.

C/O 4-30-48

CITY OF

2

LONG BEACH

DEPARTMENT OF ENGINEERING
BUILDING INSPECTOR

APPLICATION TO ALTER, REPAIR OR DEMOLISH

Cashier's Number 868
2.00 ⁰⁰
Permit Number 9231
Date Rec'd 8-27-45
Date Paid 8-29-45

To the Department of Engineering of the City of Long Beach:

Application is hereby made to the Department of Engineering of the City of Long Beach, through the office of the Building Inspector, for a building permit in accordance with the Ordinance and for the purpose mentioned herein. This application is made subject to the following conditions which are hereby agreed to by the undersigned applicant and which shall be deemed conditions binding upon the applicant:

First: That the permit does not grant any right or privilege to alter the building or other structure therein located, or any portion thereof, upon any street, alley, or other public place or portion thereof.

Second: That the permit does not grant any right or privilege to use any building or other structure therein located, or any portion thereof, for any purpose other than that for which it is permitted by ordinance of the City of Long Beach.

Third: That the granting of the permit does not effect or prejudice any claim of title to, or right of possession in, the property described in such permit.

(Use Ink or Indelible Pen-
DESCRIPTION OF PROPERTY

Lot No. 6-7-89-

Block _____ Tract Sunset Villa Tract No. 1
 Owner's Name Happy Cooper Owner's Address 940 W. Coast Highway
 Contractor's Firm Name _____ State License No. _____
 Contractor's Address _____ City License No. _____
 Proposed Use of Building or Structure Motel No. of Families _____ No. of Rooms _____

Type of Construction of Existing Building 2 story frame

LOCATION OF JOB

No. 940 W. Coast Highway StreetVALUATION OF PROPOSED WORK ("Value" of a Building Shall Be the Estimated Cost to Replace the Building in Kind) \$600.00

Architect _____ State Certificate No. _____

Engineer _____

Present Use of Building _____

Number of stories in height _____ Size of present building _____

State number of buildings on lot _____ How used _____

State on following lines exactly what alterations, additions, etc., will be made to this building:

Change 1st floor + windows in motel -2nd floor in planing in apt #36 for 2 beds - 1 bathroomwill be built in place of old building

Size of new addition _____ No. of stories in height _____

Material of foundation _____ Width of footings _____ Depth below ground _____

Size of exterior studs _____ Size of interior bearing studs _____

Size of first floor joists _____ Second floor joists _____

I have carefully read and read the above application and know the same is true and correct, and that, in doing this work, all provisions of Long Beach Ordinances and State Laws will be complied with, whether herein specified or not. Also, in accordance with the Building Code, I hereby apply for a Certificate of Occupancy to be issued after all final inspections have been made, for by me and have been made by the Department of Engineering.

All Applications must be filed out by the Applicant.

PLANS AND SPECIFICATIONS

and other data must also be filed

(Sign Here)

Happy Cooper

(NOTE—Turn over and fill out blank on other side.)

FOR DEPARTMENTAL USE ONLY

BOOK	P. D. NO.	GROUP	INT. SECTS	CHECKED BY	ISSUED BY
62	3	N.		<u>[Signature]</u>	<u>[Signature]</u>

C/O 3-20-47

APPLICATION FOR BUILDING PERMIT				APPLICATION FOR BUILDING PERMIT			
DEPARTMENT OF PLANNING AND BUILDING CITY OF LONG BEACH CALIFORNIA 90801 CALL 568-5108 TO REQUEST A 1/2 INSPECTION				JOB ADDRESS 940 W. PACIFIC COAST HWY.			
APPLICANT FILL IN ALL INFORMATION WITHIN HEAVY LINE				REPAIR AS PER S/S LETTER DATED JUNE 13, 1984			
JOB ADDRESS 940 W. PACIFIC COAST HWY.				CONTRACTOR OWNER			
LOT NO.	BLOCK NO.	TRACT		PAYMENT BY	PERMITS FEE	DATE RECEIVED	
				MOTEL	74	8-13-84	
OWNER'S NAME CHANDULAL P. BAGURHAI			CITY LIC. NO.	CITY LIC. NO. 594-0304			
MAIL ADDRESS 2170 CARLY COURT (714)			AREA/PHONE	AREA/PHONE 594-0304			
CITY ROWLAND HTS. 91748			STATE LIC. NO.	STATE LIC. NO. OWNER			
ADDRESS SAME			AREA/PHONE	AREA/PHONE SAME			
CITY	ZIP			CITY ROWLAND HTS.			
ARCHITECT/ENGINEER			STATE LIC. NO.	STATE LIC. NO. OWNER			
ADDRESS			AREA/PHONE	AREA/PHONE SAME			
CITY				CITY ROWLAND HTS.			
PRESENT BLDG. USE MOTEL			PROPOSED BLDG. USE SAME	THIS FORM IS A PERMIT WHEN PROPERLY VALIDATED IN THIS SPACE			
DESCRIPTION OF WORK REPAIR AS PER S/S LETTER DATED JUNE 13, 1984			VALIDATION SPACE CHK 1769 APD 8-13-84 4,000.00 5730 ALTER ENVIRONMENTAL PLANNING ENERGY 74 594-0304 1728				
BLDG. HEIGHT FT. 10'			NO. STORIES 1	NO. DWELLING UNITS 7	TOTAL AREA SQ. FT. -		
EXTERNAL EXTERIOR WALLS MATERIAL ROOF			CONDORNING UNIT ☐ YES ☐ NO				
VALUATION OF WORK COVERED BY THIS PERMIT 4,000.00			I hereby certify the information in this application is true and correct and that all Long Beach Ordinances and State Laws will be complied with in doing this work.				
SIGNATURE OF APPLICANT			This Permit & Accompanying Elec-Plumb-Mech Permits Become Void On 9/8/84 For Inspection Call 568-5328				
AUTHORIZED AGENT			FINAL PERMIT TO BE ISSUED BY 10:25 a.m. or 2-4:30 p.m.				

Certificate of Occupancy

As Authorized By The Building Official
City Of Long Beach

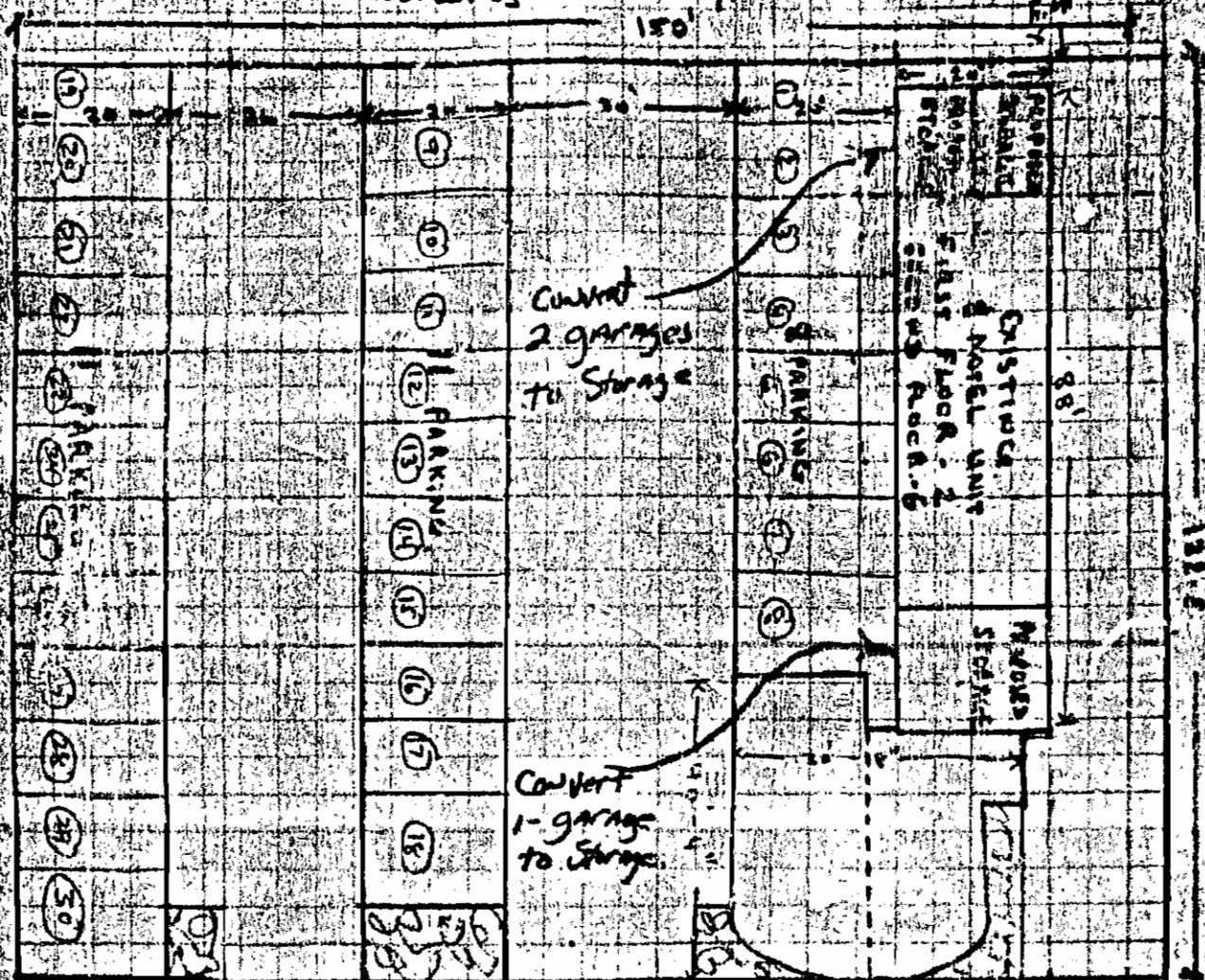
This document certifies that at the time of issuance this structure, or portion thereof, was in compliance with the various ordinances of the City of Long Beach regulating building construction or use.

Address 940 WEST PACIFIC COAST HWY.
Occupancy Type COMMERCIAL/MOTEL Permit No. 961
Portion of Building CONVERTING GARAGES TO STORAGE.
Max. Occupant Load _____
_____ 1719/84
_____ DATE

Post in a conspicuous place at or close to building entrance.

940 W - P.C. H.
Legal Description:- Lot 9, 10, 11 of Sunset Villa
 Tract No. 1 in the city of Long Beach
 County of L.A. State of Cal. as per map recorded in
 Book 10 page 11 of Maps in the office of the County
 Recorder of L.A. County.

Alter



SEE SOFT PENCIL AND OTHER HEAVY LINES.
 North arrow should be correctly placed.
 Show completely dimensioned Lot Plan.

PACIFIC COAST HWY
 Here's correct legal description used address of property.
 Note adjoining Streets or Avenues and width of Right of Way.
 Note Location of Right of Way Parking Space.

1-3-83
 Date Rec'd. Check One: New ☐ Alteration ☒ Addition ☐ Repair ☐ Demolition ☐

Location of Job 940 W. PACIFIC COAST HWY Long Beach, Cal. ML 2

Owner's Name CHANDUKAL & BABUNNAI PATEL Address 940 W. PACIFIC COAST HWY.

Lot 9, 10, 11 OF SUNSET VILLA

Map 10 Page 11 of Maps Tract 1 in the city of Long Beach

Contractor's Name OWNER Address 2070 CARLY COURT

Valuation Of Proposed Work \$ 450.00 Applicant CHANDUKAL PATEL Phone (314) 594-5304

RECEIVED BY: [Signature] Field Inspector Plan Clerk

ST. NO. 960 W. 14th St.
LOT NO. 12 & 13

FILE NO.

DATE

11-16-36
PERMIT NO.

BLOCK

TRACT Delta

F - 7461

OWNER A. E. Fickling Lumber Co.

ADDRESS 929 W. Anaheim St.

CONTRACTOR

ADDRESS

USE OF BUILDING Lumber Storage

TYPE OF CONSTRUCTION V

DESCRIPTION OF BUILDING

WIDTH 60 LENGTH 100 HEIGHT 20

STORIES 1 ROOMS FAMILIES

TOTAL COST 2,000.00 FEE 4.00

INSPECTION RECORD

(This side of card is for final inspection only—see back
for detailed inspection reports)

DATE	INSPECTOR	FINAL INSPECTIONS
		EXCAV. INSP.
		FRAMING INSP.
		PLASTERING INSP.
3-25-37	Kelly	ROOFING INSP. Kelly
7-7-37	Kelly	BUILDING COMPLETION
		PLUMBING INSP.
		ELECTRICAL INSP.

TEMP. C. OF O. NO.

Date

FINAL C. OF O. NO.

Date

ST. NO.	901 West 14th St.		DATE	
LOT NO.	48 incl.		10-17-29	
BLOCK	9		PERMIT NO.	
TRACT	#1 Town of Seabright		C 25045	
OWNER	City of Long Beach			
ADDRESS	205 City Hall			
CONTRACTOR				
ADDRESS				
USE OF BUILDING	Storage Shed			
CLASS OF BUILDING*				
DESCRIPTION OF BUILDING:				
WIDTH	34	LENGTH	94	HEIGHT
STORIES	ROOMS	PARTICLES		
TOTAL COST	\$3,000.		FEE	No. fee.
* STEEL, CONCRETE, MASONRY, WOOD, REPAIRS, DEMOLITION.				
INSPECTION RECORD				
DATE	INSPECTOR	REPORT		
		EXCAV. INSP.		
		FRAMING INSP.		
		PLASTERING INSP.		
11-3-29		FINAL INSP.		

ST. NO. 1401 San Francisco St.		DATE
LOT NO.		7-51-29
BLOCK		PERMIT NO.
TAXY		C 24112
OWNER City of Long Beach		
ADDRESS 205 City Hall		
CONTRACTOR		
ADDRESS		
USE OF BUILDING Municipal Garage Alter.		
CLASS OF BUILDING		
DESCRIPTION OF BUILDING		
WIDTH	LENGTH	HEIGHT
STORIES	ROOMS	PARKING
TOTAL COST \$5,000.		FEES \$10.00
* STEEL, CONCRETE, MASONRY, WOOD, REPAIRING, DEMOLISH.		

INSPECTION RECORD		
DATE	INSPECTOR	REPORT
		EXCAV. INSP.
		FOUND. INSP.
		PLASTERING INSP.
		FINAL INSP.

ST. NO. 1401 San Francisco St.		FILE NO.
LOT NO. 36 to 48 incl.		DATE 11-18-82
BLOCK 9	PERMIT NO.	
TRAIL: Town of Seabright	D 7324	
OWNER City of Long Beach		
ADDRESS City Hall		
CONTRACTOR		
ADDRESS		
USE OF BUILDING Carpenter Shop and Store Room		
TYPE OF CONSTRUCTION		
DESCRIPTION OF BUILDING		
WIDTH 40	LENGTH 40	MSD
STORIES	ROOMS	FAMIL. USE
TOTAL COST \$1,000.		FEE No fee
INSPECTION CARD		
DATE	INSPECTOR	REMARKS
		EXCAV. INS.
		FRAMING INS.
		PLASTERING INS.
		ROOFING INS.
		FINAL INS.

B.C. Rev. (5-57) APPLICATION FOR BUILDING PERMIT DEPARTMENT OF BUILDING AND SAFETY CITY OF LONG BEACH, CALIFORNIA HILMLOCK 2-9041 722 PACIFIC AVENUE APPLICANT FILL IN AREA BELOW				Job Address 1630 San Francisco Ave Owner Doty Bros. Owner Address Phone No.	
Job Address 1630 SAN FRANCISCO AVE Lot No. 9 to 24 Block No. 15 Town of SEABRIGHT Owner's Name DOTY BROTHERS Owner's Address		Bldg. Permit No. Zone M2A Date Rec. 7-25-58 Plan Cl. No.		Job Description 2 new metal storage bldg (existing slab)	
Contractor OWNER-BUILDER (LESSOR) Contractor's Address 1630 SAN FRANCISCO AVE. Architect/Engineer CHARLES STEWART State Lic. No. C1762		City Lic. No. F.D. Group F Set Back None		Checking Fee Rec. No. 4099 CF Checking Fee .24 Permit Fee .48	
Description of Job PIPE COLUMNS WITH CORRUGATED STEEL ROOF New Storage Bldg. (existing slab)		Validation Specimen ☐ C.L. ALL 25-58 1 4100 BP...48.00 ☐ M.O.		Reg. Inspect. Required ☐ Yes ☒ No	
Other Bldgs. on Lot? YES Bldg. 1 Height 12 ft. No. Stories 1 Area Sq. Ft. 2530		Minimum Distance from New Bldg. 150 ft.		How is present Bldg. Used? OFFICE + AUTO REPAIR	
Material-Exterior Walls ---		Material Roof CORR. STEEL		No. Families ---	
Valuation \$ 7500.00		Total Valuation \$ 7500.00		I have carefully examined and read the above application and know the same is true and correct, and that in doing this work, all provisions of Long Beach Ordinances and State Law will be complied with, whether herein practiced or not. Also in accordance with the Municipal Code, I hereby apply for a Certificate of Occupancy to be issued after all final inspections have been called for by me and have been made by the Dept. of Building & Safety.	
Signature of Applicant Charles Stewart Date 7-25-58		Certificate of Occupancy No. ---		Field Cl. By ---	
I certify that in the performance of the work for which this permit is issued I shall not employ any person in any manner so as to become subject to the Workmen's Compensation Laws of the State of California.		Plan Cl. Required ☐ Yes ☒ No		Plan Cl. No. ---	
THIS FORM WHEN PROPERLY VALIDATED IS A PERMIT TO DO THE WORK DESCRIBED		Remarks Double Check created prior to permit being received		Date 9-27-58	

Types of Construction
 Type 1—Fire Resistive
 Type 2—Heavy Timber
 Type 3—Ordinary Masonry
 Type 4—Metal Frame
 Type 5—Wood Frame

CITY OF

1

LONG BEACH

DEPARTMENT OF ENGINEERING
BUILDING INSPECTOR

Application for Building Permit

FOR TYPE NO. 5 BUILDING

Card No. 15600
Permit Number I-7055
Date Received 8-12-41
Date Issued 8-29-41

To the Department of Engineering of the City of Long Beach:

Application is hereby made to the Department of Engineering of the City of Long Beach, through the office of the Building Inspector, for a building permit in accordance with the description and for the purpose hereinafter set forth. This application is made subject to the following conditions which are hereby agreed to by the undersigned applicant and which shall be deemed conditions entering into the exercise of the permit:

First: That the permit does not grant any right or privilege to erect any building or other structure therein described, or any portion thereof, upon any street, alley, or other public place or portion thereof.

Second: That the permit does not grant any right or privilege to use any building or other structure therein described, or any portion thereof, for any purpose that is, or may hereafter be prohibited by ordinance of the City of Long Beach.

Third: That the granting of the permit does not effect or prejudice any claim of title to, or right of possession in, the property described in each permit.

(Use Ink or Indelible Pencil)

DESCRIPTION OF PROPERTY

Lot No. 15-16-17-18-19-20-21-22-23-24

Block 3

Tract Seabright

Owner's Name Wigan Joseph A. Way & Co. Owner's Address 7756 Santa Fe Ave

Contractor's Firm Name Atkins & Wiggins State License No. 35613

Contractor's Address 1221 Penn St City License No. 38866

Proposed Use of Building or Structure Shop No. of Families No. of Rooms

LOCATION OF JOB

No. 1630 San Francisco Ave Street

VALUATION OF PROPOSED WORK { "Value" of a Building Shall Be the }
 { Estimated Cost to Replace the } Shop 7000
 { Building in Kind. }

Architect } J. H. Davis State Certificate No.
 Engineer }

Any other buildings on lot 1630 How used Minimum distance from proposed new building

Size of proposed building 48 x 61 feet 2740
 Width Length Area of Foot Print

Height to highest point 25 feet. Number of stories in height 5

Material of exterior walls Frame & Stucco Material of Roof Asph

I have carefully examined and read the above application and know the same is true and correct, and that, in doing this work, all provisions of Long Beach Ordinances and State Laws will be complied with, whether herein specified or not. Also, in accordance with the Building Code, I hereby apply for a Certificate of Occupancy to be issued after all final inspections have been called for by me and have been made by the Department of Engineering.

All Applications must be filled out by the Applicant.

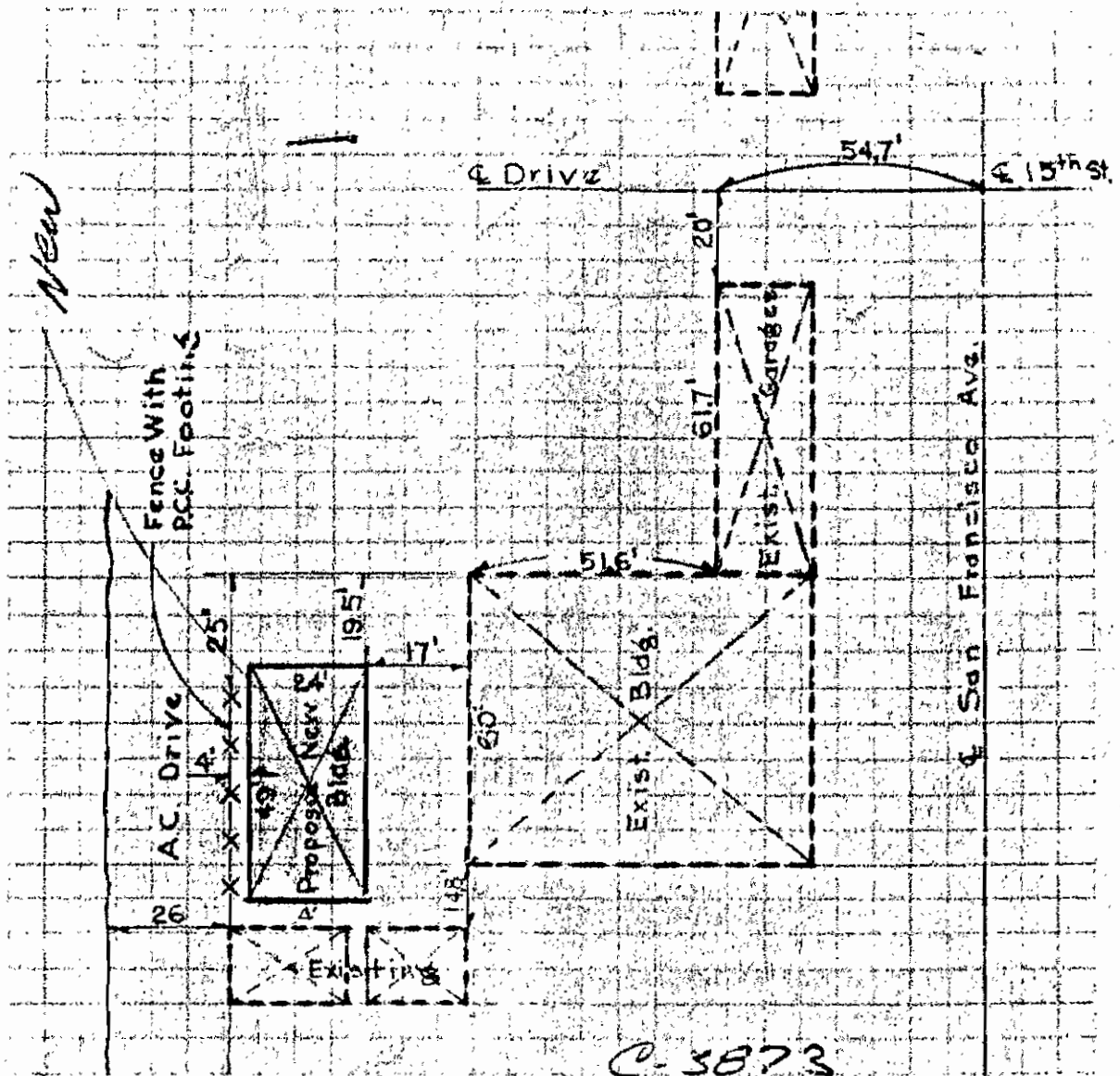
PLANS AND SPECIFICATIONS
 and other data must also be filed

(Sign Here) J. D. Atkins
 (Owner or Authorized Agent)
 (NOTE—Turn over and fill out blank on other side.)

FOR DEPARTMENTAL USE ONLY

ZONE	P. O. No.	GROUP	SET BACKS	CHECKED BY	ISSUED BY
<u>M2</u>	<u>4</u>	<u>F</u>	<u> </u>	<u>Atkins</u>	<u> </u>

COAO 11-18-41 COAO 11-18-41



C-3873

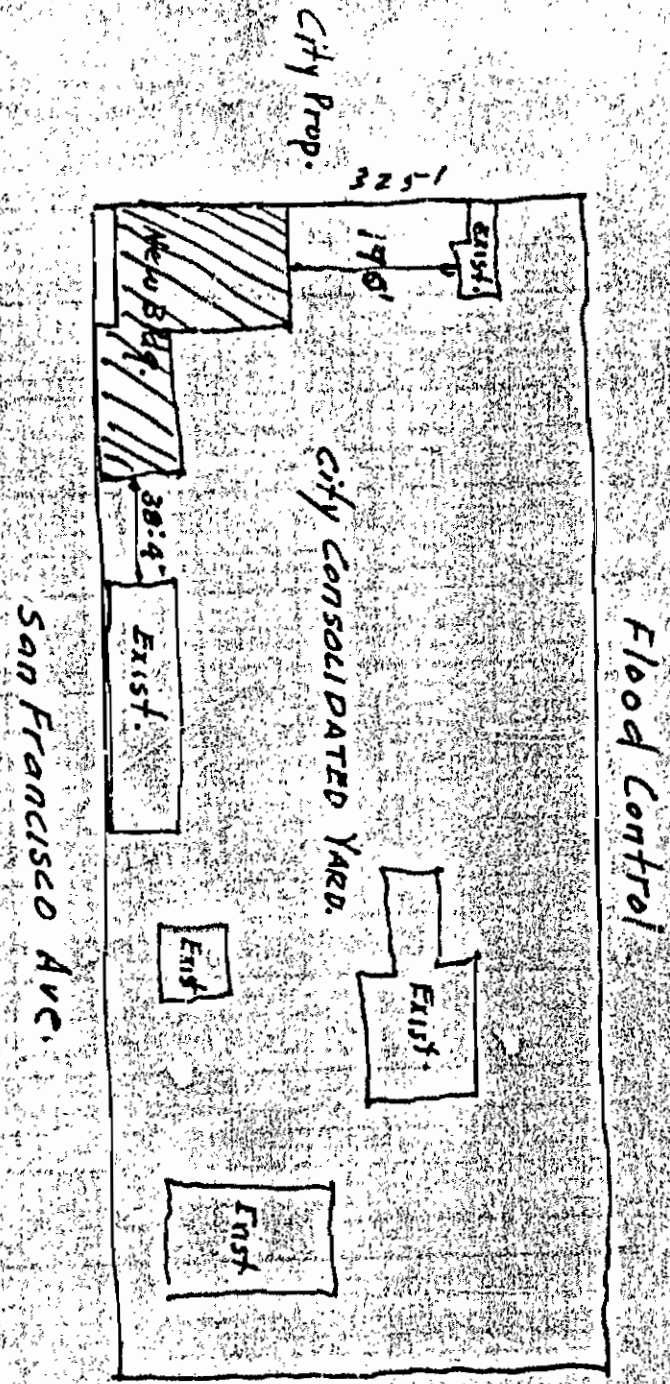
USE SOFT PENCIL AND DRAW HEAVY LINES.
North arrow should be correctly placed.
Draw completely dimensioned lot plan.

Have correct legal description and address of property.
Note adjoining streets & alleys and width of curb cuts.
Note location of each auto parking space.

Date Rec'd. 2-13-61 Check One: New Alteration Addition Repair Demolition
Location of Job C.R. Public Service Yard Zone M 2 A
Owner's Name City of Long Beach Address -
Lot City Property
Block - Tract -
Contractor's Name Carl Brown's Inc. Address 1166 Euclid Ave.
Valuation Of Proposed Work: \$ 4822.50 Applicant - Phone 433-0656
CHECKED BY: Counterman [Signature] Field Inspector - Plat. Checker -

[illegible][illegible]

PHOTO



Paint Shop & Vehicle Shed.
24'
5870"
325,000.
2%

John McFarrell

NOTICE

Separate permits required for the following work: Plastering, Roofing, Tile, Masonry, Plumbing, Electrical, Fences and Signs.
An owner, on his own single family dwelling, doing the work with his own hands, may take out a sub permit for Plastering, Roofing, Tile, Masonry and Fences only. All other type permits are required to be taken out by Long Beach licensed contractors.

DEPARTMENT OF BUILDING & SAFETY CITY OF LONG BEACH, CALIF.

Types of Construction
Type 1—Fire Resistive
Type 2—Heavy Timber
Type 3—Ordinary Masonry
Type 4—Metal Frame
Type 5—Wood Frame

Application for Building Permit

FOR TYPE NO. 1 BUILDING

CHECK ONE

New Bldg. or Structure ☒
Addition ☐
Demolition ☐

Alteration ☐
Repair ☐

PLEASE CHECK NO.

Cashier's Number
Checking Fee
Permit Fee
Permit Number
N-6530
Date Received
4-18-52
Date Issued
5-23-52

To the Department of Building and Safety of the City of Long Beach:

Application is hereby made to the Department of Building and Safety of the City of Long Beach, through the office of the Superintendent of Building, for a building permit in accordance with the description and for the purpose hereinafter set forth. This application is made subject to the following conditions which are hereby agreed to by the undersigned applicant and which shall be deemed conditions entering into the grant of the permit:

First: That the permit does not grant any right or privilege to erect any building or other structure therein described, or any portion thereof, upon any street, alley, or other public place or portion thereof.

Second: That the permit does not grant any right or privilege to use any building or other structure therein described, or any portion thereof, for any purpose that is or may hereafter be prohibited by ordinance of the City of Long Beach.

Third: That the granting of the permit does not effect or prejudice any claim of title to, or right of possession in, the property described in such permit.

(Use Ink or Indelible Pencil)
DESCRIPTION OF PROPERTY

Lot No. _____

Block Part of Block 10, B. 11212 Tract Town of Seabright

Owner's Name City of Long Beach Owner's Mailing Address City Hall

Contractor's Firm Name _____

Contractor's Address _____

City License No. _____

Present or Proposed Use of Building

or Structure Paint Shop & Vehicle Shed No. of Families _____ No. of Rooms 6

LOCATION OF JOB

No. 1601 San Francisco Ave.

Street

VALUATION OF PROPOSED WORK

("Value" of a Building Shall Be the Estimated Cost to Replace the Building in Kind.)

\$ 67,000.00

Architect J.H. Davies
Engineer

State Certificate No. C.E. #1380

State on following lines exactly what alterations, additions, etc., will be made to this building:

Any other buildings on lot? Yes How used Sheds & Warehouse Minimum distance 32'-4" from proposed new building

Size of proposed building or addition 121'-6" x 72'-0" feet, Area 5870'

Height to highest point 26' feet. Number of stories in height 1

Material of exterior walls Masonry Material of roof Composition

I have carefully examined and read the above application and know the same is true and correct, and that, in doing this work, all provisions of Long Beach Ordinances and State Laws will be complied with, whether herein specified or not. Also in accordance with the Building Code, I hereby apply for a Certificate of Occupancy to be issued after all final inspections have been called for by me and have been made by the Department of Building and Safety.

All applications must be filled out by the Applicant.

(Sign here) Jess P. Gilterson by John P. Gilterson
Owner or Authorized Agent

PLANS AND SPECIFICATIONS
and other data must also be filed.

(NOTE—Turn over and fill out blank on other side.)

FOR DEPARTMENTAL USE ONLY

ZONE	P. D. No.	GROUP	SET-BACKS	TAKEN BY	CHECKED BY	ISSUED BY
<u>N-A</u>	<u>---</u>	<u>E</u>	<u>---</u>	<u>CRB</u>	<u>[Signature]</u>	<u>[Signature]</u>

Types of Construction
 Type 1—Fire Resistive
 Type 2—Heavy Timber
 Type 3—Ordinary Masonry
 Type 4—Metal Frame
 Type 5—Wood Frame

CITY OF 1 **LONG BEACH**
DEPARTMENT OF BUILDING AND SAFETY
SUPERINTENDENT OF BUILDING

Application for Building Permit
 FOR TYPE NO. III BUILDING

Cashier's Number
Fee \$ <u>725.00</u>
Permit Number <u>M 6639</u>
Date Received <u>6-12-50</u>
Date Issued <u>6-16-50</u>

To the Department of Building and Safety of the City of Long Beach

Application is hereby made to the Department of Building and Safety of the City of Long Beach, through the office of the Superintendent of Building for a building permit in accordance with the description and for the purpose hereinafter set forth. This application is made subject to the following conditions which are hereby agreed to by the undersigned applicant and which shall be deemed conditions entering into the exercise of the permit:

- First That the permit does not grant any right or privilege to erect any building or other structure therein described, or any portion thereof, upon any street, alley, or other public place or portion thereof.
- Second That the permit does not grant any right or privilege to use any building or other structure therein described, or any portion thereof, for any purpose at or may hereafter be prohibited by ordinance of the City of Long Beach.
- Third That the granting of the permit does not affect or prejudice any claim of title to, or right of possession in, the property described in such permit.

(Use Ink or Indelible Pencil)
DESCRIPTION OF PROPERTY

Lot No. 10-11-12

Block _____ Tract Town of Springport Tract

Owner's Name City of Long Beach Owner's Address City Hall

Contractor's Firm Name _____ State License No. _____

Contractor's Address _____ City License No. _____

Proposed Use of Building or Structure Administration Building No. of Families _____ No. of Rooms _____

LOCATION OF JOB

No. 1601 San Francisco Ave. Street

VALUATION OF PROPOSED WORK

"Value" of a Building Shall Be the
 Estimated Cost to Replace the
 Building in Kind. \$45,250.00

Architect } J. H. Davies State Certificate No. _____
 Engineer }

Any other buildings on lot? Yes How used City Yard Minimum distance from proposed new building _____

Size of proposed building 50 x 50 feet 2500
 Width Length Area of First Floor

Height to highest point 14 feet. Number of stories in height 1

Material of exterior walls Concrete Material of roof Corrugated Metal

I have carefully examined and read the above application and know the same is true and correct and that, in doing this work, all provisions of Long Beach Ordinances and State Laws will be complied with, whether herein specified or not. Also in accordance with the Building Code, I hereby apply for a Certificate of Occupancy to be issued after all final inspections have been called for by me and have been made by the Department of Building and Safety.

All applications must be filled out by the Applicant.
 PLANS AND SPECIFICATIONS
 and other data must also be filed.

(Sign Here)

(Owner or Authorized Agent)

(NOTE—Turn over and fill out blank on other side.)

FOR DEPARTMENTAL USE ONLY

ZONE	F. D. No.	GROUP	SET-BACKS	TAKEN BY	CHECKED BY	ISSUED BY
<u>P</u>	<u>4</u>	<u>F</u>			<u>P/S</u>	

Types of Construction
 Type 1—Fire Resistive
 Type 2—Heavy Timber
 Type 3—Ordinary Masonry
 Type 4—Metal Frame
 Type 5—Wood Frame

CITY OF **1** LONG BEACH
 DEPARTMENT OF BUILDING AND SAFETY
 SUPERINTENDENT OF BUILDING

Application for Building Permit

FOR TYPE NO. **I** BUILDING

Cashier's Number
Fee \$ 720.00
Permit Number M-638
Date Received 6-12-50
Date Issued 6-16-50

To the Department of Building and Safety of the City of Long Beach:

Application is hereby made to the Department of Building and Safety of the City of Long Beach, through the office of the Superintendent of Building for a building permit in accordance with its description and for the purpose hereinafter set forth. This application is made subject to the following conditions which are hereby agreed to by the undersigned applicant and which shall be deemed conditions entering into the exercise of the permit:

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Second: That the permit does not grant any right or privilege to use any building or other structure therein described, or any portion thereof, for any purpose that is or may hereafter be prohibited by ordinance of the City of Long Beach.

Third: That the granting of the permit does not affect or prejudice any claim of title or of right of possession in the property described in such permit.

(Use Ink or Indelible Pencil)

DESCRIPTION OF PROPERTY

Lot No. **10-11-12**

Block _____ Tract **Town of Seabright Tr.**

Owner's Name **City of Long Beach** Owner's Address **City Hall**

Contractor's Firm Name _____ State License No. _____

Contractor's Address _____ City License No. _____

Proposed Use of Building or Structure **Vehicle Storage & Repair** No. of Families **None** No. of Rooms _____

No. **1601 S. Main St. (N. 15th Ave.)** LOCATION OF JOB Unit # **17**, 25'x101' = \$ **9,500**
 Unit # **15**, 20'x141' = \$ **18,850**
 Unit # **16**, 25'x242' = \$ **36,400** Street

VALUATION OF PROPOSED WORK { "Value" of a Building Shall Be the Estimated Cost to Replace the Building in Kind. } \$ **64,750**

Architect/Engineer **J. H. [Signature]** State Certificate No. _____

Any other buildings on lot? _____ How used **Vehicle Storage** Minimum distance from proposed new building _____

Size of proposed building _____ feet _____ feet _____ feet
 Width Length Area of First Floor

Height to highest point _____ feet. Number of stories in height **1**

Material of exterior walls **Concrete** Material of roof **Asphalt Shingles**

I have carefully examined and read the above application and know the same is true and correct, and that in doing this work, all provisions of Long Beach Ordinances and State Laws will be complied with, whether herein specified or not. And in accordance with the Building Code, I hereby apply for a Certificate of Occupancy to be issued after all final inspections have been called for by me and have been made by the Department of Building and Safety.

All applications must be filled out by the Applicant.

PLANS AND SPECIFICATIONS
 and other data must also be filed.

(Sign Here)

(Owner or Authorized Agent)

(NOTE—Turn over and fill out blank or other side.)

FOR DEPARTMENTAL USE ONLY

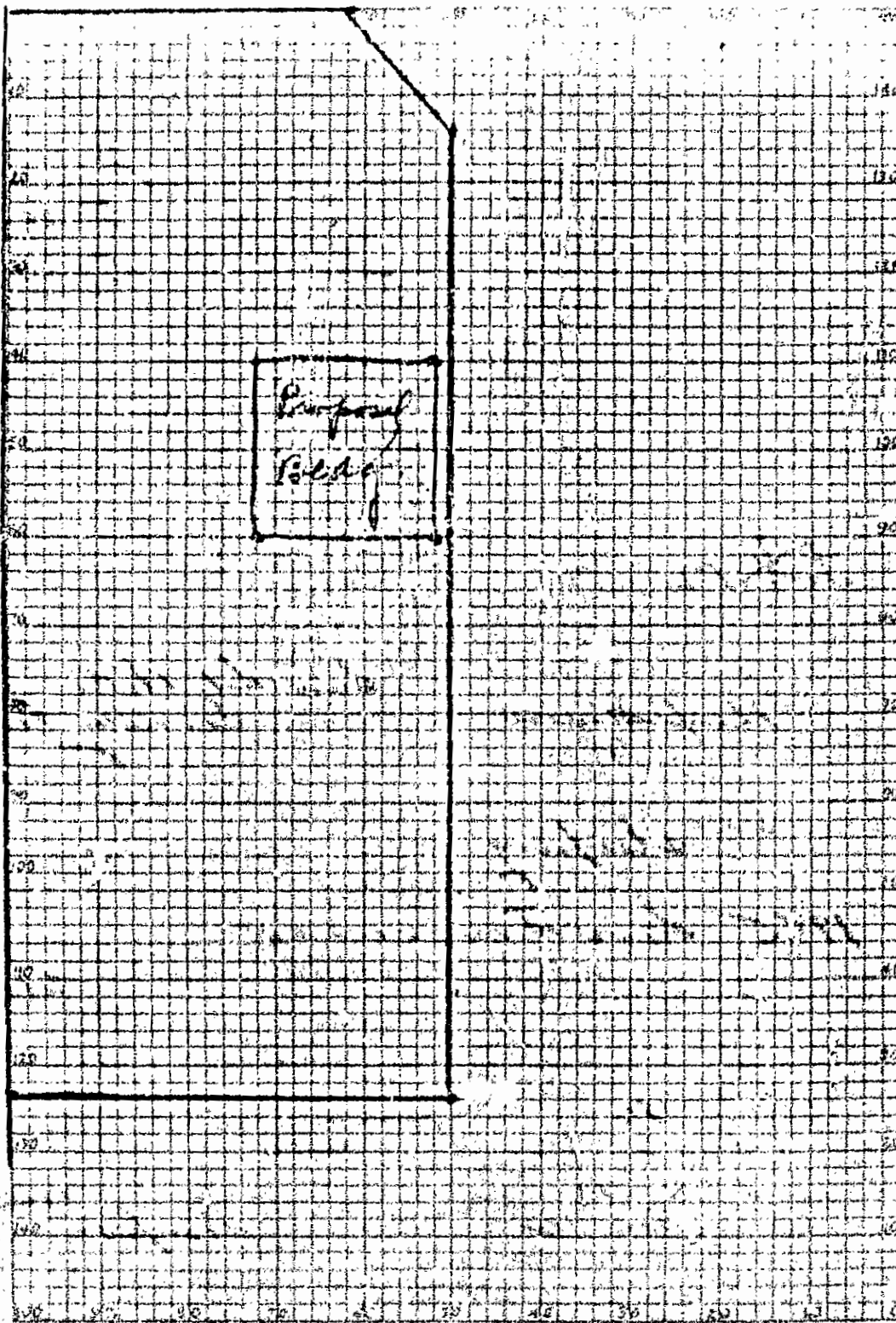
ZONE	P. D. No.	GROUP	SET-BACKS	TAKEN BY	CHECKED BY	ISSUED BY
P	4	E				

		FILE NO.
ST. NO.	1449 San Francisco	DATE
LOT NO.		5-26-39
BLOCK		PERMIT NO.
TRACT		F-384
OWNER City of Long Beach		
ADDRESS		
CONTRACTOR		
ADDRESS		
USE OF BUILDING Bunkers & Truck Shed		
TYPE OF CONSTRUCTION		
DESCRIPTION OF BUILDING		
WIDTH	LENGTH	HEIGHT
STORIES	ROOMS	FAMILIES
TOTAL COST	\$10,000	PER None

INSPECTION RECORD
(This side of card is for final inspection only—see back for detailed inspection reports)

DATE	INSPECTOR	FINAL INSPECTIONS
		EXC-AV. INSP.
		FRAMING INSP.
		PLASTERING INSP.
		ROOFING INSP.
		BUILDING COMPLETION
		PLUMBING INSP.
		ELECTRICAL INSP.

TEMP. C. OF O. NO.	Date
FINAL C. OF O. NO.	Date



Direct Address 11765 Southwest Slipping Run

122
6100

Size of Building *Sleeping Room*
 Height of Building *10*
 Area of Building *400 sq ft*
 Area of lot *6000 sq ft*
 Area of Occupancy *400 sq ft*
near street

State of California
County of Los Angeles
AFFIDAVIT OF
Det. Hough, and Al

Neal Stone
 10000 1st St. N.E.
 Seattle, Wash. 98108
 206-325-1234

Types of Construction
 Type 1—Fire Resistive
 Type 2—Heavy Timber
 Type 3—Ordinary Masonry
 Type 4—Metal Frame
 Type 5—Wood Frame

CITY OF

1

LONG BEACH

DEPARTMENT OF ENGINEERING

BUILDING INSPECTOR

Application for Building Permit

FOR TYPE NO. 5 BUILDING

Cashier's Number
<u>2.00</u>
Permit Number
<u>2.4269</u>
Date Received
<u>5-24-44</u>
Date Issued
<u>5-24-44</u>

To the Department of Engineering of the City of Long Beach:

Application is hereby made to the Department of Engineering of the City of Long Beach, through the office of the Building Inspector, for a building permit in accordance with the description and for the purpose hereinafter set forth. This application is made subject to the following conditions which are hereby agreed to by the undersigned applicant and which shall be deemed conditions entering into the issuance of the permit:

First: That the permit does not grant any right or privilege to erect any building or other structure therein described, or any portion thereof, upon any street, alley, or other public place or portion thereof.

Second: That the permit does not grant any right or privilege to use any building or other structure therein described, or any portion thereof, for any purpose that is, or may hereafter be prohibited by ordinance of the City of Long Beach.

Third: That the granting of the permit does not affect or prejudice any claim of title to, or right of possession in, the property described in such permit.

(Use Ink or Indelible Pencil)

DESCRIPTION OF PROPERTY

Lot No. 2812

Block

Tract San Nella & Tract

Owner's Name Neaf Stivers

Owner's Address Landsey Calif.

Contractor's Firm Name same

State License No.

Contractor's Address

City License No.

Proposed or Str.

Use of Building sluicing

No. of Families

No. of Rooms one

LOCATION OF JOB

No. 1785

San Francisco

Street

VALUATION OF PROPOSED WORK

"Value" of a Building Shall Be the Estimated Cost to Replace the Building in Kind. \$ 200.

Architect }
 Engineer }

State Certificate No.

Any other buildings on lot? No.

How used

Maximum distance

from proposed new building

Size of proposed building 20 x 20 feet

Width

Length

1200

Area of First Floor

Height to highest point 11 feet

Number of stories in height one

Material of exterior walls Frame

Material of Roof asph.

I have carefully examined and read the above application and know the same is true and correct, and that, in doing this work, all provisions of Long Beach Ordinances and State Laws will be complied with, whether herein specified or not. Also, in accordance with the Building Code, I hereby apply for a Certificate of Occupancy to be issued after all final inspections have been called for by me and have been made by the Department of Engineering.

All Applications must be filled out by the Applicant.

PLANS AND SPECIFICATIONS and other data must also be filed

(Sign Here)

Neaf Stivers
 (Owner or Authorized Agent)

(NOTE—Turn over and fill out blank on other side.)

FOR DEPARTMENTAL USE ONLY

ZONE	F. D. No.	GROUP	REV-BACKS	CHECKED BY	ISSUED BY
<u>62</u>	<u>3</u>	<u>2</u>			<u>Kennedy</u>

31-51 Carey

BC-1 Rev. (4-59)

APPLICATION FOR BUILDING PERMIT

DEPARTMENT OF BUILDING AND SAFETY
CITY OF LONG BEACH, CALIFORNIA 90802
425-3435

APPLICANT FILL IN AREA BELOW

Job Address 1645 San Francisco St		Bldg. Permit No.	
City Long Beach			
Lot No. 47 & 48			
Block No. 12	Tract 1st Tract of Subdiv.		
Owner's Name CITY OF LONG BEACH		Phone No.	
Owner's Address CITY HALL, LONG BEACH			
Contractor MARGATE CONSTR. CO., INC.		City Lic. No. 40898	
Contractor's Address P.O. Box 207, Wilmington		Phone No. 775-2731	
Architect/Engineer CITY OF LONG BEACH		State Lic. No.	
Present Bldg. Use —		Proposed Bldg. Use PUMP STATION	
Description Of Work			
REINF CONCRETE SUBSTRUCTURE & MASONRY SUPERSTRUCTURE			
Bldg. Height Ft. 12'-8"	No. Stories 1	Total Area Sq. Ft. 1500	
Material Exterior Walls MASONRY		Material Roof REINF CONCRETE	
Valuation \$ 133,000.00		No. Families —	
Will this be a condominium? No		Yes ☐ No ☒	
State Certificate License No. 24887 Class A			
I hereby certify the information in this application is true and correct and that all Long Beach Ordinances and State Laws will be complied with in doing this work. Also, I hereby apply for a Certificate of Occupancy in accordance with the requirements of the Long Beach Municipal Code.			
Signature of Applicant W. F. Sample		Date 5-28-68	
I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workmen's Compensation Laws of the State of California.			
Signature W. F. Sample		Date 5-28-68	

Job Address 1645 San Francisco St		Type Const. 3
Owner City of Long Beach	Phone No.	Bldg.
Owner Address 205 W. Robert		Valuation
Contractor Margate Const Co	Phone No.	Height
Job Description Pump Station		Area
		Seig.
		Heat
Present Bldg. Use		Proposed Bldg. Use
Zone M-4	Date Rec. 5-28-68	Plan Cl. No.
F.D.	W.C. Fee	Checking Fee Rec. No. 6323PF
Group F	Taken By J.M.	Checking Fee \$124.25
Set Back None	Issued By J.M.	Permit Fee \$248.00

CITY OF LONG BEACH
MAY 28-68 1 6324 BP...248.50

Reg. Inspection Required ☒ Yes ☐ No			
Trench		Tile Final	
Soil		Plaster Final	
Roof Shig.		Heating Final	
Roof Final		Refrig. Final	
Heating Rough		Masonry Final	10-21-68 Long Beach
Refrig. Rough		Bldg. Final	
Framing		Cert. of Occupancy	
Loth		Field Cl. By	
Brown Coat		Plan Cl. Req'd.	Yes ☐ No ☐
Tile Rough		Plan Cl. By	Sample
Remarks			
Job Completed or inspected by engineering division			

Types of Construction
 Type 1—Fire Resistive
 Type 2—Heavy Timber
 Type 3—Ordinary Masonry
 Type 4—Metal Frame
 Type 5—Wood Frame

CITY OF 1 LONG BEACH
DEPARTMENT OF ENGINEERING
BUILDING INSPECTOR
Application for Building Permit

FOR TYPE NO. 1 BUILDING

Cashier's Number
Fee <u>2.00</u>
Permit Number <u>Sh 6580</u>
Date Received
Date Issued <u>7-29-41</u>

To the Department of Engineering of the City of Long Beach:

Applicant to hereby make to the Department of Engineering of the City of Long Beach, through the office of the Building Inspector, for a building permit in accordance with the description and for the purpose hereinafter set forth. This application is made subject to the following conditions which are hereby agreed to by the undersigned applicant and which shall be deemed conditions entering into the exercise of the permit:

First: That the permit does not grant any right or privilege to erect any building or other structure therein described, or any portion thereof, upon any street, alley, or other public place or easement thereof.

Second: That the permit does not grant any right or privilege to use any building or other structure therein described, or any portion thereof, for any purpose that is, or may hereafter be prohibited by ordinance of the City of Long Beach.

Third: That the granting of the permit does not affect or prejudice any claim of title or right of possession in the property described in such permit.

(Use Ink or Indelible Pencil)

DESCRIPTION OF PROPERTY

Lot No. 1 to 12 incl

Block 12 Tract Don J. Seabright

Owner's Name City of Long Beach Owner's Address City Hall

Contractor's Firm Name W. E. Tucker State License No. 6619

Contractor's Address 913 1/2 Ave. Ar. City License No.

Proposed Use of Building or Structure Warehouse No. of Families No. of Rooms

LOCATION OF JOB

No. 1643 San Francisco Street

VALUATION OF PROPOSED WORK { "Value" of a Building Shall Be the Estimated Cost to Replace the Building in Kind. } \$ 14,500

Architect Engineer } State Certificate No.

Any other buildings on lot? How used Minimum distance from proposed new building

Size of proposed building 60 x 112 feet

Height to highest point 14 feet. Number of stories in height

Material of exterior walls Concrete Material of Roof Gypsum

I have carefully examined and read the above application and know the same is true and correct, and that, in doing this work, all provisions of Long Beach Ordinances and State Laws will be complied with, whether herein specified or not. Also, in accordance with the Building Code, I hereby apply for a Certificate of Occupancy to be issued after all final inspections have been called for by me and have been made by the Department of Engineering.

All Applications must be filled out by the Applicant.

PLANS AND SPECIFICATIONS

and other data must also be filed

(Sign Here)

W. E. Tucker
 (Owner or Authorized Agent)

(NOTE—Turn over, and fill out blank on other side.)

FOR DEPARTMENTAL USE ONLY

ZONE	F. D. No.	GROUP	SETBACKS	CHECKED BY	ISSUED BY

110 inspection

APPLICATION FOR BUILDING PERMIT
 DEPARTMENT OF PLANNING AND BUILDING
 CITY OF LONG BEACH, CALIFORNIA 90801
 (SEE INSTRUCTIONS TO APPLICANT ON REVERSE SIDE)
 APPLICANT FILL IN ALL INFORMATION WITHIN HEAVY LINE

1601 San Francisco Ave. L.A. CA.

CITY OF LONG BEACH

333 W. OCEAN BL. 2ND

LONG BEACH CA 90802 570-4313

UNIVERSAL COMMUNICATION SYSTEMS INC. 066030

1401 Municipal Rd N.W. 703

ROCKDALE VA 24012 302-3701

Public Service Hqs. Same

Telephone System Improvement

INCLUDING SITE WORK, MECHANICAL

(HUB) ACCESS Door Security

SYSTEM, ALARM FIRE PROTECT AL

SYSTEM FOR CITY OF LONG BEACH

FINANC SPECIFICATION R. 5437

330-472

APPLICATION FOR BUILDING PERMIT

1601 San Francisco Ave

Telephone System Improvement

INCLUDING SITE WORK, MECHANICAL

(HUB) ACCESS Door Security

System, Alarm Fire Protection

System

Universal Communication Systems 31230

Public Service Hqs. Same

1-1-86 11-2-84 80

330-472 Alter

C-247 3150

5754 AD

THIS IS A PLANT WITH PROPERTY LOCATED IN THE SPACE

11-4 11-8715-11-127567

1013-13

1192-20

1013-13

1192-20

BL-125 REV. 8/11/66

CITY OF LONG BEACH
DEPARTMENT OF BUILDING AND SAFETY
ROOM 105 - CITY HALL
LONG BEACH 2, CALIFORNIA

CHANGE OF ADDRESS

Lot 1 - 8 & L & S 41 - 48
↓ ↓
Block _____
Tract DELTA TRACT - TOWN OF SEABRIGHT
Dept. PLANNING AND BUILDING Date: 02-09-83
FROM 1317 SAN FRANCISCO
TO 901 WEST ANAHEIM CHANGE ADDRESS FOR
CONVENIENCE IN LOCAL
TOW SERVICE.
Bldg. Permit No. 8800 Proposed Use of Bldg. OFFICE
LOCATION: ONLY BLDG. ON LOT _____ REAR OF EXIST. BLDG. _____ FRONT OF BLDG. X
UPSTAIRS _____ DOWNSTAIRS _____

Clark Lee
BUILDING INSPECTOR

CITY OF LONG BEACH

PLANNING & BUILDING
DEPARTMENT

333 W. OCEAN BLVD.
(310) 570-6651

INSPECTION REQUEST LINE (310) 575-6105

LICENSED CONTRACTORS DECLARATION		WORKER'S COMPENSATION DECLARATION	
I hereby affirm that I am licensed under provisions of Chapter 8 of the City of Long Beach, California, and my license is in full force and effect. License Class: _____ License No: _____ Date: _____ Contractor: _____ OWNER-BUILDER DECLARATION I hereby affirm that I am exempt from the Contractors License Law for the following reason (Sec 7031 California Business and Professional Code): Any City which requires a permit to construct, alter, improve, demolish or repair any structure prior to its issuance also requires the applicant for such permit to file a signed statement that he is a licensed contractor pursuant to the provisions of the Contractors License Law (Sec 7031 of Div 3 of the B & P C) or that he is exempt therefrom and the basis for the alleged exemption. Any violation of Sec 7031 & 7032 of the Contractors License Law is subject to a civil penalty of not more than five hundred dollars (\$500.00). I am owner of the property or my employees with wages as their sole compensation will do the work on the structure is not intended or altered for sale (Sec 7044, B & P C). The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that work improvements are not intended or altered for sale. However, the building or improvements is sold within one year of completion, the owner-builder will have burden of proving that he did not build or improve for the purpose of sale. I am owner of the property, am personally contracting with licensed contractors to construct the project (Sec 7044, B & P C). The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that work improvements are not intended or altered for sale. However, the building or improvements is sold within one year of completion, the owner-builder will have burden of proving that he did not build or improve for the purpose of sale. I am not exempt under Sec. _____ B & P C. My reason is: _____ INSURANCE Application is hereby made to the Superintendent of Building and Safety for a permit subject to the conditions and restrictions set forth on the front faces of this application. 1. Each person upon whose behalf this application is made and each person at whose behalf work is performed under or pursuant to any permit issued as a result of this application agrees to and shall indemnify and hold harmless the City of Long Beach its officers, agents and employees from any liability arising out of the issuance of any permit from this application. 2. Any permit issued as a result of this application becomes null and void if work is not commenced within one hundred eighty (180) days from date of issuance of such permit.		I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance policy no: Carrier: <u>Chas. Kelly</u> Number: _____ (This Section need not be completed if the permit is for one hundred dollars (\$100) or less.) I affirm that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with State provisions. Date: _____ Signature: <u>BTJ</u> WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS, IN ADDITION TO THE COST OF COMPENSATION DAMAGES, AS PROVIDED FOR IN SECTION 3700 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES. I hereby affirm that there is a construction, loading agency for the performance of the work for which this permit is issued (Sec. 2507, P.C.). Loader's Name: _____ Loader's Address: _____ I certify that I have read this application and state that the above information is correct and I agree to comply with all City and State laws relating to the building construction and hereby authorize representatives of this City to enter upon the above mentioned property for inspection purposes. Signature of Owner or Contractor: <u>BTJ</u> Date: _____	
JOB ADDRESS 1601 SAN FRANCISCO AVE		RECEIPT NO. 0181861 DATE 01/12/96 PROJECT NO. C0185939	
JOB DESCRIPTION CONV. POP. OF STORAGE BLDG. INTO TRAFFIC SIGNAL OFFICE (725045)		AREA 12	
OWNER L. B. PUBLIC SERVI		DEFINITION PLANNING	
ADDRESS 1601 SAN FRANCISCO AVE		ASSIGNMENT NO. 7271007902 DATE 02/10/95 GR	
CITY LONG BEACH CA 90813		PER 5754.00	
APPLICANT ORDONEZ, ALEX F		TRANSITION	
CONTRACTOR PUBLIC WORKS (TRAFFIC SIGNAL)		BUILDING Per \$405.75	
ADDRESS 333 W OCEAN BLVD		ELECTRICAL Per \$175.00	
CITY LONG BEACH CA 90802		PLUMBING Per \$61.50	
STATE LICENSE NO. 541504		MECHANICAL Per \$77.53	
ARCHITECT/ENGINEER		MECH PLAN CK Per \$23.40	
ARCHITECT/ENGINEER		PLRG PLAN CK Per \$18.00	

Types of Construction
 Type 1—Fire Resistive
 Type 2—Heavy Timber
 Type 3—Ordinary Masonry
 Type 4—Metal Frame
 Type 5—Wood Frame

CITY OF **1** LONG BEACH

DEPARTMENT OF ENGINEERING
BUILDING INSPECTOR
 Application for Building Permit

FOR TYPE NO. **5** BUILDING

Permit Number 7-7055
Date Received 8-12-41
Date Issued 8-29-41

To the Department of Engineering of the City of Long Beach:

Applicant hereby certifies to the Department of Engineering of the City of Long Beach, through the office of the Building Inspector, for a building permit as submitted with the drawings and for the purpose hereinafter set forth. This application is made subject to the following conditions which are hereby agreed to by the undersigned applicant and which shall be deemed conditions running with the issuance of the permit:

First: That the permit does not grant any right or privilege to erect any building or other structure therein described, or any portion thereof, upon any street, alley, or other public place or portion thereof.

Second: That the permit does not grant any right or privilege to use any building or other structure therein described, or any portion thereof, for any purpose that is, or may hereafter be prohibited by ordinance of the City of Long Beach.

Third: That the granting of the permit does not affect or prejudice any claim of title to, or right of possession to, the property described in such permit.

(Use Ink or Indelible Pencil)

DESCRIPTION OF PROPERTY

Lot No. **15-16-17-18-19-20-21-22-23-24**

Block **3** Tract **Seabright**
 Owner's Name **Wiggin Trust A. W. Co.** Owner's Address **7756 Santa Fe Ave**
 Contractor's Firm Name **Alfred J. Wiggins** State License No. **35613**
 Contractor's Address **1221 Penn St.** City License No. **38866**
 Proposed Use of Building or Structure **Shop** No. of Families **1** No. of Rooms **1**

LOCATION OF JOB

No. **1530** **San Francisco Ave** Street

VALUATION OF PROPOSED WORK "Value" of a Building Shall Be the Estimated Cost to Replace the Building in Kind. **\$3000**

Architect **J. H. Davis** State Certificate No. **1**
 Engineer **J. H. Davis**

Any other buildings on lot? **No** How used **Minimum distance from proposed new building.**

Size of proposed building **44 x 61** feet **2744**
 Area of First Floor

Height to highest point **25** feet. Number of stories in height **1**

Material of exterior walls **Frame & Stucco** Material of Roof **Comp.**

I have carefully examined and read the above application and know the same is true and correct, and that, in doing this work, all provisions of Long Beach Ordinances and State Laws will be complied with, whether herein specified or not. Also, in accordance with the Building Code, I hereby apply for a Certificate of Occupancy to be issued after all final inspections have been called for by me and have been made by the Department of Engineering.

All Applications must be filled out by the Applicant.

PLANS AND SPECIFICATIONS
 and other data must also be filed

(Sign Here) **J. D. Atkins**
 (Owner or Authorized Agent)

(NOTE—Turn over and fill out blank on other side.)

FOR DEPARTMENTAL USE ONLY

ZONE	P. D. N.	GROUP	SET BACKS	CHECKED BY	ISSUED BY
M2	4	F		Atkins	J. H. Davis

2020 11-18-41

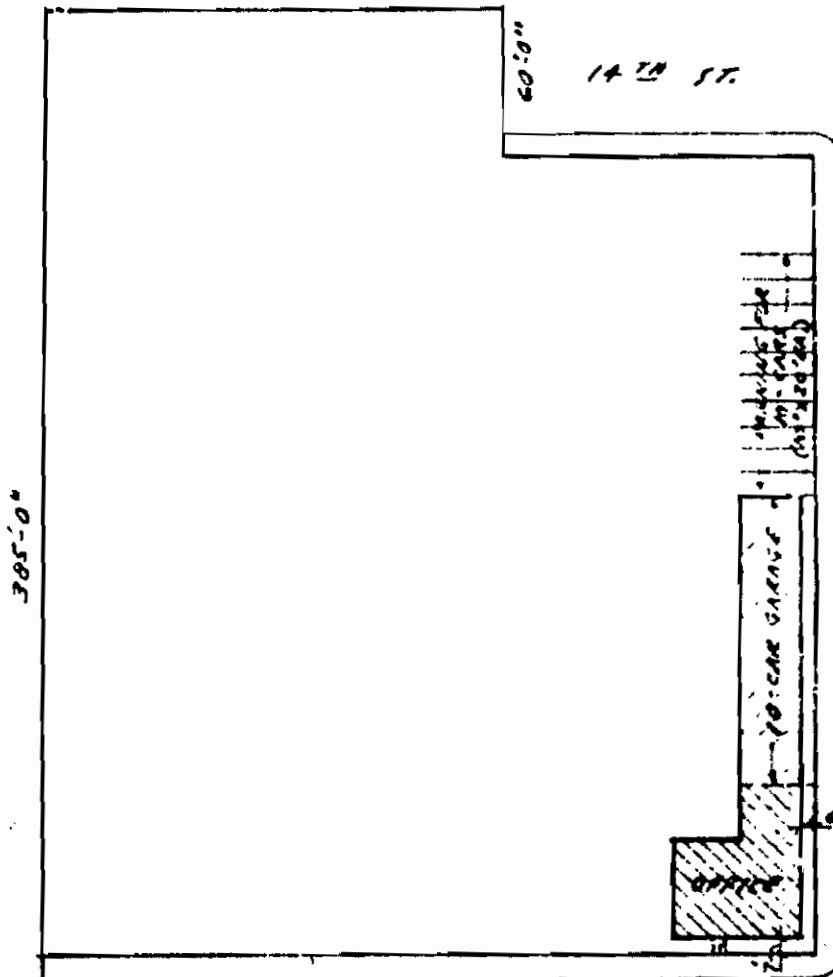
APPLICATION FOR BUILDING PERMIT DEPARTMENT OF BUILDING AND SAFETY CITY OF LONG BEACH, CALIFORNIA 190-1000 4-1961 222 PACIFIC AVENUE APPLICANT FILL IN AREA BELOW				Job Address 1630 San Francisco Ave Type Cont. 4	
Job Address 1630 SAN FRANCISCO AVE Lot No. 9 to 24 Bldg. Permit No.				Owner John Ross Phone No.	
Part No. 3 Part TOWN OF SEABRIGHT Owner's Name DOTY BROTHERS Owner's Address				Contractor Owner Phone No.	
City Loc. No. OWNER-BUILDER (LESSOR) 1630 SAN FRANCISCO AVE. Architect/Engineer JAMES STEWART CH162 Description of Job PIPE COLUMNS WITH CORRUGATED STEEL ROOF New - 1st floor bldg. (existing slab)				Job Description New - 1st floor bldg. (existing slab)	
Zone M2A Date Rec. 7-25-58 Plan Ch. No.		F.B. W.C. Im. Checking Fee Rec. No. 4099 CF Group F Telen By 1st fl. Checking Fee 24 Set Back 1st fl. Insured By 2nd fl. Permit Fee 48		Validation Space ☐ A ML 25-58 ± 4100 BP***48.00 ☐ M.O.	
Other Bldg. on Lot? YES Minimum Distance from New Bldg. 150 FT. OFFICE + AUTO BAY Bx 1 Hx 12 FT. No. Stories 1 Area Sq. Ft. 2530 Material Exterior Walls - Material Roof CORR STEEL No. Families - Valuation \$ 17500		Reg. Inspect. Required ☐ Yes ☒ No			
I have carefully examined and read the above application and know the same is true and correct and that a being the work, all provisions of Long Beach Ordinances and State Laws will be complied with whether here specified or not. And in accordance with the Municipal Code I hereby apply for a Certificate of Occupancy to be issued after all final inspections have been passed by me and have been made by the Dept. of Building & Safety.		Trench By Date Steel By Date Framing By Date Heating Rough By Date Heating First By Date Masonry By (Final) (Final) Date Fence By (Fence) (Steel) Date City Street Paving By Date Bldg. Final By Hally 9-29-58 Date Certificate of Occupancy No. Date Total Ch. By Plan Ch. Required ☐ Yes ☒ No Plan Ch. No. Double Fee Remarks Double Fee erected prior to permit license issued			
Signature of Applicant James Stewart Date 7-25-58 I declare that the above is a true and correct copy of the work for which this permit is issued and that I am not aware of any other person or persons who are not subject to the provisions of the Municipal Code of the City of Long Beach, California.		THIS FORM WHEN PROPERLY VALIDATED IS A PERMIT TO DO THE WORK DESCRIBED			

[illegible]

APPLICATION FOR BUILDING PERMIT DEPARTMENT OF BUILDING AND SAFETY CITY OF LONG BEACH 2, CALIFORNIA HOURS: 8-10:30 APPLICANT FILL IN AREA BELOW		1630 San Francisco Ave.	
1630 San Francisco		City Tow Service	
1630 San Francisco		1630 San Francisco Ave.	
Southland Heating & Air Cond., Inc.		Southland Heating & Air Cond., Inc.	
2800 Sample Ave., Long Beach		Install one (1) Lennox CHA-201	
1140410		Lennox 2 ton refrigeration a/c unit,	
on roof.		on roof.	
M-L A		5-26-66	
F		8625 EF	
3.00		1.00	
MAY 27 66		1 8626 BP.....6.00	
950.00		6-10-66	
5-26-66		J. L. L. L.	

101 W. Anaheim

L.A. RIVER FLOOD CONTROL CHANNEL



AVENUE

W. ANAHEIM ST. C.F. 10

BL-95 (6/50) USE SOFT PENCIL AND DRAW HEAVY LINES.
North arrow should be correctly placed.
Draw completely dimensioned Lot Plot.

Have correct legal description and address of property.
Note adjoining streets or alleys and width of Easement.
Note Location of Each Auto Parking Space.

1"=60'

Date Rec'd. 2-28-82 Check One: New ☒ Alteration ☐ Addition ☐ Repair ☐ Demolition ☐

Location of Job 901 W. Anaheim LONG BEACH, CALIF. Zone ML

Owner's Name CITY OF LONG BEACH Address 333 W. OCEAN BLVD., L.B., CA.

City Long Beach Lot 1-1000-8 & 41 The 48

Block 8 Tract Delta Tract 4 The Town of Seabright

Contractor's Name _____ Address _____

Valuation Of Proposed Work \$ 175,000 Applicant R.S. ROSS Phone _____

DESIGNED BY: PLANNING - STAFF RECD Field Inspector _____ Plan Checker _____

NOTICE

Separate permits required for the following work: Plastering, Roofing, Tile, Masonry, Plumbing, Electrical, Fences and Signs.
An owner, on his own single family dwelling, doing the work with his own hands, may take out a sub permit for Plastering, Roofing,
Tile, Masonry and Fences only. All other type permits are required to be taken out by Long Beach licensed contractors.

DEPARTMENT OF BUILDING & SAFETY CITY OF LONG BEACH, CALIF.

PLAN CHECK NO. 16

Complete number	
Expiring date	
Form number	
Number	NEW
City	Long Beach
File number	11-22-5

Types of Construction

- Type 1—Fire Resistive
- Type 2—Heavy Timber
- Type 3—Ordinary Masonry
- Type 4—Metal Frame
- Type 5—Wood Frame

Application for Building Permit

FOR TYPE NO. 1 BUILDING

CHECK ONE: ☒ New Bldg or Structure ☐ Alteration ☐
☐ Addition ☐ Repair ☐
☐ Demolition

To the Department of Building and Safety of the City of Long Beach

Application is hereby made to the Department of Building and Safety of the City of Long Beach through the office of the Superintendent of Building for a building permit in accordance with the description and for the purpose hereafter set forth. This application is made subject to the following conditions which are hereby agreed to by the undersigned applicant and which shall be deemed to be part of the permit when the permit is issued:

First: That the permit does not grant any right or privilege to erect any building or other structure thereon described or any portion thereof upon any street, alley or other public place or portion thereof.

Second: That the permit does not grant any right or privilege to use any building or other structure thereon described or any portion thereof for any purpose that is or may hereafter be prohibited by ordinance of the City of Long Beach.

Third: That the granting of the permit does not affect or prejudice any claim of title in so far as it is subject of possession in the property described in each permit.

(Use Ink or Indelible Pencil)

DESCRIPTION OF PROPERTY

Lot No. 41942 Block 8 John Sublight
and Lots 41947 & 41948 John Sublight
Erect South 42 feet Street

Block 8 Tract

Owner's Name A E Tackling Inc Owner's Mailing Address 929 N. 1st

Contractor's Firm Name _____

Contractor's Address _____ City License No. _____

Present or Proposed Use of Building _____

or Structure Freight Storage No of Families _____ No of Rooms _____

LOCATION OF JOB

No. 929 Street N 1st

VALUATION OF PROPOSED WORK

Architect Arthur W Marshall State Certificate No. C-681
 Engineer _____

Value of a Building Shall Be the Estimated Cost to Replace the Building in Kind \$6700

State on following lines exactly what alterations, additions, etc., will be made to this building:

Any other buildings on lot? yes How used dwelling Minimum distance from proposed new building 3' 6"

Size of proposed building or addition 20 x 160 feet Area 3200

Height to highest point 20 feet Number of stories in height 3

Material of exterior walls wood Material of roof ins. vermin

I have carefully examined and read the above application and know the same is true and correct and that in doing this work on grounds of Long Beach Ordinances and State Laws will be complied with, whether herein specified or not. Also in accordance with the Building Code I hereby apply for a Certificate of Occupancy to be issued after all final inspections have been called for by me and have been made by the Department of Building and Safety.

All applications must be filled out by the Applicant:

PLANS AND SPECIFICATIONS
and other data must also be filed.

(Sign here) A E Tackling Inc

(NOTE—Turn over and fill out blank on other side)

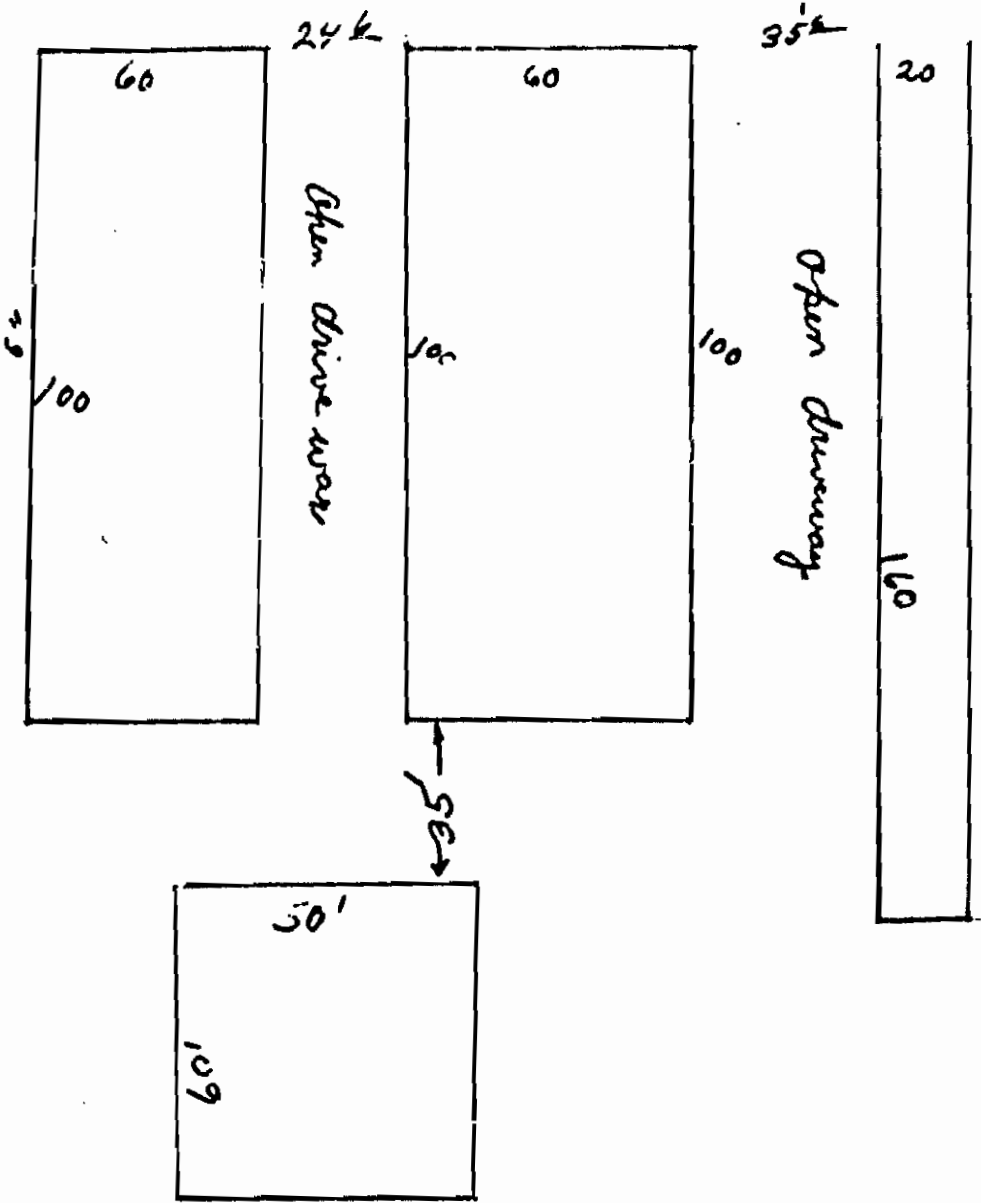
FOR DEPARTMENTAL USE ONLY

ZONE	P. D. No.	GROUP	SET-BACKS	TAKEN BY	CHECKED BY	ISSUED BY
<u>M22</u>	<u>12</u>	<u>F</u>				

Copy: 1-3-52

11 E E 2 2

41179 NW 2



LLr. /srl
20
3200
634.00
15.200%



SCS ENGINEERS

1953 Aerial Photograph



EDR™ Environmental
Data Resources Inc

"Linking Technology with Tradition"

Sanborn® Map Report

Ship To: Loran Bures
SCS Engineers
3711 Long Beach
Long Beach, CA 90807

Order Date: 4/9/2004 **Completion Date:** 4/12/2004

Inquiry #: 1168662.2s

P.O. #: 01-13912

Site Name: Long Beach Public Service Yard

Address: W 15th St/San Francisco Ave

City/State: Long Beach, CA 90813

Cross Streets:

Customer Project: 01204007.00
1051389MOR 562-426-9544

Based on client-supplied information, fire insurance maps for the following years were identified

1949 - 3 Maps

1950 - 1 Map

1963 - 3 Maps

1969 - 1 Map

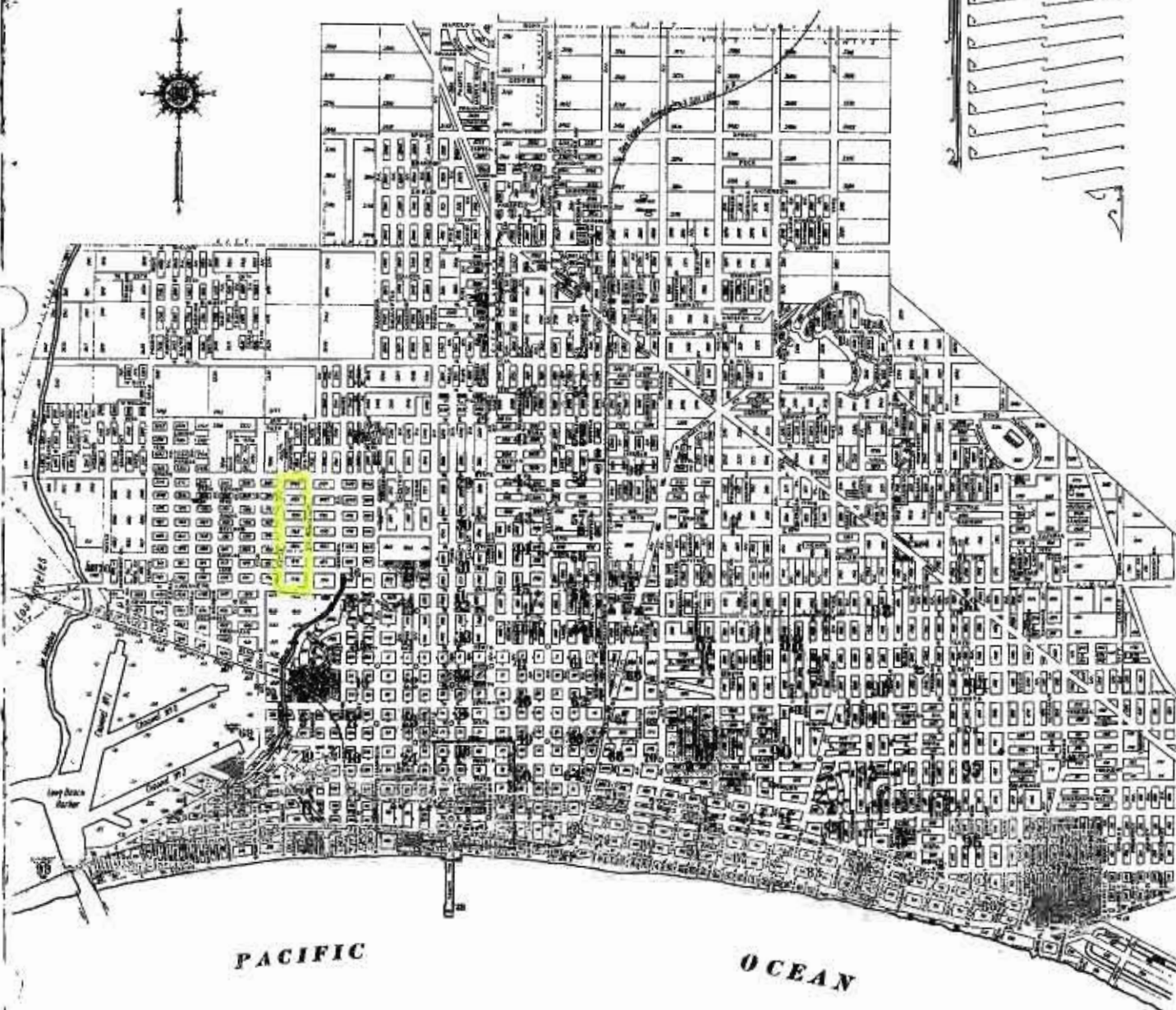
Limited Permission to Photocopy

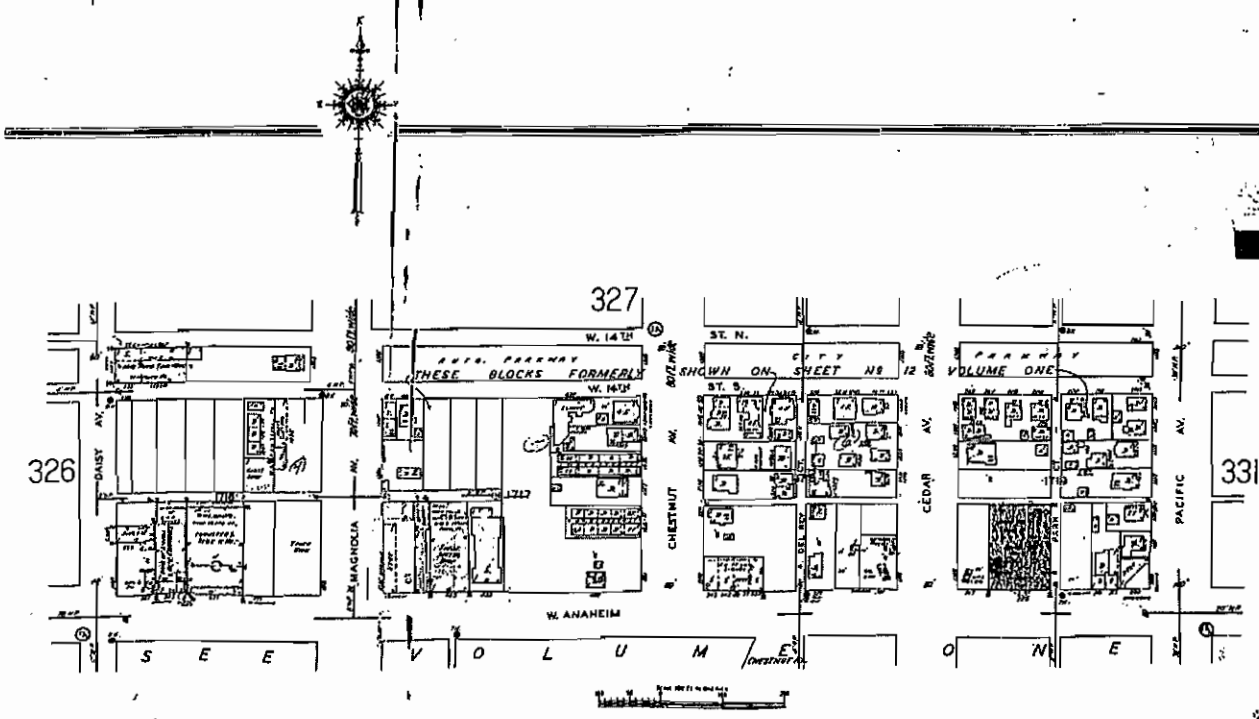
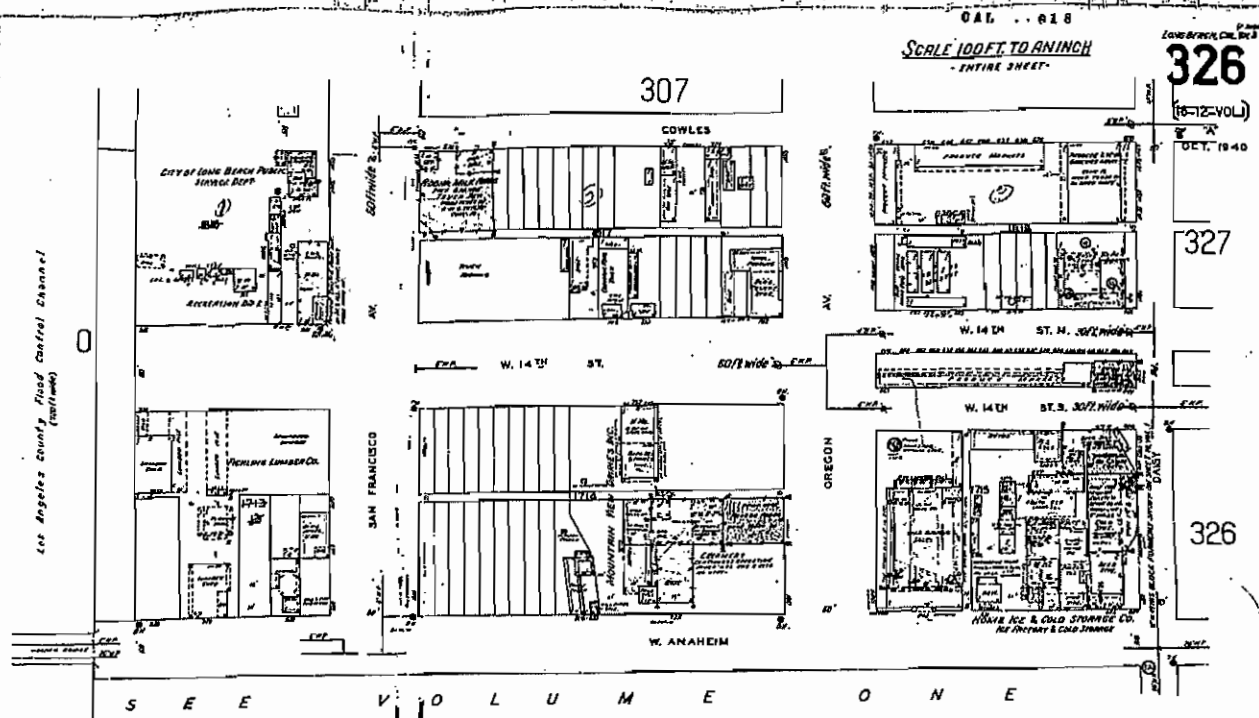
Total Maps: 8

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(10 miles) GAL 019

307

OCT 1942

SCALE 10 FEET TO AN INCH

306

W. PACIFIC

COAST HWY

W. ESTHER

60 ft wide

W. 17TH ST

60 ft wide

W. 16TH

ST. 60 ft wide

W. 15TH

ST. 60 ft wide

W. COWLES

326

327

LOS ANGELES COUNTY FLOOD CONTROL CHANNEL

(IMAGINELY DASH)



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Year

CSN Research Associates

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EST Research Associates

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UAL - 018

LONG BEACH CAC MAY, 3

306

OCT 1943

SCALE 100 FT. TO AN INCH

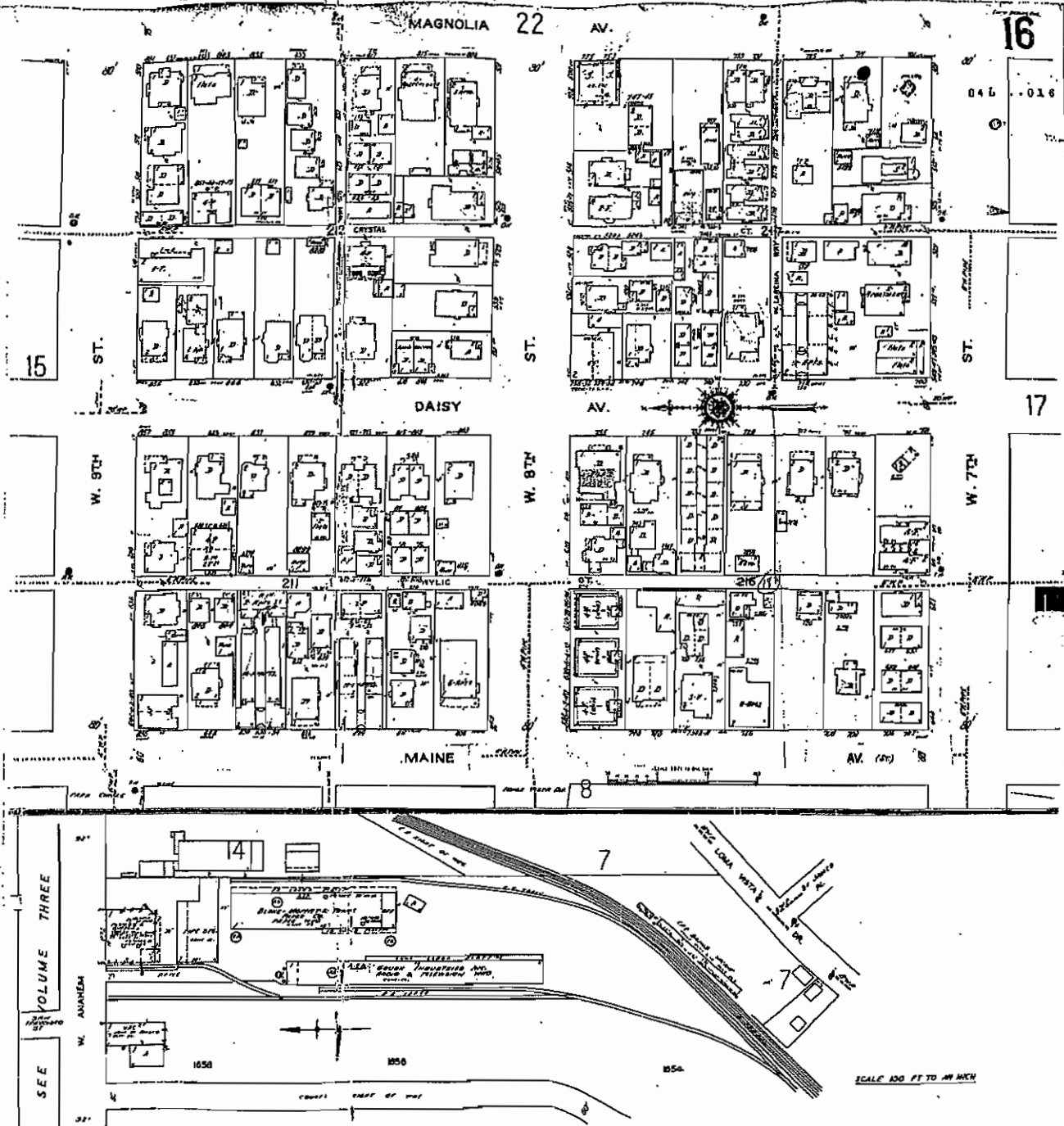


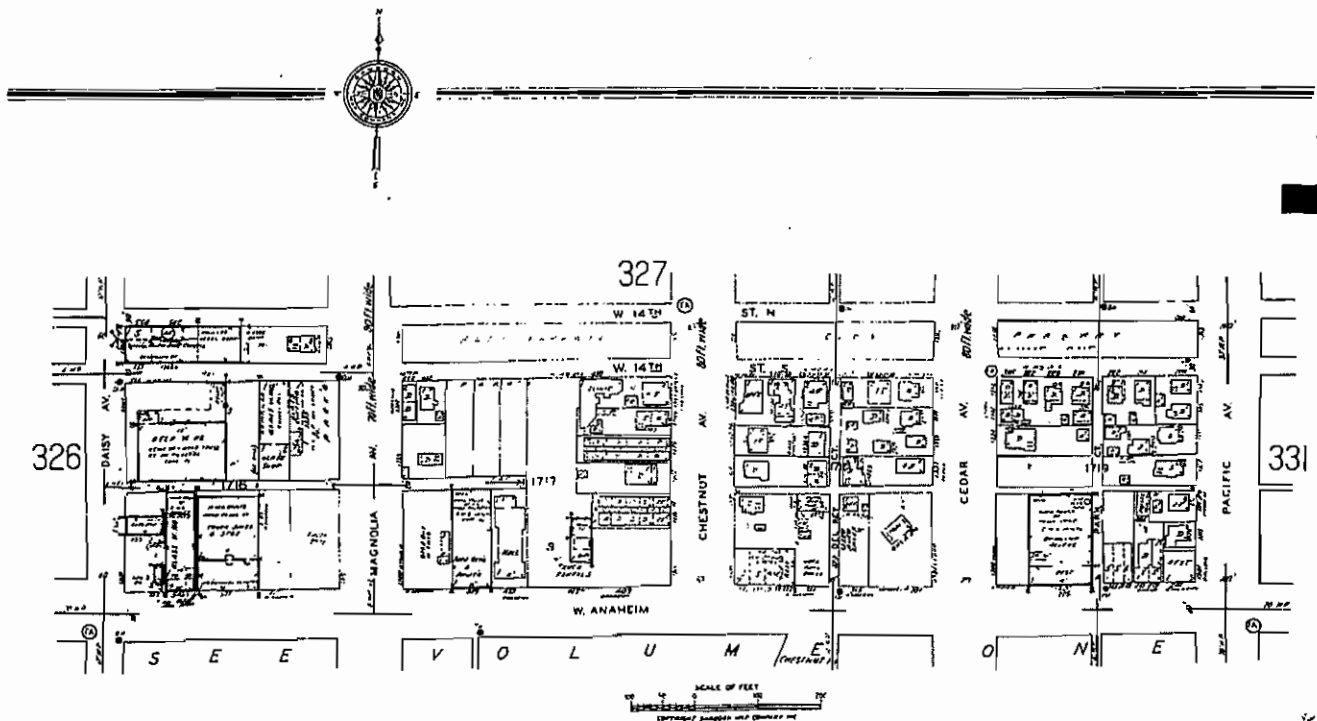
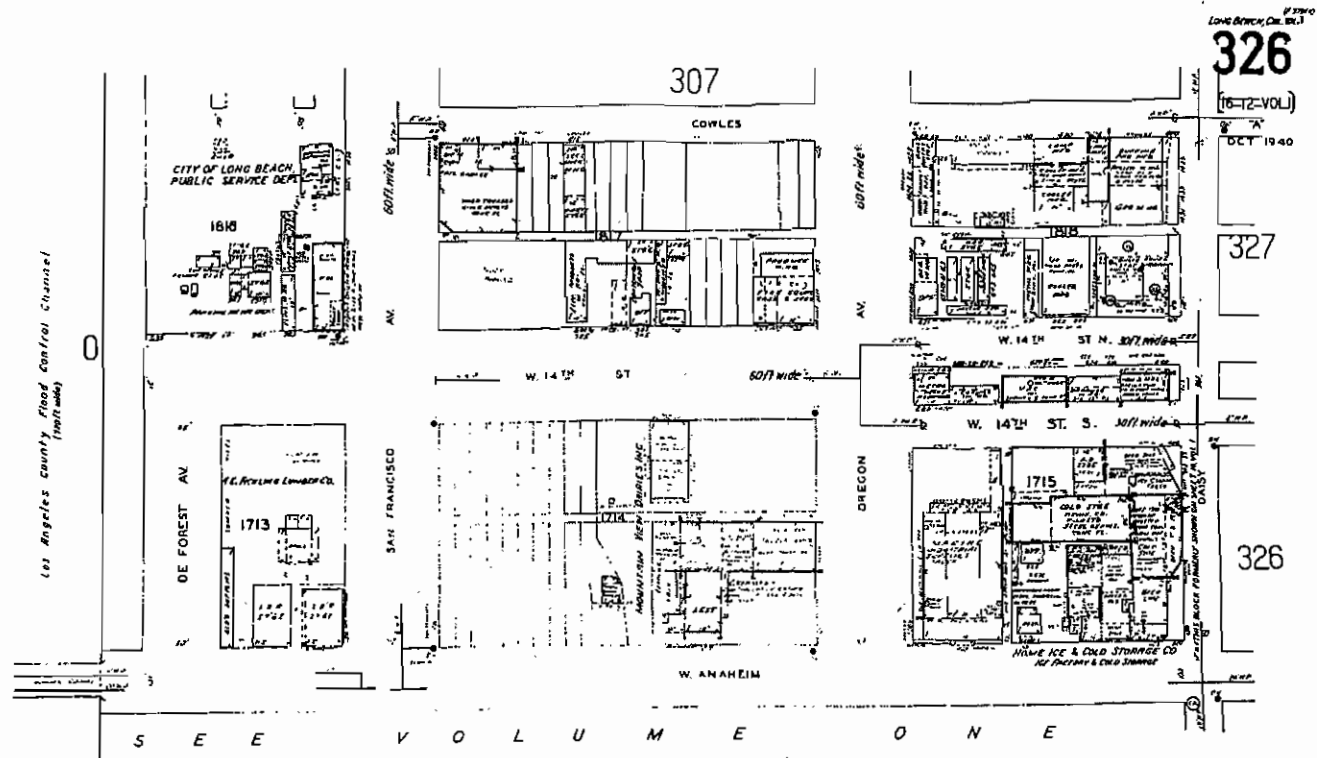


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Year: 1910
Scale: 1" = 100'

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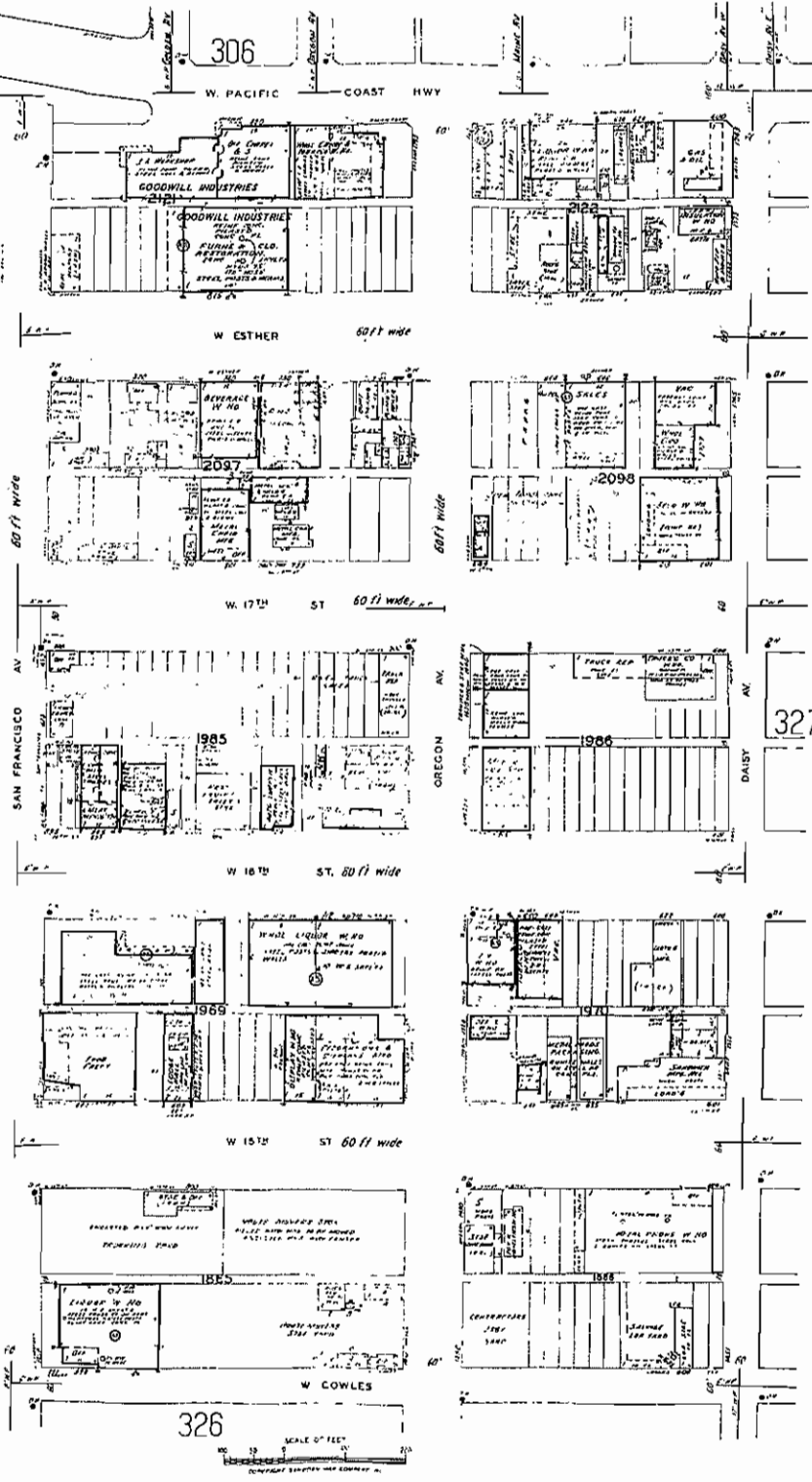
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LONG BEACH, CAL. VOL. 3

307

OCT 1942

LOS ANGELES COUNTY FLOOD CONTROL CHANNEL
IMPROVEMENT DRAIN





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Lowell Branch Cal. Vol. 3

306

"A"
OCT 1942



0

LOS ANGELES NORTH CENTRAL COUNCIL

1942-1943

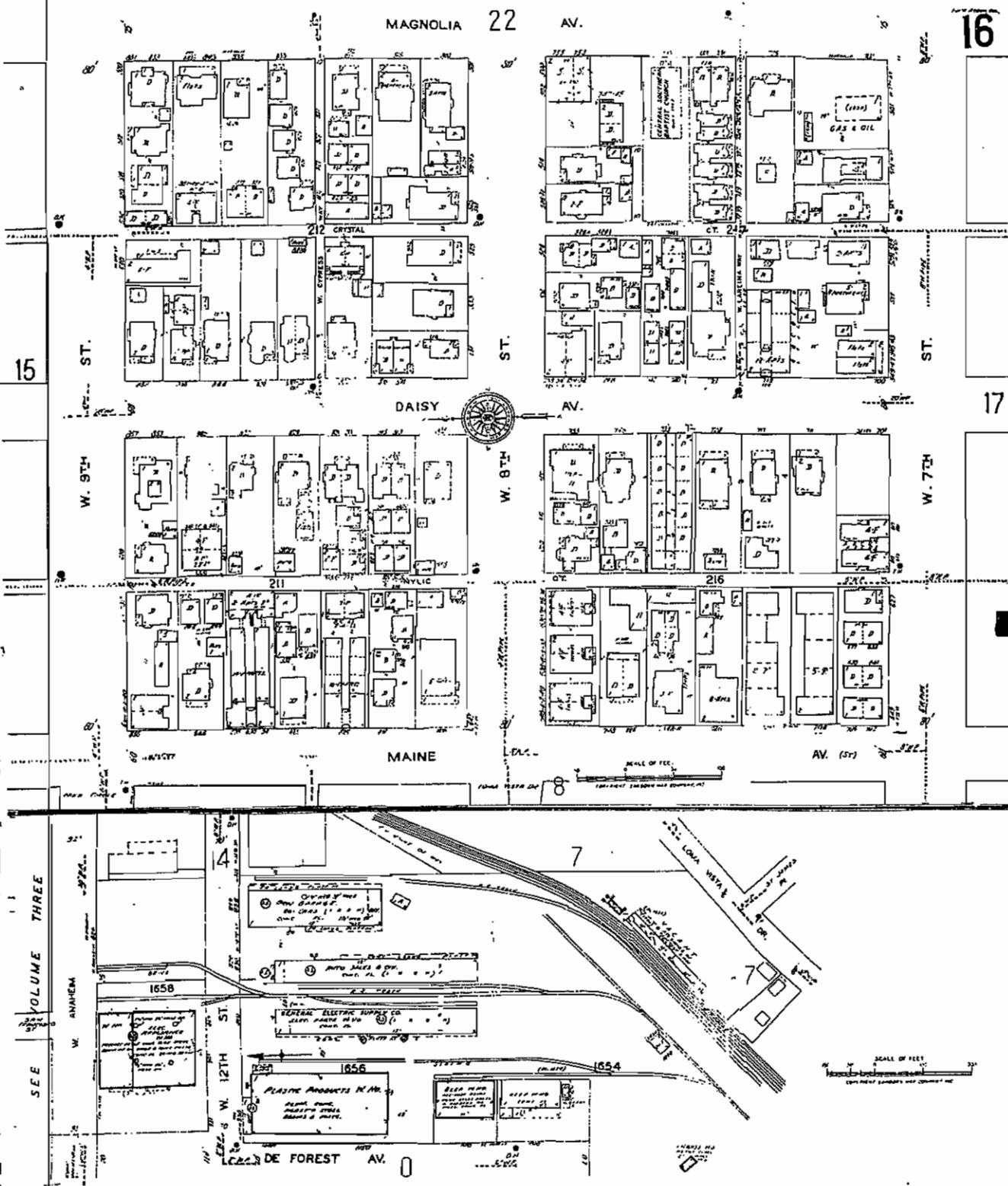
State & Const. Bldg.

San Francisco Bldg.

307

325

SCALE OF FEET
0 10 20 30 40 50 60 70 80 90 100
Horizontal Scale Only (Vertical Scale Not Shown)



DATE: 11/11/81

CAT# 0128A23396 867

33408067

CITY OF LONG BEACH, CALIF. DEPT. OF PLANNING
1501 SAN FRANCISCO
LONG BEACH, CA 90802
213 710-8735

DEPT. OF ENVIRONMENTAL HEALTH 213 710-8735 (11/11/81) 11/11/81

2000 N. ALHAMBRA
LONG BEACH, CA 90802 CAT# 080233681 (11/11/81) 11/11/81

NON-FLAMMABLE HAZARDOUS WASTE, LIQUID 981 T.D. 11/11/81

HAZARDOUS WASTE / SLUDGE

REQUESTED: ASBESTOS / DUST II LOCATION: 1501 SAN FRANCISCO
TIER: LONG BEACH, CA

DATE: 11/11/81 TIME: 11:11 AM 070621

REPORT: 011111 (11/11/81) 070621

DO NOT WRITE BELOW THIS LINE

[illegible]

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Long Beach, Ca 90713 CAG 078409019 B21 42 540

DATE FOR FILING: 05/05/2010

Figure 1

Figure 1

3.4.2 数据源与数据表

1992

1413 Mixed Paints & Enamels 3450

7284 10424

GREEN H. G.

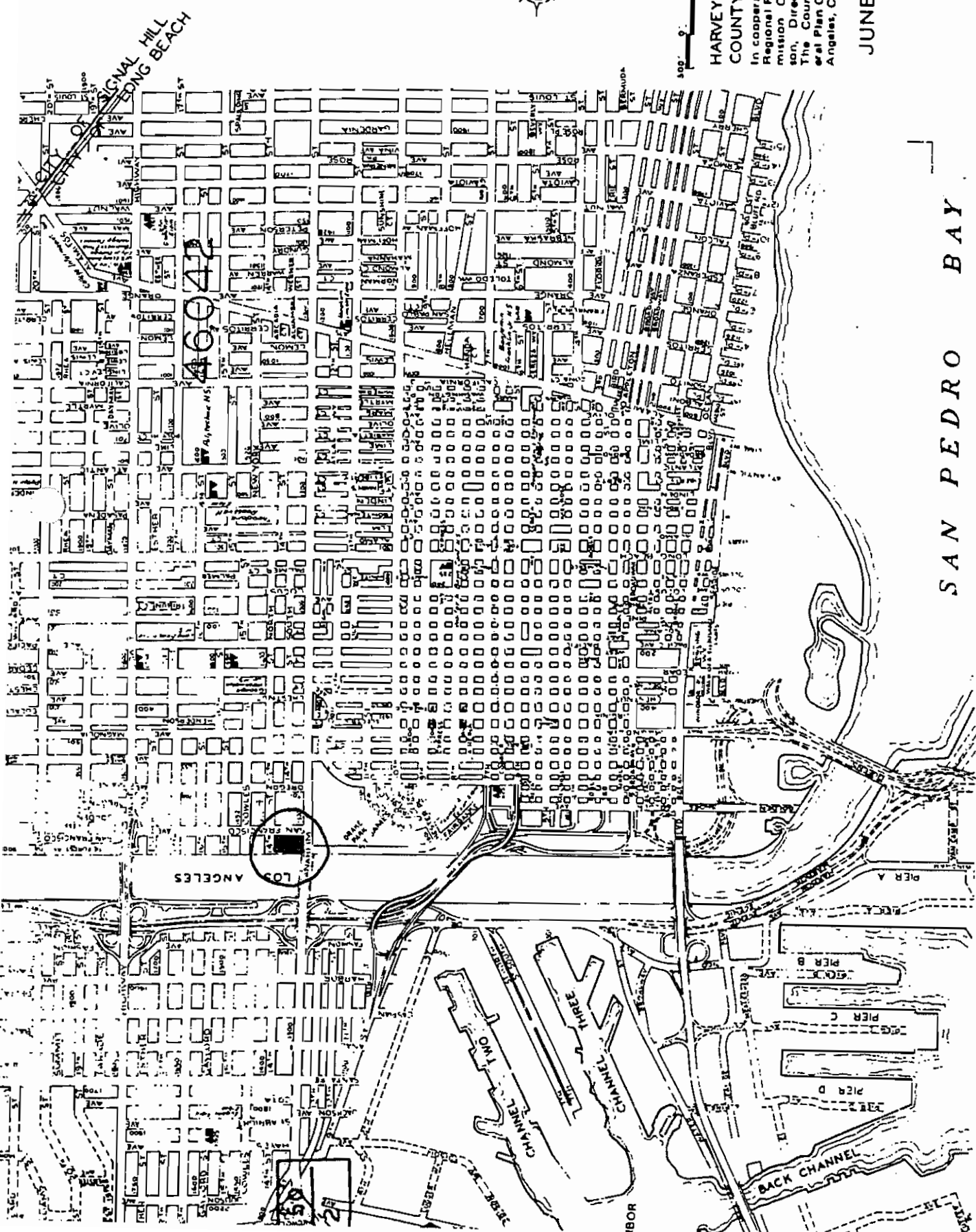
1980

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APPENDIX D
OIL & GAS [DOGGER] AND LANDFILL MAPS





HARVEY T. BRANDT
COUNTY ENGINEER
In cooperation with the
Regional Planning Com-
mission O.K. Christen
son, Director, Port of
The Countywide Gen-
eral Plan County of Los
Angeles, California

JUNE 1972

N:4,024,000

SAN PEDRO BAY

6/13/72	8/14/72	9-12-73	6-23-73	7-1-73	8-16
REVISION TO:	REVISION TO:	REVISION TO:	REVISION TO:	REVISION TO:	REVISION TO:
CHECKED BY:	CHECKED BY:	CHECKED BY:	CHECKED BY:	CHECKED BY:	CHECKED BY:
DATE:	DATE:	DATE:	DATE:	DATE:	DATE:

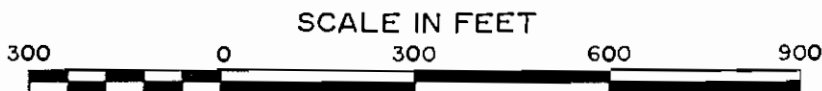
024-197

-33° 47' 00"

STATE OF CALIFORNIA DEPARTMENT OF CONSERVATION DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

SCS ENGINEERING
LIBRARY

50007



JULY 15, 2000

LEGEND

- DRILLING
- DRILLING-IDLE
- BURIED-IDLE
- 93-1103 ○ PLUGGED AND ABANDONED-DRY HOLE
(Showing year drilled and total depth)
- COMPLETED-OIL
- IDLE-OIL
- BURIED IDLE-OIL
- PLUGGED AND ABANDONED-OIL
- ★ COMPLETED-GAS
- ★₁₂ GAS-OPEN TO OIL ZONE
- ★ IDLE-GAS
- ★ BURIED IDLE-GAS
- ★ PLUGGED AND ABANDONED-GAS

- COMPLETED WATERFLOOD
- OIL WELL CONVERTED TO WATERFLOOD
- DUAL COMPLETION-PRODUCING OIL AND WATERFLOOD
- COMPLETED WATER DISPOSAL
- IDLE-WATER DISPOSAL
- OIL WELL CONVERTED TO WATER DISPOSAL
- _p DUAL COMPLETION-PRODUCING OIL AND DISPOSAL WELL
- _e COMPLETED STEAMFLOOD / HOT WATERFLOOD
- _f COMPLETED FIREFLOOD
- _g COMPLETED GAS INJECTION
- _{pg} OIL PRODUCING AND GAS INJECTION
- OBSERVATION
- COMPLETED WATER SOURCE
- IDLE-WATER SOURCE

////// FIELD BOUNDARY

||||| FIELD MAP AND OFFSHORE MAP BOUNDARY

(USL) FEDERAL LEASE

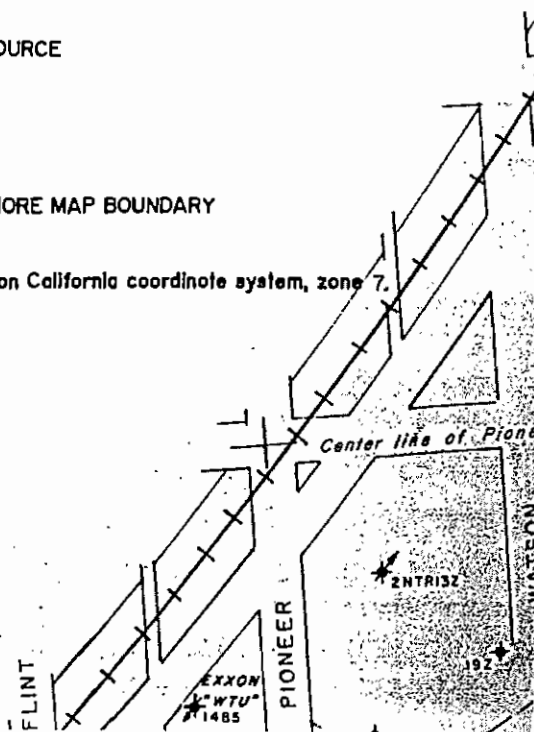
10,000 foot grid based on California coordinate system, zone 7.

NOTE:

WELLS WITH DIRECTIONAL SURVEYS ON FILE WITH THE DIVISION OF OIL AND GAS ARE INDICATED WITH A SHORT LINE UNDER THE WELL SYMBOL.

CURRENT WELL STATUS SHOULD BE CONFIRMED AT THE APPROPRIATE DIVISION OF OIL AND GAS DISTRICT OFFICE.

DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES
801 K STREET, MS. 20, SACRAMENTO, CALIFORNIA 95814



27 | 26
34 | 35

4,255,000

STATE OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS,
AND GEOTHERMAL RESOURCES

SCALE IN FEET

800 0 800 1600 2400

JULY 29, 2000

LEGEND

- 76-2613
- DRILLING
 - ◐ DRILLING - IDLE
 - ⊕ PLUGGED AND ABANDONED-DRY HOLE
 - COMPLETED-OIL (showing year drilled & total depth)
 - ◐ IDLE - OIL
 - ⊕ PLUGGED AND ABANDONED-OIL
 - ⊕ COMPLETED WATER FLOOD
 - ⊕ COMPLETED WATER DISPOSAL
 - ⊕ COMPLETED WATER SOURCE
 - ⊕ COMPLETED-GAS
 - ⊕ PLUGGED AND ABANDONED-GAS
 - ⊕ IDLE - GAS
 - ⊕ COMPLETED OBSERVATION
 - ⊕ COMPLETED FIRE FLOOD
 - //// FIELD BOUNDARY
 - ⊕ 1000 FOOT GRIDS BASED ON CALIFORNIA LAMBERT COORDINATE SYSTEM, ZONE 7
 - ⊕ GAS-OPEN TO OIL ZONE
 - ||||| ADJOINING MAP BOUNDARY

- ⊕ STEAM FLOOD
- ⊕ BURIED IDLE



NOTE: WELLS WITH DIRECTIONAL SURVEYS ON FILE WITH THE DIVISION OF OIL AND GAS ARE INDICATED WITH A SHORT LINE UNDER THE WELL SYMBOL. ALMOST ALL OFFSHORE WELLS DRILLED DIRECTIONALLY. CURRENT WELL STATUS SHOULD BE CONFIRMED AT THE APPROPRIATE DIVISION OF OIL AND GAS DISTRICT OFFICE

3 | 2

4,030,000

DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES
801 K STREET, MS 20, SACRAMENTO, CALIFORNIA 95814

ENGINEERS
LIBRARY

118°12'30"

33°47'00"

ANAHEIM
INTERCHANGE

R.B.O.R.

T.R.

(FASHION)

ST.

HARBOR

John M. Stahl
"Van Trees"

Salvatore Noto, Jr.
"T and"

Pacific Energy Res.
"L.A.C.F.C.D."

Pacific Energy Res.
"N-3-C"

Pacific Energy Res.
"L.A.C.F.C.D."

Pacific Energy Res.
"N-3-C"

F.E. Fairfield
(Golden Circle)

Mobil Oil
M712E

Rechnagel B. Mangold Oil
"W.A."

Hammer Pet. Co.
Harbor

Hammarson Oil Co.

8th
St.

SHOEMAKER
BRIDGE

DR.

Calif. Pacific Oil Co.
"Star"

Terminal Oil Co.
"Channel 3 Comm."

Mutual

Mobil Oil
536-W

Mobil Oil
534-W

Mobil Oil
478

Mobil Oil
479

35 36

NORTH
SOUTH

Mobil Oil Corp.
(M-)(-E)

D.J. Pickrell B.E.W. Meyer
"San Carlos"

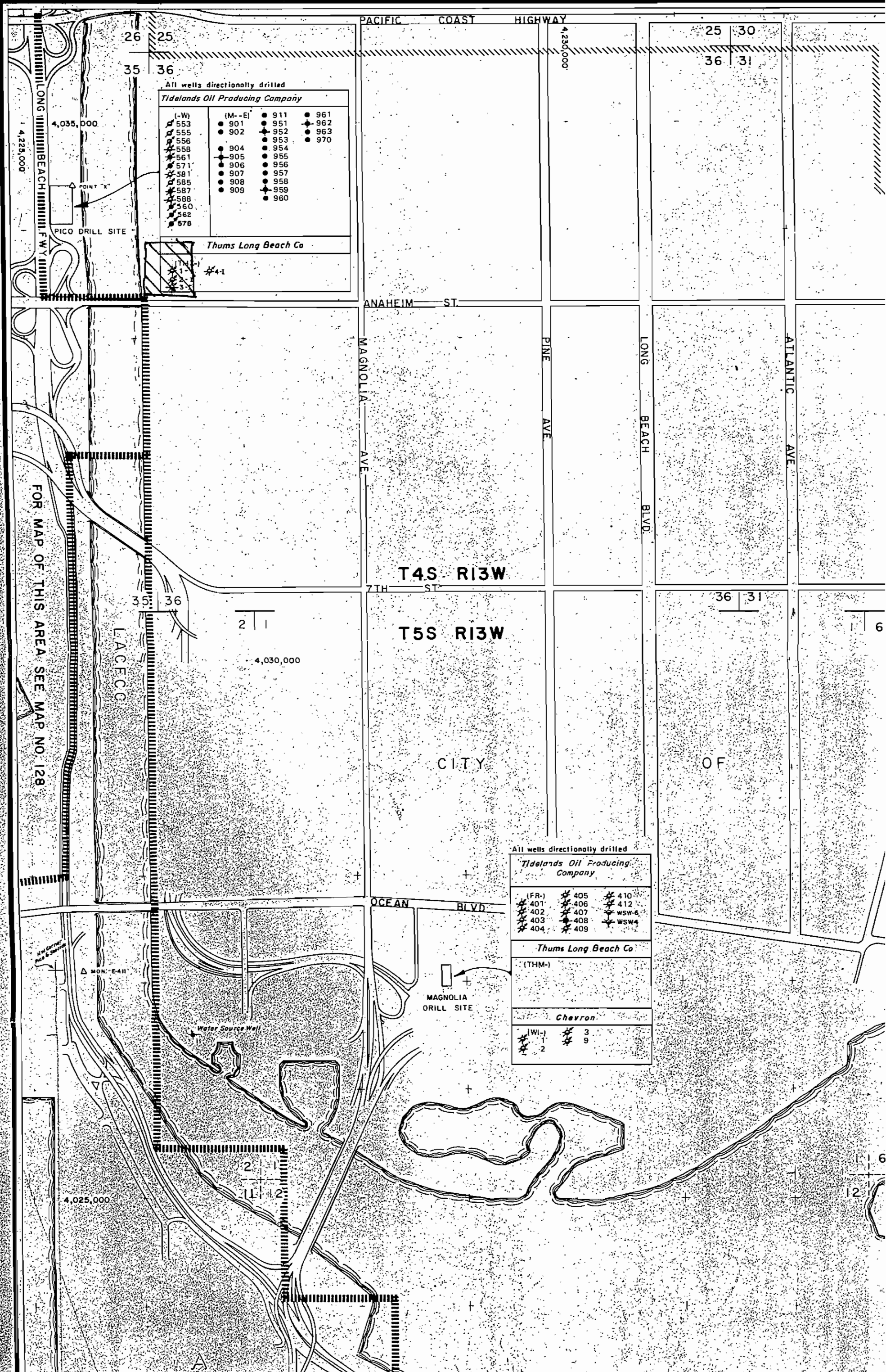
Mobil Oil Corp.
(Channel 3 Comm.)

F.E. Fairfield
"Channel 3 Comm."

HARBOR

CONTROL CHANNEL

4,030,000
FEET (7)



All wells directionally drilled
Tidelands Oil Producing Company

(-W)	(M--E)	
● 553	● 901	● 911
● 555	● 902	● 951
● 556	● 903	● 952
● 558	● 904	● 953
● 561	● 905	● 954
● 571	● 906	● 955
● 581	● 907	● 956
● 585	● 908	● 957
● 587	● 909	● 958
● 588		● 959
● 560		● 960
● 562		
● 578		

All wells directionally drilled
Tidelands Oil Producing Company

(FR-)	● 405	● 410
● 401	● 406	● 412
● 402	● 407	● WSW-6
● 403	● 408	● WSW-4
● 404	● 409	

Thums Long Beach Co.

(THM-)	
--------	--

Chevron

(WI-)	● 3
● 1	● 9
● 2	

APPENDIX E
REGULATORY AGENCY FILE REVIEW INFORMATION
(LB Fire Department, DHHS and RWQCB Records)



Page No. 291
3/28/03
7:56:06

LONG BEACH FIRE DEPARTMENT
FIRE PREVENTION BUREAU
-- Underground Storage Tanks --

Units	Tank Test	Leak	Strt Number	Street Name	Business Name		
				04/08/75	SWENSON-> W.W.IRWIN INST VAPOR RECOVERY FOR GORDON'S TEXACO		
				05/21/70	SWENSON-> MCALPINE INSTALLED 8M F908244 FOR SHELL (2 3M,4M,550 W/O) EXISTING		
0F	*****	*****	1203	SAN ANTONIO DR **		DF	-> 5929
				01/24/74	SWENSON-> A-1 LAND TRACT RMVD 4 (2 4M,2M,550) FOR BIXBY LAND. NO INFO ON ORIGINAL INSTALL		
2T	Dual Walled		1500	E SAN ANTONIO DR **	FOREST LAWN MEMORIAL PARK-2 D/W TOTAL CO	LB	-> 696
				09/04/97	PORTER-> ELECTRONIC MONITOR CERTIFIED (LEAK ALERT LA-04)		
				05/06/97	PORTER-> A & B FORMS, WRMP AND FINANCIAL RESPONSIBILITY OK		
				03/00/91	SWENSON-> DIRTY-RWQCB LEAD		
				12/18/90	SWENSON-> DIRTY-HEALTH LEAD		
				11/14/90	SWENSON-> RAETEC INST 2 (3M & 1M DSL) D/W TOTAL CONTAINMENT		
				11/13/90	SWENSON-> RAETEC REMOVED 2 (2M,3M) SUNNYSIDE CEMETERY		
0F	*****	*****	0620	SAN FRANCISCO AVE **		DF	-> 5930
				12/26/74	SWENSON-> MIKE DREWS CONST RMVD 2 3M FOR EAST INDIA IMPORTING. NO INFO ON ORIGINAL INSTALLATION		
0T	*****	*****	1444	SAN FRANCISCO AVE **	THE FOODBANK OF SOUTHERN CALIFORNIA	LB	-> 1636
				10/08/90	SWENSON-> DIRTY RWQCB LEAD		
				09/14/90	SWENSON-> MANESS REMOVED 4 (12M,2 4M,1M) 2ND HARVEST FOOD BANK		
0T	*****	*****	1630	SAN FRANCISCO AVE **		LB	-> 1924
				02/24/84	CARTER-> MOINE REMOVED 2 (10M UNREADABLE,3M A859748) FOR CITY TOW. WHAT ABOUT THE OTHER 10M? NO INFO ON ORIGINAL INSTALLATION		
				07/10/75	SWENSON-> W.W.IRWIN RMVD 1M A899083 CITY TOW (2 10M EXISTING)		
2T	Dual Walled		1725	SAN FRANCISCO AVE **	CITY OF L.B.PUBLIC SVC YD. (2 D/W JOOR)	LB	-> 2025
				03/25/99	SWENSON-> HEALTH SAYS CLEAN CONTACT J.BENEDICT 570-4128		
				01/21/99	SWENSON-> FOSS ENV REMOVED 3 (10M GAS & DIESEL,1M D/W JOOR NEVER USED) PROJECT #268704. J.HANEY (MCLAREN-HART) SAMPLING TO ASL (213)254-7700. THE 1M JOOR REMOVED FOR RE-CERT/RE-USE		
				12/21/98	SWENSON-> FINAL OK. ISSUED 1998 COMPLIANCE STICKER #05838		
				11/18/98	SWENSON-> FOSS ENV INSTALLED 2 12M JOOR PROJECT #265705		

ge No. 64
/28/03
:55:51

LONG BEACH FIRE DEPARTMENT
FIRE PREVENTION BUREAU
-- Underground Storage Tanks --

inks	Tank Test	Leak	Strt Number	Street Name	Business Name		
					"TANK TO BE FILLED WITH ROTARY MUD") INSTALL INFO?		
2F			0750	W ANAHEIM ST **		LB	-> 6284
			09/11/35	SWENSON->	J.W.BLACK CO INSTALLED 1M GAS (SEE 730.W.ANAHEIM)		
			07/28/31	SWENSON->	CARD ROOFING CO INSTALLED 550 GAS		
0F	*****	*****	0801	E ANAHEIM ST **		DF	-> 5565
			08/10/36	SWENSON->	THAYER AUTO LOT INSTALLED 280 REMOVED FROM 121		
					AMERICAN AVE (L.B.BLVD). TANK REQ'D "TO BE SCRAPED AND PAINTED". NOTE ON		
					PERMIT SAYS TANK NOT FOUND 7/8/86. NO ORIGINAL INSTALL FROM 121 AMERICAN		
1F			0824	W ANAHEIM ST **		LB	-> 2904
			10/15/02	SWENSON->	UNDATED NOTE (HAYS) ATTACHED TO COPY OF BELOW PERMIT		
					SHOWS FRED REITMAN (310)436-5203 (OWNER)		
			03/29/41	SWENSON->	COAST EQUIP INSTALLED 1M GAS		
			03/28/41	SWENSON->	COAST EQUIP REMOVED 1M CRANE CO		
0F	*****	*****	0841	E ANAHEIM ST **		DF	-> 5566
			08/21/72	SWENSON->	AFTER FACT PERMIT TO SLURRY TANKS (1M,2.5M,550,280)		
					REMARKS ON PERMIT "TANKS FILLED WITH 80# ROTARY MUD, FILL CAPS WELDED ON. NO		
					PERMIT TAKEN OUT". APPLICANT BUZZ MCCALLEN		
0T	*****	*****	0929	W ANAHEIM ST **	CITY OF LONG BEACH	LB	-> 2906
			04/02/01	SWENSON->	DIRTY-RWQCB LEAD CONTACT C.PIRO		
			10/18/95	SWENSON->	DIRTY-HEALTH LEAD CONTACT CARMEN PIRO 570-4137		
			08/30/95	HAYS->	MANESS REMOVED 550 DIESEL PROJECT #194914 (PERMIT PULLED		
					UNDER 901 W.ANAHEIM ST) SEE 1630 SAN FRANCISCO AVE		
			09/07/45	SWENSON->	FICKLING LUMBER REMOVED 280 AND INSTALLED 550. NO INFO		
					ON ORIGINAL INSTALLATION OF 280		
3T	Dual Walled		0998	E ANAHEIM ST **	ARCO #9505 (3 D/W JOOR)	LB	-> 2907
			12/08/98	SWENSON->	ELECTRONIC MONITORING CERTIFIED (TLS-350). ISSUED 1998		
					COMPLIANCE STICKER #05814 TO T.JONES		
			07/08/98	SWENSON->	NOT READY FOR COMPLIANCE INSPECTION (BILLED \$100)		
			10/03/97	PORTER->	NO B FORMS; OLD A, WRMP & FINANCIAL RESPONSIBILITY OK		

LONG BEACH FIRE DEPARTMENT
FIRE PREVENTION BUREAU
-- Underground Storage Tanks --

Tanks	Tank Test	Leak Test	Strt Number	Street Name	Business Name		
OT	*****	*****	0701	W PACIFIC COAST HWY	**	LB	-> 3211
				05/06/94	HAYS-> FINANCIAL RESPONSIBILITY OK		
				06/07/88	SWENSON-> G/WATER &/OR SURFACE WATER CONTAMINATION-RWQCB LEAD		
				03/03/88	SWENSON-> DIRTY-HEALTH LEAD		
				02/02/88	SWENSON-> REMOVED 4 (4 WERE FOUND & 1 HAD BEEN SLURRIED). AT SOME POINT IN TIME THERE WERE PROBABLY A TOTAL OF 6 TANKS		
OT	*****	*****	0800	W PACIFIC COAST HWY	** GOODWILL INDUSTRIES	LB	-> 1747
				07/01/97	SWENSON-> RWQCB WORKPLAN APPROVAL (WELL INSTALLATION)		
				04/18/97	SWENSON-> REQUEST FOR ADDITIONAL GROUNDWATER MONITORING		
				03/14/91	SWENSON-> DIRTY-RWQCB LEAD ID #908061070		
				12/12/90	SWENSON-> DIRTY-HEALTH LEAD		
				09/00/89	SWENSON-> DIRTY-HEALTH LEAD		
				08/10/89	MCINTYRE-> GOODWILL REMOVED 1M DIESEL		
OT	*****	*****	0998	E PACIFIC COAST HWY	** TUNEUP MASTERS #16	LB	-> 958
				07/16/90	SWENSON-> HEALTH SAYS CLEAN		
				01/30/90	GALINDO-> POLYCLENS REMOVED 750 W/O FOR TUNE-UP MASTERS		
OT	*****	*****	1050	E PACIFIC COAST HWY	** PACIFIC COAST HARDWARE	LB	-> 2659
				02/06/95	SWENSON-> HEALTH SAYS CLEAN CONTACT CHERYL SANDEL 570-4127		
				12/22/94	PORTER-> HVN REMOVED 2M KEROSENE PROJECT #184125 G.DE VIRES, CEG (213)771-3046 SAMPLING TO CURTIS/TOMPKINS (800)522-1878		
				06/05/89	SWENSON-> PACIFIC COAST HARDWARE 30 DAY NOTICE		
				07/10/81	WELLER-> INDUSTRIAL ENTERPRISES INSTALLED 2M KEROSENE		
				11/19/71	SWENSON-> JOHN DODD DEMO REMOVED 4 (5M,3M,2M,280 W/O) PARKS TEXACO. NO INFO ON ORIGINAL INSTALLATION (NOT ON PREVIOUS LISTS)		
OF	*****	*****	1159	E PACIFIC COAST HWY	**	DF	-> 5902
OT	*****	*****	1181	E PACIFIC COAST HWY	** SUPER SHOPS	LB	-> 3212
				02/23/90	SWENSON-> HEALTH SAYS CLEAN		
				11/30/89	SWENSON-> ENSR REMOVED A CLARIFIER FOR SUPER SHOPS		
OF	*****	*****	1230	E PACIFIC COAST HWY	**	DF	-> 5903
				02/09/70	SWENSON-> VALLEY LOADER SERVICE REMOVED 4 (4M,3M,1M,550 W/O)		



FIRE PREVENTION BUREAU REQUEST FOR INFORMATION

CITY FILE SEARCH

REQUIRED INFORMATION (Please Print)

Name: TARA HOLMES

Title: ASSOCIATE STAFF PROFESSIONAL Phone: (562) 426-9544

Company (if site search): SCS ENGINEERS

Address: 3711 LONG BEACH BLVD., LB CA 90807

Reason for requesting information: PHASE I ASSESSMENT

Signature: Tara Melina Holmes Date: 8/11/04

Please list site address(es) (only) for a CITY FILE search:

1. 1300 - 1800 San Francisco Ave (odd numbers)
2. 901 - 935 W. 14th Street (all odd #'s)
3. 901 - 935 W. 15th St (all)
4. " " 16th St all
5. " " 17th St all
6. 901 - 935 W. Esther St (all odd #'s)
7. 900 - 1000 W. Pacific Coast Hwy (odd even numbers)
8. _____

COPY POLICY

Copy charges

.10c per copy

Total Pages: _____

Total Fees: \$ _____

BY: _____



FIRE PREVENTION BUREAU REQUEST FOR INFORMATION

CITY FILE SEARCH

REQUIRED INFORMATION

(Please Print)

Name: TARA HOLMESTitle: ASSOCIATE STAFF PROFESSIONALPhone: (562) 426-9544Company (if site search): SCS ENGINEERSAddress: 3711 LONG BEACH BLVD., LB CA 90807Reason for requesting information: PHASE I ASSESSMENTSignature: Tara Melina HolmesDate: 5/25/04

Please list site address(es) (only) for a CITY FILE search:

1. 901 W. Anaheim2. 929 W. Anaheim3. 935 W. Anaheim4. 1301 San Francisco Ave5. 1317 San Francisco Ave6. 1327 San Francisco Ave7. 1630 San Francisco Ave

8. _____

COPY POLICY

Copy charges

.10c per copy

Total Pages: _____

Total Fees: \$ _____

BY: _____

PROJECT # 265705 (T)
(Dept. Use Only)DATE: 1/93

TYPE OF PLANS: (Put an X in front of ONE)

☐ Building/New Construction☐ Sprinkler/New Construction☐ Dry/Wet Chemical☐ Fire Alarm☐ Above Ground Tanks
(No. of Tanks)☐ Other**INSTALL**Pier D, Berth D47
Long Beach, CA 90802Emergency Response
1 800-FF SPILLJohn R. White
Project Manager/Estimator
jwhite@fossenenv.comPhone: 562-590-6706
Fax: 562-432-1826
Pager: 888-471-3490
Cell Phone: 310-629-1190

www.fossenenv.com

☒ Underground Tanks - Install
(2 No. of Tanks)☐ Spray BoothDoor ReCerts (12M)
UL # 27051
27127

PLEASE PRINT - MUST BE FILLED OUT COMPLETELY

PROJECT NAME: <u>City of Long Beach Public Services Maintenance Yard</u>		
PROJECT ADDRESS: <u>1725 San Francisco Ave, Long Beach</u>		
DESCRIPTION OF WORK: <u>UST Installation - (2) 12,000 Gallon USTs</u>		
APPLICANT/CONTRACTOR:	PHONE:	FAX#:
<u>Foss Environmental & Infrastructure</u>	<u>562-590-6706</u>	<u>562-432-1826</u>
ADDRESS/CITY/ST/ZIP:		
<u>Pier D, Berth D47, Long Beach, Ca 90802</u>		
STATE LIC.#: <u>716581</u>	CLASS: <u>A-Haz</u>	EXPIRATION DATE: <u>12/31/99</u>
CITY BUS. LIC. #: <u>BU93032990</u>	EXPIRATION DATE: <u>7/1/99</u>	
CURRENT BUILDING USE:	PROPOSED BUILDING USE:	
<u>N/A</u>	<u>N/A</u>	
OCCUPANCY CLASSIFICATION: (per UBC)	SQ. FT.	TYPE OF CONSTRUCTION:
<u>N/A</u>		
BUILDING SPRINKLERED: YES <u>N/A</u>	NO <u>N/A</u>	

(Fire Prevention Office Use Only) * FORMS + PAPERWORK
ARE INSIDE OF DRAWPlans Submitted By: John WhitePlan Review Fees: \$300Plan Review Checked By: J. A. [Signature]Approved Date: 11-13-98
WORKSHTS.PC 11/98

(3) SETS

CONDITIONAL APPROVALPLANS ARE APPROVED UPON
THE FOLLOWING

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD
UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM B



COMPLETE A SEPARATE FORM FOR EACH TANK SYSTEM

MARK ONLY ONE ITEM	☒ 1 NEW PERMIT	☐ 3 RENEWAL PERMIT	☐ 5 CHANGE OF INFORMATION	☐ 7 PERMANENTLY CLOSED ON
	☐ 2 INTERIM PERMIT	☐ 4 AMENDED PERMIT	☐ 6 TEMPORARY TANK CLOSURE	☐ 8 TANK REMOVED

DBA OR FACILITY NAME WHERE TANK IS INSTALLED:

I. TANK DESCRIPTION

COMPLETE ALL ITEMS - SPECIFY IF UNKNOWN

A. OWNER'S TANK I.D. # <u>Untraced #1</u>	B. MANUFACTURED BY: <u>Joor</u>
C. DATE INSTALLED (MO/DAY/YEAR) <u>12/98</u>	D. TANK CAPACITY IN GALLONS: <u>12,000</u>

II. TANK CONTENTS

IF A-1 IS MARKED, COMPLETE ITEM C.

A. ☒ 1 MOTOR VEHICLE FUEL	☐ 4 OIL	B. ☒ 1 PRODUCT	C. ☒ 1a REGULAR UNLEADED	☐ 3 DIESEL	☐ 6 AVIATION
☐ 2 PETROLEUM	☐ 5 EMPTY	☐ 2 WASTE	☐ 1b PREMIUM UNLEADED	☐ 4 GASOLINE	☐ 7 METHANO
☐ 3 CHEMICAL PRODUCT	☐ 6 UNKNOWN		☐ 2 LEADED	☐ 5 JET FUEL	☐ 8 OTHER (DESCRIBE IN ITEM D. BE

D. IF (A-1) IS NOT MARKED, ENTER NAME OF SUBSTANCE STORED

C.A.S.#:

III. TANK CONSTRUCTION

MARK ONE ITEM ONLY IN BOXES A, B, AND C, AND ALL THAT APPLIES IN BOX D AND E

A. TYPE OF SYSTEM	☒ 1 DOUBLE WALL	☐ 3 SINGLE WALL WITH EXTERIOR LINER	☐ 5 UNKNOWN
	☐ 2 SINGLE WALL	☐ 4 SECONDARY CONTAINMENT (VAULTED TANK)	☐ 6 OTHER
B. TANK MATERIAL (Primary Tank)	☒ 1 BARE STEEL	☐ 2 STAINLESS STEEL	☐ 3 FIBERGLASS
	☐ 5 CONCRETE	☐ 6 POLYVINYL CHLORIDE	☐ 7 ALUMINUM
	☐ 8 BRONZE	☐ 9 GALVANIZED STEEL	☐ 10 UNKNOWN
C. INTERIOR LINING	☐ 1 RUBBER LINING	☐ 2 ALKYL LINING	☐ 3 EPOXY LINING
	☐ 5 GLASS LINING	☒ 6 UNLINED	☐ 4 PHENOLIC LINING
	IS LINING MATERIAL COMPATIBLE WITH 100% METHANOL? YES ☐ NO ☐		
D. CORROSION PROTECTION	☐ 1 POLYETHYLENE WRAP	☒ 2 COATING	☐ 3 VINYL WRAP
	☐ 5 CATHODIC PROTECTION	☐ 6 NONE	☒ 4 FIBERGLASS REINFORCED PLASTIC
		☐ 7 UNKNOWN	☐ 8 OTHER
E. SPILL AND OVERFILL	SPILL CONTAINMENT INSTALLED (YEAR) <u>12/98</u>		OVERFILL PREVENTION EQUIPMENT INSTALLED (YEAR) <u>12/98</u>

IV. PIPING INFORMATION

CIRCLE A IF ABOVE GROUND OR U IF UNDERGROUND, BOTH IF APPLICABLE

A. SYSTEM TYPE	A U 1 SUCTION	☒ 2 PRESSURE	A U 3 GRAVITY	A U 99 OTHER
B. CONSTRUCTION	A U 1 SINGLE WALL	☒ 2 DOUBLE WALL	A U 3 LINED TRENCH	A U 99 UNKNOWN
C. MATERIAL AND CORROSION PROTECTION	A U 1 BARE STEEL	A U 2 STAINLESS STEEL	A U 3 POLYVINYL CHLORIDE (PVC)	A U 4 FIBERGLASS PIPE
	A U 5 ALUMINUM	A U 6 CONCRETE	A U 7 STEEL W/ COATING	A U 8 100% METHANOL COMPATIBLE
	A U 9 GALVANIZED STEEL	A U 10 CATHODIC PROTECTION	A U 11 UNKNOWN	☒ 12 OTHER <u>Don't know</u>
D. LEAK DETECTION	☒ 1 AUTOMATIC LEAK DETECTOR	☐ 2 LINE TIGHTNESS TESTING	☒ 3 HYDROSTATIC TESTING	☒ 99 OTHER <u>Don't know</u>

V. TANK LEAK DETECTION

☐ 1 VISUAL CHECK	☒ 2 INVENTORY RECONCILIATION	☐ 3 WADGE MONITORING	☒ 4 AUTOMATIC TANK GAUGING	☐ 5 GROUND WATER MONIT
☐ 6 TANK TESTING	☒ 7 INTERSTITIAL MONITORING	☐ 8 NONE	☐ 9 UNKNOWN	☐ 10 OTHER

VI. TANK CLOSURE INFORMATION

1. ESTIMATED DATE LAST USED (MO/DAY/YR)	2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING _____ GALLONS	3. WAS TANK FILLED WITH INERT MATERIAL? YES ☐ NO ☐
---	--	--

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

APPLICANT'S NAME

(PRINTED & SIGNATURE)

John R. White - Foss Environmental

DATE

11/6/98

LOCAL AGENCY USE ONLY

THE STATE I.D. NUMBER IS COMPOSED OF THE FOUR NUMBERS BELOW

STATE I.D.#	COUNTY # <u>119</u>	JURISDICTION # <u>0160</u>	FACILITY #	TANK #
PERMIT NUMBER	PERMIT APPROVED BY/DATE	PERMIT EXPIRATION DATE		

THIS FORM MUST BE ACCOMPANIED BY A PERMIT APPLICATION - FORM A, UNLESS A CURRENT FORM A HAS BEEN FILED.
FILE THIS FORM WITH THE LOCAL AGENCY IMPLEMENTING THE UNDERGROUND STORAGE TANK REGULATIONS

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD
UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM B



COMPLETE A SEPARATE FORM FOR EACH TANK SYSTEM

MARK ONLY ONE ITEM	☒ 1 NEW PERMIT	☐ 2 RENEWAL PERMIT	☐ 3 CHANGE OF INFORMATION	☐ 7 PERMANENTLY CLOSED ON SITE
	☐ 2 INTERIM PERMIT	☐ 4 ALIENHO PERMIT	☐ 6 TEMPORARY TANK CLOSURE	☐ 8 TANK REMOVED

DBA OR FACILITY NAME WHERE TANK IS INSTALLED: _____

I. TANK DESCRIPTION COMPLETE ALL ITEMS - SPECIFY IF UNKNOWN

A. OWNER'S TANK I.D.#	<u>Diesel #1</u>	B. MANUFACTURED BY:	<u>Joor</u>
C. DATE INSTALLED (MO/DAY/YEAR)	<u>12/98</u>	D. TANK CAPACITY IN GALLONS:	<u>12,000</u>

II. TANK CONTENTS IF A-1 IS MARKED, COMPLETE ITEM C

A.	☒ 1 MOTOR VEHICLE FUEL	☐ 4 OIL	B.	☒ 1 PRODUCT	C.	☐ 1a REGULAR UNLEADED	☒ 2 DIESEL	☐ 6 AVIATION GAS
	☐ 2 PETROLEUM	☐ 80 EMPTY		☐ 2 WASTE		☐ 1b PREMIUM UNLEADED	☐ 4 GASAHOL	☐ 7 METHANOL
	☐ 3 CHEMICAL PRODUCT	☐ 85 UNKNOWN				☐ 2 LEADED	☐ 5 JET FUEL	

D. IF (A.1) IS NOT MARKED, ENTER NAME OF SUBSTANCE STORED _____ C.A.S.#: _____

III. TANK CONSTRUCTION MARK ONE ITEM ONLY IN BOXES A, B, AND C, AND ALL THAT APPLIES IN BOX D AND E

A. TYPE OF SYSTEM	☒ 1 DOUBLE WALL	☐ 2 SINGLE WALL WITH EXTERIOR LINER	☐ 85 UNKNOWN
	☐ 2 SINGLE WALL	☐ 4 SECONDARY CONTAINMENT (VAULTED TANK)	☐ 80 OTHER
B. TANK MATERIAL (Primary Tank)	☒ 1 BARE STEEL	☐ 2 STAINLESS STEEL	☐ 3 FIBERGLASS
	☐ 5 CONCRETE	☐ 6 POLYVINYL CHLORIDE	☐ 7 ALUMINUM
	☐ 8 BRONZE	☐ 14 GALVANIZED STEEL	☐ 85 UNKNOWN
C. INTERIOR LINING	☐ 1 RUBBER LINING	☐ 2 ALKYL LINING	☐ 3 EPOXY LINING
	☐ 5 GLASS LINING	☒ 4 UNLINED	☐ 80 UNKNOWN
	IS LINING MATERIAL COMPATIBLE WITH 100% METHANOL? YES ☐ NO ☐		
D. CORROSION PROTECTION	☐ 1 POLYETHYLENE WRAP	☒ 2 COATING	☐ 3 VINYL WRAP
	☐ 5 CATHODIC PROTECTION	☐ 81 NONE	☐ 85 UNKNOWN
			☒ 4 FIBERGLASS REINFORCED PLASTIC
E. SPILL AND OVERFILL	SPILL CONTAINMENT INSTALLED (YEAR) <u>12/98</u>		OVERFILL PREVENTION EQUIPMENT INSTALLED (YEAR) <u>12/98</u>

IV. PIPING INFORMATION CIRCLE A IF ABOVE GROUND OR U IF UNDERGROUND, BOTH IF APPLICABLE

A. SYSTEM TYPE	A U 1 SUCTION	A U 2 PRESSURE	A U 3 GRAVITY	A U 80 OTHER
B. CONSTRUCTION	A U 1 SINGLE WALL	A U 2 DOUBLE WALL	A U 3 LINED TRENCH	A U 85 UNKNOWN
C. MATERIAL AND CORROSION PROTECTION	A U 1 BARE STEEL	A U 2 STAINLESS STEEL	A U 3 POLYVINYL CHLORIDE (PVC)	A U 4 FIBERGLASS PIPE
	A U 5 ALUMINUM	A U 6 CONCRETE	A U 7 STEEL W/COATING	A U 8 100% METHANOL COMPATIBLE WFRP
	A U 9 GALVANIZED STEEL	A U 10 CATHODIC PROTECTION	A U 85 UNKNOWN	A U 80 OTHER <u>Bravo Box Safety</u>
D. LEAK DETECTION	☒ 1 AUTOMATIC LINE LEAK DETECTOR	☐ 2 LINE TIGHTNESS TESTING	☒ 3 BRIDGEMAN MONITORING	☒ 80 OTHER

V. TANK LEAK DETECTION

☐ 1 VISUAL CHECK	☒ 2 INVENTORY RECONCILIATION	☐ 3 MUDGE MONITORING	☒ 4 AUTOMATIC TANK GAUGING	☐ 5 GROUND WATER MONITORING
☐ 6 TANK TESTING	☒ 7 INTERSTITIAL MONITORING	☐ 81 NONE	☐ 85 UNKNOWN	☐ 80 OTHER

VI. TANK CLOSURE INFORMATION

1. ESTIMATED DATE LAST USED (MO/DAY/YR)	2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING _____ GALLONS	3. WAS TANK FILLED WITH HAZARDOUS MATERIAL? YES ☐ NO ☐
---	--	--

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

APPLICANT'S NAME (PRINTED & SIGNATURE)	DATE
<u>John R. White - Foss Environmental Inc.</u>	<u>11/6/98</u>

LOCAL AGENCY USE ONLY THE STATE I.D. NUMBER IS COMPOSED OF THE FOUR NUMBERS BELOW

STATE I.D.#	COUNTY #	JURISDICTION #	FACILITY #	TANK #
	<u>09</u>	<u>060</u>		<u>000602</u>
PERMIT NUMBER	PERMIT APPROVED BY/DATE		PERMIT EXPIRATION DATE	

THIS FORM MUST BE ACCOMPANIED BY A PERMIT APPLICATION - FORM A, UNLESS A CURRENT FORM A HAS BEEN FILED.
FILE THIS FORM WITH THE LOCAL AGENCY IMPLEMENTING THE UNDERGROUND STORAGE TANK REGULATIONS

APPLICATION AND PERMIT TO REMOVE OR ABANDON STORAGE TANK(S)
ANY TANK(S) USED FOR THE STORAGE OF ANY HAZARDOUS AND/OR FLAMMABLE LIQUIDS

PH 0430150
FP 11574
ACCT. NO.

NO. TRA-

PROPERTY OWNER City OF Long Beach Ca. PHONE 590-6991
ADDRESS 333 W. Ocean BL
FACILITY NAME PUBLIC SERVICE YARD PHONE 590-6991
FACILITY ADDRESS 1601 SAN FRANCISCO L.B.
TYPE OF BUSINESS CITY YARD OCC. CLASS _____
OPERATOR/TENANT/SUPERVISOR Gillis MONROE RES. PHONE _____

RES. ADDRESS _____

TOTAL NO. OF EXISTING TANKS

ABOVE GRND 2 UNDER GRND _____

LAST/PRIOR INSTALLATION PERMIT NO. _____

NO. OF TANKS/TO BE REMOVED/ABANDONED

ABOVE GRND 2 UNDER GRND _____

TANK CONST. MATERIAL METAL

CONTRACTOR ATLAS Allied INC. CITY BUS. LIC. NO. 9003610

STATE CONTRACTOR'S LIC. NO. 437235 CLASSIFICATION B-C-36

ADDRESS 1210 N. LAS BRISAS ANAHEIM CA. PHONE 714 630-3633

This application and permit is for the removal ☒ abandonment of tank(s) identified on this form, and shall only be valid and in force for a maximum of ten (10) working days from date of application.

Permittee or his authorized agent shall notify the Hazardous Materials Unit, Long Beach Health Department, Phone No. (213) 427-4522 and Bureau of Fire Prevention, Long Beach Fire Department, Phone No. (213) 435-2458 a minimum of 72 hours prior to the removal or filling of any tank(s). An official from each of these two departments shall be present at the job site to witness the removal or filling of any and all tanks. All directions made/given by these City officials shall be followed within a timely and reasonable fashion.

When any underground storage tank(s) is/are removed from the ground, the resulting excavated site shall be secured in an appropriate manner until filled. Any excavation shall be temporarily backfilled or enclosed by a fence with a minimum height of six (6) feet. If the foregoing security measures are impractical, a security guard shall be provided, until the completion of the permit, by the permittee and at the expense of the permittee. The structural integrity of the tank(s) shall be maintained during removal and transport. Tank(s) removed from the ground are not permitted to remain at the site or within the City limits overnight. No temporary or permanent storage of any used hazardous or flammable liquids/materials storage tank(s) is/are permitted within the City limits of Long Beach.

The removal or filling of any tank(s) shall be in accordance with Long Beach Municipal Code, Title 18.46; California State Health and Safety Code, Division 20, Chapter 6.5; the Uniform Fire Code, Articles 79 and 80; and LBFD Fire Prevention Requirements, the 14 series.

I, THE UNDERSIGNED, HAVE READ COMPLETELY AND FULLY UNDERSTAND THE ABOVE LONG BEACH FIRE DEPARTMENT REQUIREMENTS WHICH APPLY TO THIS APPLICATION AND PERMIT. I, THE UNDERSIGNED, ATTEST TO THE BEST OF MY KNOWLEDGE, UNDER THE PENALTY OF PERJURY, THAT THE ABOVE PROVIDED INFORMATION IS TRUE AND CORRECT. I, THE UNDERSIGNED, ACCEPT THE CONDITION THAT ANY DEVIATION(S) FROM AND/OR MISINFORMATION ON THIS FORM WILL RENDER THIS APPLICATION AND PERMIT NULL AND VOID.

APPLICANT SIGNATURE GL. Sicilian DATE 10-23-90

PRINTED NAME GL. SICILIAN TITLE PRES. PHONE _____

APPLICATION APPROVED ☒ DENIED _____ BY [Signature] DATE 10-26-90

FOR FIRE DEPARTMENT USE ONLY

TANK(S) UL NO 01 ABOVE TANKS REMOVED

TANK CAPACITY 01 02 03 04

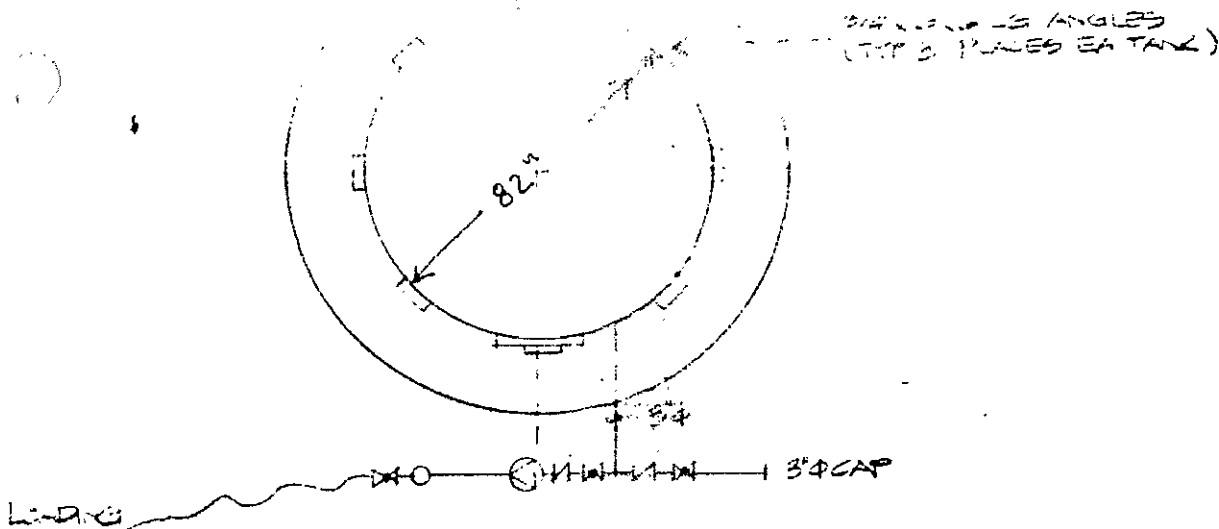
FINAL INSPECTION BY _____ DATE 11/9/90

COPY DISTRIBUTION
NOTE: LBFD Bureau of Fire Prevention

CERTIFY: send copy
DATE: applicant's copy

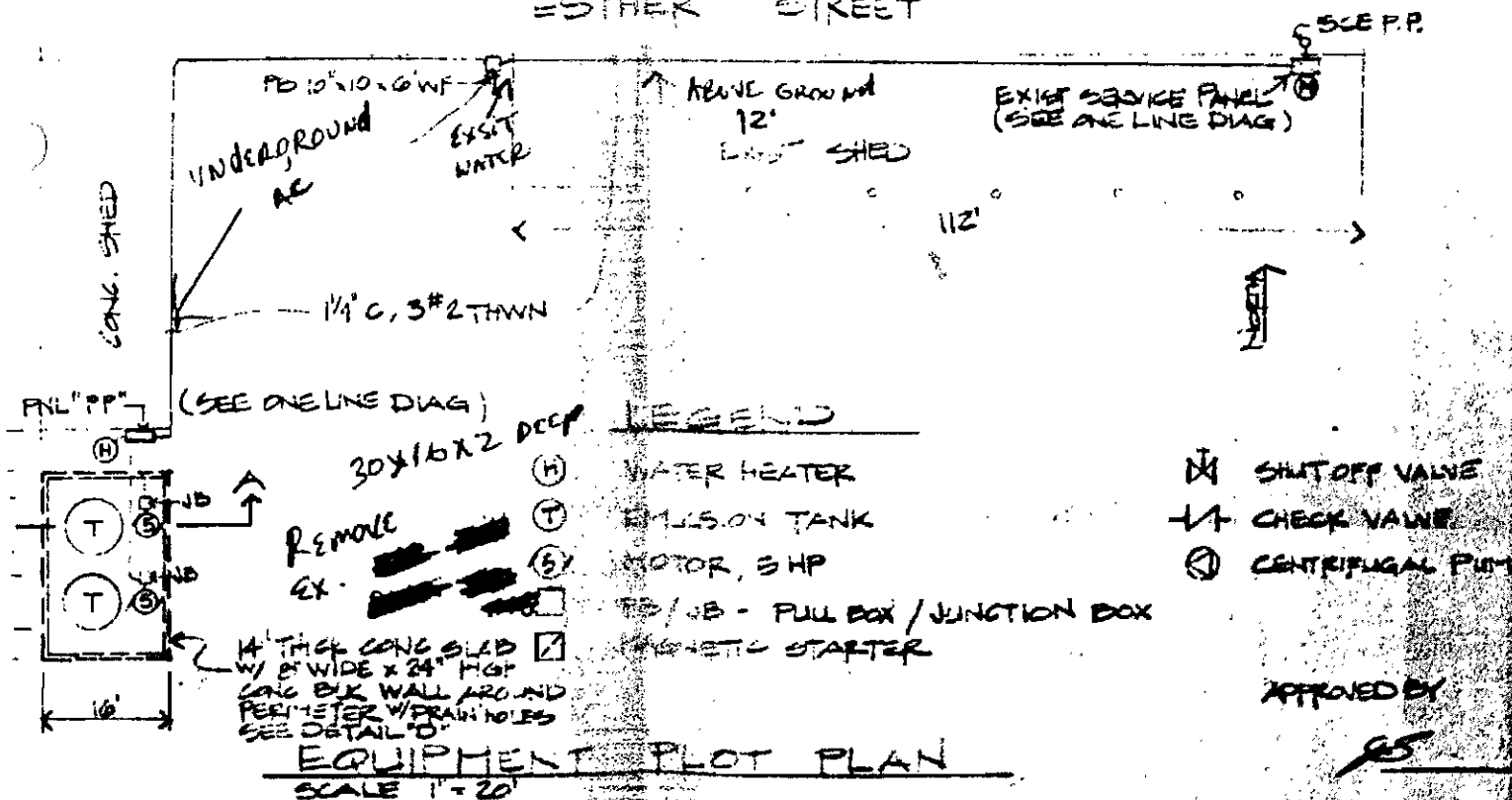
DATE: 11/9/90
PR-20 (7/89)

TYPE OR USE BLACK INK ONLY



SECTION 1/4 SLAB B-B

ESTHER STREET



LEGEND

- (H) WATER HEATER
- (T) EMULSION TANK
- (S) MOTOR, 3 HP
- TS/JB - PULL BOX / JUNCTION BOX
- (M) MAGNETIC STARTER
- (X) SHUT OFF VALVE
- (C) CHECK VALVE
- (P) CENTRIFUGAL PUMP

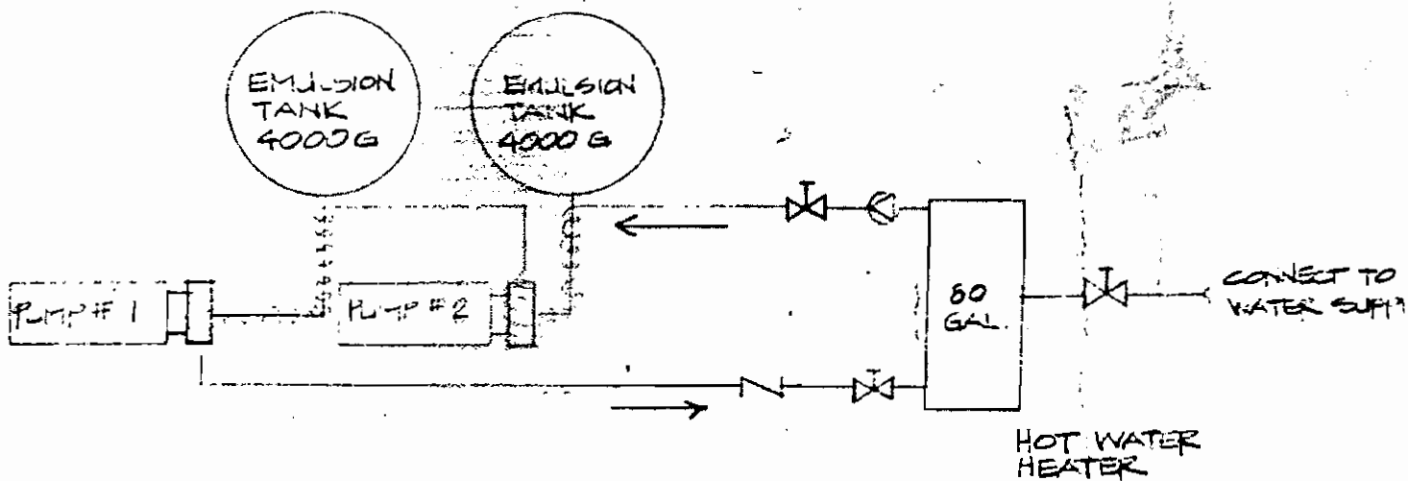
APPROVED BY

65

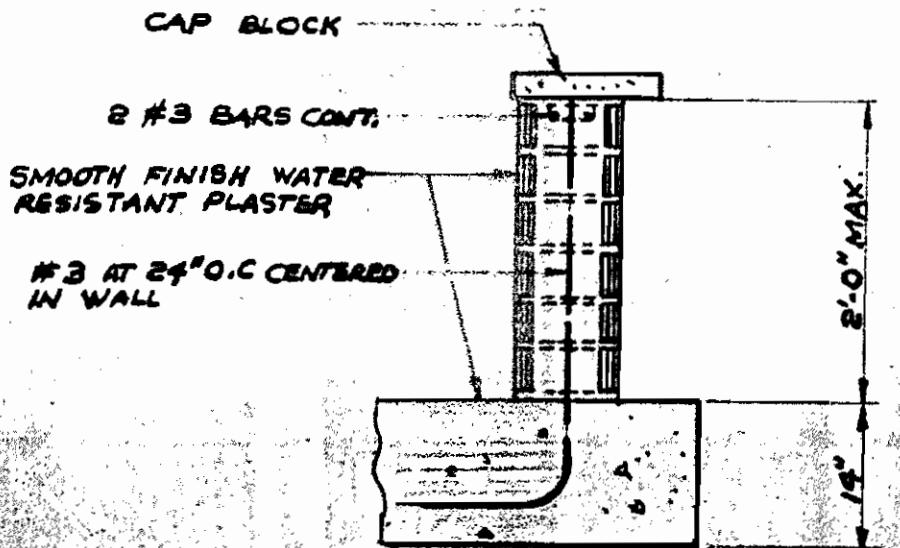
EQUIPMENT PLOT PLAN

SCALE 1" = 20'

SECTION HEAD	<i>Al. Anderson 4/12/90</i>	APPROVALS	 REGISTERED PROFESSIONAL ENGINEER THOMAS PULL No. 24233 CITY OF INDIANAPOLIS
INSPECTION	<i>R. D. D. 4/12/90</i>		
SURVEY CONTROL			
PROPERTY LINES			
GAS			
WATER			
SUBSTRUCTURES			



HOT WATER TRACING
N.T.S.



DETAIL D N.T.S.

PUBLIC SERVICE BUREAU

CITY OF LONG BEACH

**DEPARTMENT OF PUBLIC WORKS
OFFICE OF THE CITY ENGINEER**

333 W. OCEAN BLVD.

LONG BEACH, CA. 90802

XP DATE

DATE

LONG BEACH FIRE DEPARTMENT
BUREAU OF FIRE PREVENTION
400 West Broadway
Long Beach, California 90802

APPLICATION FOR PERMIT
STORAGE, HANDLING, USE OR SALE OF FLAMMABLE AND COMBUSTIBLE LIQUIDS
IN COMMERCIAL AND INDUSTRIAL ESTABLISHMENTS
Article 15, Uniform Fire Code

Name of Business City of Long Beach - Paint Shop Phone No. 432-8904
Business Address 1601 San Francisco Ave.
Owner of Business or Officer of Corporation City of L.B. Emergency Phone No. _____

List type and amounts of flammable and combustible liquids to be used or stored on the premises:

TYPE	NO. OF drums	FLASH POINT	UNDERGROUND STORAGE	INSIDE STORAGE	OUTSIDE STORAGE
Solvent	6	134	Gals.	330 Gals.	G.
Xylene	1		Gals.	55 Gals.	G.
Lacquer thinner	1		Gals.	55 Gals.	G.
			Gals.	Gals.	G.
			Gals.	Gals.	G.

Is building equipped with an approved automatic sprinkler system? Yes _____ No X

Does electrical wiring and equipment in building comply with state electrical safety orders and local electrical safety orders and local electrical code? Yes X No _____

Are "NO SMOKING" signs installed in storage, dispensing, or mixing areas? Yes X No _____

Are flammable or combustible liquids dispensed into smaller containers? Yes X No _____

Is area or room for dispensing, or mixing of flammable or combustible liquids been approved by the Fire and Building Departments? Yes X No _____

SIGNATURE OF APPLICANT _____ Title _____

APPLICATION: Approved ✓ Denied _____ BY H. P. Collins, Capt. Date 3-29-76
FIRE MARSHAL OR INSPECTOR

REMARKS: (For Departmental Use Only)

APPROVED
MAR 30 1976
Anv. Date 4-16-77
Fee — 0 —

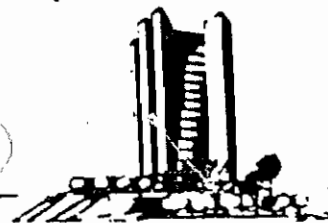
BUREAU OF FIRE PREVENTION

Date Rec'd. _____

Rec'd. By _____

28070

Mail



CITY OF LONG BEACH

DEPARTMENT OF FIRE

400 WEST BROADWAY, ROOM 261 • LONG BEACH, CALIFORNIA 90802

FP 11574-189

* Fire Prevention Requirement *
* No.2.302 4/87 *

APPLICATION FOR PERMIT
TO INSTALL ☒ ,OR MAINTAIN ☒ ,A LIQUEFIED PETROLEUM GAS SYSTEM
Article 20, Uniform Fire Code

Name of Business CITY OF LONG BEACH PUBLIC WORKS
Business Address 1601 SAN FRANCISCO AVE. 90803 Phone #(213) 432-8904
90813
Owner of Business or Officer of Corporation JESSE SIMMONS - SUPERVISOR Emergency Phone #()
Name of Company making installation PETROLANE GAS SERVICE
Contractor License Number & Type C20 C36
Address of Company 2940 CALIFORNIA AVE. L.B. 90806 Phone #(213) 424-0729
Type of Business Operated RETAIL & DELIVERY OF PROPANE
Serial number of tank: #1 #2 #3 #4
Tank design pressure: #1 250 #2 #3 #4
Shell thickness: #1 .2812" #2 #3 DECEIVED #4
Head thickness: #1 .2812" #2 #3 SEP 14 1989 #4
Capacity(water gallon) #1 499 #2 #3 BUREAU OF FIRE PREVENTION
Indicate type of L.P.G. to be stored: PROPANE
(Butane, Propane, etc.)

Any change in plans and specifications must be approved by this office. An inspection is required on tanks and piping before use or cover. A final inspection is required at completion of installation. Without final inspection and an approval, a permit to operate and maintain this installation by the occupant at this address will be denied.
ANY CHANGE IN USE, OCCUPANCY OR CAPACITY SHALL REQUIRE A NEW PERMIT.

SIGNATURE OF APPLICANT Joseph A. Plummer TITLE Salesman
(OVER)

PETROLANE

GAS FOR HOME, AGRICULTURE AND INDUSTRY

PETROLANE GAS SERVICE ■ 2940 California Avenue ■ Long Beach, California 90806 ■ Phone (213) 424-0729

JOE PLUMMER
636-3353

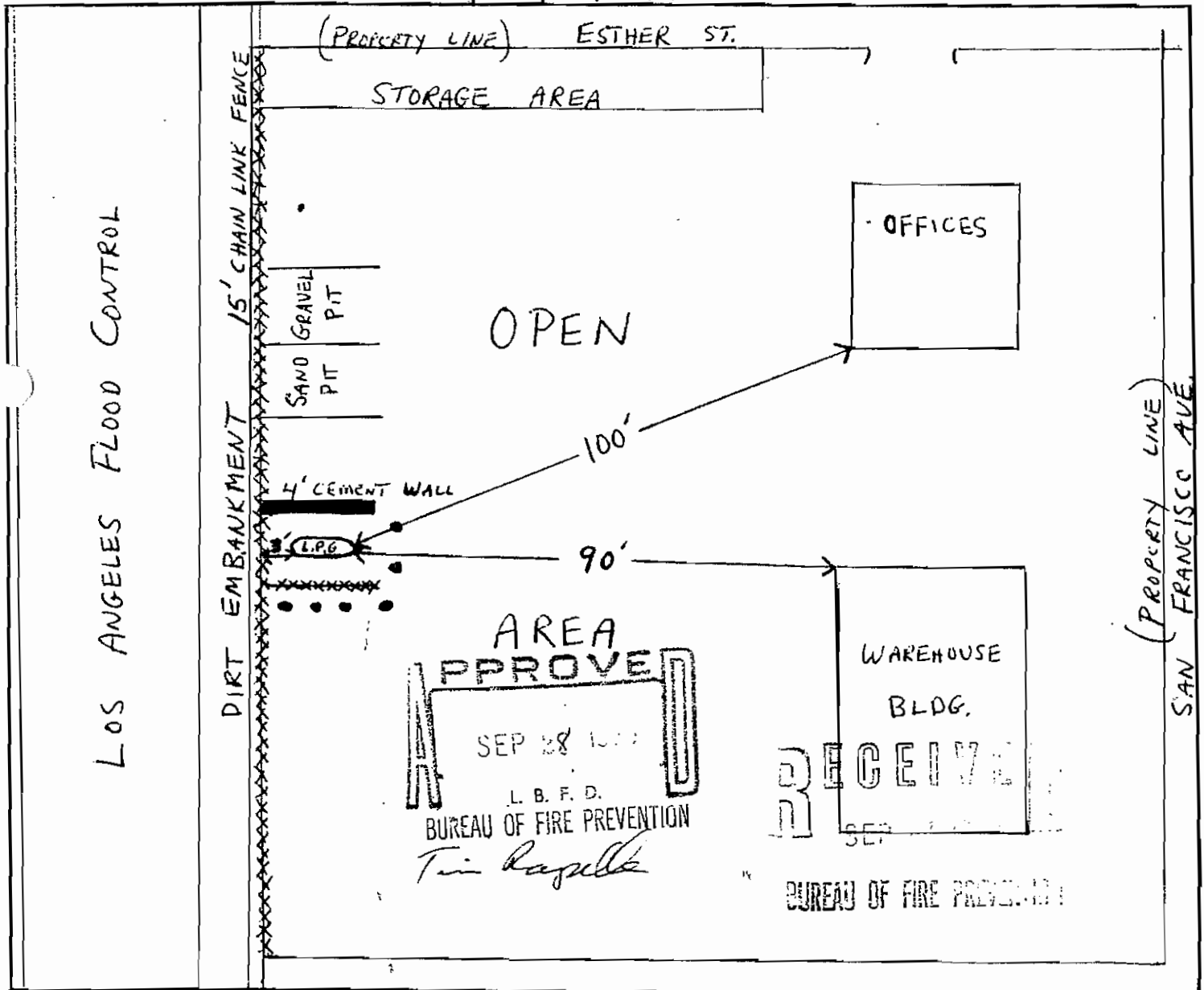
LOCATION OF TANK: CITY OF LONG BEACH PUBLIC WORKS

1601 SAN FRANCISCO AVE.

LONG BEACH, CA 90813

SIZE OF TANK: 499-HORIZONTAL WHEN INSTALLED: ASAP

PLOT PLAN



NOTE: CRASH POSTS - 4"X6" STEEL PIPE.
OR L.
2' BELOW GRADE 4' ABOVE GRADE,
4' FROM TANK, 4' ON CENTER.
POSTS TO BE FILLED WITH CONCRETE,
ALL WORK TO BE DONE TO STATE AND
CITY CODES.

ELECTRICAL - (IF NECESSARY)
SINGLE PHASE, EXPLOSION
'PROOF.
PERMIT TO BE OBTAINED.
NO-SMOKING & FLAMMABLE
SIGNS TO BE ON TANK.

HAZARDOUS WASTE PROGRAM OFFICIAL INSPECTION REPORT

CITY OF LONG BEACH DEPARTMENT OF PUBLIC HEALTH
DIVISION OF ENVIRONMENTAL HEALTH
2655 PINE AVENUE TELEPHONE 427-7421

PHONE		CT 5754
DBA/NAME CITY OF LONG BEACH - DEPT OF PUBLIC WORKS (PS)		DATE 12-3-90
ADDRESS 1601 SAN FRANCISCO STREET LIGHTING		RECHECK DATE 2/91
OWNER/OPERATOR Milt McKintosh - Head		COMPUTER NUMBER 535008
MAILING ADDRESS Bill Andrews Field Supervisor		TIME IN TIME OUT
APPLICABLE LAW ☒ Calif. H & S Code, Sec. 25100, et Seq. ☒ Calif. Admin. Code, Title 22, Sec. 66011 et Seq.		PERMIT/LICENSE C40 981632230
☐ Title 23, Sec. 2810, et Seq ☐ Other		PROGRAM/ELEMENTS/SERVICE

VIOLATIONS	CLASS		The marked items represent violations of the above-referenced code(s) and must be corrected as follows:
HAZARDOUS WASTES	I	II	
Haz. Waste Determ.		1	(A) Any amount greater than 2.5 spent mercury vapor lamps and/or other mercury containing lamps such as fluorescent tube, high pressure halide lamps must be managed and disposed of as hazardous waste. (B) Determine if outlet for wastewater from crushing operation of low pressure sodium, Na, lamps is a storm drain or sewer outlet. If it is a storm drain, discontinue operation. Possibly relocate crushing operation where flow of wastewater can be directed into a sewer system. (C) Repair dumpster to provide more secure coverage from residual sodium in lamp reacting with water.
EPA ID Number		2	
Storage, 90 Days	3	4	
Storage, Containers	5	6	
Storage, Tanks	7	8	
Storage, Security	9	10	
Pre-Transportation Requirements		11	
Registered	12	13	
Manifests		14	
Disposal	15	16	
Preparedness		17	
Contingency Plan		18	
Employee Training		19	
Records, Reports		20	
Local Permit		21	
UNDERGROUND TANKS			Note: Low pressure Na lamps provide for most of City of LB street lighting. Disposal is by crushing lamps in covered dumpster equipped with a H₂O spray system. This process makes Na unreactive. The pH of wastewater from exit point at dumpster is 11 + pH is 10 at about 7 feet away from dumpster.
Permit to Operate	22		
Approved Construction	23		
Monitoring System Installed	24		
Monitoring Operational	25		
Unauthor. Releases, Occurrence	26		
Unauthorized Releases, Reports	27		
Abandonment	28		
INFECTIOUS WASTES			
Storage, Containers	29		
Treatment/Disposal	30		
Transfer Off Site	31		
TSD Facility	32		
OCCUPATIONAL HAZARDS			
Respiratory Hazards	33		
Skin Hazard	34		
Eye Hazard	35		
Noise Level	36		
General Physical Hazard	37		
General Safety Hazard	38		
Personal Protection	39		
Toilets, Wash Facilities	40		
Eating Area	41		
Material Labeling	42		
Employee Training	43		
General Sanitation	44		

INSPECTOR *Cheryl P. Pineda*

RECEIVED BY: *[Signature]*

SIGNATURE *[Signature]*

OFFICIAL INSPECTION REPORT (continued)

Telephone: 427-7421

Date 11-26-90

1601 SAN FRANCISCO

① STREET LIGHTING — 4 crew member + Bill Andrews
Disposal is thin crushing with H₂O
to prevent igniting?

H₂O just runs through a down that's always
clogged
crushed
200 lamps/week

Ray Holland → Dir PW
Tom Commey — Mgr of PW yard San Francisco

Jack Sotelo → Industrial Converter Regional Prog Eng Mgr
PHILLIPS Light
(714) 447-5364 or
5367

High Pressure Halide — white light
High Pressure Na — pink orange light

11-30-90 10:30 am met w/ Bill Andrews

SIGNING FOR RECEIPT OF THE ABOVE NOTICE IS NOT AN ADMISSION OF THE FACTS OF THE VIOLATION(S) SET FORTH THEREIN.
Health Officer

Received by

Position

By

R.S.

DISTRICT SANITARIAN

DATE: 11-27-90 10:00 am

NOTE TO FILE

REGARDING ADDRESS: _____

NOTE: _____

Discussion with Diane Peebler of Waste Evaluation Unit
CA-DOTS Alternative Technology Section

① Any info on ^{disposal} low pressure Na lamps? none as of now

② Available recycler in the bay area Quick Silver
(415) 468-2000 who does both fluorescent
bulbs & low pressure Na lamps

③ Interim regulation is 25 tubes/day of fluorescent
bulbs can be thrown in regular trash [Maybe
changed due to recent TCEP because of Hg content]

④ Suggested options:

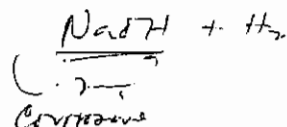
(a) Return to supplier

(b) Use recycler

Told her that present technique is to crush lamps in
presence of H_2O (to prevent ignition in trash) & then throw
crushed material into trash.

If lamp is burned out — there's no more reactive Na +
possibly can be thrown in trash IF there's no other
hazardous ingredient

If lamp is not burned out — wetting w/ H_2O is to react
Na to make it unreactive but



DATE: 11-27-90 11:10 am

NOTE TO FILE

REGARDING ADDRESS: _____

NOTE: _____

Quick Silver reference: Bob Roberts (818) 303-2053
for southern CA generators.

per Bob Roberts: Low Pressure Na lamps — yellow burning
does not contain Hg + therefore can be crushed
w/ water to make Na unreactive (with proper
precaution)

High Pressure Na lamps → or any lamp
that is white light contains Hg

Call PHILLIPS Light

HAZARDOUS WASTE PROGRAM OFFICIAL INSPECTION REPORT

CITY OF LONG BEACH DEPARTMENT OF PUBLIC HEALTH
DIVISION OF ENVIRONMENTAL HEALTH
2655 PINE AVENUE TELEPHONE 427-7421

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HAZARDOUS WASTE PROGRAM OFFICIAL INSPECTION REPORT

CITY OF LONG BEACH DEPARTMENT OF PUBLIC HEALTH
DIVISION OF ENVIRONMENTAL HEALTH
2655 PINE AVENUE TELEPHONE 427-7421

PHONE		CT 5754																																																																																																																																			
DBA/NAME CITY OF LONG BEACH - DEPT OF PUBLIC WORKS		DATE 12-5-90																																																																																																																																			
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INSPECTOR Chap J. Jones		RECEIVED BY:																																																																																																																																			
SIGNATURE Jesse Simmons																																																																																																																																					

DATE: 12-6-90

NOTE TO FILE

REGARDING ADDRESS: 1725 SAN FRANCISCO

NOTE:

per. telecon with Gary Gravel - 508-2383

(1) Have contacted 5 consultants to the site
characterization on 12-3-90

(2) All 5 consultants will submit proposals
to them & then they will choose

(3) QUESTION: How long will it take to
evaluate proposals & choose one,
G Gravel said within 1-2 months

(4) REMINDER G Gravel that before anything
can be done with the site the application for
permit must be submitted to Health Dept
He said he's aware of this & the chosen
consultant will be asked to ~~prepare~~ complete
application for DPH because they don't have
anybody in house to do it.

CALL G. Gravel on 12-6-1991
if no correspondence is received
regarding application for permit

December 10, 19090

Tom Commeau
Manager, Public Service Bureau
Dept. of Public Works
1601 San Francisco
Long Beach, CA 90806

Dear Mr. Commeau:

The following are my findings during the routine inspections conducted at the Public Service (PS) yard, 1601 San Francisco address. Some are violations of the Health and Safety Code and others are problems that need to be resolved. This can be accomplished by a commitment on management to not only provide the leadership but also provide specific ways/solutions to supervisors of each section.

- that need to be corrected*
- A. Transporting of waste oil to Fleet Services facility at 2801 Willow by PS personnel is illegal since PS is not a registered hazardous waste hauler. (Health & Safety Code, HSC, Sec 208, 25150 and 25159)
 - ~~HA. Put into operation immediately the vacuum system installed a year ago at Bldg. 4415 for waste solvent generated by maintenance and repair of chain saw equipments.~~
 - B. Proper labeling of containers for hazardous wastes. The labels must indicate required information and must be clearly visible. (HSC Sec 208, 25159 and 25159.5)
 - C. Paint contaminated sawdust, oil contaminated absorbent materials/sand and mercury containing lamps must be disposed as hazardous wastes using a registered hazardous waste hauler. (HSC Sec 208, 25141 and 25150)
 - D. Material safety data sheets, MSDS, must be readily accessible to employees when they are in their work areas. (Hazardous Substances Information & Training Act 1980 Labor Code Sections 6360-6399.7)
 - E. Set up guidelines for the use and management of hazardous waste manifests generated by each section. (HSC Sec 208, 25159 and 25159.5 Reference standards Title 22 California Code of Regulations 66480 thru 66484)
 - F+J* *next job* **G.** Relocate "crushing operation" for low pressure sodium lamps used for street lighting to direct wastewater generated to a sewer system. Repair or replace current dumpster to provide safer condition and efficient de-activation of lamps.
 - H.** Repair solvent tank located at Storage Shed #4140 to properly manage solvent used in cleaning equipment parts.
 - I.** Put into operation immediately the vacuum system installed a year ago at Bldg. 4415 for waste solvent generated by maintenance and repair of chain saw equipments.

Here are some suggestions:

- 1. Look into having the registered hazardous waste hauler contracted for Fleet Service at 2801 Willow to pick-up waste oil at this PS yard. This might be an item that need to be considered for PS budget for the coming year.

every 90 days

2. Designate an area to consolidate hazardous waste streams generated at this yard. Determine what other waste streams and how much of each type is generated. This will provide information on how to manage hazardous wastes as far as:
- (a) decision of storage location/s within the yard and appropriate procedures to follow regarding storage
 - (b) time scheduling for disposal of each waste streams
 - (c) assignment of personnel

To date, waste streams that have been identified are:

Waste oil
Paint contaminated sawdust
Oil contaminated absorbent material/sand
Waste oil
Waste solvent
Used paint filters from spray booth
Mercury vapor lamps and other mercury containing light tubes/bulbs
Asbestos (structural section)

- insert
on
1st page* ←
- F. Prepare a contingency plan for the yard. (HSC Sec 208, 25159 and 25159.5)
 - J. Repair containment structure for waste paint related materials (near Bldg. 4150)

If you have any questions or if I can be of further assistance to you, please ~~ask~~ contact me at (213) 427-7421 ex 4127. All violations must be corrected immediately.

Respectfully submitted,

Cheryl S. Sandel
Hazardous Materials Specialist I

HAZARDOUS WASTE PROGRAM OFFICIAL INSPECTION REPORT

CITY OF LONG BEACH DEPARTMENT OF PUBLIC HEALTH
DIVISION OF ENVIRONMENTAL HEALTH
2655 PINE AVENUE TELEPHONE 427-7421

12-14-90

PHONE		CT
DBA/NAME		DATE
ADDRESS		REGCHECK DATE
OWNER/OPERATOR		COMPUTER NUMBER
MAILING ADDRESS		TIME IN TIME OUT
APPLICABLE LAW		PERMIT/LICENSE
☒ Calif. H & S Code, Sec. 25100, et Seq. ☒ Calif. Admin. Code, Title 22, Sec. 66011 et Seq.		PROGRAM/ELEMENTS/SERVICE
☐ Title 23, Sec. 2610, et Seq. ☐ Other		

VIOLATIONS	CLASS		The marked items represent violations of the above-referenced codes and must be corrected as follows:
HAZARDOUS WASTES	I	II	
Haz. Waste Determ.		1	(A) Dispose of paint contaminated saw dust as hazardous waste using registered hazardous waste hauler. (B) All containers of chemicals, paints & waste materials must be kept closed until until need to access them either to remove or add material. (C) Provide a visible sign FLAMMABLE on locked area where where flammable bulk chemicals are stored. (D) Determine if paint used inside spray booth is hazardous. If it is then paint filter must be disposed of as hazardous waste. Send a letter regarding result of determination to Health Dept. Attn: Cheryl S. Sordal. (E) Provide guidelines for the use & disposal maintenance of hazardous wastes manifest to each sub-section of Structural <u>Note</u> Send a package for proper use of manifest to Cheryl S. Sordal Winfield.
EPA ID Number		2	
Storage, 90 Days	3	4	
Storage, Containers	5	6	
Storage, Tanks	7	8	
Storage, Security	9	10	
Pre-Transportation Requirements		11	
Registered	12	13	
Manifests		14	
Disposal	15	16	
Preparedness		17	
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HAZARDOUS WASTE PROGRAM OFFICIAL INSPECTION REPORT

CITY OF LONG BEACH DEPARTMENT OF HEALTH AND HUMAN SERVICES
DIVISION OF ENVIRONMENTAL HEALTH
2655 PINE AVENUE TELEPHONE 427-7421

page 1 of 3

PHONE	432-8904 ext 222	CT	5754
DBA/NAME	CITY OF LONG BEACH - PUBLIC SERVICE	DATE	1-28-91
ADDRESS	1725 SAN FRANCISCO ST. (STREET MAINTENANCE)	RECHECK DATE	6-24-91
OWNER/OPERATOR	JESSE SIMMONS Bldg 4420	COMPUTER NUMBER	532008
MAILING ADDRESS		TIME IN	9:50 am
APPLICABLE LAW	☐ Calif. H & S Code, Sec. 25100, et Seq. ☐ Calif. Admin. Code, Title 22, Sec. 66011 et Seq.	PERMIT/LICENSE	CAO 981632235
	☐ Title 23, Sec. 2610, et Seq. ☐ Other	PROGRAM/ELEMENTS/SERVICE	2223/3

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Storage, Containers	5	6
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The marked items represent violations of the above-referenced code(s) and must be corrected as follows:

Northwest corner of facility

(A) COVER 1 EA 55-GAL DRUM CONTAINING WASTE OIL AND LABEL WITH "HAZARDOUS WASTE LABEL" COMPLETELY FILLED OUT.

ALL CONTAINERS MUST BE CLOSED AT ALL TIMES UNTIL USED TO ACCESS THE CONTAINER/ENTER TO ADD OR REMOVE MATERIAL.

(B) NO "ACCUMULATION START DATE" INDICATED ON THE HAZARDOUS WASTE LABELS OF 4 55-gal DRUMS CONTAINING "SOLIDIFIED WASTE OIL" (2 EA 55-GAL DRUMS CONTAINER HAVE 1-8-91 ACCUMULATION START DATE)

(C) RE-LABEL 2 EA REDDISH BROWN COLORED 15-GAL DRUMS TO INDICATE CONTENTS. FOUND NEAR "ODOR CONTROL" DRUMS.

Bldg. 4300 - TRAFFIC PAINT AREA

3 EA 55-GAL DRUMS USED TO CONTAIN WASTE PAINT RELATED MATERIALS (1 empty; 1 ca 1/3 full and 1 possibly half full)

(D) INDICATE ACCUMULATION START DATE ON HAZARDOUS LABEL OF ONE OF DRUMS AND AS NEEDED ON TWO OTHER DRUMS

RECEIVED BY: CHERYL S. SANDELL

INSPECTOR: Cheryl S. Sandell

SIGNATURE: [Signature]

HAZARDOUS WASTE PROGRAM OFFICIAL INSPECTION REPORT

CITY OF LONG BEACH DEPARTMENT OF HEALTH AND HUMAN SERVICES
DIVISION OF ENVIRONMENTAL HEALTH
2655 PINE AVENUE TELEPHONE 427-7421

page 2 of 3

PHONE	432-8904 LH. 2218		CT	5754
DBA/NAME	CITY OF LONG BEACH - PUBLIC SERVICE		DATE	1-28-91
ADDRESS	1725 SAN FRANCISCO ST. (STREET MAINTENANCE)		RECHECK DATE	6-24-91
OWNER/OPERATOR	JESSE SIMMONS BLDG. 4422		COMPUTER NUMBER	532008
MAILING ADDRESS			TIME IN	9:50am
APPLICABLE LAW	☐ Calif. H & S Code, Sec. 25100, et Seq. ☐ Calif. Admin. Code, Title 22, Sec. 66011 et Seq. ☐ Title 23, Sec. 2610, et Seq. ☐ Other		PERMIT/LICENSE	CAO 981632-235
			PROGRAM/ELEMENTS/SERVICE	2223/3

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Haz. Waste Determ.		1	SOUTHERN END OF PROPERTY NEAR BLDG. 4150
EPA ID Number		2	
Storage, 90 Days	3	4	
Storage, Containers	5	6	CONTAINMENT STRUCTURE FOR 6 EA 55-GAL
Storage, Tanks	7	8	DRUMS FOR WASTE PAINT RELATED MATERIALS HAS
Storage, Security	9	10	BEEN REPAIRED. HAZARDOUS WASTE LABELS
Pre-Transportation Requirements		11	ON EACH OF 6 DRUMS IN PLACE BUT UNREPAIRABLE
Registered	12	13	DUE TO WEATHERY CONDITION / MATERIAL CONTAMINATION
Manifests		14	(E) MARK OR PAINT WITH FOLLOWING WORDS
Disposal	15	16	THE BACK WALL OF CONTAINMENT STRUCTURE:
Preparedness		17	CAUTION - HAZARDOUS WASTES
Contingency Plan		18	(F) FINAL NOTICE
Employee Training		19	DETERMINE CONTENTS OF 4 EA 55-GAL
Records, Reports		20	CONTAINERS NOTED DURING 11-26-90 INSPECTION
Local Permit		21	SEND LETTER TO HEALTH DEPT REGARDING
UNDERGROUND TANKS			DISPOSITION OF THESE MATERIALS (1 EA YELLOW
Permit to Operate	22		CONTAINER MARKED "SHELL TELLUS 25"; 3 EA
Approved Construction	23		UNMARKED BLACK COLORED CONTAINERS)
Monitoring System Installed	24		(G) DETERMINE CONTENTS OF 6 EA 55-GAL
Monitoring Operational	25		DRUMS. SOME HAD MARKINGS "PAINT STREET
Unauthor. Releases, Occurrence	26		MARKING LIQUID THERMOPLASTIC 23 29A 9H YELLOW
Unauthorized Releases, Reports	27		AND ONE SEEM EMPTY
Abandonment	28		
INFECTIOUS WASTES			
Storage, Containers	29		
Treatment/Disposal	30		
Transfer Off Site	31		
TSD Facility	32		
OCCUPATIONAL HAZARDS			
Respiratory Hazards	33		
Skin Hazard	34		
Eye Hazard	35		
Noise Level	36		
General Physical Hazard	37		
General Safety Hazard	38		
Personal Protection	39		
Toilets, Wash Facilities	40		
Eating Area	41		
Material Labeling	42		
Employee Training	43		
General Sanitation	44		

INSPECTOR	CHERYL S. SANDER	SIGNATURE	J. Simmons
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HAZARDOUS WASTE PROGRAM OFFICIAL INSPECTION REPORT

CITY OF LONG BEACH DEPARTMENT OF HEALTH AND HUMAN SERVICES
 DIVISION OF ENVIRONMENTAL HEALTH
 2655 PINE AVENUE TELEPHONE 427-7421

Page 3 of 3

PHONE 432-8904 ext 2218		CT 5754
DBA/NAME CITY OF LONG BEACH - PUBLIC SERVICE		DATE 1-28-91
ADDRESS 1725 SAN FRANCISCO (STREET MAINTENANCE)		RECHECK DATE 6-24-91
OWNER/OPERATOR JESSE STAMMONS BLDG. 4420		COMPUTER NUMBER 532008
MAILING ADDRESS		TIME IN 9:59am TIME OUT
APPLICABLE LAW ☐ Calif. H & S Code, Sec. 25100, et Seq. ☐ Calif. Admin. Code, Title 22, Sec. 66011 et Seq. ☐ Title 23, Sec. 2610, et Seq. ☐ Other		PERMIT/LICENSE CAO 98/632235 PROGRAM/ELEMENTS/SERVICE 2223X3
VIOLATIONS CLASS The marked items represent violations of the above-referenced code(s) and must be corrected as follows:		
HAZARDOUS WASTES	I II	
Haz. Waste Determ.		1
EPA ID Number		2
Storage, 90 Days	3	4
Storage, Containers	5	6
Storage, Tanks	7	8
Storage, Security	9	10
Pre-Transportation Requirements		11
Registered	12	13
Manifests		14
Disposal	15	16
Preparedness		17
Contingency Plan		18
Employee Training		19
Records, Reports		20
Local Permit		21
UNDERGROUND TANKS Permit to Operate 22 Approved Construction 23 Monitoring System Installed 24 Monitoring Operational 25 Unauthor. Releases, Occurrence 26 Unauthorized Releases, Reports 27 Abandonment 28		
INFECTIOUS WASTES Storage, Containers 29 Treatment/Disposal 30 Transfer Off Site 31 TSD Facility 32		
OCCUPATIONAL HAZARDS Respiratory Hazards 33 Skin Hazard 34 Eye Hazard 35 Noise Level 36 General Physical Hazard 37 General Safety Hazard 38 Personal Protection 39 Toilets, Wash Facilities 40 Eating Area 41 Material Labeling 42 Employee Training 43 General Sanitation 44		
BLDG. 4415 (H) Final Notice Label 55-GAL DRUMS USED TO CONTAIN WASTE OIL WITH "HAZARDOUS WASTE" LABEL COMPLETELY FILLED OUT.		RECEIVED BY: CHERYL S. SANDEL INSPECTOR Cheryl S. Sandel SIGNATURE

OFFICIAL INSPECTION REPORT (continued)

Telephone: 427-7421

STREET MAINTENANCE

Date 1-28-71

1725 SAN FRANCISCO

Public Service

per J. Simmons → to his knowledge PS personnel still take waste oil to Fleet Service @ Willow/Tangle

→ informed J. Simmons of City's liability & embarrassment if any of PS personnel transporting waste oil to Fleet Service get into accident; PS is not registered hazardous waste hauler

→ J. Simmons will check if

a) Fleet Service (FS) is a registered ^{hazardous} waste hauler & if YES, make arrangements to have Fleet Service pick up waste oil

b) If FS is not registered HWH, then have contractor (registered hazardous waste hauler) pick up waste oil at this facility

→ How much "solidified waste oil" generated per month
used to be done with sand but now using "Floor Dry"
EPA 1610-10-100
CONTRACTOR DISPOSAL CONTROL
1369 W 9th St
Upland CA

→ Who takes care of transferring low Volatile crushing area?
Bill Andrews

→ Liquid portion from waste paint is recycled & 1/11's Paint Paint & solid portion by Disposal Control

SIGNING FOR RECEIPT OF THE ABOVE NOTICE IS NOT AN ADMISSION OF THE FACTS OF THE VIOLATION(S) SET FORTH THEREIN.
Health Officer

Received by _____ Position _____ By _____ R.S.

10,000 - Gallon
Gas + Diesel USTs
(#1 & #2)

AMERICAN TANK TESTING

Tank Testing, Monitoring Service, Helium Testing

24781 Mosquero Lane, Mission Viejo, CA 92691

Phone (714) 581-7518 ; Fax (714) 581-3867

City of Long Beach

2801 East Willow Street

Long Beach, CA 90806

Date : September 6, 1995

Attention Mr. David McCarty.

**Subject : UNDERGROUND TANK TESTING AND CERTIFICATION AT
STREET MAINTENANCE, 1725 SAN FRANCISCO,
LONG BEACH, CA 90813.**

Dear Mr. McCarty,

In accordance with our agreement we arrived at the subject facility on 8/30/95 to test two underground tank systems, using the UST2000/P and PL-400 leak detector methods. A full system test was performed with the following results.

Tank #	Capacity / Gall.	Product Type	Underfilled Test / GPH	Ullage Test	Product line test / GPH
1	10,000	Diesel Fuel	Pass/ - 0.002307	Pass	Pass/ -0.007151
2	10,000	Reg. Unleaded	Pass/ + 0.001372	Pass	Pass/ -0.012712

The tanks and the lines were certified with test result within the State standard of -0.05 GPH. Because of almost infinite variables involved, this is intended to be a mathematical tolerance and is not the permission of the actual leakage. Based on the above criteria, we find the tank **mathematically TIGHT.**

Enclosed you will find copies of the relevant technical test printouts and worksheets. More detailed information will be promptly made available to you as soon as you will request it.

Our company values your business immensely and we hope you will call us again next year, when testing will become due.

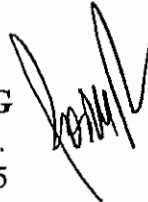
Very truly yours

AMERICAN TANK TESTING

Razvan " Ross " Raicu, M.S.E.E.

California State License # 90-1185

President



AMERICAN TANK TESTING

Tank Testing , Monitoring Service , Helium Testing
24781 Mosquero Lane , Mission Viejo , CA 92691
Phone (714) 581-7518 ; Fax (714) 581-3867

CAMPO / MILLER TESTER LOG PIPING TIGHTNESS DETERMINATION PL-400 FORMAT

TEST LOCATION : City of Long Beach / Street Maintenance
1725 Long Francisco
Long Beach, CA 90813

TEST OPERATOR : RAZVAN "ROSS" RAICU

STATE LICENSE # 90-1185

DATE OF TEST : 8-30-95

Tank #	Line Temp. Variance	Tester Temp. Variance	Air Modulus	Test Duration	Initial Pressure	Final Pressure	Volume Displaced	Leak Rate	PASS / FAIL
1-Dgl.	1	1	45	6/30	45	43	6	-0.007151	Pass
2-Uld.	1	1	60	8/30	48	45	8	-0.012712	Pass
X									

Temp = Fahrenheit Degree

Air Modulus = CC Units

Test Duration = Minutes

Pressure P.S.I.

Volume Displaced = CC Unite

Leak Rate = Gallons Per Hour (GPH)

Tester Signature : Razvan "Ross" Raicu , M.S.E.E.

Razvan Raicu 8-30-95
S.L. # 90-1185

INVOICE #AT000344

TEST DATE: 08/30/95

AMERICAN TANK TESTING
24781 MOSQUERO LANE
MISSION VIEJO, CA 92691
(714) 581-7518

TANK STATUS EVALUATION REPORT

***** CUSTOMER DATA *****

CITY OF LONG BEACH
2801 EAST WILLOW STREET

LONG BEACH, CA
90806

CONTACT: DAVID MCCARTY
PHONE #: 310-570-5410

***** SITE DATA *****

STREET MAINTENANCE
1725 SAN FRANCISCO

LONG BEACH, CA
90813

CONTACT: ROSA LEE
PHONE #: 310-570-2724

***** COMMENT LINES *****

CURRENT EPA STANDARDS DICTATE
THAT FOR UNDERGROUND FUEL TANKS, THE MAXIMUM ALLOWABLE LEAK/GAIN RATE
OVER THE PERIOD OF ONE HOUR IS .05 GALLONS.
THIS TEST WAS PERFORMED USING THE UST2000/P LEAK DETECTOR METHOD

TANK #1: DIESEL FUEL 2 TYPE: STEEL RATE: .002307 G.P.H. LOSS
TANK IS TIGHT.

TANK #2: REG UNLEADED TYPE: STEEL RATE: .001372 G.P.H. GAIN
TANK IS TIGHT.

OPERATOR: Razvan raicu; 90-1185 SIGNATURE: _____

DATE: 9/6/95

T A N K D A T A

	TANK NO. 1	TANK NO. 2	TANK NO. 3	TANK NO. 4
TANK DIAMETER (IN)	95	95		
LENGTH (FT)	27.16	27.16		
VOLUME (GAL)	10000	10000		
TYPE	ST	ST		
FUEL LEVEL (IN)	73	60		
FUEL TYPE	DIESEL 2	REG UNLD		
dVOL/dy (GAL/IN)	113.07	129.30		

CALIBRATION ROD	DISTANCE
1	10.65625
2	26.95313
3	41.93750
4	56.93750
5	74.93750

***** C U S T O M E R D A T A *****

JOB NUMBER : 000344
 CUSTOMER (COMPANY NAME) : CITY OF LONG BEACH
 CUSTOMER CONTACT(LAST, FIRST): DAVID MCCARTY
 ADDRESS - LINE 1 : 2801 EAST WILLOW STREET
 ADDRESS - LINE 2 :
 CITY, STATE : LONG BEACH, CA
 ZIP CODE (XXXXX-XXXX) : 90806
 PHONE NUMBER (XXX)XXX-XXXX : 310-570-5410

***** C O M M E N T L I N E S *****

***** S I T E D A T A *****

SITE NAME (COMPANY NAME) : STREET MAINTENANCE
 SITE CONTACT(LAST, FIRST) : ROSA LEE
 ADDRESS - LINE 1 : 1725 SAN FRANCISCO
 ADDRESS - LINE 2 :
 CITY, STATE : LONG BEACH, CA
 ZIP CODE (XXXXX-XXXX) : 90813
 PHONE NUMBER (XXX)XXX-XXXX : 310-570-2724

GROUND WATER LEVEL (FT) : 0
 NUMBER OF TANKS : 2
 LENGTH OF PRE-TEST (MIN) : 30
 LENGTH OF TEST (MIN) : 180

Cr:

CHANGE IN LEVEL (.001 INCHES)

TANK 1 START TIME:17:00:00:00 CURRENT TIME:18:00:00:00

C0: -.00065
C1: -.00020

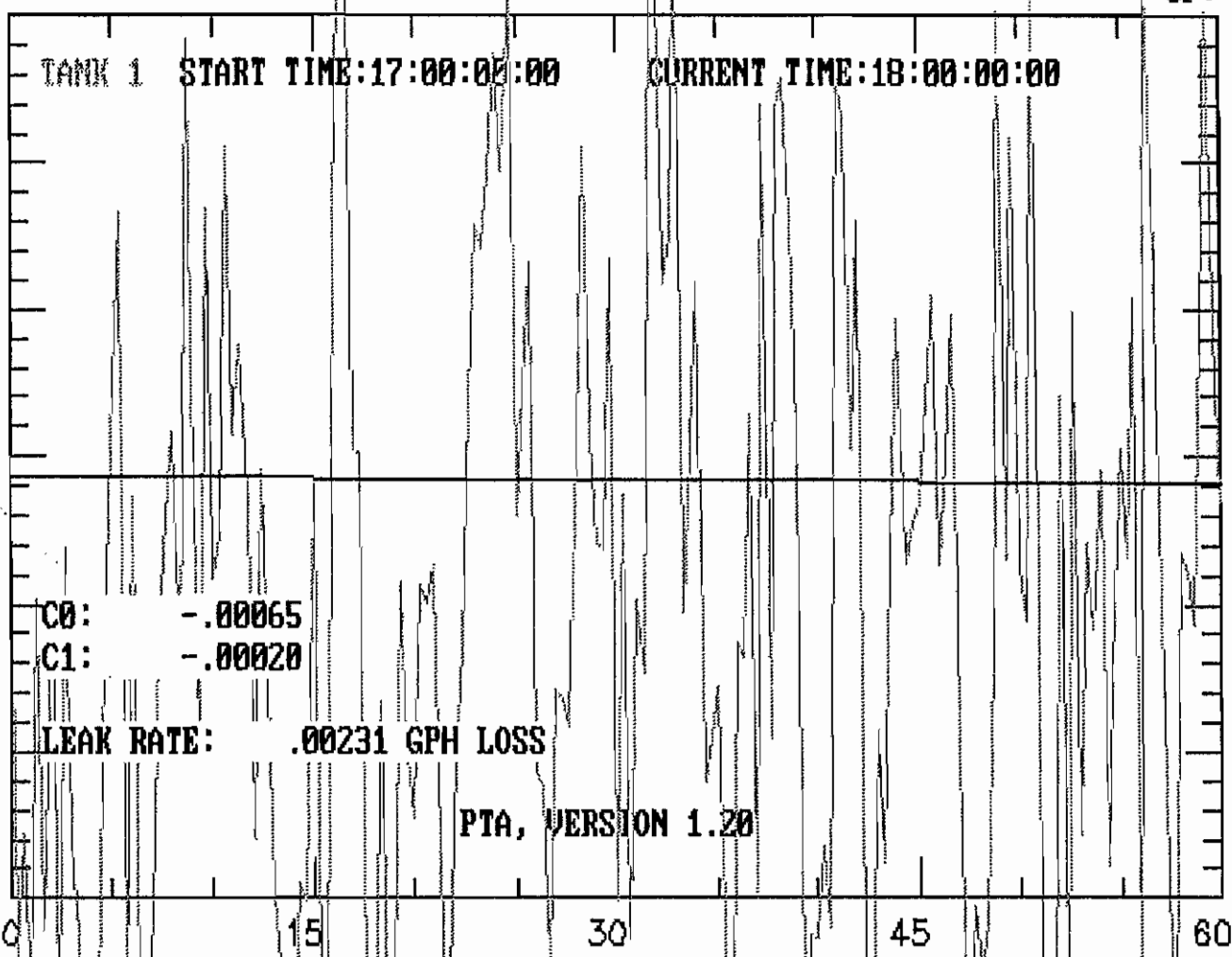
LEAK RATE: .00231 GPH LOSS

PTA, VERSION 1.20

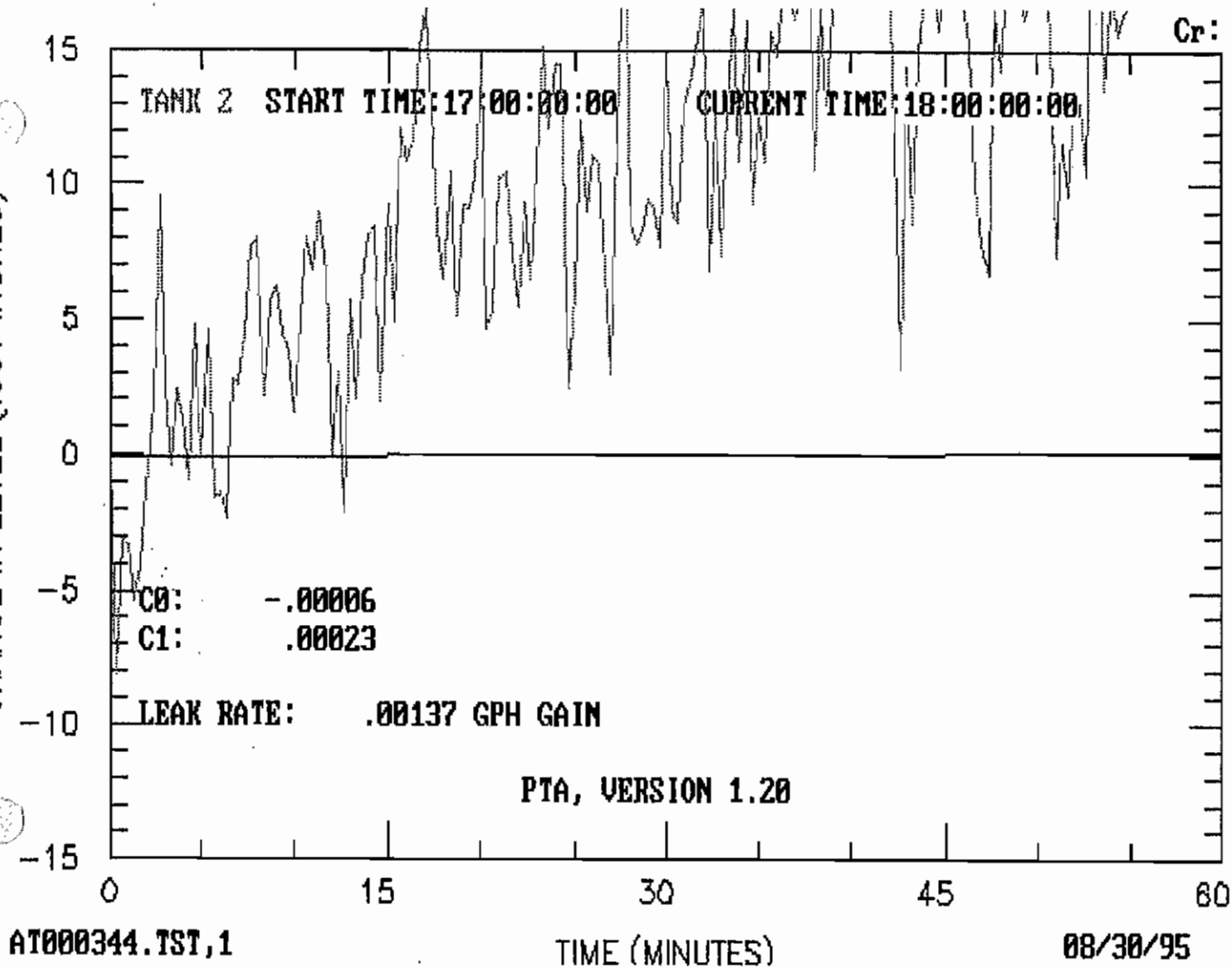
TIME (MINUTES)

AT000344.TST,1

08/30/95



CHANGE IN LEVEL (.001 INCHES)



INVOICE #AT000344

TEST DATE: 08/30/95

AMERICAN TANK TESTING
24781 MOSQUERO LANE
MISSION VIEJO, CA 92691
(714) 581-7518

TANK STATUS REPORT -- ULLAGE TEST

***** CUSTOMER DATA *****

CITY OF LONG BEACH
2801 EAST WILLOW STREET

LONG BEACH, CA
90806

CONTACT: DAVID MCCARTY
PHONE #: 310-570-5410

***** SITE DATA *****

STREET MAINTENANCE
1725 SAN FRANCISCO

LONG BEACH, CA
90813

CONTACT: ROSA LEE
PHONE #: 310-570-2724

***** COMMENT LINES *****

CURRENT EPA STANDARDS DICTATE
THAT FOR UNDERGROUND FUEL TANKS, THE MAXIMUM ALLOWABLE LEAK/GAIN RATE
OVER THE PERIOD OF ONE HOUR IS .05 GALLONS.
THIS TEST WAS PERFORMED USING THE UST2000/P LEAK DETECTOR METHOD

TANK #1: DIESEL FUEL 2 TYPE: STEEL SN: .25

TANK IS TIGHT.

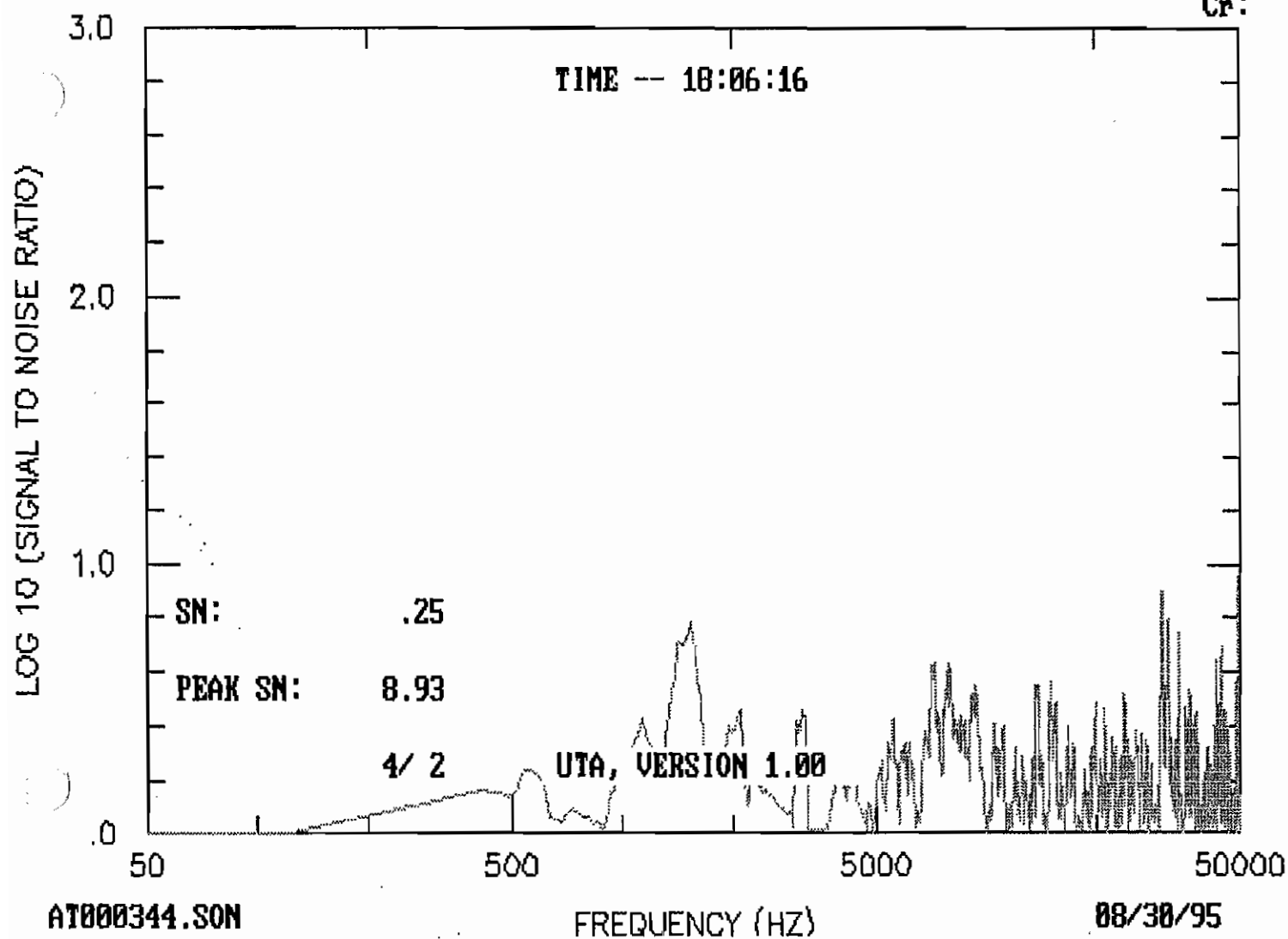
TANK #2: REG UNLEADED TYPE: STEEL SN: .30

TANK IS TIGHT.

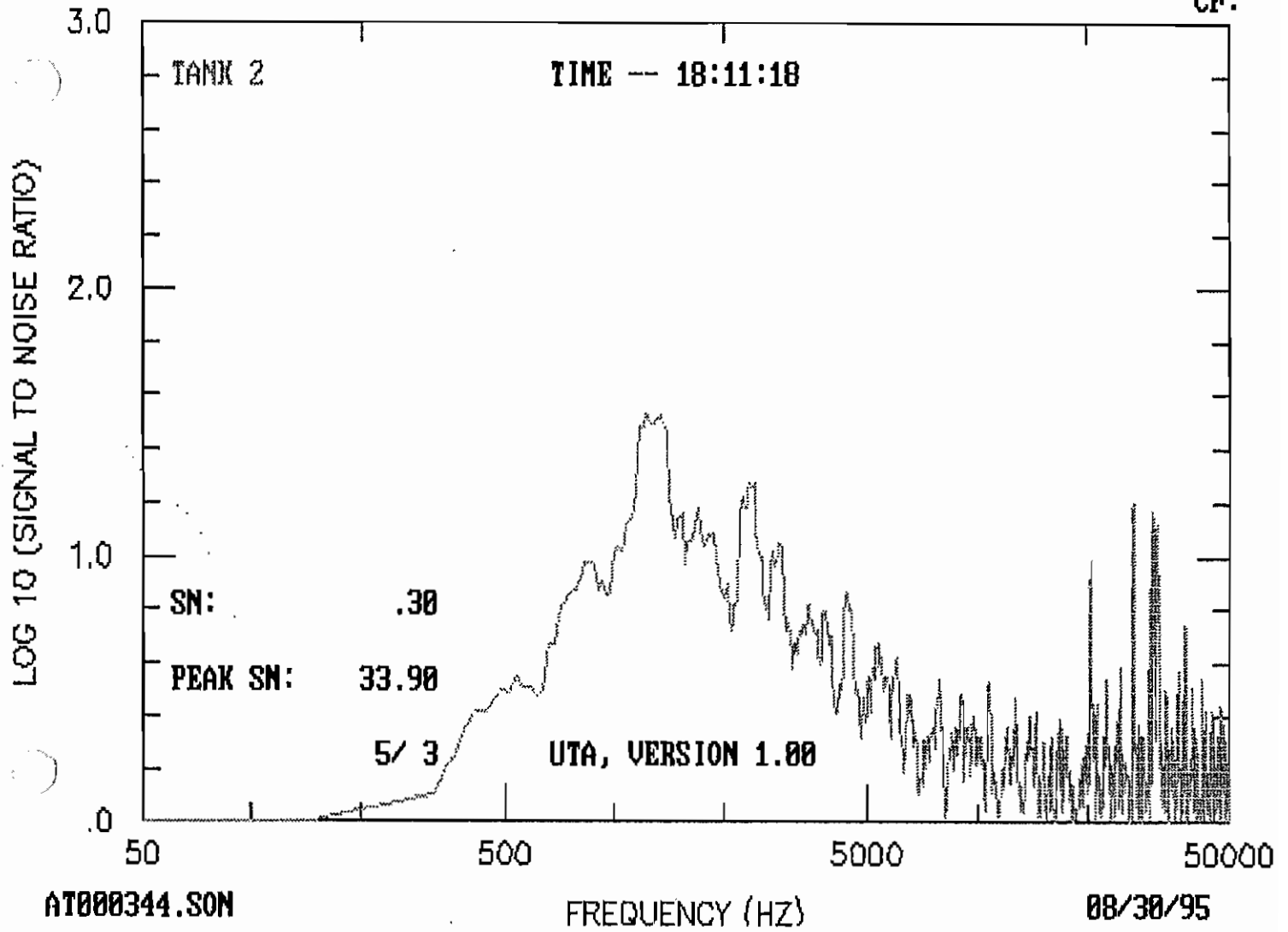
OPERATOR: Razvan Raicu; 90-1185 SIGNATURE: _____

DATE: 9/6/95

Cr:



Cr:





RECEIVED
SEP 18 1995
FIRE PREVENTION

Date: September 13, 1995

To: Thomas Hays, Inspector, Bureau of Fire Prevention

From: David McCarty, Administrative Supervisor

Subject: Underground Tank Testing, Public Works, 1725 San Francisco Avenue

Even though meetings are underway to reconstruct the San Francisco fuel site, the Fleet Services Bureau ordered the fuel tanks at this site tested for tightness to insure structural integrity. As you are well aware, the tanks at this facility are some of the oldest tanks owned by the City. With no assurance that construction of this site will begin this month integrity tests were ordered.

As the managing agency for the City's underground petroleum tank program, we were prepared to immediately close this site should the tanks have shown leakage.

The integrity tests were performed by a State licensed contractor on both 10,000 gal. fuel tanks and all product lines. The results were all positive and are enclosed for your records.

Fuel in these tanks will continue to be reconciled using the manual stick gauging method until construction of the site begins.

I would like to assure you we are committed to accomplishing every requirement established by your office.

Call if you have any questions. My number is x85410.

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD
UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM A

COMPLETE THIS FORM FOR EACH FACILITY/SITE



MARK ONLY ONE ITEM	☐ 1 NEW PERMIT	☐ 3 RENEWAL PERMIT	☒ 5 CHANGE OF INFORMATION	☐ 7 PERMANENTLY CLOSED SITE
	☐ 2 INTERIM PERMIT	☐ 4 AMENDED PERMIT	☐ 6 TEMPORARY SITE CLOSURE	

I. FACILITY/SITE INFORMATION & ADDRESS - (MUST BE COMPLETED)

NAME OR FACILITY NAME CITY OF LONG BEACH PUBLIC SERVICE MAINTENANCE YARD		NAME OF OPERATOR CITY OF LONG BEACH FLEET SERVICES	
ADDRESS 1601 SAN FRANCISCO AVE.		NEAREST CROSS STREET 15th Street	PARCEL # (OPTIONAL)
CITY NAME LONG BEACH	STATE CA	ZIP CODE 90802	SITE PHONE # WITH AREA CODE
☒ BOX TO INDICATE ☐ CORPORATION ☐ INDIVIDUAL ☐ PARTNERSHIP ☒ LOCAL AGENCY DISTRICTS* ☐ COUNTY AGENCY* ☐ STATE AGENCY* ☐ FEDERAL AGENCY*			
* If owner of UST is a public agency, complete the following: name of supervisor or division, section, or office which operates the UST <u>DAVID MCCARTY - CAB Fleet S</u>			
TYPE OF BUSINESS ☐ 1 GAS STATION ☐ 2 DISTRIBUTOR ☐ 3 FARM ☐ 4 PROCESSOR ☒ 5 OTHER		☐ IF INDIAN RESERVATION OR TRUST LAND	# OF TANKS AT SITE 25 E.P.A. I.D. # (optional) CAD981450687

EMERGENCY CONTACT PERSON (PRIMARY)

EMERGENCY CONTACT PERSON (SECONDARY) - optional

DAYS: NAME (LAST, FIRST) MCCARTY, DAVID	PHONE # WITH AREA CODE 562-570-5410	DAYS: NAME (LAST, FIRST)	PHONE # WITH AREA CODE
NIGHTS: NAME (LAST, FIRST) MCCARTY, DAVID	PHONE # WITH AREA CODE 562-570-5410	NIGHTS: NAME (LAST, FIRST)	PHONE # WITH AREA CODE

II. PROPERTY OWNER INFORMATION - (MUST BE COMPLETED)

NAME CITY OF LONG BEACH		CARE OF ADDRESS INFORMATION	
MAILING OR STREET ADDRESS 333 W. OCEAN BLVD., PLAZA LEVEL		☒ BOX TO INDICATE ☐ CORPORATION ☐ INDIVIDUAL ☒ LOCAL AGENCY ☐ STATE AGENCY ☐ PARTNERSHIP ☐ COUNTY AGENCY ☐ FEDERAL AGENCY	
CITY NAME LONG BEACH	STATE CA	ZIP CODE 90802	PHONE # WITH AREA CODE 562-570-5410

III. TANK OWNER INFORMATION - (MUST BE COMPLETED)

NAME OF OWNER CITY OF LONG BEACH		CARE OF ADDRESS INFORMATION	
MAILING OR STREET ADDRESS 333 W. OCEAN BLVD., PLAZA LEVEL		☒ BOX TO INDICATE ☐ CORPORATION ☐ INDIVIDUAL ☒ LOCAL AGENCY ☐ STATE AGENCY ☐ PARTNERSHIP ☐ COUNTY AGENCY ☐ FEDERAL AGENCY	
CITY NAME LONG BEACH	STATE CA	ZIP CODE 90802	PHONE # WITH AREA CODE 562-570-5410

IV. BOARD OF EQUALIZATION UST STORAGE FEE ACCOUNT NUMBER - Call (916) 322-9669 if questions arise.

TY (TK) HQ 44- [] [] [] [] [] []

V. PETROLEUM UST FINANCIAL RESPONSIBILITY - (MUST BE COMPLETED) - IDENTIFY THE METHOD(S) USED

☒ BOX TO INDICATE	☒ 1 SELF-INSURED	☐ 2 GUARANTEE	☐ 3 INSURANCE	☐ 4 SURETY BON
	☐ 5 LETTER OF CREDIT	☐ 6 EXEMPTION	☐ 7 OTHER	

VI. LEGAL NOTIFICATION AND BILLING ADDRESS Legal notification and billing will be sent to the tank owner unless box I or II is checked.

CHECK ONE BOX INDICATING WHICH ABOVE ADDRESS SHOULD BE USED FOR LEGAL NOTIFICATIONS AND BILLING: I ☐ II ☒ III ☐

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

OWNER'S NAME (PRINTED & SIGNED) John R. Whit	OWNER'S TITLE Project Manager	DATE 1/5/99
LOCAL AGENCY USE ONLY		

COUNTY # 119	JURISDICTION # 0610	FACILITY # [] [] [] [] [] []
LOCATION CODE - OPTIONAL	CENSUS TRACT # - OPTIONAL	SUPVSR - DISTRICT CODE - OPTIONAL

THIS FORM MUST BE ACCOMPANIED BY AT LEAST (1) OR MORE PERMIT APPLICATION - FORM B, UNLESS THIS IS A CHANGE OF SITE INFORMATION ONLY.
OWNER MUST FILE THIS FORM WITH THE LOCAL AGENCY IMPLEMENTING THE UNDERGROUND STORAGE TANK REGULATIONS

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD
UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM B



COMPLETE A SEPARATE FORM FOR EACH TANK SYSTEM.

MARK ONLY ONE ITEM	☐ 1 NEW PERMIT	☐ 3 RENEWAL PERMIT	☐ 5 CHANGE OF INFORMATION	☐ 7 PERMANENTLY CLOSED ON SITE
	☐ 2 INTERIM PERMIT	☐ 4 AMENDED PERMIT	☐ 6 TEMPORARY TANK CLOSURE	☒ 8 TANK REMOVED

DBA OR FACILITY NAME WHERE TANK IS INSTALLED: CITY OF LONG BEACH - PUBLIC SERVICE MAINTENANCE YARD

I. TANK DESCRIPTION COMPLETE ALL ITEMS - SPECIFY IF UNKNOWN

A. OWNER'S TANK I.D. # <u>TANK #1 UL# F185708</u>	B. MANUFACTURED BY: <u>COMWEL CO.</u>
C. DATE INSTALLED (MO/DAY/YEAR) <u>1966</u>	D. TANK CAPACITY IN GALLONS: <u>10,000</u>

II. TANK CONTENTS IF A-1 IS MARKED, COMPLETE ITEM C.

A. ☒ 1 MOTOR VEHICLE FUEL ☐ 2 PETROLEUM ☐ 3 CHEMICAL PRODUCT	☐ 4 OIL ☐ 50 EMPTY ☐ 55 UNKNOWN	B. ☒ 1 PRODUCT ☐ 2 WASTE
C. ☒ 1a REGULAR UNLEADED ☐ 1b PREMIUM UNLEADED ☐ 2 LEADED		
☐ 3 DIESEL ☐ 4 GASOLINE ☐ 5 JET FUEL ☐ 6 AVIATION GAS ☐ 7 METHANOL ☐ 99 OTHER (DESCRIBE IN ITEM D. BELOW)		

D. IF (A.1) IS NOT MARKED, ENTER NAME OF SUBSTANCE STORED _____ C.A.S.#: _____

III. TANK CONSTRUCTION MARK ONE ITEM ONLY IN BOXES A, B, AND C, AND ALL THAT APPLIES IN BOX D AND E

A. TYPE OF SYSTEM	☐ 1 DOUBLE WALL	☐ 3 SINGLE WALL WITH EXTERIOR LINER	☐ 55 UNKNOWN
	☒ 2 SINGLE WALL	☐ 4 SECONDARY CONTAINMENT (VAULTED TANK)	☐ 99 OTHER
B. TANK MATERIAL (Primary Tank)	☒ 1 BARE STEEL	☐ 2 STAINLESS STEEL	☐ 3 FIBERGLASS
	☐ 4 CONCRETE	☐ 6 POLYVINYL CHLORIDE	☐ 7 ALUMINUM
	☐ 9 BRONZE	☐ 16 GALVANIZED STEEL	☐ 99 UNKNOWN
C. INTERIOR LINING	☐ 1 RUBBER LINING	☐ 2 ALKYL LINING	☐ 3 EPOXY LINING
	☐ 5 GLASS LINING	☐ 4 UNLINED	☐ 6 PHENOLIC LINING
	IS LINING MATERIAL COMPATIBLE WITH 100% METHANOL? YES ___ NO ___		
D. CORROSION PROTECTION	☐ 1 POLYETHYLENE WRAP	☐ 2 COATING	☐ 3 VINYL WRAP
	☐ 5 CATHODIC PROTECTION	☐ 91 NONE	☐ 95 UNKNOWN
		☐ 4 FIBERGLASS REINFORCED PLASTIC	☐ 99 OTHER
E. SPILL AND OVERFILL	SPILL CONTAINMENT INSTALLED (YEAR) _____		OVERFILL PREVENTION EQUIPMENT INSTALLED (YEAR) _____

IV. PIPING INFORMATION CIRCLE A IF ABOVE GROUND OR U IF UNDERGROUND, BOTH IF APPLICABLE

A. SYSTEM TYPE	A <u>(U)</u> 1 SUCTION	A U 3 PRESSURE	A U 5 GRAVITY	A U 99 OTHER
B. CONSTRUCTION	A U 1 SINGLE WALL	A U 2 DOUBLE WALL	A U 3 LINED TRENCH	A U 95 UNKNOWN
C. MATERIAL AND CORROSION PROTECTION	A U 1 BARE STEEL	A U 2 STAINLESS STEEL	A U 3 POLYVINYL CHLORIDE (PVC)	A U 4 FIBERGLASS PIPE
	A U 5 ALUMINUM	A U 6 CONCRETE	A U 7 STEEL W/ COATING	A U 8 100% METHANOL COMPATIBLE W/PP
	A U 9 GALVANIZED STEEL	A U 10 CATHODIC PROTECTION	A U 95 UNKNOWN	A U 99 OTHER
D. LEAK DETECTION	☐ 1 AUTOMATIC LINE LEAK DETECTION	☐ 2 LINE TIGHTNESS TESTING	☐ 3 INTERMITTENT MONITORING	☐ 99 OTHER

V. TANK LEAK DETECTION

☐ 1 VISUAL CHECK	☐ 2 INVENTORY RECONCILIATION	☐ 3 VADGE MONITORING	☐ 4 AUTOMATIC TANK GAUGING	☐ 5 GROUND WATER MONITORING
☐ 6 TANK TESTING	☐ 7 INTERSTITIAL MONITORING	☐ 91 NONE	☐ 95 UNKNOWN	☐ 99 OTHER

VI. TANK CLOSURE INFORMATION

1. ESTIMATED DATE LAST USED (MO/DAY/YR) _____	2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING _____ GALLONS	3. WAS TANK FILLED WITH INERT MATERIAL? YES ☐ NO ☐
---	--	--

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

APPLICANT'S NAME (PRINTED & SIGNED) <u>John R. White Jr</u>	DATE <u>1/5/99</u>
---	--------------------

LOCAL AGENCY USE ONLY THE STATE I.D. NUMBER IS COMPOSED OF THE FOUR NUMBERS BELOW

STATE I.D.#	COUNTY # <u>19</u>	JURISDICTION # <u>000</u>	FACILITY # <u>0000</u>	TANK # <u>000001</u>
PERMIT NUMBER	PERMIT APPROVED BY/DATE		PERMIT EXPIRATION DATE	

THIS FORM MUST BE ACCOMPANIED BY A PERMIT APPLICATION - FORM A, UNLESS A CURRENT FORM A HAS BEEN FILED.
FILE THIS FORM WITH THE LOCAL AGENCY IMPLEMENTING THE UNDERGROUND STORAGE TANK REGULATIONS

STATE WATER RESOURCES CONTROL BOARD
UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM B



COMPLETE A SEPARATE FORM FOR EACH TANK SYSTEM

MARK ONLY ONE ITEM	☐ 1 NEW PERMIT	☐ 3 RENEWAL PERMIT	☐ 5 CHANGE OF INFORMATION	☐ 7 PERMANENTLY CLOSED ON SITE
	☐ 2 INTERIM PERMIT	☐ 4 AMENDED PERMIT	☐ 6 TEMPORARY TANK CLOSURE	☒ 8 TANK REMOVED

DBA OR FACILITY NAME WHERE TANK IS INSTALLED: CITY OF LONG BEACH - PUBLIC SERVICE MAINTENANCE YARD

I. TANK DESCRIPTION COMPLETE ALL ITEMS - SPECIFY IF UNKNOWN

A. OWNER'S TANK I.D. # <u>TANK # 2 UL# D875086</u>	B. MANUFACTURED BY: <u>725 San Francisco National Tank & Manufacturing</u>
C. DATE INSTALLED (MO/DAY/YEAR) <u>11/5/59</u>	D. TANK CAPACITY IN GALLONS: <u>10,000</u>

II. TANK CONTENTS IF A-1 IS MARKED, COMPLETE ITEM C.

A. ☒ 1 MOTOR VEHICLE FUEL	☐ 4 OIL	B. ☒ 1 PRODUCT	C. ☐ 1a REGULAR UNLEADED	☒ 3 DIESEL	☐ 6 AVIATION GAS
☐ 2 PETROLEUM	☐ 50 EMPTY	☐ 2 WASTE	☐ 1b PREMIUM UNLEADED	☐ 4 GASOLINE	☐ 7 METHANOL
☐ 3 CHEMICAL PRODUCT	☐ 95 UNKNOWN		☐ 2 LEADED	☐ 5 JET FUEL	☐ 99 OTHER (DESCRIBE IN ITEM D. BELOW)

D. IF (A.1) IS NOT MARKED, ENTER NAME OF SUBSTANCE STORED _____ C.A.S.#: _____

III. TANK CONSTRUCTION MARK ONE ITEM ONLY IN BOXES A, B, AND C, AND ALL THAT APPLIES IN BOX D AND E

A. TYPE OF SYSTEM	☐ 1 DOUBLE WALL	☐ 3 SINGLE WALL WITH EXTERIOR LINER	☐ 55 UNKNOWN
	☒ 2 SINGLE WALL	☐ 4 SECONDARY CONTAINMENT (VAULTED TANK)	☐ 99 OTHER
B. TANK MATERIAL (Primary Tank)	☒ 1 BARE STEEL	☐ 2 STAINLESS STEEL	☐ 3 FIBERGLASS
	☐ 5 CONCRETE	☐ 6 POLYVINYL CHLORIDE	☐ 7 ALUMINUM
	☐ 9 BRONZE	☐ 10 GALVANIZED STEEL	☐ 55 UNKNOWN
C. INTERIOR LINING	☐ 1 RUBBER LINING	☐ 2 ALKYL LINING	☐ 3 EPOXY LINING
	☐ 5 GLASS LINING	☐ 6 UNLINED	☐ 99 UNKNOWN
	IS LINING MATERIAL COMPATIBLE WITH 100% METHANOL? YES ☐ NO ☐		
D. CORROSION PROTECTION	☐ 1 POLYETHYLENE WRAP	☐ 2 COATING	☐ 3 VINYL WRAP
	☐ 5 CATHODIC PROTECTION	☐ 91 NONE	☐ 95 UNKNOWN
E. SPILL AND OVERFILL	SPILL CONTAINMENT INSTALLED (YEAR) _____		OVERFILL PREVENTION EQUIPMENT INSTALLED (YEAR) _____

IV. PIPING INFORMATION CIRCLE A IF ABOVE GROUND OR U IF UNDERGROUND, BOTH IF APPLICABLE

A. SYSTEM TYPE	A ☒ 1 SUCTION	A U ☐ 2 PRESSURE	A U ☐ 3 GRAVITY	A U ☐ 99 OTHER
B. CONSTRUCTION	A U ☐ 1 SINGLE WALL	A U ☐ 2 DOUBLE WALL	A U ☐ 3 LINED TRENCH	A U ☐ 99 UNKNOWN
C. MATERIAL AND CORROSION PROTECTION	A U ☐ 1 BARE STEEL	A U ☐ 2 STAINLESS STEEL	A U ☐ 3 POLYVINYL CHLORIDE (PVC)	A U ☐ 4 FIBERGLASS PIPE
	A U ☐ 5 ALUMINUM	A U ☐ 6 CONCRETE	A U ☐ 7 STEEL W/COATING	A U ☐ 8 100% METHANOL COMPATIBLE W/PP
	A U ☐ 9 GALVANIZED STEEL	A U ☐ 10 CATHODIC PROTECTION	A U ☐ 95 UNKNOWN	A U ☐ 99 OTHER
D. LEAK DETECTION	☐ 1 AUTOMATIC LINE LEAK DETECTOR	☐ 2 LINE TIGHTNESS TESTING	☐ 3 INSPECTION	☐ 99 OTHER

V. TANK LEAK DETECTION

☐ 1 VISUAL CHECK	☐ 2 INVENTORY RECONCILIATION	☐ 3 PROBE MONITORING	☐ 4 AUTOMATIC TANK GAUGING	☐ 5 GROUND WATER MONITORING
☐ 6 TANK TESTING	☐ 7 INTERMITTENT MONITORING	☐ 91 NONE	☐ 95 UNKNOWN	☐ 99 OTHER

VI. TANK CLOSURE INFORMATION

1. ESTIMATED DATE LAST USED (MO/DAY/YR) _____	2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING _____ GALLONS	3. WAS TANK FILLED WITH BEST MATERIAL? YES ☐ NO ☐
---	--	---

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

APPLICANT'S NAME
(PRINTED & SIGNED)

John R. White

DATE

1/5/99

LOCAL AGENCY USE ONLY THE STATE I.D. NUMBER IS COMPOSED OF THE FOUR NUMBERS BELOW

STATE I.D.#	COUNTY #	JURISDICTION #	FACILITY #	TANK #
	<u>17</u>	<u>000</u>	<u>0000</u>	<u>000002</u>
PERMIT NUMBER	PERMIT APPROVED DATE	PERMIT EXPIRATION DATE		

THIS FORM MUST BE ACCOMPANIED BY A PERMIT APPLICATION - FORM A, UNLESS A CURRENT FORM A HAS BEEN FILED.
FILE THIS FORM WITH THE LOCAL AGENCY IMPLEMENTING THE UNDERGROUND STORAGE TANK REGULATIONS

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD
UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM B



COMPLETE A SEPARATE FORM FOR EACH TANK SYSTEM

MARK ONLY ONE ITEM	☐ 1 NEW PERMIT	☐ 3 RENEWAL PERMIT	☐ 5 CHANGE OF INFORMATION	☐ 7 PERMANENTLY CLOSED ON SITE
	☐ 2 INTERIM PERMIT	☐ 4 AMENDED PERMIT	☐ 6 TEMPORARY TANK CLOSURE	☒ 8 TANK REMOVED

DBA OR FACILITY NAME WHERE TANK IS INSTALLED: CITY OF LONG BEACH - PUBLIC SERVICE MAINTENANCE YARD

I. TANK DESCRIPTION COMPLETE ALL ITEMS - SPECIFY IF UNKNOWN

A. OWNER'S TANK I.D. # TANK # 3 UL # 27606	B. MANUFACTURED BY: JOOR
C. DATE INSTALLED (MO/DAY/YEAR) 7/19/88	D. TANK CAPACITY IN GALLONS: 1,000

II. TANK CONTENTS IF A-1 IS MARKED, COMPLETE ITEM C.

A. ☐ 1 MOTOR VEHICLE FUEL	☐ 4 OIL	B. ☒ 1 PRODUCT	C. ☐ 1a REGULAR UNLEADED	☐ 3 DIESEL	☐ 6 AVIATION GAS
☐ 2 PETROLEUM	☐ 50 EMPTY	☐ 2 WASTE	☐ 1b PREMIUM UNLEADED	☐ 4 GASAHOL	☐ 7 METHANOL
☒ 3 CHEMICAL PRODUCT	☐ 95 UNKNOWN		☐ 2 LEADED	☒ 5 JET FUEL	☐ 99 OTHER (DESCRIBE IN ITEM D. BELOW)
D. IF (A.1) IS NOT MARKED, ENTER NAME OF SUBSTANCE STORED: SOLVENT (RECYCLED)				C.A.S. #: 100-91-00-1	

III. TANK CONSTRUCTION MARK ONE ITEM ONLY IN BOXES A, B, AND C, AND ALL THAT APPLIES IN BOX D AND E

A. TYPE OF SYSTEM	☒ 1 DOUBLE WALL	☐ 3 SINGLE WALL WITH EXTERIOR LINER	☐ 55 UNKNOWN
	☒ 2 SINGLE WALL	☐ 4 SECONDARY CONTAINMENT (VAULTED TANK)	☐ 99 OTHER
B. TANK MATERIAL (Primary Tank)	☒ 1 BARE STEEL	☐ 2 STAINLESS STEEL	☐ 3 FIBERGLASS
	☐ 5 CONCRETE	☐ 6 POLYVINYL CHLORIDE	☒ 4 STEEL CLAD W/ FIBERGLASS REINFORCED PLASTIC
	☐ 9 BRONZE	☐ 10 GALVANIZED STEEL	☐ 7 ALUMINUM
C. INTERIOR LINING	☐ 1 RUBBER LINING	☐ 2 ALKYL LINING	☐ 3 EPOXY LINING
	☐ 5 GLASS LINING	☐ 6 UNLINED	☐ 4 PHENOLIC LINING
	IS LINING MATERIAL COMPATIBLE WITH 100% METHANOL? YES ___ NO ___		
D. CORROSION PROTECTION	☐ 1 POLYETHYLENE WRAP	☐ 2 COATED	☐ 3 VINYL WRAP
	☐ 5 CATHODIC PROTECTION	☐ 91 NONE	☐ 4 FIBERGLASS REINFORCED PLASTIC
		☐ 95 UNKNOWN	☐ 99 OTHER
E. SPILL AND OVERFILL	SPILL CONTAINMENT INSTALLED (YEAR) _____		OVERFILL PREVENTION EQUIPMENT INSTALLED (YEAR) _____

IV. PIPING INFORMATION CIRCLE A IF ABOVE GROUND OR U IF UNDERGROUND, BOTH IF APPLICABLE

A. SYSTEM TYPE	A U 1 SUCTION	A U 2 PRESSURE	A U 3 GRAVITY	A U 99 OTHER
B. CONSTRUCTION	A U 1 SINGLE WALL	A U 2 DOUBLE WALL	A U 3 LINED TRENCH	A U 99 UNKNOWN
C. MATERIAL AND CORROSION PROTECTION	A U 1 BARE STEEL	A U 2 STAINLESS STEEL	A U 3 POLYVINYL CHLORIDE (PVC)	A U 4 FIBERGLASS PIPE
	A U 5 ALUMINUM	A U 6 CONCRETE	A U 7 STEEL W/ COATING	A U 8 100% METHANOL COMPATIBLE W/ PIP
	A U 9 GALVANIZED STEEL	A U 10 CATHODIC PROTECTION	A U 99 UNKNOWN	A U 99 OTHER
D. LEAK DETECTION	☐ 1 AUTOMATIC LINE LEAK DETECTOR	☐ 2 LINE THICKNESS TESTING	☐ 3 INTERMITTENT TESTING	☐ 99 OTHER

V. TANK LEAK DETECTION

☐ 1 VISUAL CHECK	☐ 2 INVENTORY RECONCILIATION	☐ 3 WADGE MONITORING	☐ 4 AUTOMATIC TANK GAUGES	☐ 5 GROUND WATER MONITORING
☐ 6 TANK TESTING	☐ 7 INTERSTITIAL MONITORING	☐ 91 NONE	☐ 95 UNKNOWN	☐ 99 OTHER

VI. TANK CLOSURE INFORMATION

1. ESTIMATED DATE LAST USED (MO/DAY/YR) _____	2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING _____ GALLONS	3. WAS TANK FILLED WITH DIRT MATERIAL? YES ☐ NO ☐
---	--	---

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

APPLICANT'S NAME (PRINTED & SIGNED) John R. White DATE 1/5/99

LOCAL AGENCY USE ONLY THE STATE I.D. NUMBER IS COMPOSED OF THE FOUR NUMBERS BELOW

STATE I.D. #	COUNTY #	JURISDICTION #	FACILITY #	TANK #
	11	060		006603
PERMIT NUMBER	PERMIT APPROVED BY/DATE	PERMIT EXPIRATION DATE		

THIS FORM MUST BE ACCOMPANIED BY A PERMIT APPLICATION - FORM A, UNLESS A CURRENT FORM A HAS BEEN FILED.
FILE THIS FORM WITH THE LOCAL AGENCY IMPLEMENTING THE UNDERGROUND STORAGE TANK REGULATIONS



UNDERGROUND STORAGE TANK INSPECTION REPORT

925 Harbor Plaza, Suite 100
Phone (310) 570-2560

Long Beach, California 90802
Fax (310) 570-2566

NAME

ADDRESS

PHONE#

Site City of L.B. Pub Svc Yd 1725 San Francisco Ave. 90813

DATE 1/21/99

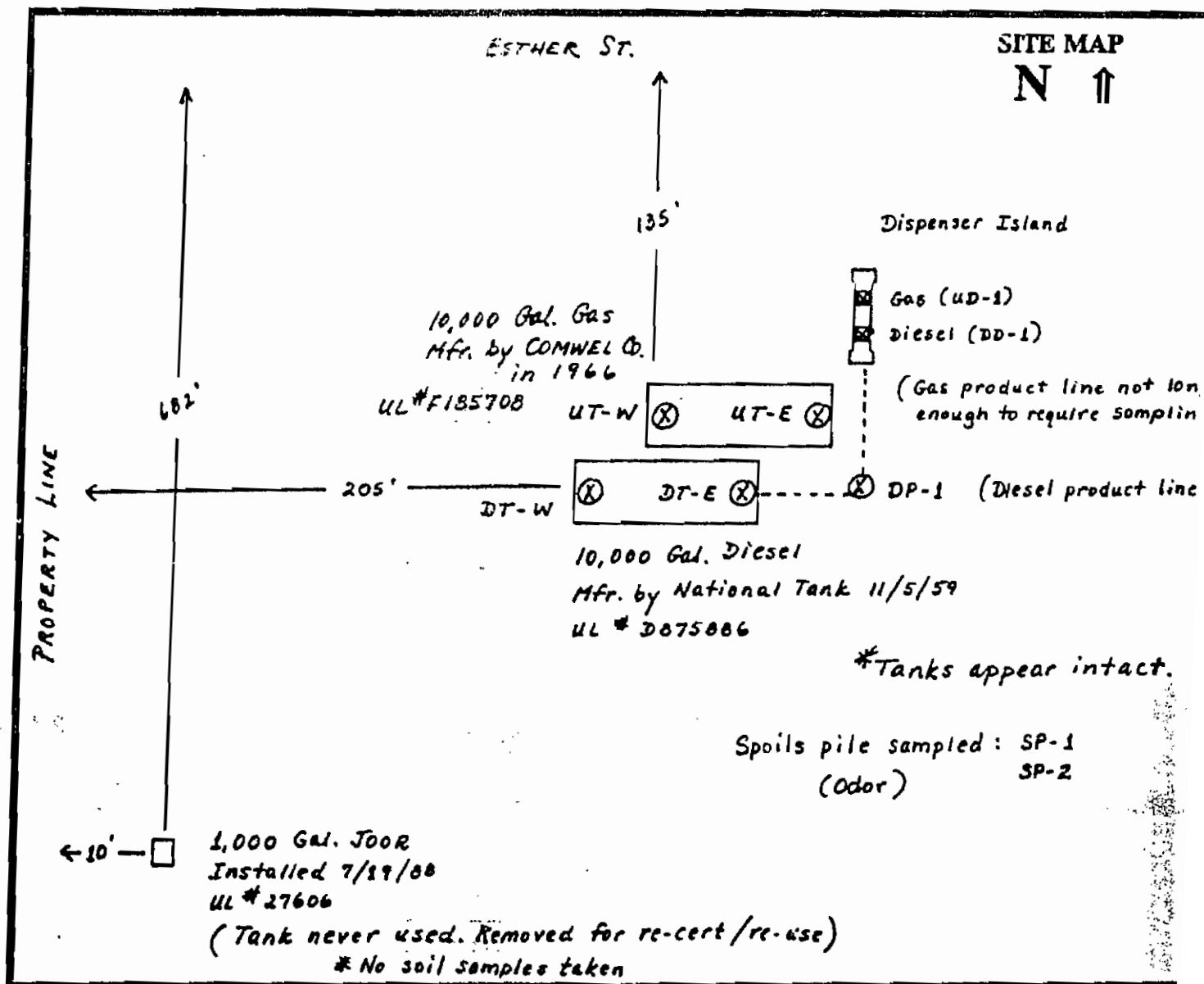
Owner City of L.B. Fleet Svcs 2801 E. Willow St. 90806 570-5410

Contractor Foss Env. Pier D, Berth 247 L.B. 90802 590-6706

PROJECT# 268204

Geologist John Haney (McLaren-Hart) 16755 Van Kerman Ave. Irvine 92606 (949) 756-2667

Lab ASL 3225 San Fernando Rd. Los Angeles 90065 (213) 254-7700 INSPECTOR W. Swenson



Remove 3 tank(s) per current Long Beach Fire Department and Long Beach Health Department guidelines. Soil sample analysis shall be submitted to both agencies within 14 days.

I have read and understand the above.

Signature

JOHN HANEY (949) 752-3225
Print name & phone #

McLAREN/HART
ASSOCIATE ENGINEER
Company and Title

GENERAL PROJECT INFORMATION

- A. SITE ADDRESS: 1601 San Francisco Ave. City Long Beach Zip 90802
1725
Assessors Parcel No. _____
- B. PROPERTY OWNER:
Company City of Long Beach - Fleet Services Contact DAVID McCARTY
Home Mailing Address 2801 E. Willow Street City Long Beach Zip 90802
Home Phone # (562) 570-5410
24 hr. Contact DAVID McCARTY Phone # (562) 570-5410
- C. TANK OPERATOR/OWNER:
Company City of Long Beach - Fleet Services Contact DAVID McCARTY
Home Mailing Address 2801 E. Willow Street City Long Beach Zip 90802
Home Phone # (562) 570-5410
24 hr. Contact DAVID McCARTY Phone # (562) 570-5410
- D. CONTRACTOR:
Primary Contractor FOSS ENVIRONMENTAL Contact JOHN R. WHITE
Mailing Address PIER D, Berth D47 City Long Beach Zip 90802
Phone # (562) 590-6706
State Contractor License & Type 716581 Class A, HAZ. Exp. Date 12/31/1999
Workers Compensation Insurance Co. Willis Corron Corp. Exp. Date 7/1/1999
City of Long Beach Business License # BL93030990 Exp. Date 7/1/1999
- E. REMOVAL METHOD: Method #1-Hazardous _____ Method #2-Clean _____
- F. SOIL SAMPLING:
Name McLAREN - HART Phone # (949) 756-2667
Address 16755 Von Karman Ave. City IRVINE Zip 92606
Circle Applicable Title:
California Registered Civil Engineer; Certified Engineer Geologist; or Registered Geologist
Name - State Certified Laboratory ASL Phone # (213) 254-7700
Address 3225 San Fernando Rd. City Los Angeles Zip 90065

FIRE PREVENTION PLAN CHECK WORKSHEET

PROJECT # 268704 (T)
(Dept. Use Only)

DATE: 1/6/99

TYPE OF PLANS: (Put an X in front of ONE)

- | | |
|---|--|
| ☐ Building/New Construction | ☐ Building/Tenant Improvement |
| ☐ Sprinkler/New Construction | ☐ Sprinkler/Tenant Improvement |
| ☐ Dry/Wet Chemical | ☐ () No. Sprinkler Heads |
| ☐ Fire Alarm | ☐ Fire Hydrant(s) |
| ☐ Above Ground Tanks
() No. of Tanks | ☒ Underground Tanks
(<u>3</u>) No. of Tanks |
| ☐ Other | ☐ Spray Booth |

REMOVAL

PLEASE PRINT - MUST BE FILLED OUT COMPLETELY

PROJECT NAME: <u>CITY OF LONG BEACH - PUBLIC SERVICE MAINTENANCE YARD</u>		
PROJECT ADDRESS: <u>1725 San Francisco Ave. Long Beach, CA 90802</u>		
DESCRIPTION OF WORK: <u>TANK REMOVAL</u>		
APPLICANT/CONTRACTOR: <u>FUSS ENVIRONMENTAL</u>	PHONE: <u>(562) 590-6706</u>	FAX#: <u>(562)</u>
ADDRESS/CITY/ST/ZIP: <u>Pier D, Berth 147 / LB 90802</u>		
STATE LIC. #: <u>716581</u>	CLASS: <u>A</u>	EXPIRATION DATE: <u>12/31/1999</u>
CITY BUS. LIC. #: <u>B493030990</u>		EXPIRATION DATE: <u>7/1/1999</u>
CURRENT BUILDING USE:	PROPOSED BUILDING USE:	
OCCUPANCY CLASSIFICATION: (per UBC)	SQ. FT.	TYPE OF CONSTRUCTION:
BUILDING SPRINKLERED: YES <u>NO</u>		

(Fire Prevention Office Use Only)

Plans Submitted By: TONY MUDHAR (JOHN WHITE)

Plan Review Fees: \$400.00 (PLS ADVISE)

Plan Review Checked By: [Signature]

Approved Date: 1-8-99

WORKSHTS.FC 1/1/96

(3) SETS

APPROVED
JAN 08 1999
L.B.F.D.
BUREAU OF FIRE PREVENTION

GENERAL PROJECT INFORMATION

- A. SITE ADDRESS: 1601 San Francisco Ave City Long Beach Zip 90802
1725
Assessors Parcel No. _____
- B. PROPERTY OWNER:
Company City of Long Beach - Fleet Services Contact David McCarty
~~Home~~ Mailing Address 2801 E. Willow Street City Long Beach Zip 90802
~~Home~~ Phone # (562) 570-5410
24 hr. Contact David McCarty Phone # (562) 570-5410
- C. TANK OPERATOR/OWNER:
Company City of Long Beach - Fleet Services Contact David McCarty
~~Home~~ Mailing Address 2801 E. Willow Street City Long Beach Zip 90802
~~Home~~ Phone # (562) 570-5410
24 hr. Contact David McCarty Phone # (562) 570-5410
- D. CONTRACTOR:
Primary Contractor Foss Environmental Contact John R. White
Mailing Address P.O. Box 047 City Long Beach Zip 90802
Phone # (562) 590-6706
State Contractor License & Type 716581 Class A w/ Hazardous Substances Endorsement Exp. Date 12/31/99
Workers Compensation Insurance Co. Willis Corson Corp Exp. Date 7/1/1999
City of Long Beach Business License # BU 93030990 Exp. Date 7/1/1999
- E. REMOVAL METHOD: Method #1-Hazardous _____ Method #2-Clean X
- F. SOIL SAMPLING:
Name McLaren-Hart Phone # (949) 756-2667
Address 16755 Von Krummen Avenue City Irvine Zip 92606
Circle Applicable Title:
California Registered Civil Engineer; Certified Engineer Geologist; or Registered Geologist
Name - State Certified Laboratory ASL Phone # (213) 254-7700
Address 3225 San Fernando Road City Los Angeles Zip 90065

Chain Link Fence

GATE

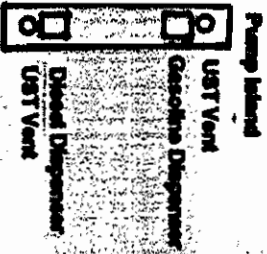
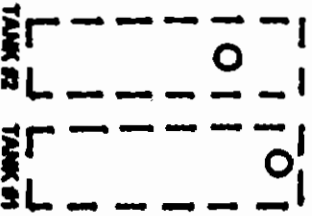
Esther Ave.

CITY OF LONG BEACH -
PUBLIC SERVICE MAINTENANCE YARD
1725 JANT SAN FRANCISCO AVENUE
LONG BEACH, CA 90802

EXISTING STRUCTURE

San Francisco Ave.

EXISTING STRUCTURE



LEGEND

--- = Approximate
Tank #1 = 10,000 Gallons
Tank #2 = 10,000 Gallons

FOSS ENVIRONMENTAL PROJECT

Plot Plan / Tanks

SITE
City of
Public Service

SCALE: 1" = 20'

Drawn By: TSM



**McLaren[®]
Hart**

ENVIRONMENTAL ENGINEERING CORPORATION

January 26, 1999

RECEIVED
FEB 01 1999 (WS)
FIRE PREVENTION

Cheryl Sandel
City of Long Beach
Department of Health and Human Services
Hazardous Materials Division
2525 Grand Avenue
Long Beach, CA 90815

**RE: UST REMOVAL- PUBLIC SERVICE YARD, SITE NO. 43
1725 SAN FRANCISCO AVENUE, LONG BEACH, CALIFORNIA
McLAREN/HART PROJECT NO. 03.0603625.001**

Dear Ms. Sandel:

McLaren/Hart removed three tanks located at 1725 San Francisco Avenue (Project Number F268704) and collected nine soil samples under the direction of Long Beach Fire Inspector Wayne Swenson on January 21, 1999. Samples were collected utilizing a hand auger and drive sampler, placed in a thermally insulated cooler, and transported under proper chain-of-custody procedures to American Scientific Laboratories, a California Certified Laboratory in Los Angeles, California on January 21, 1999. Samples were analyzed for TPHg and TPHd using EPA Method 8015M and BTEX and MTBE using EPA Method 8020. Enclosed are copies of sample analysis results, chain-of-custody, and a plot plan identifying the locations of samples collected for the above referenced project.

If you have any comments or inquiries regarding this letter or attachments, please contact me at (949) 752-3202 or John Haney at (949) 752-3285.

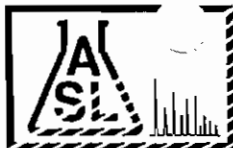
Sincerely,

J.R. Morabito, P.E.
Principal Engineer

Attachments

cc: ✓ Wayne Swenson, Long Beach Fire Department, City of Long Beach
David McCarty, Fleet Services Bureau, City of Long Beach

\\MHIRVINE\DATA\PROJECTS\L\LONGBEAC\0603625.001\ltr002.doc



AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

3225 San Fernando Road, LA, CA 90065 Tel: (323) 254-7700 • Fax: (323) 254-7799

Page 1 Of 1

ASL JOB# _____

Company: <u>McLAREN/HART</u>						Report To: <u>J.R. MORABITO</u>		ANALYSIS REQUESTED																			
Address: <u>16755 VON KARMAN AVE</u>						Project Name: <u>LRC TANK REMOVAL</u>		Address: <u>SAME</u>																			
IRVINE CA						Site Address: <u>1601 SAN FRANCISCO AVE</u>		Invoice To: <u>SAME</u>																			
Telephone: <u>949 752 3202</u>								Address: <u>N/A</u>																			
Fax: <u>949 756 8460</u>								<u>2015 M DIESEL</u> <u>2015 M GAS</u> <u>BTEX + MTBE 2000</u>																			
Special Instruction: <u>FAX RESULTS UPON COMPLETION</u>						Project ID: <u>030603625.001.001</u>																					
						Project Manager: <u>J.R. MORABITO</u>												P.O.#:									

I T E M	LAB USE ONLY		SAMPLE DESCRIPTION				Container(s)		Matrix	Preservation											Remarks
	Lab ID	Sample ID	Date	Time	#	Type															
		DD-1	1-21-99	09:20	1	BRASS	SOIL	4°C	X	X	X								2' bgs		
		DT-E		10:00							X	X	X					RUN THESE SAMPLES FIRST	14' bgs		
		UT-E		10:10							X	X	X						14' bgs		
		UT-W		10:25							X	X	X						15' bgs		
		DT-W		10:35							X	X	X						15' bgs		
		UD-1		10:50							X	X	X						2' bgs		
		DP-1		11:30							X	X	X						4' bgs		
		SP-1		11:35							X	X	X						STOCKPILE WEST		
		SP-2		11:40							X	X	X						STOCKPILE EAST		
																			24 HR.		

Collected By: <u>J. HANEY</u>		Date <u>1/21/99</u> Time <u>12:00</u>		Relinquished By: _____		Date _____ Time _____	
Relinquished By: <u>[Signature]</u>		Date <u>1/21/99</u> Time <u>14:45</u>		Received For Laboratory: <u>[Signature]</u>		Date <u>1/21</u> Time <u>14:45</u>	
Condition of Sample: _____							

TAT
☐ Normal
☒ Rush



AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

Fax Cover Sheet

To: J.R. Morabito

Company: Melarn Hart Fax #: 949/756-8460

From: Lily

Date: 1-22-99 Time: 3:10pm

Number of Pages(Including Cover): 14

Notes: please, check the report and call us with any
additional request as soon as possible.

1-22-1999 4:00PM

FROM AMERICAN_SCIENFIC_LABS 2132547799

P.2



AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

McLaren Hart
16755 Von Karman Ave.
Suite 200
Irvine, CA 92606-4918

Number of Pages: 13
Date Received : 01/21/99
Date Reported : 01/22/99

Attn : J.R.Morabito
Phone: 949/756-2667

ASL Job Number: 4478

Project Name : LBC Tank Removal
Project Number : 030603625.001.001

Site: 1601 San Francisco Ave.

Enclosed are the results of analyses on 9 soil samples
analyzed as specified on attached chain of custody.

Checked By

Wenker

Approved By

ROBERT G. ARAGHI
LABORATORY DIRECTOR

1-22-1999 4:00PM

FROM AMERICAN_SCIENTFC_LABS 2132547799

P. 3



AMERICAN SCIENTIFIC LABORATORIES, LLC

Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4478
 Project ID: 030603625.001.001
 Project Name: LBC Tank Removal

Page: 2

Report To: (MCLH) McLaren Hart
 16755 Von Karman Ave.
 Suite 200
 Irvine, CA 92606-4918

Site: 1601 San Francisco Ave.

Attn: J.R. Morabito

Phone: 949/756-2667

Method:	(8015M/DHSLOFT)				
Matrix:	TPH as Diesel Range Organics				
Units:	Soil				
	mg/kg				
Lab ID:	30322	30323	30324	30325	
Sample No:	DD-1	DT-E	UT-E	UT-W	
Date Sampled:	01/21/99	01/21/99	01/21/99	01/21/99	
Date Extracted:	01/21/99	01/21/99	01/21/99	01/21/99	Detection
Date Analyzed:	01/21/99	01/21/99	01/21/99	01/21/99	Limit
TPH DRO (C13-C22)	11400	ND	ND	ND	10

Quality Control Report

Lab ID:	30322	30323	30324	30325
Surrogate %REC.				
Chlorobenzene	109	87	85	84
	Spike	Spike DUP.	AVG.	
	%REC.	%REC.	RPD	
TPH as Diesel	99	99	< 1	

ND - Not Detected at The Detection Limit

2225 San Francisco Ave.

1-22-1999 4:00PM

FROM AMERICAN SCNTFC LABS 2132547799

P. 4



AMERICAN SCIENTIFIC LABORATORIES, LLC

Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4478
 Project ID: 030603625.001.001
 Project Name: LBC Tank Removal

Page: 3

Report To: (MCLH) McLaren Hart
 16755 Von Karman Ave.
 Suite 200
 Irvine, CA 92606-4918

Site: 1601 San Francisco Ave.

Attn: J.R. Morabito

Phone: 949/756-2667

Method:	(8015M/DHSLUFT)				
Matrix:	TPH as Diesel Range Organics				
Units:	Soil mg/kg				
Lab ID:	30326	30327	30328	30329	
Sample No:	DT-W	UD-1	DP-1	SP-1	
Date Sampled:	01/21/99	01/21/99	01/21/99	01/21/99	
Date Extracted:	01/21/99	01/21/99	01/21/99	01/21/99	Detection
Date Analyzed:	01/21/99	01/21/99	01/21/99	01/21/99	Limit

TPH DRO (C13-C22)	ND	ND	ND	ND	10
-------------------	----	----	----	----	----

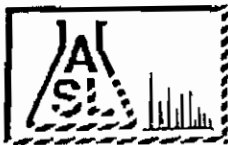
Quality Control Report

Lab ID:	30326	30327	30328	30329
Surrogate %REC.				
Chlorobenzene	85	95	82	96
Spike %REC.				
		Spike DUP. %REC.	AVG. RPD	
TPH as Diesel	99	99	< 1	

ND - Not Detected at The Detection Limit

1-22-1999 4:01PM

FROM AMERICAN SCIENTIFIC LABS 2132547799



AMERICAN SCIENTIFIC LABORATORIES, LLC

Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4478
Project ID: 030603625.001.001
Project Name: LBC Tank Removal

Page: 4

Report To: (MCLH)
McLaren Hart
16755 Von Karman Ave.
Suite 200
Irvine, CA 92606-4918

Site: 1501 San Francisco Ave.

Attn: J.R. Morabito

Phone: 949/756-2667

Method:	(8015M/DHSLUPT)
Matrix:	TPH as Diesel Range Organics
Units:	Soil mg/kg
Lab ID:	30330
Sample No:	SP-2
Date Sampled:	01/21/99
Date Extracted:	01/21/99
Date Analyzed:	01/21/99
	Detection Limit

TPH DRO (C13-C22)

9310

10

Quality Control Report

Lab ID: 30330

Surrogate %REC.
Chlorobenzene

120

Spike
%REC.

Spike DUP.
%REC.

AVG.
RPD

TPH as Diesel

99

99

< 1

ND - Not Detected at The Detection Limit

1225 San Francisco Ave. Irvine, CA 92606-4918

1-22-1999 4:01PM

FROM AMERICAN_SCIENFIC_LABS 2132547799

P.6



AMERICAN SCIENTIFIC LABORATORIES, LLC

Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4478
 Project ID: 030603625.001.001
 Project Name: LBC Tank Removal

Page: 5

Report To: (MCLH)
 McLaren Hart
 16755 Von Karman Ave.
 Suite 200
 Irvine, CA 92606-4918

Site: 1601 San Francisco Ave.

Attn: J.R.Morabito

Phone: 949/756-2667

Method: [8015MOD/8020]
 Matrix: TPH as Gasoline/BETX & MTBE
 Units: Soil
 ug/kg
 Lab ID: 30322
 Sample No: DD-1
 Date Sampled: 01/21/99
 Date Extracted: 01/21/99
 Date Analyzed: 01/22/99

Detection
 Limit

Benzene	62	50
Ethylbenzene	50	50
Toluene	50	50
Xylenes (Total)	280	100
MTBE	ND	200
TPH as Gasoline	15	10 (mg/kg)

Quality Control Report

Lab ID: 30322

Surrogate %REC.
 Bromofluorobenzene

119

	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Benzene	115	106	8.1
Toluene	114	103	10.1

ND - Not Detected at The Detection Limit

1-22-1999 4:02PM

FROM AMERICAN SCIENTIFIC LABS 2132547799



AMERICAN SCIENTIFIC LABORATORIES, LLC

Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4478
 Project ID: 030603625.001.001
 Project Name: LBC Tank Removal

Page: 6

Report To: (MCLH)
 McLaren Hart
 16755 Von Karman Ave.
 Suite 200
 Irvine, CA 92606-4918

Site: 1601 San Francisco Ave.

Attn: J.R. Morabito

Phone: 949/756-2557

Method: [8015MOD/8020]
 Matrix: TPH as Gasoline/BETX & MTBE
 Units: Soil
 ug/kg

Lab ID: 30323
 Sample No: DT-E
 Date Sampled: 01/21/99
 Date Extracted: 01/22/99
 Date Analyzed: 01/22/99

Detection Limit

Benzene	ND	5
Ethylbenzene	90	5
Toluene	ND	5
Xylenes (Total)	70	10
MTBE	40	20
TPH as Gasoline	ND	1.0 (mg/kg)

Quality Control Report

Lab ID: 30323

Surrogate & REC.
 Bromofluorobenzene 114

	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Benzene	115	106	9.1
Toluene	114	103	10.1

ND - NOT Detected at The Detection Limit



AMERICAN SCIENTIFIC LABORATORIES, LLC

Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4478
Project ID: 030603625.001.001
Project Name: LBC Tank Removal

Page: 7

Report To: (MCLH) McLaren Hart
16755 Von Karman Ave.
Suite 200
Irvine, CA 92606-4918

Site: 1601 San Francisco Ave.

Attn: J.R.Morabito

Phone: 949/756-2667

Method: [8015MOD/8020]
TPH as Gasoline/BETX & MTBE
Matrix: Soil
Units: ug/kg

Lab ID: 30324
Sample No: UT-E
Date Sampled: 01/21/99
Date Extracted: 01/21/99
Date Analyzed: 01/21/99

Detection Limit

Benzene	ND	5
Ethylbenzene	ND	5
Toluene	ND	5
Xylenes (Total)	ND	10
MTBE	ND	20
TPH as Gasoline	ND	1.0 (mg/kg)

Quality Control Report

Lab ID: 30324

Surrogate %REC.

Bromofluorobenzene

84

	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Benzene	105	104	< 1
Toluene	101	100	1

ND - Not Detected at The Detection Limit

1-22-1999 4:02PM

FROM AMERICAN SCIENTIFIC LABS 2132547799



AMERICAN SCIENTIFIC LABORATORIES, LLC

Environmental Testing Services

ANALYTICAL RESULTS

Page: 8

ASL Job No: 4478
 Project ID: 030603625.001.001
 Project Name: LBC Tank Removal

Report To: (MCLH)
 McLaren Hart
 16755 Von Karman Ave.
 Suite 200
 Irvine, CA 92606-4918

Site: 1601 San Francisco Ave.

Attn: J.R. Morabito

Phone: 949/756-2667

Method: [8015MOD/8020]
 Matrix: TPH as Gasoline/BETX & MTBE
 Units: Soil
 ug/kg

Lab ID: 30325
 Sample No: UT-W
 Date Sampled: 01/21/99
 Date Extracted: 01/21/99
 Date Analyzed: 01/21/99

Detection Limit

Benzene	ND	5
Ethylbenzene	ND	5
Toluene	ND	5
Xylenes (Total)	ND	10
MTBE	115	20
TPH as Gasoline	ND	1.0 (mg/Kg)

Quality Control Report

Lab ID: 30325

Surrogate %REC.
 Bromofluorobenzene

114

	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Benzene	105	104	< 1
Toluene	101	100	1

ND - Not Detected at The Detection Limit

1-22-1999 4:03PM

FROM AMERICAN_SONTFC_LABS 2132547799

P. 10



AMERICAN SCIENTIFIC LABORATORIES, LLC

Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4478
 Project ID: 030603625.001.001
 Project Name: LBC Tank Removal

Page: 9

Report To: (MCLH)
 McLaren Hart
 16755 Von Karman Ave.
 Suite 200
 Irvine, CA 92606-4918

Site: 1601 San Francisco Ave.

Attn: J.R.MoraBito

Phone: 949/756-2667

Method: [8015MOD/8020]
 Matrix: TPH as Gasoline/BETX & MTBE
 Units: Soil
 ug/kg

Lab ID: 30326
 Sample No: DT-W
 Date Sampled: 01/21/99
 Date Extracted: 01/22/99
 Date Analyzed: 01/22/99

Detection Limit

Benzene	18	5
Ethylbenzene	450	5
Toluene	55	5
Xylenes (Total)	524	10
MTBE	195	20
TPH as Gasoline	43	1.0 (mg/Kg)

Quality Control Report

Lab ID: 30326

Surrogate %REC.
 Bromofluorobenzene

120

	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Benzene	115	106	8.1
Toluene	114	103	10.1

Comment to Sample(s)

30326: MTBE not included in TPH calculation.

ND - Not Detected at The Detection Limit

1-22-1999 4:03PM

FROM AMERICAN SCIENTIFIC LABS 2132547799

P. 11



AMERICAN SCIENTIFIC LABORATORIES, LLC

Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4478
 Project ID: 030603625.001.001
 Project Name: LBC Tank Removal

Page: 10

Report To: (MCLH)
 McLaren Hart
 16755 Von Karman Ave.
 Suite 200
 Irvine, CA 92606-4918

Site: 1501 San Francisco Ave.

Attn: J.R. Morabito

Phone: 949/756-2667

Method: (8015MOD/80201
 TPH as Gasoline/BETX & MTBE
 Matrix: Soil
 Units: ug/kg
 Lab ID: 30327
 Sample No: UD-1
 Date Sampled: 01/21/99
 Date Extracted: 01/22/99
 Date Analyzed: 01/22/99

Detection
 Limit

Benzene	61	5
Ethylbenzene	186	5
Toluene	784	5
Xylenes (Total)	1660	10
MTBE	16100	20
TPH as Gasoline	12	1.0 (mg/kg)

Quality Control Report

Lab ID: 30327

Surrogate %REC.
 Bromofluorobenzene

119

	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Benzene	115	106	8.1
Toluene	114	103	10.1

Comment to Sample(s)
 30327: MTBE not included in TPH calculation.

ND - Not Detected at The Detection Limit

1-22-1999 4:03PM

FROM AMERICAN_SCIENFIC_LABS 2132547799

P. 12



AMERICAN SCIENTIFIC LABORATORIES, LLC

Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4478
 Project ID: 030603625.001.001
 Project Name: LBC Tank Removal

Page: 11

Report To: (MCLH)
 McLaren Hart
 16755 Von Karman Ave.
 Suite 200
 Irvine, CA 92606-4918

Site: 1601 San Francisco Ave.

Attn: J.R.Morabitp

Phone: 949/756-2667

Method: [8015MOD/8020]
 Matrix: TPH as Gasoline/BETX & MTBE
 Units: Soil
 ug/kg

Lab ID: 30328
 Sample No: DP-1
 Date Sampled: 01/21/99
 Date Extracted: 01/21/99
 Date Analyzed: 01/21/99

Detection Limit

Benzene	ND	5
Ethylbenzene	ND	5
Toluene	ND	5
Xylenes (Total)	ND	10
MTBE	ND	20
TPH as Gasoline	ND	1.0 (mg/Kg)

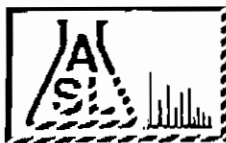
Quality Control Report

Lab ID: 30328

Surrogate %REC.
 Bromofluorobenzene 114

	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Benzene	105	104	< 1
Toluene	101	100	1

ND - Not Detected at The Detection Limit



AMERICAN SCIENTIFIC LABORATORIES, LLC

Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4478
 Project ID: 030603625.001.001
 Project Name: LBC Tank Removal

Page: 12

Report To: (MCLH) McLaren Hart
 16755 Von Karman Ave.
 Suite 200
 Irvine, CA 92606-4918

Site: 1601 San Francisco Ave.

Attn: J.R. Morabito

Phone: 949/756-2667

Method: [8015MOD/8020]
 TPH as Gasoline/BETX & MTBE
 Matrix: Soil
 Units: ug/kg
 Lab ID: 30329
 Sample No: SP-1
 Date Sampled: 01/21/99
 Date Extracted: 01/21/99
 Date Analyzed: 01/21/99

Detection
 Limit

Benzene	ND	5
Ethylbenzene	9	5
Toluene	ND	5
Xylenes (Total)	38	10
MTBE	80	20
TPH as Gasoline	3.2	1.0 (mg/Kg)

Quality Control Report

Lab ID: 30329

Surrogate %REC.
 Bromofluorobenzene 120

	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Benzene	105	104	< 1
Toluene	101	100	1

Comment to Sample(s)
 30329: MTBE not included in TPH calculation.

ND - Not Detected at The Detection Limit



AMERICAN SCIENTIFIC LABORATORIES, LLC

Environmental Testing Services

ANALYTICAL RESULTS

Page: 13

ASL Job No: 4478
 Project ID: 030603625.001.001
 Project Name: LBC Tank Removal

Report To: (MCLH)
 McLaren Hart
 16755 Von Karman Ave.
 Suite 200
 Irvine, CA 92606-4918

Site: 1601 San Francisco Ave.

Attn: J.R. Morabito

Phone: 949/756-2667

Method: [8015MOD/8020]
 Matrix: TPH as Gasoline/BETX & MTBE
 Units: Soil
 ug/kg

Lab ID: 30330
 Sample No: SP-2
 Date Sampled: 01/21/99
 Date Extracted: 01/21/99
 Date Analyzed: 01/22/99

Detection Limit

Benzene	ND	500
Ethylbenzene	311	500
Toluene	732	500
Xylenes (Total)	9300	1000
MTBE	3820	2000
TPH as Gasoline	300	100 (mg/Kg)

Quality Control Report

Lab ID: 30330

Surrogate %REC.
 Bromofluorobenzene 120

	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Benzene	115	16	8.1
Toluene	114	103	10.1

Comment to Sample(s)
 30330: MTBE not included in TPH calculation.

ND - Not Detected at The Detection Limit

UNDERGROUND STORAGE TANK REMOVAL INSPECTION REPORT

925 Harbor Plaza, Suite 100
Phone (310) 570-2560

Long Beach, California 90802
Fax (310) 570-2566

NAME

ADDRESS

PHONE#

Site City of L.P. Pub Svc Yd 1725 San Francisco Ave. 90813

DATE 1/21/99

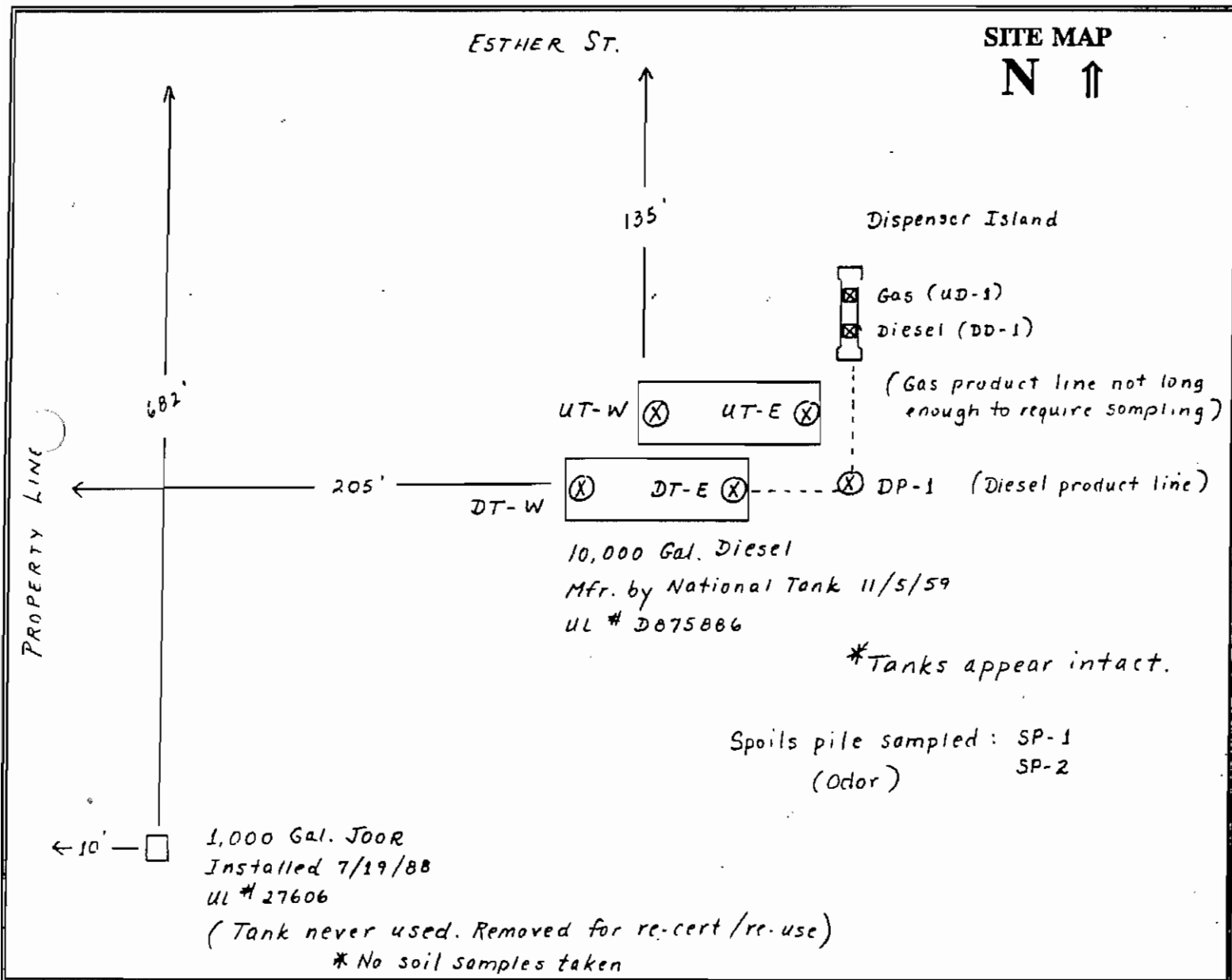
Owner City of L.B. Fleet Svcs 2801 E. Willow St. 90806 570-3410

Contractor Foss Env. Pier D, Berth 247 L.B. 90802 590-6706

PROJECT# 268704

Geologist John Haney (McLaren, Hart) 16755 Von Karman Ave. Irvine 92606 (949) 756-2667

Lab ASL 3225 San Fernando Rd. Los Angeles 90065 (213) 254-7700 INSPECTOR W. Swenson



Remove 3 tank(s) per current Long Beach Fire Department and Long Beach Health Department guidelines. Soil sample analysis shall be submitted to both agencies within 14 days.

I have read and understand the above.

Signature _____

JOHN HANEY (949) 752-5285
Print name & phone #

MILLAREN/HART
ASSOCIATE ENGINEER
Company and Title



February 1, 1999

RECEIVED
FEB 04 1999
FIRE PREVENTION

Cheryl Sandel
City of Long Beach
Department of Health and Human Services
Hazardous Materials Division
2525 Grand Avenue
Long Beach, CA 90815

**RE: ADDITIONAL SAMPLING RESULTS: UST REMOVAL- PUBLIC SERVICE YARD,
SITE NO. 43, 1725 SAN FRANCISCO AVENUE, LONG BEACH, CALIFORNIA
(MCLAREN/HART PROJECT NO. 03.0603625.001)**

Dear Ms. Sandel:

This letter and attached soil sample results are being provided to supplement the data previously sent to you on January 26, 1999, regarding the removal of three tanks located at 1725 San Francisco Avenue (Project Number F268704). Based on our review of the initial soil sample analytical results (letter dated January 26, 1999), McLaren/Hart excavated additional soil in the vicinity of samples DT-W, DD-1, and UD-1 on January 27, 1999. Approximately 31 cubic yards of contaminated soil was removed from the west end of the diesel tank excavation (sample DT-W) to a depth of 18 feet below ground surface (bgs) and approximately 21 cubic yards of contaminated soil was removed from beneath the former dispenser island (samples DD-1 and UD-1) to a depth of 6 feet bgs.

Three soil samples were collected utilizing a hand auger and drive sampler, placed in a thermally insulated cooler, and transported under proper chain-of-custody procedures to American Scientific Laboratories, a California Certified Laboratory in Los Angeles, California on January 27, 1999. Sample DT-W.1 was collected near the west end of the diesel tank excavation at a depth of 18 feet bgs, sample DD-2 was collected from beneath the former location of the diesel dispenser at a depth of 6 feet bgs, and UD-2 was collected from beneath the former location of the unleaded dispenser at a depth of 6 feet bgs. Samples were analyzed for TPHg and TPHd using EPA Method 8015M and BTEX and MTBE using EPA Method 8020. Copies of soil sample analysis results, chain-of-custody form, and a plot plan identifying the locations of samples collected for the above referenced project are attached.

N:\VL\LONGBEAC\0603625.001\ltr003.doc

16755 Von Karman Avenue, Suite 200, Irvine, California 92606-4918
(949) 756-2667 FAX (949) 756-8460



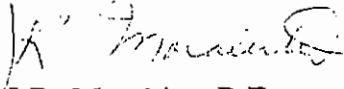
Sandel

February 1, 1999

Page 2

If you have any comments or inquiries regarding this letter or attachments, please contact me at (949) 752-3202 or John Haney at (949) 752-3285.

Sincerely,

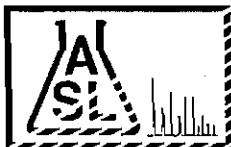


J.R. Morabito, P.E.

Principal Engineer

Attachments

cc: Wayne Swenson, Long Beach Fire Department, City of Long Beach
David McCarty, Fleet Services Bureau, City of Long Beach



AMERICAN SCIENTIFIC LABORATORIES, LLC

Environmental Testing Services

3225 San Fernando Road, LA, CA 90065 Tel: (323) 254-7700 • Fax: (323) 254-7799

Page 1 Of 1

ASL JOB# _____

Company: <u>McLAREN/HART</u>					Report To: <u>J.R. MORABITO</u>					ANALYSIS REQUESTED														
Address: <u>16755 VON KARMAN AVE.</u>					Project Name: <u>LBC TANK REMOVAL</u>					Address: <u>SAME</u>					SOIL DIESEL SOIL GAS RTE & MTBE 1000									
IRVINE, CA 92606					Site Address: <u>1601 SAN FRANCISCO</u>					Invoice To: <u>SAME</u>														
Telephone: <u>(949) 752-3202</u>					LONCH BEACH, CA					Address: <u>SAME</u>														
Fax: <u>(949) 756-9460</u>					Project ID: <u>030603625.C01.001</u>					P.O.#:														
Special Instruction: <u>FAX RESULTS UPON COMPLETION</u>					Project Manager: <u>J.R. MORABITO</u>																			

ITEM	LAB USE ONLY	SAMPLE DESCRIPTION					Container(s)		Matrix	Preservation											Remarks
	Lab ID	Sample ID	Date	Time	#	Type															
		DT-W-1	1/27/98	1320	1	BRASS	SOIL	4°C	X	X	X							10' bgs			
		DD-2	↓	13:50	↓	↓	↓		X	X	Y							6' bgs			
		UD-2	↓	14:05	↓	↓	↓		X	X	X							6' bgs			

Collected By: <u>J. HANEY</u>	Date <u>1/27/98</u> Time <u>—</u>	Relinquished By:	Date _____ Time _____	TAT
Relinquished By: <u>[Signature]</u>	Date <u>1/27/98</u> Time <u>14:15</u>	Received For Laboratory	Date <u>1/27</u> Time <u>11</u>	☐ Normal
Condition of Sample:				☐ Rush

1-28-1999 5:30PM

FROM AMERICAN_SCIENFIC_LABS 2132547799

P.2



AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

McLaren Hart
16755 Von Karman Ave.
Suite 200
Irvine, CA 92606-4918

Number of Pages: 3
Date Received : 01/27/99
Date Reported : 01/28/99

Attn : J.R. Morabito
Phone: 949/756-2667

ASL Job Number: 4508

Project Name : LBC Tank Removal
Project Number : 030603625.001.001

Site: 1601 San Francisco
Long Beach, CA

Enclosed are the results of analyses on 3 soil samples
analyzed as specified on attached chain of custody.

Checked By

Wen

Approved By

ROJERT G. ARAGHI
LABORATORY DIRECTOR



AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4508
Project ID: 030603625.001.001
Project Name: LBC Tank Removal

Page: 2

Report To: (MCLH) McLaren Hart
16755 Von Karman Ave
Suite 200
Irvine, CA 92606-4918
Site: 1601 San Francisco
Long Beach, CA

Attn: J.R. Morabito Phone: 949/756-2667

Method:	(8015M/DHSLUFT)			
Matrix:	TPH as Diesel Range Organics			
Units:	Soil mg/kg			
Lab ID:	30498	30499	30500	
Sample No:	DT-W.1	DD-2	UD-2	
Date Sampled:	01/27/99	01/27/99	01/27/99	
Date Extracted:	01/28/99	01/28/99	01/28/99	Detection
Date Analyzed:	01/28/99	01/28/99	01/28/99	Limit

TPH DRO (C13-C22)	ND	ND	ND	10

Quality Control Report

Lab ID:	30498	30499	30500
Surrogate %REC.			
Chlorobenzene	91	82	105
	Spike	Spike DUP.	AVG.
	%REC.	%REC.	RPD
TPH as Diesel	95	95	< 1

ND - Not Detected at The Detection Limit

1-28-1999 5:30PM

FROM AMERICAN_SCNTFC_LABS 2132547799



AMERICAN SCIENTIFIC LABORATORIES, LLC

Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4508
Project ID: 030603625.001.001
Project Name: LBC Tank Removal

Page: 3

Report To: (MCLH) McLaren Hart
16755 Von Karman Ave
Suite 200
Irvine, CA 92606-4918

Site: 1501 San Francisco
Long Beach, CA

Attn: J.R. Morabito Phone: 949/756-2667

Method: [8015MOD/8020]
TPH as Gasoline/BETX & MTBE
Matrix: Soil
Units: ug/kg

Lab ID:	30498	30499	30500	
Sample No:	DT-W.1	DD-2	UD-2	
Date Sampled:	01/27/99	01/27/99	01/27/99	
Date Extracted:	01/28/99	01/28/99	01/28/99	Detection
Date Analyzed:	01/28/99	01/28/99	01/28/99	Limit

Benzene	ND	ND	ND	5
Ethylbenzene	ND	ND	ND	5
Toluene	ND	ND	ND	5
Xylenes (Total)	ND	ND	ND	10
MTBE	32	ND	ND	20
TPH as Gasoline	ND	ND	ND	1.0 (mg/Kg)

Quality Control Report

Lab ID:	30498	30499	30500
Surrogate REC.			
Bromofluorobenzene	112	117	117
	Spike	Spike DUP.	AVG.
	%REC.	%REC.	RPD
Benzene	100	95	5.1
Toluene	99	94	5.2

ND - Not Detected at The Detection Limit

ESTHER ST.

SITE MAP

N ↑

Dispenser Island

Gas (UD-1) & (UD-2)

Diesel (DD-1) & (DD-2)

(Gas product line not long enough to require sampling)

UT-W

UT-E

205'

DT-W &
DT-W.1

DT-E

DP-1 (Diesel product line)

10,000 Gal. Diesel

Mfr. by National Tank 11/5/59

UL # D075886

*Tanks appear intact.

Spoils pile sampled: SP-1
(Odor) SP-2

← 10' — □

1,000 Gal. JOOR

Installed 7/19/88

UL # 27606

(Tank never used. Removed for re-cert/re-use)

* No soil samples taken

PROPERTY LINE

182'

135'



AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

Fax Cover Sheet

To: J. R. Morabito

Company: Melara Hart Fax #: 949/756-8460

From: Loly

Date: 1-27-99 Time: 4:28p.m.

Number of Pages(Including Cover): 4

Notes: Please, check the report and call us with any
additional request as soon as possible.

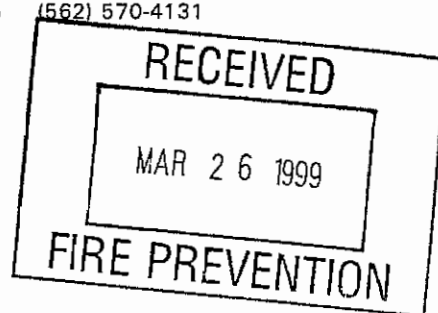


JOINT POWERS AGENCY
LONG BEACH/SIGNAL HILL



Unified Program Agency

2525 Grand Avenue • Long Beach, California 90815 • (562) 570-4131



March 25, 1999

Mr. David McCarthy
Public Service Yard
1725 San Francisco Avenue
Long Beach, California 90813

Re: 1725 San Francisco Avenue, Long Beach

Dear Mr. McCarthy:

This letter confirms the completion of the removal of two (2) 10,000 gallon, one (1) 1,000 gallon and one (1) 500 gallon underground storage tank(s) formerly located at the above described location.

Based on the information in the above referenced file and with the provision that the information provided to this agency was accurate and representative of site conditions, no further action related to the underground storage tank removal is required.

This notice is issued pursuant to a regulation contained in Section 2721(e) of Title 23 of the California Code of Regulations.

Please contact me at 562/570-4128 if you have any questions regarding this matter.

Sincerely,

Jeff Benedict, R.E.H.S., M.P.A.
Hazardous Waste Operations Officer

cc: Long Beach Fire Prevention Bureau
McLaren Hart, Inc.

sat let

REPORT

Tank Closure Report

City of Long Beach

Public Service Yard

1725 San Francisco Avenue
Long Beach, California

*No further action for this
address.
Letter issued 03-25-99*

May 17, 1999

Tank Closure Report

McLaren/Hart Job Number 03.0603625.001.001
Closure Permit No. F0268704

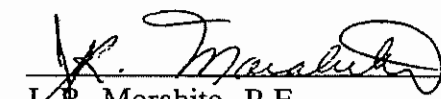
City of Long Beach Public Service Yard 1725 San Francisco Avenue Long Beach, California

May 17, 1999

Prepared for: **City of Long Beach Department of Health and Human
Services
Bureau of Environmental Health
Hazardous Materials Division
2525 Grand Ave.
Long Beach, California 90815**

**Long Beach Fire Department
Bureau of Fire Prevention
925 Harbor Plaza, Suite 100
Long Beach, California 90802**

Prepared by: **McLaren/Hart, Inc.
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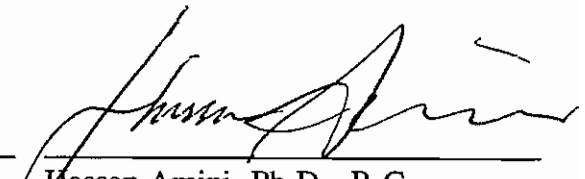

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1.0 INTRODUCTION

McLaren/Hart has prepared this *Tank Closure Report* to document the removal of three underground storage tanks (USTs) from the City of Long Beach Public Service Yard, 1725 San Francisco Avenue, Long Beach, California. The location of the subject property is shown on Figure 1. This report has been prepared in accordance with the requirements of the City of Long Beach Fire Department (LBFD), Bureau of Fire Prevention, Closure Permit No. F0268704.

The tank closure consisted of the permitted removal of three USTs from two separate locations on the subject property. The first location (Area A) is situated approximately 135 feet south of Esther Street and 205 feet east of the western property line. The second location (Area B) is situated approximately 682 feet south of Esther Street and 10 feet east of the western property line. Two 10,000-gallon single-walled steel USTs were removed from Area A and one 1,000-gallon double-walled fiberglass-coated steel UST was removed from Area B. The former locations of the USTs are indicated on Figure 2.

The two 10,000 gallon USTs removed from Area A formerly contained unleaded and diesel fuel. The 10,000 gallon UST that contained diesel fuel was manufactured on November 5, 1959 (UL No. D875886) and the other 10,000 gallon UST (UL No. F185708) contained unleaded fuel and was manufactured in 1966. The 1,000 gallon UST (UL No. 27606) and associated leak detection system was located in Area B and was installed on July 19, 1988. According to the City of Long Beach records it was never used.

2.0 TANK REMOVAL ACTIVITIES

Tank closure activities were conducted in compliance with Tank Closure Permit No. F0268704 issued by the LBFD. The tank closure permit is included in Appendix A. Prior to any excavation activities, Underground Service Alert was notified to identify public utilities in the excavation areas. The South Coast Air Quality Management District (SCAQMD) was notified prior to initiating tank removal activities in accordance with the Foss Environmental and Infrastructure Rule 1166-Contaminated Soil Mitigation Plan.

McLaren/Hart initiated UST removal activities on January 19, 1999. The tasks associated with tank removal activities discussed in this section are listed below.

- ▶ Pre-Excavation Procedures
- ▶ Tank Excavation, Cleaning, and Removal
- ▶ Soil Sampling and Analysis
- ▶ Backfill and Compaction

2.1 PRE-EXCAVATION PROCEDURES

McLaren/Hart conducted a utility survey in Areas A and B to assess the presence or absence of underground utilities. The survey was conducted prior to initiating any excavation activity.

McLaren/Hart prepared a site-specific Health and Safety Plan (HASP), which detailed the proposed tank removal activities. This HASP incorporated the requirements specified by the Occupational Safety and Health Administration (OSHA) Hazardous Waste Operations Standard in the Code of Federal Regulations, Title 29, Section 1910.120 (29 CFR 1910.120). Safety meetings were held at the beginning of each workday, when new personnel were introduced to the site, and when changes in site conditions warranted such meetings. Potential workplace hazards and problems were identified and control measures were implemented as needed.

Field activities were conducted according to the procedures outlined in the HASP. Subcontractors were required to operate in accordance with the HASP.

2.2 TANK EXCAVATION, CLEANING, AND REMOVAL

The UST removals were initiated on January 19, 1999. Prior to excavating in Area A, the 10,000 gallon unleaded UST was degassed and both the unleaded and diesel USTs were rendered inert using a total of 250 pounds of dry ice (125 pounds per tank). Overburden soil was then removed and stockpiled adjacent to the excavation. During tank removal activities, the workplace was periodically monitored for organic vapors using a photo ionization detector (PID) and continuously monitored for explosion hazards using a lower explosion limit/oxygen (LEL/O₂) meter.

Visual observation of the overburden soil and fill material removed from the excavation in Area-A indicated that it was stained. The soil and fill material also had a petroleum hydrocarbon odor. An organic vapor monitor (OVM) was used to measure the concentration of volatile organic compounds (VOCs) emanating from the soil and fill material. VOCs were detected at concentrations ranging from 1 to 17 parts per million (ppm). The overburden soil and fill material was placed on and covered with visqueen.

Following the soil removal, the top of each tank was opened using a pneumatic rivet-buster. Visual observation of the interior of the USTs indicated that diesel and unleaded gasoline tank each contained approximately three inches of sludge and fuel. Following removal of the residual fuel and sludge, the tanks and associated piping in Area-A were rinsed with a high-pressure washer. A total of 1,500 gallons of fuel, sludge, and rinsate were pumped from the tanks in Area-A utilizing a vacuum truck and transported under Hazardous Waste Manifest to Crosby & Overton, a permitted treatment facility located in Long Beach, California on January 20, 1999. The Uniform Hazardous Waste Manifest for the waste liquid is presented in Appendix B.

In Area B, the Fire Inspector did not require the 1,000-gallon UST to be degassed. Visual observation of the overburden and fill material surrounding the UST in Area B indicated that the material was not stained and no hydrocarbon odors were observed. The overburden material and fill (pea gravel) were stockpiled adjacent to the tank excavation for reuse during backfill operations. The tank in Area-B was not pressure washed.

Wei Wu Yuan, a marine chemist with Thomas Beck & Associates, Inc., visually inspected and monitored the atmospheric conditions inside the USTs in Area A and Area B for volatile and/or explosive chemicals. Mr. Wu Yuan certified the tanks as "clean" and "safe for hot work". The Tank Certification Report is presented in Appendix C. The USTs and associated piping in Area-A were removed from the excavation on January 21, 1999 and transported off-site to Hugo Neu-Proler Company for destruction as scrap materials. The tanks were observed to be in good condition with no holes noted. The destruction certificate for the tanks and associated piping is presented in Appendix D. The tank from Area-B was removed from the excavation on January 21, 1999 and left on site for salvage by the City of Long Beach.

2.2.1 Site Lithology

During excavation activities, layers of silty clay, clayey silt, silty sand and fine sand were encountered beneath the surface. Although some variation existed, the following describes the general lithologic conditions encountered along the excavation sidewalls. Concrete and crushed base material existed below grade to the depth of approximately one-foot. A one-foot layer of fine sand was encountered below the crushed base, followed by silty clay to the depth of approximately 5.5 feet. From 5.5 to 7.5 feet fine sand existed, below which was clayey silt to the depth of 17 feet. At the depth of 17 feet, the lithology changed to silty sand. The majority of the excavation was dug to a depth of 12 feet. The west side was excavated to a total depth of 18 feet. Figure 3 shows a cross-section of the excavation and a boring log, which describes the lithology in further detail, is presented in Figure 4. The depth to groundwater for the site was obtained from the Los Angeles County Department of Public Health, Hydrologic Records Division. Records show that depth to groundwater in the vicinity is approximately 19.7 feet bgs. Depth to groundwater was measured in well number 381K, located at the intersection of Gaylord Street and Harbor Avenue, approximately 0.9 miles from the site, on October 22, 1998.

2.3 SOIL SAMPLING AND ANALYSIS

Per the requirements of the approved LBFD closure permit confirmation soil samples were collected from the excavation area. A total of nine confirmation soil samples were collected from Area-A on January 21, 1999 under the direction of Long Beach Fire Inspector Wayne Swenson. (Since the UST in Area-B was never used, Inspector Swenson did not require samples from Area-B.) Soil samples were collected from two feet below the east and west ends of each UST (UT-E, UT-W, DT-E, DT-W), two feet below the product line (DP-1), two feet below each dispenser (DD-1, UD-1) and two from the soil stockpile (SP-1, SP-2). The soil sample locations are presented on Figure 2.

Because the bottom of the excavation was approximately 12 feet below the ground surface, the samples were collected from the excavator bucket utilizing a drive sampler containing a brass sleeve. Each end of the brass sleeve was then covered with a Teflon sheet, capped, and placed in a thermally insulated cooler with ice. Sampling equipment was decontaminated between sample events by washing with Liquinox soap and rinsing with distilled water.

Samples were transported under appropriate chain-of-custody procedures to American Scientific Laboratories (ASL) in Los Angeles, California. The soil samples were analyzed for total petroleum hydrocarbons as gas and diesel (TPH_g and TPH_d) using DHS/LUFT Method 8015 Modified; and benzene, toluene, ethylbenzene, and xylenes (BTEX), and methyl-*tertiary* butyl ether (MtBE) using EPA Method 8020. A summary of soil analytical laboratory results for all six soil samples are presented in Table 1.

The analytical results indicated that TPH_g was detected at a concentration greater than the reporting limit in five of the nine samples (DT-W, DD-1, UD-1, SP-1, and SP-2 at concentrations of 43 mg/kg, 15 mg/kg, 12 mg/kg, 3.2 mg/kg, and 300 mg/kg, respectively). TPH_d was detected above the reporting limits in two of the nine samples (DD-1 and SP-2 at concentrations of 11,400 mg/kg, and 9,310 mg/kg, respectively). Benzene was detected above the reporting limit in three of the nine samples (DT-W, DD-1, and UD-1 at concentrations of 18 µg/kg, 62 µg/kg, and 61 µg/kg, respectively). Toluene was detected above the reporting limit in four of the nine samples (DT-W, DD-1, UD-1, and SP-2 at concentrations of 55 µg/kg, 50 µg/kg, 784 µg/kg, and 732 µg/kg, respectively). Ethylbenzene was detected above the reporting limit in six of the nine samples (DT-E, DT-W, DD-1, UD-1, SP-1, and SP-2 at concentrations of 90 µg/kg, 450 µg/kg, 50 µg/kg, 186 µg/kg, 9 µg/kg, and 311 µg/kg,

respectively). Xylene was detected above the reporting limit in six of the nine samples (DT-E, DT-W, DD-1, UD-1, SP-1, and SP-2 at concentrations of 70 µg/kg, 524 µg/kg, 280 µg/kg, 1,660 µg/kg, 38 µg/kg, and 9,300 µg/kg, respectively). M/BE was detected above the reporting limit in six of the nine samples (UT-W, DT-E, DT-W, UD-1, SP-1, and SP-2 at concentrations of 115 µg/kg, 40 µg/kg, 195 µg/kg, 16,100 µg/kg, 80 µg/kg, and 3,820 µg/kg, respectively). Analytical data sheets and chain-of-custody records for the samples are included as Appendix E.

2.4 ADDITIONAL EXCAVATION AND SAMPLING

Based on the initial soil sample analytical results, McLaren/Hart excavated additional soil in the vicinity of samples DT-W, DD-1, and UD-1 on January 27, 1999. Approximately 31 cubic yards of impacted soil were removed from the west end of the diesel tank excavation (the area surrounding sample DT-W) to a depth of 18 feet below ground surface (bgs). Approximately 21 cubic yards of impacted soil was removed from beneath the former dispenser island (the area surrounding samples DD-1 and UD-1) to a depth of 6 feet bgs.

Three confirmation soil samples, DT-W.1, DD-2, and UD-2 were collected from these additional excavations on January 27, 1999. Sample DT-W.1 originated from near the west end of the diesel tank excavation at a depth of 18 feet bgs. Sample DD-2 was collected from beneath the former location of the diesel dispenser at a depth of 6 feet bgs, and UD-2 was collected from beneath the former location of the unleaded dispenser at a depth of 6 feet bgs. Sample locations are presented on Figure 2.

Soil sample DT-W.1 was collected from the bucket of the excavator using a drive sampler containing a brass sleeve. Soil samples DD-2 and UD-2 were collected utilizing a drive sampler containing a brass sleeve directly from the bottom of the excavation. Each end of the brass sleeve was then covered with a Teflon sheet, capped, and placed in a thermally insulated cooler with ice. Sampling equipment was decontaminated between sample events by washing with Liquinox soap and rinsing with distilled water.

The samples were transported under appropriate chain-of-custody procedures to ASL in Los Angeles, California on January 27, 1999. The soil samples were analyzed for TPH_g and TPH_d using EPA Method 8015 Modified and for BTEX and M/BE using EPA Method 8020. Analytical laboratory results for the three soil samples are presented in Table 1. The analytical

results indicated that TPH_s, TPH_d, BTEX, and M_tBE were not detected above laboratory detection limits with the exception of DT-W.1, which had an M_tBE concentration of 32 µg/kg per EPA Method 8020. Analytical data sheets and chain-of-custody records for the samples are included as Appendix E.

2.5 TRANSPORTATION AND DISPOSAL OF CONTAMINATED SOIL

All of the soil removed from the Area-A tank excavation was transported off site for thermal treatment and recycling. Approximately 312 tons of petroleum contaminated soil was transported under Non-Hazardous Waste Manifest to Thermal Remediation Solution (TRS) located in Azusa, California on February 2, 1999. Copies of manifests and Weighmaster Certificates from TRS are included as Appendix F.

2.6 BACKFILL, COMPACTION, AND PAVING

Fill soil generated during the installation of two new USTs at the southern end of the facility was used to backfill the void remaining from removal of the USTs in Area-A. The excavation in Area-B was backfilled using the pea-gravel removed during the UST excavation, with import pea-gravel and base material used to make up for the tank void.

The excavation bottom in Area-A was prepared prior to backfill by rolling loose material with a sheep's foot mounted on an excavator. Following the initial compaction, Smith-Emery GeoServices, Inc. (Smith-Emery) inspected the excavation subgrade. Fill material was placed in the excavation in horizontal lifts approximately 12-inches thick and compacted to a minimum of 90 percent relative compaction using the sheep's foot. Smith-Emery continuously inspected and documented backfilling procedures.

The top 6-inches of the excavations in Area-A and Area B were backfilled using base material compacted to 95percent relative compaction. The compaction testing was performed by Smith-Emery and the Report of Compaction Testing is included in Appendix G. The excavations in Area-A and Area B were paved with 4-inches of asphalt on February 11, 1999.

3.0 CONCLUSIONS AND RECOMMENDATIONS

Visual observations made during removal of the tanks from Area A indicated that the USTs were intact with no sign of holes. Discolored or odorous soil removed during the UST excavation in Area A was transported off site for treatment. A total of nine confirmation soil samples were collected from Area-A on January 21, 1999 under the direction of LBFD. Based on the analytical results, some soil samples collected from Area A contained concentrations of TPH_d, benzene, and MtBE that exceeded the maximum soil screening levels for gravel within 20 feet of groundwater (May 1996, California Regional Water Quality Control Board's *Interim Site Assessment and Cleanup Guidebook*).

Subsequently, additional soil in the vicinity of samples DT-W, DD-1, and UD-1 was removed from the excavation in Area A on January 27, 1999. Three confirmation soil samples, DT-W.1, DD-2, and UD-2 were collected from these additional excavations on January 27, 1999. Final sampling results indicated that TPH_g, TPH_d, and BTEX were not present at concentrations exceeding the method detection limits. MtBE was detected in the soil beneath the tanks in samples DT-E, DT-W.1, and UT-W at concentrations of 40 µg/kg, 32 µg/kg, and 195 µg/kg, respectively.

Based on visual observations and the soil sample analytical results, submitted to the City of Long Beach Department of Human and Health Services on January 26, 1999 and February 1, 1999, a letter recommending no further action related to the UST removal was issued on March 25, 1999. A copy of this letter is included in Appendix H.

TABLES



Tables

Table 1

City of Long Beach;
Public Service Yard Tank Removal: Summary of Soil Analytical Results

		Contituent Concentration By EPA Methods 8015M & 8020						
Sample	Sample Depth (ft bgs)	TPHg (mg/Kg)	TPHd (mg/Kg)	Benzene (ug/Kg)	Toluene (ug/Kg)	Ethyl Benzene (ug/Kg)	Xylene (ug/Kg)	MTBE (ug/Kg)
UT-E	14	<1	<10	<5	<5	<5	<10	<20
UT-W	15	<1	<10	<5	<5	<5	<10	115
DT-E	14	<1	<10	<5	<5	90	70	40
DT-W	15	43	<10	18	55	450	524	195
DP-1	4	<1	<10	<5	<5	<5	<10	<20
DD-1	2	15	11400	62	50	50	280	<200
UD-1	2	12	<10	61	784	186	1660	16100
SP-1	NA*	3.2	<10	<5	<5	9	38	80
SP-2	NA	300	9310	<500	732	311	9300	3820
DT-W.1	18	<1	<10	<5	<5	<5	<10	32
DD-2	6	<1	<10	<5	<5	<5	<10	<20
UD-2	6	<1	<10	<5	<5	<5	<10	<20

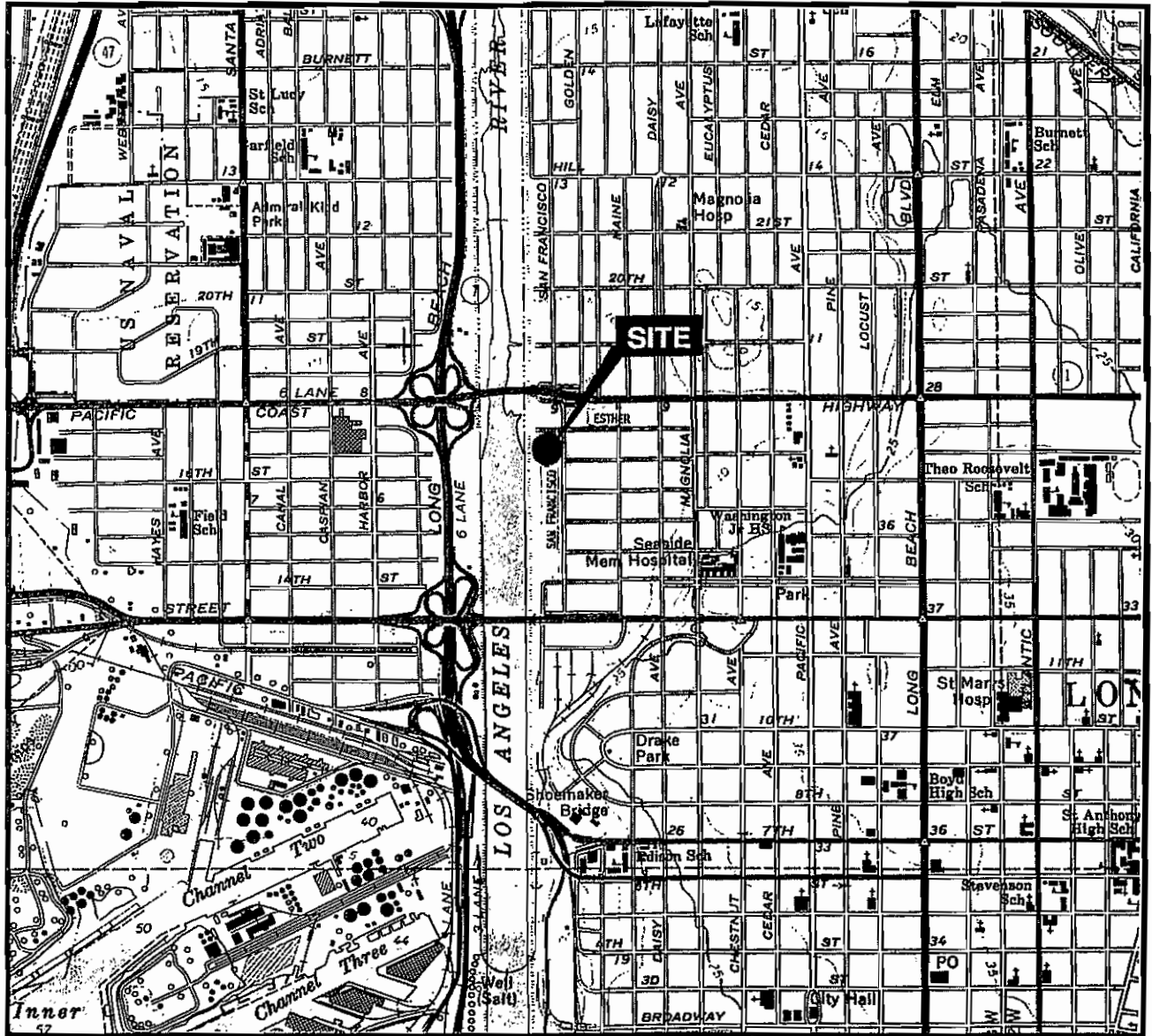
* Not Applicable

FIGURES



Figures

FIGURE 1
SITE LOCATION PLAN
CITY OF LONG BEACH SERVICE YARD
1725 SAN FRANCISCO AVENUE
LONG BEACH, CALIFORNIA



SOURCE: FROM THE USGS MAP, LONG BEACH QUADRANGLE, CALIFORNIA
 7.5 MINUTES SERIES (TOPOGRAPHIC) 1964 - PHOTOREVISED 1981.



0 2000'



SCALE

CITY_LB/SITEMAP.DWG (2/18/99)

030603625.001.001

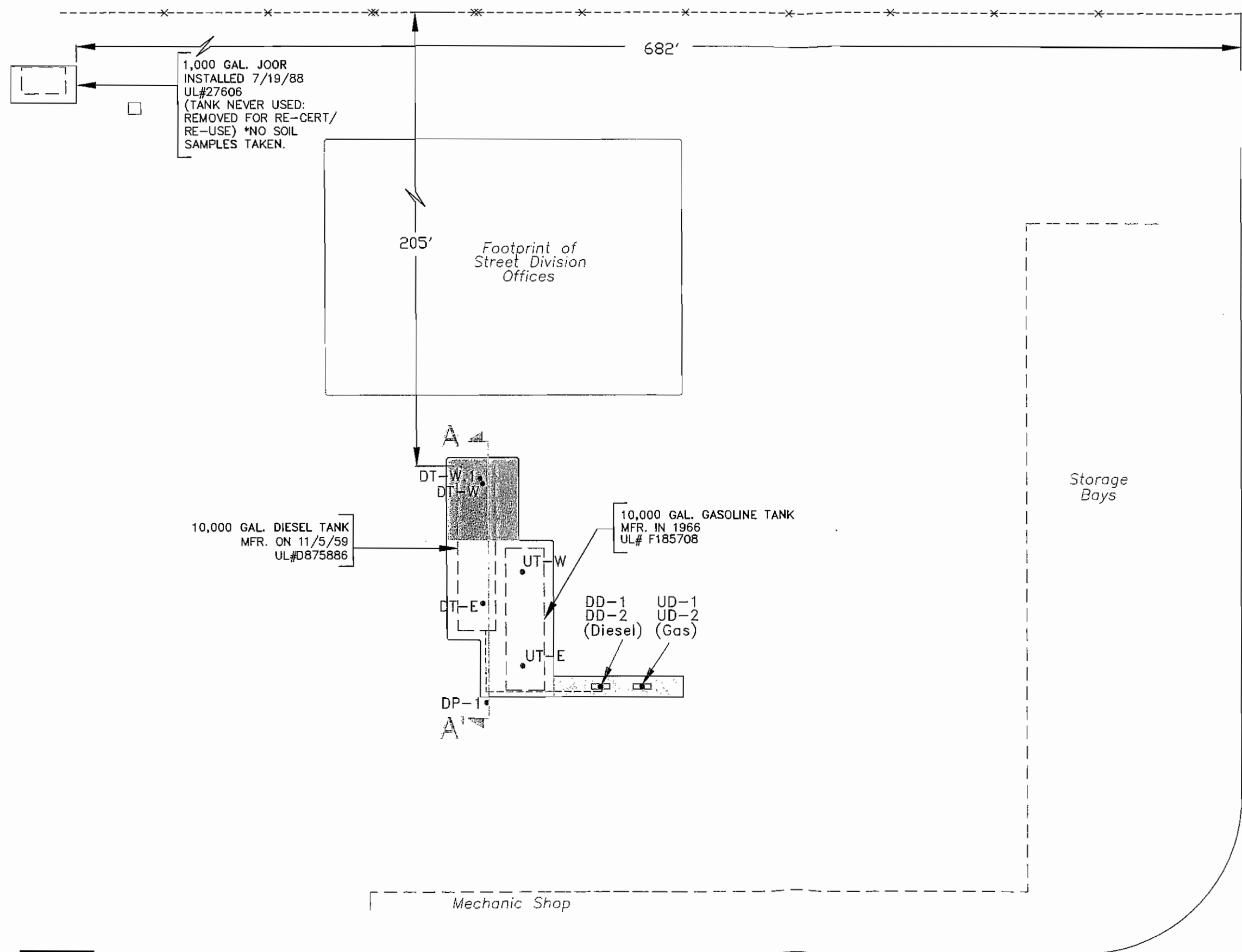


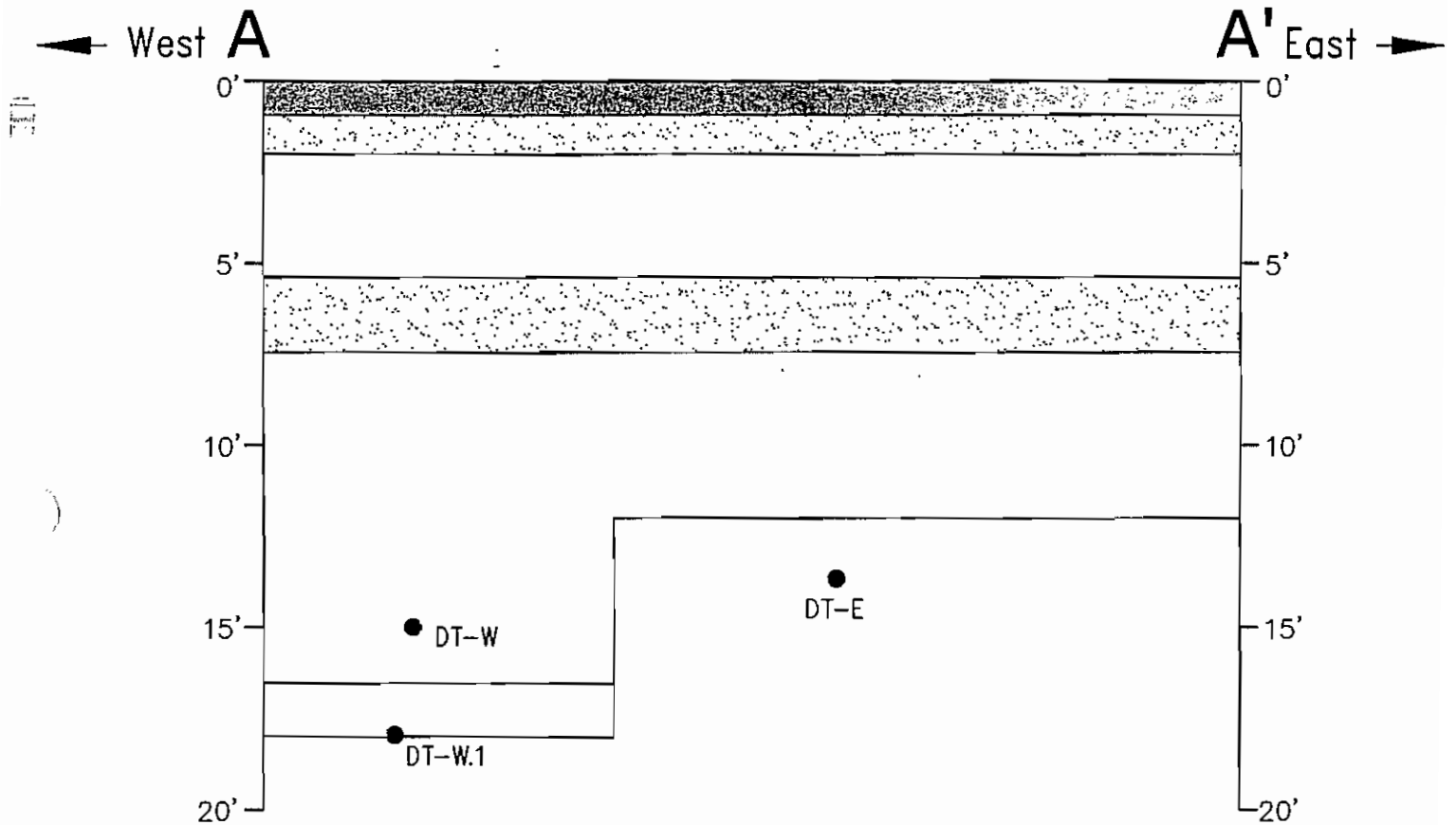
FIGURE 2
 SITE PLOT PLAN
 UST REMOVAL
 CITY OF LONG BEACH
 PUBLIC SERVICE YARD
 1725 SAN FRANCISCO AVENUE
 LONG BEACH, CALIFORNIA

- LEGEND**
- SAMPLE LOCATION
 - FORMER DISPENSER LOCATION
 - - - FORMER TANK LOCATION
 - EXCAVATION LIMITS
 - ░ EXCAVATED TO 6' BGS
 - ░░ EXCAVATED TO 10' BGS
 - ░░░ EXCAVATED TO 12' BGS
 - ░░░░ EXCAVATED TO 18' BGS



0 20'
 SCALE IN FEET
 (UNLESS OTHERWISE NOTED)

FIGURE 3
CROSS-SECTION A-A'
CITY OF LONG BEACH SERVICE YARD
1725 SAN FRANCISCO AVENUE
LONG BEACH, CALIFORNIA



LEGEND	
●	SOIL SAMPLE LOCATION
[Pattern: Dotted]	CONCRETE, ASPHALT, CRUSHED BASE MATERIAL
[Pattern: Horizontal lines]	FINE SAND
[Pattern: Vertical lines]	CLAY
[Pattern: Diagonal lines]	SILT
[Pattern: Stippled]	SILTY SAND
Note: Cross-section Represents Native Materials Observed on Sidewalls of Excavation	

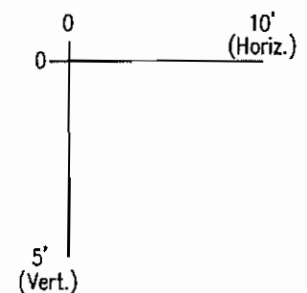


FIGURE 4

SB/MW#: N/A
 #D- 2492
 Page 1 of 1
 Sampler: A. Hillman

SOIL DRILLING LOG

PROJECT City of Long Beach LOCATION 1601 San Francisco, Long Beach Public Service Yard
 ELEVATION _____ MONITORING DEVICE N/A
 SAMPLING DATE(S) 1/28/99 START 8:00 AM FINISH _____
 SAMPLING METHOD Excavation/Grab SUBCONTRACTOR & EQUIPMENT _____ FOSS
 MEMO _____

Depth Below Surface (ft.)	Penetration Results		Sampler Depth Interval (ft.)	Sample ID #	OVM Reading (ppm)	Soil Description Color, Texture, Moisture, Etc.	Unified Class.	Graphic Log	Sample Depth	Borehole Abandonment/ Well Construction Details		
	Blows 6"-6"-6"	BPF										
0.0						Concrete, (0-6").	AC					
1.0						Crushed base material, (6"-1').	SP					
2.0						Fine sand: (0,98,2,0); greenish gray (10G 5/1); 60% fine, 40% very fine sand; poorly graded; subangular; damp.	CL					
5.0						Silty clay: (0,0,45,55); dark greenish gray (10Y 3/1); plastic, damp.	SP					
7.5						Fine sand: (0,98,2,0); greenish gray (10G 5/1); 60% fine, 40% very fine sand; poorly graded; subangular; damp; slight hydrocarbon odor.	ML					
10.0						Clayey silt: (0,5,65,30); dark greenish gray (10Y 3/1); non-plastic; fine sand only; damp.						
17.0												
18.0						Silty sand: (0,85,15,0); dark olive gray (5Y 3/2); 80% fine, 20% very fine sand; poorly graded; subangular; moist.	SM					
20.0												
										T.D. = 18'		

Appendix A

Closure Permit

LICENSED CONTRACTORS DECLARATION				WORKER'S COMPENSATION DECLARATION			
I hereby affirm that I am licensed under provisions of Chapter 9 (Commencing with Section 7000) of Division 3 of the Business and Professional Code, and my license is in full force and effect. License Class _____ License No. _____ Date _____ Contractor _____				I hereby affirm that I have a certificate of consent to self-insure or a certificate of worker's compensation insurance or a certified copy thereof. Policy No. _____ Company _____ * Certified copy is hereby furnished. * Certified copy is filed with the Department of Planning and Building. Date _____ Applicant _____ CERTIFICATE OF EXEMPTION FROM WORKER'S COMPENSATION INSURANCE I certify that in the performance of the work for which this permit is issued I shall not employ any person in any manner so as to become subject to the Worker's Compensation Laws of California. Date _____ Applicant _____ NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to work's Comp. provisions of the Labor Code. You must forthwith comply with such provisions or this permit shall be deemed revoked. CONSTRUCTION LENDING AGENCY I hereby state that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3907, Civ. C.). Lender's Name _____ Lender's Address _____ I certify that I have read this application and state that the above information is correct. I agree to comply with all City and State laws relating to the building construction, and hereby authorize representatives of this city to enter upon the above mentioned property for inspection purposes. Signature of Owner or Contractor _____ Date _____			
OWNER-BUILDER DECLARATION I hereby affirm that I am exempt from the Contractors License Law for the following reason (Sec. 7031 California Business and Professional Code: Any City which requires a permit to construct, alter, improve, demolish or repair any structure prior to its issuance also requires the applicant for such permit to file a signed statement that he is a licensed contractor pursuant to the provisions of the Contractors License Law (Ch. 9 (Commencing with Sec 7000 of Div. 3 of the B. & P. C.)) or that he is exempt therefrom and the basis for the alleged exemption. Any violation of Sec 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars (\$500.00).: * I as owner of the property, or my employees with wages as their sole compensation, will do the work and the structure is not intended or offered for sale (Sec 7044, B. & P. C. : The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvements is sold within one year of completion, the owner-builder will have burden of proving that he did not build or improve for the purpose of sale.). * I as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, B. & P.C.: The Contractors License Law does not apply to an owner of contracts for such projects with a Contractor(s) License pursuant to the Contractors License Law.). * I am exempt under Sec. _____, B. & P.C. for this reason _____ Date _____ Owner _____ -IMPORTANT- Application is hereby made to the Fire Marshal, Bureau of Fire Prevention for a permit subject to the conditions and restrictions set forth on the front faces of this application. 1 Each person upon whose behalf this application is made and each person at whose benefit work is performed under or pursuant to any permit issued as a result of this application agrees to and shall indemnify and hold harmless the City of Long Beach its officers, agents and employees from any liability arising out of the issuance of any permit from this application. 2 Any permit issued as a result of this application becomes null and void if work is not commenced within ONE HUNDRED EIGHTY (180) DAYS from date of issuance of such permit.				Fire Prevention Plans Received By Date _____			
JOB ADDRESS 1601 SAN FRANCISCO AVE JOB DESCRIPTION JUST -REMOVE (3) UNDERGROUND TANKS @PUBLIC SERVICE MAINT YARD/COLB OWNER PUBLIC, CITY BEACH ADDRESS 1601 SAN FRANCISCO AVE CITY LONG BEACH CA 90813 APPLICANT ENVIRONMENTAL, FOSS CONTRACTOR ADDRESS _____ CITY _____ STATE _____ ZIP CODE _____ PHONE _____ STATE LICENSE NO. _____ CITY LICENSE NO. _____ ARCHITECT/ENGINEER _____ LICENSE NO. _____ ADDRESS CITY _____ STATE _____ ZIP CODE _____ PHONE _____ VALUATION _____ PRESENT BLDG USE _____ PROPOSED BLDG USE _____ BLDG HEIGHT _____ TYPE OF CONST _____ LEGAL DESCRIPTION _____ PAID BY CHECK FEES \$400.00				RECEIPT NO. 0232124 DATE 01/06/99 PROJECT NO. F0268704 OCCUPANCY _____ PLANNING _____ ASSESSOR NO. 7271012901 ZONE IG FSB _____ S _____ RSB _____ CENSUS TR. 5754.00 TRANSACTIONS UNDRGRND TANK Per \$400.00			

Paid By: ENVIRONMENTAL, FOSS

Check # 4917

UNDERGROUND TANKS		TOTAL FEE		400.00
MISCELLANEOUS	REMOVE/3	1	400.00	Misc Fee
				400.00



)

)

A

B



Appendix B

Rinsate Uniform

Hazardous Waste Manifest

02/26/99 FRI 09:08 FAX 310 4321826

FEIS LB

002

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-99)
Please print or type. Form designed for use on a (12-pick) typewriter.

See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by federal law.
3. Generator's Name and Mailing Address CITY OF LONG BEACH 1601 SAN FRANCISCO STREET LONG BEACH, CA 90803		1. Generator's US EPA ID No. 0AD9014506874		2. Manifest Document No. 2906	
4. Generator's Phone ()		6. US EPA ID Number 0AD90803610825		9. State Hazardous Disposal Facility 97242906	
5. Transporter 1 Company Name OCEAN BLUE ENVIRONMENTAL		8. US EPA ID Number		10. State Hazardous Disposal Facility 562-624-4120	
7. Transporter 2 Company Name		10. US EPA ID Number		11. State Hazardous Disposal Facility 562-452-5445	
9. Designated Facility Name and Site Address CROSBY & OVERTON 1630 W. 17TH STREET LONG BEACH, CA 90813		12. Containers No. Type		13. Total Quantity EST. VOL.	
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number) a. NON PCRA HAZARDOUS WASTE LIQUID		12. Containers No. Type		13. Total Quantity EST. VOL.	
b.		12. Containers No. Type		13. Total Quantity EST. VOL.	
c.		12. Containers No. Type		13. Total Quantity EST. VOL.	
d.		12. Containers No. Type		13. Total Quantity EST. VOL.	
15. Special Handling Instructions and Additional Information USE APPROPRIATE P.P.E.		16. Handling Codes for Waste 15		17. State Hazardous Disposal Facility 562-452-5445	
24 HOUR EMERGENCY CONTACT: FOSS ENVIRONMENTAL 562-590-6700		18. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.		19. State Hazardous Disposal Facility 562-452-5445	
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.		20. State Hazardous Disposal Facility 562-452-5445		21. State Hazardous Disposal Facility 562-452-5445	
Printed/Typed Name TOM MARTIN		Signature TOM MARTIN		Month Day Year 01/12/99	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name FRANK M. AGEYTA		Signature Frank M. Ageyta		Month Day Year 01/12/99	
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature		Month Day Year	
19. Discrepancy Indication Space NOT LOAD FLASHED AT 66%FC SHOULD HAVE BEEN FLAMMABLE LIQUIDS, 3, UN 1993 IF		20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.		21. State Hazardous Disposal Facility 562-452-5445	
Printed/Typed Name LARRY RO		Signature Larry Ro		Month Day Year 01/20/99	

DO NOT WRITE BELOW THIS LINE.

C



Appendix C

Marine Chemist Certificate

FOSS ENV. Requested By
Vessel UNDERGROUND TANK
Last Cargo GASOLINE, DIESEL
City of L.B. Vessel Owner or Agent
Type of Vessel STORAGE
Tests Performed LEL, O₂, VIS.
Date 1-21-99
Specific Location of Vessel L.B. SAN FRANCISCO
Time Survey Completed 0820

TWO STEEL TANKS
9622-1
9622-2

TESTED: 0% LEL

SAFE FOR HOT WORK
NOT SAFE FOR WORKERS
IN TANK

1012 DOUBLE-WALL
TANK
9622-3

TESTED: 0% LEL

SAFE FOR COLD WORK
AND TRANSPORTATION

In the event of any physical or atmospheric adversely affecting the STANDARD SAFETY DESIGNATIONS assigned to any of the above spaces, or if any doubt, immediately stop all work and contact the undersigned Marine Chemist.

QUALIFICATIONS: Transfer of ballast or manipulation of valves or closure equipment tending to alter conditions in pipe lines, tanks or compartments subject to gas accumulation, unless specifically approved in this Certificate, requires inspection and endorsement or reissue of Certificate for the spaces so effected. All lines, vents, heating coils, valves, and similarly enclosed appurtenances shall be considered "not safe" unless otherwise specifically designated.

STANDARD SAFETY DESIGNATIONS (partial list, paraphrased from NFPA 306 Subsections 2-3.1 through 2-3.5, and Subsection 6-3.2)

SAFE FOR WORKERS: Means that in the compartment of space so designated: (a) the oxygen content of the atmosphere is at least 19.5 percent by volume; and that, (b) toxic materials in the atmosphere are within permissible concentrations; and that, (c) the residues are not capable of producing toxic materials under existing atmospheric conditions while maintained as directed on the Marine Chemist's Certificate.

NOT SAFE FOR WORKERS: Means that in the compartment of space so designated, the requirements of Safe for Workers have not been met.

ENTER WITH RESTRICTIONS: Means that in any compartment or space so designated, entry for work may be made only if conditions of proper protective equipment, clothing, and time are specified.

SAFE FOR HOT WORK: Means that in any compartment designated: (a) oxygen content of the atmosphere is at least 19.5 percent by volume, with the exception of inerted spaces or where external hot work is to be performed; and that, (b) the concentration of flammable materials in the atmosphere is below 10 percent of the lower flammable limit; and that, (c) the residues are not capable of producing a higher concentration than permitted by (b) above under existing atmospheric conditions in the presence of fire, and while maintained as directed on the Marine Chemist's Certificate; and further, that, (d) all adjacent spaces containing or having contained flammable or combustible materials have been cleaned sufficiently to prevent the spread of fire, or are satisfactorily inerted, or, in the case of fuel tanks or lube oil tanks, or engine room or fire room bilges, have been treated in accordance with the Marine Chemist's requirements.

NOT SAFE FOR HOT WORK: Means that in the compartment so designated, the requirements of Safe for Hot Work have not been met.

CHEMIST'S ENDORSEMENT. This is to certify that I have personally determined that all spaces in the foregoing list are in accordance with NFPA 306 Control of Gas Hazards on Vessels and have found the condition of each to be in accordance with its assigned designation.

* undersigned acknowledges receipt of this Certificate under Section 2-6 of NFPA 306 and understands conditions and limitations under which it was issued.

This Certificate is based on conditions existing at the time the inspection herein set forth was completed and is issued subject to compliance with all qualifications and instructions.

Signed Brian Roth Foss
Name Company

1/21/99
Date

Signed M.S. Yman 597
Marine Chemist Certificate No.

D



Appendix D

Tank Destruction Certificate

JOS. LEVIN & SONS

SCRAP IRON AND METALS
EST. 1892

RE: DISPOSAL AND SCRAPING OF TANKS

Received on January 21, 1999 two 10,000 gallon fuel tanks marked 9622-1 and 9622-2 from 1601 San Francisco St. City of Long Beach, accompanied with a certificate from Harbor Testing Laboratory, certifying safe for hot work by marine chemist (ID# 9622). These tanks were destroyed & prepared for remelting purposes only.



Ron Levin
President

E



Appendix E

Laboratory Data Sheets and Chain-of-Custody Documentation



AMERICAN SCIENTIFIC LABORATORIES, LLC

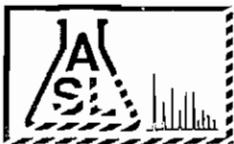
Environmental Testing Services

3225 San Fernando Road, LA, CA 90065 Tel: (323) 254-7700 • Fax: (323) 254-7799

Page 1 of 2

ASL JOB# 4478

Company: McLAREN/HART						Report To: J.R. MORABITO		ANALYSIS REQUESTED													
Address: 16755 Von Karman Ave						Project Name: LRC TANK REMOVAL		Address: SAME		8015 M DIESEL 7015 M GAS BTX & MTBE 8010											
IRVINE, CA						Site Address: 1601 SAN FRANCISCO AVE		Invoice To: SAME													
Telephone: 949 752 3202								Address: N/A													
Fax: 949 756 8460																					
Special Instruction: FAX RESULTS UPON COMPLETION						Project ID: 030603625.001.001		P.O.#:													
ITEM	LAB USE ONLY		SAMPLE DESCRIPTION				Container(s)		Matrix	Preservation											Remarks
	Lab ID	Sample ID	Date	Time	#	Type															
	30322	DD-1	1-21-99	09:20	1	BRASS	SOIL	4°C	X	X	X									2' bgs	
	30323	DT-E		10:00					X	X	X									14' bgs	
	30324	UT-E		10:10					X	X	X									14' bgs	
	30325	UT-W		10:25					X	X	X									15' bgs	
	30326	DT-W		10:35					X	X	X									15' bgs	
	30327	UD-1		10:50					X	X	X									2' bgs	
	30328	DP-1		11:30					X	X	X									4' bgs	
	30329	SP-1		11:35					X	X	X									STOCKPILE WEST	
	30330	SP-2		11:40					X	X	X									STOCKPILE EAST	
(24 HR.)																					
Collected By: J. HANEY						Date: 1/21/99		Time: 12:00		Relinquished By: [Signature]						Date: 1/21		Time: 14:45		TAT	
Relinquished By: [Signature]						Date: 1/21/99		Time: 14:45		Received For Laboratory: [Signature]						Date: 1/21		Time: 14:45		☐ Normal ☒ Rush	
Condition of Sample:																					



AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

McLaren Hart
16755 Von Karman Ave.
Suite 200
Irvine, CA 92606-4918

Number of Pages: 13
Date Received : 01/21/99
Date Reported : 01/22/99

Attn : J.R.Morabito
Phone: 949/756-2667

ASL Job Number: 4478

Project Name : LBC Tank Removal
Project Number : 030603625.001.001

Site: 1601 San Francisco Ave.

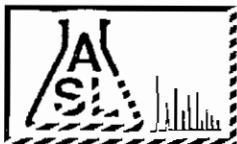
Enclosed are the results of analyses on 9 soil samples
analyzed as specified on attached chain of custody.

Checked By

Wenhu

Approved By

Robert G. Araghi
ROBERT G. ARAGHI
LABORATORY DIRECTOR



AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4478
Project ID: 030603625.001.001
Project Name: LBC Tank Removal

Page: 2

Report To: (MCLH)
McLaren Hart
16755 Von Karman Ave.
Suite 200
Irvine, CA 92606-4918

Site: 1601 San Francisco Ave.

Attn: J.R.Morabito

Phone: 949/756-2667

Method: (8015M/DHSLUFT)
TPH as Diesel Range Organics
Matrix: Soil
Units: mg/kg

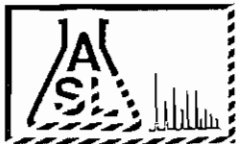
Lab ID:	30322	30323	30324	30325	
Sample No:	DD-1	DT-E	UT-E	UT-W	
Date Sampled:	01/21/99	01/21/99	01/21/99	01/21/99	
Date Extracted:	01/21/99	01/21/99	01/21/99	01/21/99	Detection
Date Analyzed:	01/21/99	01/21/99	01/21/99	01/21/99	Limit

TPH DRO (C13-C22)	11400	ND	ND	ND	10
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Quality Control Report

Lab ID:	30322	30323	30324	30325
Surrogate %REC. Chlorobenzene	109	87	85	84
	Spike %REC.	Spike DUP. %REC.	AVG. RPD	
TPH as Diesel	99	99	< 1	

ND - Not Detected at The Detection Limit



AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4478
Project ID: 030603625.001.001
Project Name: LBC Tank Removal

Page: 3

Report To: (MCLH)
McLaren Hart
16755 Von Karman Ave.
Suite 200
Irvine, CA 92606-4918

Site:
1601 San Francisco Ave.

Attn: J.R.Morabito

Phone: 949/756-2667

Method: (8015M/DHSLUFT)
Matrix: TPH as Diesel Range Organics
Units: Soil
mg/kg

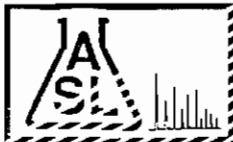
Lab ID:	30326	30327	30328	30329	
Sample No:	DT-W	UD-1	DP-1	SP-1	
Date Sampled:	01/21/99	01/21/99	01/21/99	01/21/99	
Date Extracted:	01/21/99	01/21/99	01/21/99	01/21/99	Detection
Date Analyzed:	01/21/99	01/21/99	01/21/99	01/21/99	Limit

TPH DRO (C13-C22)	ND	ND	ND	ND	10
-------------------	----	----	----	----	----

Quality Control Report

Lab ID:	30326	30327	30328	30329
Surrogate %REC. Chlorobenzene	85	95	82	96
	Spike %REC.	Spike DUP. %REC.	AVG. RPD	
TPH as Diesel	99	99	< 1	

ND - Not Detected at The Detection Limit



AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4478
Project ID: 030603625.001.001
Project Name: LBC Tank Removal

Page: 4

Report To: (MCLH)
McLaren Hart
16755 Von Karman Ave.
Suite 200
Irvine, CA 92606-4918

Site: 1601 San Francisco Ave.

Attn: J.R. Morabito

Phone: 949/756-2667

Method:	(8015M/DHSLUFT)
Matrix:	TPH as Diesel Range Organics
Units:	Soil mg/kg
Lab ID:	30330
Sample No:	SP-2
Date Sampled:	01/21/99
Date Extracted:	01/21/99
Date Analyzed:	01/21/99
	Detection Limit

TPH DRO (C13-C22)	9310	10
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Quality Control Report

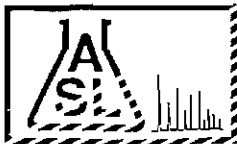
Lab ID: 30330

Surrogate %REC.
Chlorobenzene

120

	Spike %REC.	Spike DUP. %REC.	AVG. RPD
TPH as Diesel	99	99	< 1

ND - Not Detected at The Detection Limit



AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4478
Project ID: 030603625.001.001
Project Name: LBC Tank Removal

Page: 5

Report To: (MCLH)
McLaren Hart
16755 Von Karman Ave.
Suite 200
Irvine, CA 92606-4918

Site: 1601 San Francisco Ave.

Attn: J.R. Morabito

Phone: 949/756-2667

Method: [8015MOD/8020]
TPH as Gasoline/BETX & MTBE
Matrix: Soil
Units: ug/kg
Lab ID: 30322
Sample No: DD-1
Date Sampled: 01/21/99
Date Extracted: 01/21/99
Date Analyzed: 01/22/99

Detection
Limit

Benzene	62	50
Ethylbenzene	50	50
Toluene	50	50
Xylenes (Total)	280	100
MTBE	ND	200
TPH as Gasoline	15	10 (mg/Kg)

Quality Control Report

Lab ID: 30322

Surrogate %REC.
Bromofluorobenzene 119

	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Benzene	115	106	8.1
Toluene	114	103	10.1

ND - Not Detected at The Detection Limit



AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4478
Project ID: 030603625.001.001
Project Name: LBC Tank Removal

Page: 6

Report To: (MCLH)
McLaren Hart
16755 Von Karman Ave.
Suite 200
Irvine, CA 92606-4918

Site: 1601 San Francisco Ave.

Attn: J.R.Morabito

Phone: 949/756-2667

Method: [8015MOD/8020]
TPH as Gasoline/BETX & MTBE
Matrix: Soil
Units: ug/kg
Lab ID: 30323
Sample No: DT-E
Date Sampled: 01/21/99
Date Extracted: 01/22/99
Date Analyzed: 01/22/99

Detection
Limit

Benzene	ND	5
Ethylbenzene	90	5
Toluene	ND	5
Xylenes (Total)	70	10
MTBE	40	20
TPH as Gasoline	ND	1.0 (mg/Kg)

Quality Control Report

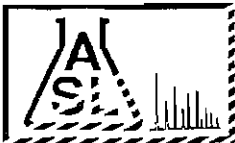
Lab ID: 30323

Surrogate %REC.
Bromofluorobenzene

114

	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Benzene	115	106	8.1
Toluene	114	103	10.1

ND - Not Detected at The Detection Limit



AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4478
Project ID: 030603625.001.001
Project Name: LBC Tank Removal

Page: 7

Report To: (MCLH)
McLaren Hart
16755 Von Karman Ave.
Suite 200
Irvine, CA 92606-4918

Site: 1601 San Francisco Ave.

Attn: J.R. Morabito

Phone: 949/756-2667

Method: [8015MOD/8020]
TPH as Gasoline/BETX & MTBE
Matrix: Soil
Units: ug/kg
Lab ID: 30324
Sample No: UT-E
Date Sampled: 01/21/99
Date Extracted: 01/21/99
Date Analyzed: 01/21/99

Detection
Limit

Benzene	ND	5
Ethylbenzene	ND	5
Toluene	ND	5
Xylenes (Total)	ND	10
MTBE	ND	20
TPH as Gasoline	ND	1.0 (mg/Kg)

Quality Control Report

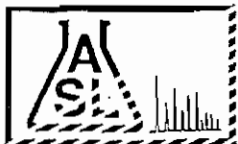
Lab ID: 30324

Surrogate %REC.
Bromofluorobenzene

84

	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Benzene	105	104	< 1
Toluene	101	100	1

ND - Not Detected at The Detection Limit



AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4478
Project ID: 030603625.001.001
Project Name: LBC Tank Removal

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Report To: (MCLH)
McLaren Hart
16755 Von Karman Ave.
Suite 200
Irvine, CA 92606-4918

Site: 1601 San Francisco Ave.

Attn: J.R.Morabito

Phone: 949/756-2667

Method: [8015MOD/8020]
TPH as Gasoline/BETX & MTBE
Matrix: Soil
Units: ug/kg
Lab ID: 30325
Sample No: UT-W
Date Sampled: 01/21/99
Date Extracted: 01/21/99
Date Analyzed: 01/21/99
Detection Limit

Benzene	ND	5
Ethylbenzene	ND	5
Toluene	ND	5
Xylenes (Total)	ND	10
MTBE	115	20
TPH as Gasoline	ND	1.0 (mg/Kg)

Quality Control Report

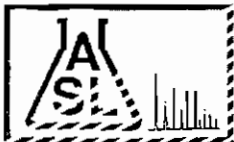
Lab ID: 30325

Surrogate %REC.
Bromofluorobenzene

114

	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Benzene	105	104	< 1
Toluene	101	100	1

ND - Not Detected at The Detection Limit



AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4478
Project ID: 030603625.001.001
Project Name: LBC Tank Removal

Page: 9

Report To: (MCLH)
McLaren Hart
16755 Von Karman Ave.
Suite 200
Irvine, CA 92606-4918

Site:
1601 San Francisco Ave.

Attn: J.R.Morabito

Phone: 949/756-2667

Method: [8015MOD/8020]
TPH as Gasoline/BETX & MTBE
Matrix: Soil
Units: ug/kg
Lab ID: 30326
Sample No: DT-W
Date Sampled: 01/21/99
Date Extracted: 01/22/99
Date Analyzed: 01/22/99
Detection Limit

Benzene	18	5
Ethylbenzene	450	5
Toluene	55	5
Xylenes (Total)	524	10
MTBE	195	20
TPH as Gasoline	43	1.0 (mg/Kg)

Quality Control Report

Lab ID: 30326

Surrogate %REC.
Bromofluorobenzene 120

	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Benzene	115	106	8.1
Toluene	114	103	10.1

Comment to Sample(s)
30326: MTBE not included in TPH calculation.

ND - Not Detected at The Detection Limit



AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4478
Project ID: 030603625.001.001
Project Name: LBC Tank Removal

Page: 10

Report To: (MCLH)
McLaren Hart
16755 Von Karman Ave.
Suite 200
Irvine, CA 92606-4918

Site: 1601 San Francisco Ave.

Attn: J.R.Morabito

Phone: 949/756-2667

Method: [8015MOD/8020]
TPH as Gasoline/BETX & MTBE
Matrix: Soil
Units: ug/kg
Lab ID: 30327
Sample No: UD-1
Date Sampled: 01/21/99
Date Extracted: 01/22/99
Date Analyzed: 01/22/99

Detection
Limit

Benzene	61	5
Ethylbenzene	186	5
Toluene	784	5
Xylenes (Total)	1660	10
MTBE	16100	20
TPH as Gasoline	12	1.0 (mg/Kg)

Quality Control Report

Lab ID: 30327

Surrogate %REC.
Bromofluorobenzene

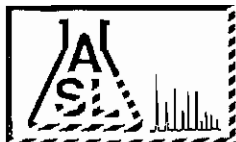
119

	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Benzene	115	106	8.1
Toluene	114	103	10.1

Comment to Sample(s)

30327: MTBE not included in TPH calculation.

ND - Not Detected at The Detection Limit



AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4478
Project ID: 030603625.001.001
Project Name: LBC Tank Removal

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Report To: (MCLH)
McLaren Hart
16755 Von Karman Ave.
Suite 200
Irvine, CA 92606-4918

Site: 1601 San Francisco Ave.

Attn: J.R.Morabito

Phone: 949/756-2667

Method: [8015MOD/8020]
TPH as Gasoline/BETX & MTBE
Matrix: Soil
Units: ug/kg
Lab ID: 30328
Sample No: DP-1
Date Sampled: 01/21/99
Date Extracted: 01/21/99
Date Analyzed: 01/21/99

Detection
Limit

Benzene	ND	5
Ethylbenzene	ND	5
Toluene	ND	5
Xylenes (Total)	ND	10
MTBE	ND	20
TPH as Gasoline	ND	1.0 (mg/Kg)

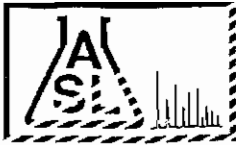
Quality Control Report

Lab ID: 30328

Surrogate %REC.
Bromofluorobenzene 114

	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Benzene	105	104	< 1
Toluene	101	100	1

ND - Not Detected at The Detection Limit



AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4478
Project ID: 030603625.001.001
Project Name: LBC Tank Removal

Page: 12

Report To: (MCLH)
McLaren Hart
16755 Von Karman Ave.
Suite 200
Irvine, CA 92606-4918

Site: 1601 San Francisco Ave.

Attn: J.R. Morabito

Phone: 949/756-2667

Method: [8015MOD/8020]
TPH as Gasoline/BETX & MTBE
Matrix: Soil
Units: ug/kg
Lab ID: 30329
Sample No: SP-1
Date Sampled: 01/21/99
Date Extracted: 01/21/99
Date Analyzed: 01/21/99

Detection
Limit

Benzene	ND	5
Ethylbenzene	9	5
Toluene	ND	5
Xylenes (Total)	38	10
MTBE	80	20
TPH as Gasoline	3.2	1.0 (mg/Kg)

Quality Control Report

Lab ID: 30329

Surrogate %REC.
Bromofluorobenzene 120

	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Benzene	105	104	< 1
Toluene	101	100	1

Comment to Sample(s)
30329: MTBE not included in TPH calculation.

ND - Not Detected at The Detection Limit



AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4478
Project ID: 030603625.001.001
Project Name: LBC Tank Removal

Page: 13

Report To: (MCLH)
McLaren Hart
16755 Von Karman Ave.
Suite 200
Irvine, CA 92606-4918

Site: 1601 San Francisco Ave.

Attn: J.R. Morabito

Phone: 949/756-2667

Method: [8015MOD/8020]
TPH as Gasoline/BETX & MTBE
Matrix: Soil
Units: ug/kg
Lab ID: 30330
Sample No: SP-2
Date Sampled: 01/21/99
Date Extracted: 01/21/99
Date Analyzed: 01/22/99

Detection
Limit

Benzene	ND	500
Ethylbenzene	311	500
Toluene	732	500
Xylenes (Total)	9300	1000
MTBE	3820	2000
TPH as Gasoline	300	100 (mg/Kg)

Quality Control Report

Lab ID: 30330

Surrogate %REC.
Bromofluorobenzene

120

	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Benzene	115	16	8.1
Toluene	114	103	10.1

Comment to Sample(s)

30330: MTBE not included in TPH calculation.

ND - Not Detected at The Detection Limit



AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

McLaren Hart
16755 Von Karman Ave.
Suite 200
Irvine, CA 92606-4918

Number of Pages: 3
Date Received : 01/27/99
Date Reported : 01/28/99

Attn : J.R. Morabito
Phone: 949/756-2667

ASL Job Number: 4508

Project Name : LBC Tank Removal
Project Number : 030603625.001.001

Site: 1601 San Francisco
Long Beach, CA

Enclosed are the results of analyses on 3 soil samples
analyzed as specified on attached chain of custody.

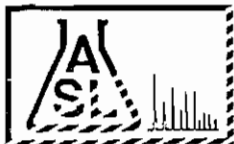
Checked By

Wen

Approved By

Robert G. Araghi

ROBERT G. ARAGHI
LABORATORY DIRECTOR



AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4508
Project ID: 030603625.001.001
Project Name: LBC Tank Removal

Page: 2

Report To: (MCLH)
McLaren Hart
16755 Von Karman Ave.
Suite 200
Irvine, CA 92606-4918

Site:
1601 San Francisco
Long Beach, CA

Attn: J.R. Morabito

Phone: 949/756-2667

Method:	(8015M/DHSLUFT)			
Matrix:	TPH as Diesel Range Organics			
Units:	Soil mg/kg			
Lab ID:	30498	30499	30500	
Sample No:	DT-W.1	DD-2	UD-2	
Date Sampled:	01/27/99	01/27/99	01/27/99	
Date Extracted:	01/28/99	01/28/99	01/28/99	Detection
Date Analyzed:	01/28/99	01/28/99	01/28/99	Limit

TPH DRO (C13-C22)

ND

ND

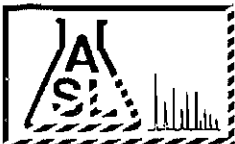
ND

10

Quality Control Report

Lab ID:	30498	30499	30500
Surrogate %REC. Chlorobenzene	91	82	105
	Spike %REC.	Spike DUP. %REC.	AVG. RPD
TPH as Diesel	95	95	< 1

ND - Not Detected at The Detection Limit



AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4508
Project ID: 030603625.001.001
Project Name: LBC Tank Removal

Page: 3

Report To: (MCLH)
McLaren Hart
16755 Von Karman Ave.
Suite 200
Irvine, CA 92606-4918

Site:
1601 San Francisco
Long Beach, CA

Attn: J.R. Morabito

Phone: 949/756-2667

Method:	[8015MOD/8020]			
Matrix:	TPH as Gasoline/BETX & MTBE			
Units:	Soil ug/kg			
Lab ID:	30498	30499	30500	
Sample No:	DT-W.1	DD-2	UD-2	
Date Sampled:	01/27/99	01/27/99	01/27/99	
Date Extracted:	01/28/99	01/28/99	01/28/99	Detection
Date Analyzed:	01/28/99	01/28/99	01/28/99	Limit

Benzene	ND	ND	ND	5
Ethylbenzene	ND	ND	ND	5
Toluene	ND	ND	ND	5
Xylenes (Total)	ND	ND	ND	10
MTBE	32	ND	ND	20
TPH as Gasoline	ND	ND	ND	1.0 (mg/Kg)

Quality Control Report

Lab ID:	30498	30499	30500
Surrogate %REC.			
Bromofluorobenzene	112	117	117
	Spike	Spike DUP.	AVG.
	%REC.	%REC.	RPD
Benzene	100	95	5.1
Toluene	99	94	5.2

ND - Not Detected at The Detection Limit

F



Appendix F

Soil Non-Hazardous Waste Manifests and Weighmaster Certificates

C023188 - G+32784

**NON-HAZARDOUS
WASTE MANIFEST**

1. Generator's US EPA ID No.

E. X. E. M. P. T.

Manifest
Document No. 1

2. Page 1

of 1

MANIFEST # 01

3. Generator's Name and Mailing Address

CITY OF LONG BEACH, FLEET SERVICES
1601 SAN FRANCISCO AVE., LONG BEACH, CA 90802

4. Generator's Phone (562) 570-5490

5. Transporter 1 Company Name

W. A. WOODS INDUSTRIES, INC.

6. US EPA ID Number

E. X. E. M. P. T.

A. Transporter's Phone

(562) 927-1367

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address

THERMAL REMEDIATION SOLUTION
1211 WEST GLADSTONE STREET
AZUSA, CA 91702

10. US EPA ID Number

C. A. D. O. O. 9. O. O. 7. 6. 2. 6

C. Facility's Phone

(626) 338-3939

11. Waste Shipping Name and Description

12. Containers

No.

Type

13. Total
Quantity14. Unit
Wt/Vol

a.

NON-HAZARDOUS, HYDROCARBON CONTAMINATED SOIL

0.0.2

D.T

0.0.0.1.8

Y

b.

c.

d.

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

01

15. Special Handling Instructions and Additional Information

APPROVAL # 9900037/SR0209

* RULE 1166, V.O.C. SOILS *

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name

TENA MARTIN

Signature

Tena Martin

for the city of Long Beach
multiple corp. 02 02 99

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

MARK Frye

Signature

Mark Frye

Month Day Year

02 02 99

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Raymond Bol

Signature

Raymond Bol

Month Day Year

02 02 99

ORIGINAL - RETURN TO GENERATOR

GENERATOR

TRANSPORTER

FAC

ITY

9A93414 - IVG3408

**NON-HAZARDOUS
WASTE MANIFEST**

1. Generator's US EPA ID No.

E. X. E. M. P. T.

Manifest
Document No.
0.0.0.0.2

2. Page 1
of 1

MANIFEST # 02

3. Generator's Name and Mailing Address

CITY OF LONG BEACH, FLEET SERVICES
1601 SAN FRANCISCO AVE., LONG BEACH, CA 90802

4. Generator's Phone (562) 570-5490

5. Transporter 1 Company Name

W. A. WOODS INDUSTRIES, INC. 7*

6. US EPA ID Number

E. X. E. M. P. T.

A. Transporter's Phone

(562) 927-1367

7. Transporter 2 Company Name

8. US EPA ID Number

.

B. Transporter's Phone

9. Designated Facility Name and Site Address

THERMAL REMEDIATION SOLUTION
1211 WEST GLADSTONE STREET
AZUSA, CA 91702

10. US EPA ID Number

C. A. D. 0.0.9.0.0.7.6.2.6

C. Facility's Phone

(626) 338-3939

11. Waste Shipping Name and Description

a.
NON-HAZARDOUS, HYDROCARBON CONTAMINATED SOIL

12. Containers
No. Type

0.0. D.T

13. Total
Quantity

0.0.0.1.8

14. Unit
Wt/Vol

Y

b.

c.

d.

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

01

15. Special Handling Instructions and Additional Information

APPROVAL # 9900037/SR0209

* RULE 1166, V.O.C. SOILS *

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name

Tom Machin

Signature

Tom Machin

for the city long beach
multiple corp.

Month Day Year

2 2 99

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Robert L. L.

Signature

Robert L. L.

Month Day Year

2 2 99

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

. . .

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Raymond Bol

Signature

Raymond Bol

Month Day Year

02 02 99

ORIGINAL - RETURN TO GENERATOR

GENERATOR

TRANSPORTER

FA

ITY

2015 M-L 5081796

**NON-HAZARDOUS
WASTE MANIFEST**

1. Generator's US EPA ID No.

E. X. E. M. P. T.

Manifest
Document No.
0.0.0.0.3

2. Page 1
of 1

MANIFEST # 03

3. Generator's Name and Mailing Address

CITY OF LONG BEACH, FLEET SERVICES
1601 SAN FRANCISCO AVE., LONG BEACH, CA 90802

4. Generator's Phone (562) 570-5490

5. Transporter 1 Company Name

W. A. WOODS INDUSTRIES, INC.

6. US EPA ID Number

E. X. E. M. P. T.

A. Transporter's Phone

(562) 927-1367

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address

THERMAL REMEDIATION SOLUTION
1211 WEST GLADSTONE STREET
AZUSA, CA 91702

10. US EPA ID Number

C. A. D. 0.0.9.0.0.7.6.2.6

C. Facility's Phone

(626) 338-3939

11. Waste Shipping Name and Description

a.

NON-HAZARDOUS, HYDROCARBON CONTAMINATED SOIL

12. Containers

No. Type

13. Total
Quantity

14. Unit
Wt/Vol

0.0. D.T 0.0.0.1.8 Y

b.

c.

d.

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

01

15. Special Handling Instructions and Additional Information

APPROVAL # 9900037/SR0209

* RULE 1166, V.O.C. SOILS *

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name

TOM MARTIN

Signature

Tom Martin

for the city of Long Beach Corp. Month Day Year 2 2 99

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Rodriguez

Signature

Rodriguez

Month Day Year 02 02 99

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year . . .

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

RAYMOND BOL

Signature

Raymond Bol

Month Day Year 02 02 99

ORIGINAL - RETURN TO GENERATOR

GENERATOR

TRANSPORTER

FA

ITY

3751129

**NON-HAZARDOUS
WASTE MANIFEST**

1. Generator's US EPA ID No.

E. X. E. M. P. T.

Manifest
Document No.
0.0.0.0.4

2. Page 1
of 1

MANIFEST # 04

3. Generator's Name and Mailing Address

CITY OF LONG BEACH, FLEET SERVICES
1601 SAN FRANCISCO AVE., LONG BEACH, CA 90802

4. Generator's Phone (562) 570-5490

5. Transporter 1 Company Name

W. A. WOODS INDUSTRIES, INC.

6. US EPA ID Number

E. X. E. M. P. T.

A. Transporter's Phone

(562) 927-1367

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address

THERMAL REMEDIATION SOLUTION
1211 WEST GLADSTONE STREET
AZUSA, CA 91702

10. US EPA ID Number

C. A. D. 0.0.9.0.0.7.6.2.6

C. Facility's Phone

(626) 338-3939

11. Waste Shipping Name and Description

12. Containers

No.

Type

13. Total
Quantity

14. Unit
Wt/Vol

a.

NON-HAZARDOUS, HYDROCARBON CONTAMINATED SOIL

0.0.

D.T

0.0.0.1.8

Y

b.

c.

d.

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

01

15. Special Handling Instructions and Additional Information

APPROVAL # 9900037/SR0209

* RULE 1166, V.O.C. SOILS *

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name

TOM MARTIN

Signature

TOM MARTIN for the city of Long Beach

Month Day Year

02 02 99

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

STERRY LEMASTER

Signature

[Signature]

Month Day Year

02 02 99

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

. . .

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

RAYMOND BOL

Signature

Raymond Bol

Month Day Year

02 02 99

ORIGINAL - RETURN TO GENERATOR

5N58238

GSI

NON-HAZARDOUS
WASTE MANIFEST

1. Generator's US EPA ID No.

E X E M P T

Manifest
Document No.
00005

2. Page 1

of

1

MANIFEST # 05

3. Generator's Name and Mailing Address

CITY OF LONG BEACH, FLEET SERVICES
1601 SAN FRANCISCO AVE., LONG BEACH, CA 90802

4. Generator's Phone (562) 570-5490

5. Transporter 1 Company Name

W. A. WOODS INDUSTRIES, INC.

6. US EPA ID Number

E X E M P T

A. Transporter's Phone

(562) 927-1367

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address

THERMAL REMEDIATION SOLUTION
1211 WEST GLADSTONE STREET
AZUSA, CA 91702

10. US EPA ID Number

C A D 0 0 9 0 0 7 6 2 6

C. Facility's Phone

(626) 338-3939

11. Waste Shipping Name and Description

a.

NON-HAZARDOUS, HYDROCARBON CONTAMINATED SOIL

12. Containers

No.

Type

13. Total
Quantity14. Unit
Wt/Vol

0 02

D T

0 0 0 1 8

Y

b.

c.

d.

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

01

15. Special Handling Instructions and Additional Information

APPROVAL # 9900037/SR0209

* RULE 1166, V.O.C. SOILS *

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name

Tom Martin

Signature

Tom Martin for the city of long beach corp.

Month Day Year
02 02 99

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year
02 02 99

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Raymond Bol

Signature

Raymond Bol

Month Day Year
02 02 99

ORIGINAL - RETURN TO GENERATOR

7-7A

**NON-HAZARDOUS
WASTE MANIFEST**

1. Generator's US EPA ID No.

E X E M P T

Manifest
Document No.
0 0 0 0 . 62. Page 1
of 1

MANIFEST #06

3. Generator's Name and Mailing Address

CITY OF LONG BEACH, FLEET SERVICES
1601 SAN FRANCISCO AVE., LONG BEACH, CA 90802

4. Generator's Phone (562) 570-5490

5. Transporter 1 Company Name

W. A. WOODS INDUSTRIES, INC.

6. US EPA ID Number

E X E M P T

A. Transporter's Phone

(562) 927-1367

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address

THERMAL REMEDIATION SOLUTION
1211 WEST GLADSTONE STREET
AZUSA, CA 91702

10. US EPA ID Number

C A D 0 0 9 0 0 7 6 2 6

C. Facility's Phone

(626) 338-3939

11. Waste Shipping Name and Description

12. Containers

No. Type

13.
Total
Quantity14.
Unit
Wt/Vol

a.

NON-HAZARDOUS, HYDROCARBON CONTAMINATED SOIL

0 0 2 D T 0 0 0 1 . 8 Y

b.

c.

d.

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

01

15. Special Handling Instructions and Additional Information

APPROVAL # 9900037/SR0209

* RULE 1166, V.O.C. SOILS *

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name

TOM MARTIN

Signature

TOM MARTIN for the city of long beach

Month Day Year
2 2 99

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

MO PAPERNA

Signature

MO PAPERNA

Month Day Year
2 2 99

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year
- - -

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

RAYMOND BOI

Signature

Raymond Boi

Month Day Year
2 2 99

ORIGINAL - RETURN TO GENERATOR

GENERATOR

TRANSPORTER

FA

ITY

TFT

GP23188 - G+32784

**NON-HAZARDOUS
WASTE MANIFEST**1. Generator's US EPA ID No.
E.X.E.M.P.T.Manifest
Document No.
0.0.0.0.72. Page 1
of 1

MANIFEST #07

3. Generator's Name and Mailing Address
CITY OF LONG BEACH, FLEET SERVICES
1601 SAN FRANCISCO AVE., LONG BEACH, CA 90802

4. Generator's Phone (562) 570-5490

5. Transporter 1 Company Name
W. A. WOODS INDUSTRIES, INC.

6. US EPA ID Number
E.X.E.M.P.T.

A. Transporter's Phone
(562) 927-1367

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address
THERMAL REMEDIATION SOLUTION
1211 WEST GLADSTONE STREET
AZUSA, CA 91702

10. US EPA ID Number

C. Facility's Phone

C.A.D.0.0.9.0.0.7.6.2.6

(626) 338-3939

11. Waste Shipping Name and Description

12. Containers
No. Type

13. Total
Quantity

14. Unit
Wt/Vol

a.
NON-HAZARDOUS, HYDROCARBON CONTAMINATED SOIL

0.0.2 D.T 0.0.0.1.8 Y

b.

c.

d.

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

01

15. Special Handling Instructions and Additional Information

APPROVAL # 9900037/SR0209

* RULE 1166, V.O.C. SOILS *

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name

Signature

Month Day Year

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Signature

Month Day Year

ORIGINAL - RETURN TO GENERATOR

GENERATOR

TRANSPORTER

FA

ITY

TAT
m/m 6 5281796-10m6270

1

**NON-HAZARDOUS
WASTE MANIFEST**

1. Generator's US EPA ID No.
E. X. E. M. P. T.

Manifest
Document No.
0. 0. 0. 0. 8

2. Page 1
of 1

MANIFEST # 08

3. Generator's Name and Mailing Address

CITY OF LONG BEACH, FLEET SERVICES
1601 SAN FRANCISCO AVE., LONG BEACH, CA 90802

4. Generator's Phone (562) 570-5490

5. Transporter 1 Company Name

W. A. WOODS INDUSTRIES, INC.

6. US EPA ID Number

E. X. E. M. P. T.

A. Transporter's Phone

(562) 927-1367

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address

THERMAL REMEDIATION SOLUTION
1211 WEST GLADSTONE STREET
AZUSA, CA 91702

10. US EPA ID Number

C. A. D. O. O. 9. 0. 0. 7. 6. 2. 6

C. Facility's Phone

(626) 338-3939

11. Waste Shipping Name and Description

12. Containers
No. Type

13. Total
Quantity

14. Unit
Wt/Vol

a.
NON-HAZARDOUS, HYDROCARBON CONTAMINATED SOIL

0. 0. 2 D. T 0. 0. 0. 1. 8 Y

b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

01

15. Special Handling Instructions and Additional Information

APPROVAL # 9900037/SR0209

* RULE 1166, V.O.C. SOILS *

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name

Tony M...

Signature

Tony M... in the city of Long Beach

Month Day Year
2 2 99

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Andy Patino

Signature

Andy Patino

Month Day Year
02 20 99

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

RAYMOND

Signature

Raymond Bol

Month Day Year
06 28 99

ORIGINAL - RETURN TO GENERATOR

GENERATOR

TRANSPORTER

FACTORY

9A93414 - 1UG3408

**NON-HAZARDOUS
WASTE MANIFEST**

1. Generator's US EPA ID No.

E.X.E.M.P.T.

Manifest
Document No. 0.0.0.0.9

2. Page 1

of 1

MANIFEST # 09

3. Generator's Name and Mailing Address

CITY OF LONG BEACH, FLEET SERVICES
1601 SAN FRANCISCO AVE., LONG BEACH, CA 90802

4. Generator's Phone (562) 570-5490

5. Transporter 1 Company Name

W. A. WOODS INDUSTRIES, INC.

6. US EPA ID Number

E.X.E.M.P.T.

A. Transporter's Phone

(562) 927-1367

7. Transporter 2 Company Name

8. US EPA ID Number

.

B. Transporter's Phone

9. Designated Facility Name and Site Address

THERMAL REMEDIATION SOLUTION
1211 WEST GLADSTONE STREET
AZUSA, CA 91702

10. US EPA ID Number

C.A.D.O.O.9.O.O.7.6.2.6

C. Facility's Phone

(626) 338-3939

11. Waste Shipping Name and Description

a.
NON-HAZARDOUS, HYDROCARBON CONTAMINATED SOIL

12. Containers

No. Type

0.0. D.T

13. Total
Quantity

0.0.0.1.8

14. Unit
Wt/Vol

Y

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

01

15. Special Handling Instructions and Additional Information

APPROVAL # 9900037/SR0209

* RULE 1166, V.O.C. SOILS *

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name

Tom Martin

Signature

Tom Martin

Month Day Year

1 2 99

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Catala

Signature

Catala

Month Day Year

2 2 99

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

. . .

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Raymond Bol

Signature

Raymond Bol

Month Day Year

2 2 99

ORIGINAL - RETURN TO GENERATOR

GENERATOR

TRANSPORTER

FACILITY

5184238 651
1VY1828

**NON-HAZARDOUS
WASTE MANIFEST**

1. Generator's US EPA ID No.

E.X.E.M.P.T.

Manifest
Document No.
0.0.0.1.0

2. Page 1

of 1

MANIFEST # 10

3. Generator's Name and Mailing Address

CITY OF LONG BEACH, FLEET SERVICES
1601 SAN FRANCISCO AVE., LONG BEACH, CA 90802

4. Generator's Phone (562) 570-5490

5. Transporter 1 Company Name

W. A. WOODS INDUSTRIES, INC.

6. US EPA ID Number

E.X.E.M.P.T.

A. Transporter's Phone

(562) 927-1367

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address

THERMAL REMEDIATION SOLUTION
1211 WEST GLADSTONE STREET
AZUSA, CA 91702

10. US EPA ID Number

C.A.D.0.0.9.0.0.7.6.2.6

C. Facility's Phone

(626) 338-3939

11. Waste Shipping Name and Description

a.

NON-HAZARDOUS, HYDROCARBON CONTAMINATED SOIL

12. Containers

No.

Type

13. Total
Quantity

14. Unit
Wt/Vol

0.0 2 D.T 0.0.0.1.8 Y

b.

c.

d.

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

01

15. Special Handling Instructions and Additional Information

APPROVAL # 9900037/SRO209

* RULE 1166, V.O.C. SOILS *

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name

Signature

TOM MARIN

TOM MARIN

In the City of Long Beach
Corp. 2 2 99

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Signature

RAYMOND BOL

RAYMOND BOL

Month Day Year

02 02 99

ORIGINAL - RETURN TO GENERATOR

3751129

**NON-HAZARDOUS
WASTE MANIFEST**

1. Generator's US EPA ID No.

E.X.E.M.P.T.

Manifest
Document No.

0.0.0.1.1

2. Page 1
of 1

MANIFEST #11

3. Generator's Name and Mailing Address

CITY OF LONG BEACH, FLEET SERVICES
1601 SAN FRANCISCO AVE., LONG BEACH, CA 90802

4. Generator's Phone (562) 570-5490

5. Transporter 1 Company Name

W. A. WOODS INDUSTRIES, INC.

6. US EPA ID Number

E.X.E.M.P.T.

A. Transporter's Phone

(562) 927-1367

7. Transporter 2 Company Name

8. US EPA ID Number

.

B. Transporter's Phone

9. Designated Facility Name and Site Address

THERMAL REMEDIATION SOLUTION
1211 WEST GLADSTONE STREET
AZUSA, CA 91702

10. US EPA ID Number

C.A.D.O.O.9.O.O.7.6.2.6

C. Facility's Phone

(626) 338-3939

11. Waste Shipping Name and Description

a.

NON-HAZARDOUS, HYDROCARBON CONTAMINATED SOIL

12. Containers
No. Type

0.0. D-T

13.
Total
Quantity

0.0.0.1.8

14.
Unit
Wt/Vol

Y

b.

c.

d.

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

01

15. Special Handling Instructions and Additional Information

APPROVAL # 9900037/SR0209

* RULE 1166, V.O.C. SOILS *

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name

TOM MARTIN

Signature

TOM MARTIN for the city of Long Beach

Month Day Year

2 2 99

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

TERRY LEMASTER

Signature

Terry Lemaster

Month Day Year

2 2 99

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

.

Month Day Year

. . .

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

RAYMOND BOL

Signature

Raymond Bol

Month Day Year

12 02 99

ORIGINAL - RETURN TO GENERATOR

GENERATOR

TRANSPORTER

FAC

TY

7-7A

**NON-HAZARDOUS
WASTE MANIFEST**

1. Generator's US EPA ID No.

E. X. E. M. P. T.

Manifest
Document No.
0.0.0.1.2

2. Page 1
of 1

MANIFEST # 12

3. Generator's Name and Mailing Address

CITY OF LONG BEACH, FLEET SERVICES
1601 SAN FRANCISCO AVE., LONG BEACH, CA 90802

4. Generator's Phone (562) 570-5490

5. Transporter 1 Company Name

W. A. WOODS INDUSTRIES, INC.

6. US EPA ID Number

E. X. E. M. P. T.

A. Transporter's Phone

(562) 927-1367

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address

THERMAL REMEDIATION SOLUTION
1211 WEST GLADSTONE STREET
AZUSA, CA 91702

10. US EPA ID Number

C. A. D. O. O. 9.0.0.7.6.2.6

C. Facility's Phone

(626) 338-3939

11. Waste Shipping Name and Description

12. Containers

No.

Type

13.
Total
Quantity

14.
Unit
Wt/Vol

a.

NON-HAZARDOUS, HYDROCARBON CONTAMINATED SOIL

0.0. D.T. 0.0.0.1.8 Y

b.

c.

d.

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

01

15. Special Handling Instructions and Additional Information

APPROVAL # 9900037/SR0209

* RULE 1166, V.O.C. SOILS *

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name

Tom Minter

Signature

Tom Minter for the City of Long Beach

Day Year

2 2 99

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

MO PAPEVA

Signature

MO Papeva

Month Day Year

2 2 99

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Raymond Sol

Signature

Raymond Sol

Month Day Year

10 02 99

ORIGINAL - RETURN TO GENERATOR

GENERATOR

TRANSPORTER

FA

ITY

= 9B33212 #85

**NON-HAZARDOUS
WASTE MANIFEST**

1. Generator's US EPA ID No.

E.X.E.M.P.T.

Manifest
Document No.

0.0.0.1.3

2. Page 1

of 1

MANIFEST # 13

3. Generator's Name and Mailing Address

CITY OF LONG BEACH, FLEET SERVICES
1601 SAN FRANCISCO AVE., LONG BEACH, CA 90802

4. Generator's Phone (562) 570-5490

5. Transporter 1 Company Name

W. A. WOODS INDUSTRIES, INC.

6. US EPA ID Number

E.X.E.M.P.T.

A. Transporter's Phone

(562) 927-1367

7. Transporter 2 Company Name

8. US EPA ID Number

.

B. Transporter's Phone

9. Designated Facility Name and Site Address

THERMAL REMEDIATION SOLUTION
1211 WEST GLADSTONE STREET
AZUSA, CA 91702

10. US EPA ID Number

C.A.D.O.O.9.0.0.7.6.2.6

C. Facility's Phone

(626) 338-3939

11. Waste Shipping Name and Description

12. Containers

No.

Type

13. Total
Quantity14. Unit
Wt/Vol

a.

NON-HAZARDOUS, HYDROCARBON CONTAMINATED SOIL

0.0.1 D.T 0.0.0.1.8 Y

b.

c.

d.

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

01

15. Special Handling Instructions and Additional Information

APPROVAL # 9900037/SR0209

* RULE 1166, V.O.C. SOILS *

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name

TOM MARTIN

Signature

TOM MARTIN

Month Day Year

2 2 99

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

CHARL MONTIEL M.

Signature

CHARL MONTIEL M.

Month Day Year

2 2 99

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

. . .

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Raymond Bol

Signature

Raymond Bol

Month Day Year

02 02 99

ORIGINAL - RETURN TO GENERATOR

GENERATOR

TRANSPORTER

FACILITY

TYPED

G



Appendix G

Report of Compaction Testing



SMITH-EMERY COMPANY

The Full Service Independent Testing Laboratory, Established 1904

22795 Savi Ranch Pkwy., Suite B
Yorba Linda, California 92687
(714) 921-8938
Fax (714) 921-4264

Los Angeles, California 90021
San Francisco, California 94188
Anaheim, California 92807

• (213) 749-3411 • Fax: (213) 746-7228
• (415) 330-3000 • Fax: (415) 330-3030
• (714) 693-1026 • Fax: (714) 693-1034

February 26, 1999

SEG File No.: 92640

SEG Report No.: 99-0086

Foss Environmental
Pier D, Berth D47
Long Beach, California 90802

Attn: John White

RE: City Yard
Long Beach, California

SUBJECT: COMPACTION TESTING

REPORT OF TESTS

In compliance with your request, Smith-Emery GeoServices has conducted standard compaction testing for the above referenced project.

Field density tests to determine relative compaction were conducted in accordance with ASTM D2922-91, nuclear method.

Test locations and results are presented on the attached Table 1. Laboratory compaction characteristics of soil tests were performed on representative samples in accordance with ASTM D1557-91, five layer method. Test results are presented on the attached Table 2.

Respectfully submitted,

SMITH-EMERY GEOSERVICES

Robert Greeley
ROBERT H. GREELEY
Supervisor, GeoServices

RG/jb

Attachments

cc: 2 - Addressee

NOTE:

This report contains a weekly summary of compaction test results only and it should not be submitted to City or County grading departments as a certified compacted earth fill report.



February 26, 1999

SEG File No.: 92640

SEG Report No.: 99-0086

Project: City Yard
Long Beach, California

ELEVATION KEY					METHOD KEY			
SG-Subgrade			FSG-Finish Subgrade		SC-Sandcone			
FG-Finish Grade			FAB-Finish Aggregate Base		NG-Nuclear Gauge			
AB-Aggregate Base			BTM-Bottom		DT-Drive Tube			
RESULTS OF DENSITY TESTS								
Test No.:	Test Date	Elev. Type	Moisture Depth	Dry Content	Relative Compaction Density	Soil Field	Specified	Type
		(ft.)	(%)		(p.c.f.)	(%)	(%)	
11	2-3	NG	-5.0	11.2	117.5	91	90	II
LOCATION:		SOUTH OF CENTER						
12	2-3	NG	-3	10.1	115.8	90	90	II
LOCATION:		SOUTH OF CENTER						
13	2-3	NG	SG	10.1	128.26	94	90	II
LOCATION:		SOUTH OF CENTER						

SMITH-EMERY GEOSERVICES - ANAHEIM
TABLE 1

H



Appendix H

No Further Action Letter



**JOINT POWERS AGENCY
LONG BEACH/SIGNAL HILL**



Unified Program Agency

2525 Grand Avenue • Long Beach, California 90815 • (562) 570-4131

March 25, 1999

Mr. David McCarthy
Public Service Yard
1725 San Francisco Avenue
Long Beach, California 90813

Re: 1725 San Francisco Avenue, Long Beach

Dear Mr. McCarthy:

This letter confirms the completion of the removal of two (2) 10,000 gallon, one (1) 1,000 gallon and one (1) 500 gallon underground storage tank(s) formerly located at the above described location.

Based on the information in the above referenced file and with the provision that the information provided to this agency was accurate and representative of site conditions, no further action related to the underground storage tank removal is required.

This notice is issued pursuant to a regulation contained in Section 2721(e) of Title 23 of the California Code of Regulations.

Please contact me at 562/570-4128 if you have any questions regarding this matter.

Sincerely,

Jeff Benedict, R.E.H.S., M.P.A.
Hazardous Waste Operations Officer

cc: Long Beach Fire Prevention Bureau
McLaren Hart, Inc.

sat let

IRON MOUNTAIN DOCUMENT INSERT

CUST ID: EW96db

PLACE DOCUMENT IN FILE:
1705 San Francisco

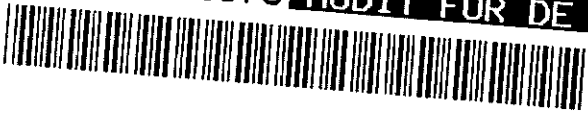
FILE LOCATED IN CARTON NBR:
224778978

COLUMN ARCHIVES BUILDING WAREHOUSE
LA F1 01 **FN196**
FN196

LOCATION ID: **C-31-0001-2-03-02**

CUST BOX NBR: 224778978 BOX TYPE: 1.2 DATE: 06/02/03

SKP BOX NBR: 224778978 **AUDIT FOR DE - FI**

L 

UNDERGROUND TANK PROGRAM TRACKING SYSTEM

Situs Address: 1725 San Francisco Ave
DBA: Public Service Yard / Fleet Services (2801 E Willow Street)
Owner/Responsible Party: City of Long Beach
Owner/Responsible Address: 1725 San Francisco Ave Long Beach 90813
Characterization Required ☐ Yes ☒ No

TANK INFORMATION

No.	Size(gal)	Contents	Date Lab Results
<u>1</u>	<u>10,000 gal</u>	<u>unleaded gasoline</u>	<u>02-03-99</u>
<u>1</u>	<u>10,000 gal</u>	<u>Diesel</u>	<u>↓</u>
<u>1</u>	<u>1,000 gal</u>	<u>empty, never used</u>	<u>↓</u>

Site Characterization Letter Sent	Date: _____
Site Characterization Permit Appl. Received	Date: _____
Site Characterization Permit Issued	Date: _____
Site Characterization Billing	Date: _____
Site Remediation Letter Sent	Date: _____
Site Remediation Permit Appl. Received	Date: _____
Site Remediation Permit Issued	Date: _____
Site Remediation Billing	Date: _____
Referred to Water Quality Management Board	Date: _____
File Closed/No Further Action Required	Date: <u>03-25-99</u>
Referred to City Prosecutor	Date: _____
S.C.A.Q.M.D. Permit/Variance Issued	Date: _____

Note: _____



UNDERGROUND STORAGE TANK REMOVAL INSPECTION REPORT

925 Harbor Plaza, Suite 100
Phone (310) 570-2560

Long Beach, California 90802
Fax (310) 570-2566

NAME

ADDRESS

PHONE#

City of L.B. Pub Svc Yd 1725 San Francisco Ave. 90813

DATE 1/21/99

Owner City of L.B. Fleet Svcs 2801 E. Willow St. 90806 570-5410

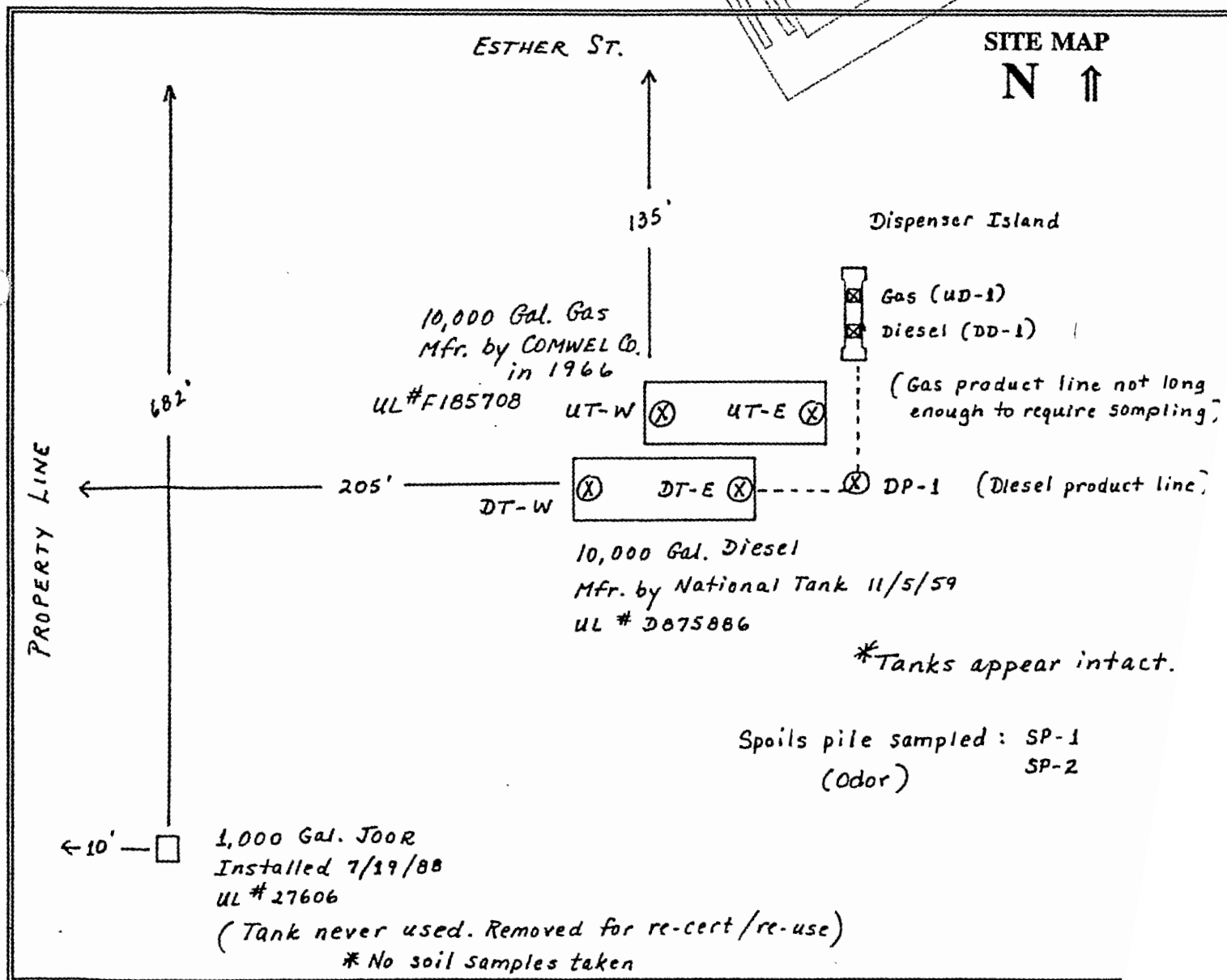
Contractor Foss Env. Pier D, Berth 247 L.B. 90802 590-6706

PROJECT# 268704

Geologist John Haney (McLaren-Hart) 16755 Von Karman Ave. Irvine 92606 (949) 756-2667

Lab ASL 3225 San Fernando Rd. Los Angeles 90065 (213) 254-7200

INSPECTOR W. Swenson



Remove 3 tank(s) per current Long Beach Fire Department and Long Beach Health Department guidelines. Soil sample analysis shall be submitted to both agencies within 14 days.

I have read and understand the above.

John Haney

JOHN HANEY (949) 752-3285
Print name & phone #

McLAREN/H.
ASSOCIATE
Company and

* ATTN = JASP - Tom Hays *

FIRE PREVENTION PLAN CHECK WORK SHEET

PROJECT # 268704 (T)
(Dept. Use Only)

DATE: 1/6/99

TYPE OF PLANS: (Put an X in front of ONE)

☐ Building/New Construction

☐ Sprinkler/New Construction

☐ Dry/Wet Chemical

☐ Fire Alarm

☐ Above Ground Tanks
(No. of Tanks)

☐ Other

☐ Building/Tenant Improvement

☐ Sprinkler/Tenant Improvement

(No. Sprinkler Heads)

☐ Fire Hydrant(s)

☒ Underground Tanks
(3 No. of Tanks)

☐ Spray Booth

REMOVAL

PLEASE PRINT - MUST BE FILLED OUT COMPLETELY

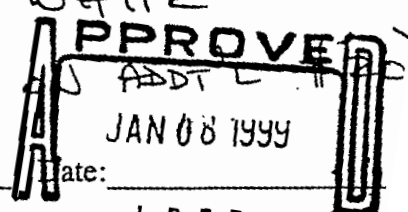
PROJECT NAME: <u>CITY OF LONG BEACH - PUBLIC SERVICE MAINTENANCE YARD</u>		
PROJECT ADDRESS: <u>1725 San Francisco Ave. Long Beach, CA 90802</u>		
DESCRIPTION OF WORK: <u>TANK REMOVAL</u>		
APPLICANT/CONTRACTOR: <u>FUSS ENVIRONMENTAL</u>	PHONE: <u>(562) 590-6706</u>	FAX#: <u>(562)</u>
ADDRESS/CITY/ST/ZIP: <u>Pier D, Berth 047, LB 90802</u>		
STATE LIC.#: <u>716581</u>	CLASS: <u>A</u> ^{W/HAR}	EXPIRATION DATE: <u>12/31/1999</u>
CITY BUS. LIC. #: <u>Bu 930309 90</u>	EXPIRATION DATE: <u>7/1/1999</u>	
CURRENT BUILDING USE:	PROPOSED BUILDING USE:	
OCCUPANCY CLASSIFICATION: (per UBC) <u>STA</u> SQ. FT. TYPE OF CONSTRUCTION		
BUILDING SPRINKLERED: YES <u> </u> NO <u> </u>		

(Fire Prevention Office Use Only)

Plans Submitted By: TONY MUDHAR / JOHN WHITE

Plan Review Fees: \$400.00 (PLS ADVISE)

Plan Review Checked By: [Signature]



L. B. F. D.
BUREAU OF FIRE PREVENTION

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD
UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM A



COMPLETE THIS FORM FOR EACH FACILITY/SITE

MARK ONLY
ONE ITEM

- ☐ 1 NEW PERMIT ☐ 3 RENEWAL PERMIT ☒ 5 CHANGE OF INFORMATION ☐ 7 PERMANENTLY CLOSED SITE
☐ 2 INTERIM PERMIT ☐ 4 AMENDED PERMIT ☐ 6 TEMPORARY SITE CLOSURE

I. FACILITY/SITE INFORMATION & ADDRESS - (MUST BE COMPLETED)

NAME OR FACILITY NAME CITY OF LONG BEACH PUBLIC SERVICE MAINTENANCE YARD		NAME OF OPERATOR CITY OF LONG BEACH FLEET SERVICES	
ADDRESS 1601 SAN FRANCISCO AVE.		NEAREST CROSS STREET 15th Street	PARCEL # (OPTIONAL)
CITY NAME LONG BEACH	STATE CA	ZIP CODE 90802	SITE PHONE # WITH AREA CODE
☒ BOX TO INDICATE ☐ CORPORATION ☐ INDIVIDUAL ☐ PARTNERSHIP ☒ LOCAL AGENCY DISTRICTS* ☐ COUNTY AGENCY* ☐ STATE AGENCY* ☐ FEDERAL AGENCY*			
* If owner of UST is a public agency, complete the following: name of Supervisor of division, section, or office which operates the UST DAVID MCCARTY - C&B Fleet Services			
TYPE OF BUSINESS ☐ 1 GAS STATION ☐ 2 DISTRIBUTOR ☐ 3 FARM ☐ 4 PROCESSOR ☒ 5 OTHER		☐ IF INDIAN RESERVATION OR TRUST LANDS	# OF TANKS AT SITE 35 E.P.A. I.O. # (optional) CAD981450687

EMERGENCY CONTACT PERSON (PRIMARY)

EMERGENCY CONTACT PERSON (SECONDARY) - optional

DAYS: NAME (LAST, FIRST) MCCARTY, DAVID	PHONE # WITH AREA CODE 562-570-5410	DAYS: NAME (LAST, FIRST)	PHONE # WITH AREA CODE
NIGHTS: NAME (LAST, FIRST) MCCARTY, DAVID	PHONE # WITH AREA CODE 562-570-5410	NIGHTS: NAME (LAST, FIRST)	PHONE # WITH AREA CODE

II. PROPERTY OWNER INFORMATION - (MUST BE COMPLETED)

NAME CITY OF LONG BEACH		CARE OF ADDRESS INFORMATION	
MAILING OR STREET ADDRESS 333 W. OCEAN BLVD., PLAZA LEVEL		☒ box to indicate ☐ INDIVIDUAL ☒ LOCAL AGENCY ☐ STATE AGENCY ☐ CORPORATION ☐ PARTNERSHIP ☐ COUNTY AGENCY ☐ FEDERAL AGENCY	
CITY NAME LONG BEACH	STATE CA	ZIP CODE 90802	PHONE # WITH AREA CODE 562-570-5410

III. TANK OWNER INFORMATION - (MUST BE COMPLETED)

NAME OF OWNER CITY OF LONG BEACH		CARE OF ADDRESS INFORMATION	
MAILING OR STREET ADDRESS 333 W. OCEAN BLVD., PLAZA LEVEL		☒ box to indicate ☐ INDIVIDUAL ☒ LOCAL AGENCY ☐ STATE AGENCY ☐ CORPORATION ☐ PARTNERSHIP ☐ COUNTY AGENCY ☐ FEDERAL AGENCY	
CITY NAME LONG BEACH	STATE CA	ZIP CODE 90802	PHONE # WITH AREA CODE 562-570-5410

IV. BOARD OF EQUALIZATION UST STORAGE FEE ACCOUNT NUMBER - Call (916) 322-9669 if questions arise.

TY (TK) HQ 44- [] [] [] [] [] []

V. PETROLEUM UST FINANCIAL RESPONSIBILITY - (MUST BE COMPLETED) - IDENTIFY THE METHOD(S) USED

☒ box to indicate	☒ 1 SELF-INSURED ☐ 2 GUARANTEE ☐ 3 INSURANCE ☐ 4 SURETY BOND
	☐ 5 LETTER OF CREDIT ☐ 6 EXEMPTION ☐ 99 OTHER

VI. LEGAL NOTIFICATION AND BILLING ADDRESS Legal notification and billing will be sent to the tank owner unless box I or II is checked.

CHECK ONE BOX INDICATING WHICH ABOVE ADDRESS SHOULD BE USED FOR LEGAL NOTIFICATIONS AND BILLING:	I ☐ II ☒ III ☐
--	--

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

OWNER'S NAME (PRINTED & SIGNED) John R. White	OWNER'S TITLE Project Manager	DATE 1/5/99
--	----------------------------------	----------------

LOCAL AGENCY USE ONLY

COUNTY # [] []	JURISDICTION # [] [] []	FACILITY # [] [] [] [] [] []
LOCATION CODE - OPTIONAL	CENSUS TRACT # - OPTIONAL	SUPVISOR - DISTRICT CODE - OPTIONAL

THIS FORM MUST BE ACCOMPANIED BY AT LEAST (1) OR MORE PERMIT APPLICATION - FORM B, UNLESS THIS IS A CHANGE OF SITE INFORMATION ONLY.

OWNER MUST FILE THIS FORM WITH THE LOCAL AGENCY IMPLEMENTING THE UNDERGROUND STORAGE TANK REGULATIONS

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD
UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM B



COMPLETE A SEPARATE FORM FOR EACH TANK SYSTEM.

TANK ONLY ONE ITEM	☐ 1 NEW PERMIT	☐ 3 RENEWAL PERMIT	☐ 5 CHANGE OF INFORMATION	☐ 7 PERMANENTLY CLOSED ON SITE
	☐ 2 INTERIM PERMIT	☐ 4 AMENDED PERMIT	☐ 6 TEMPORARY TANK CLOSURE	☒ 8 TANK REMOVED
DBA OR FACILITY NAME WHERE TANK IS INSTALLED: CITY OF LONG BEACH - PUBLIC SERVICE MAINTENANCE YARD				

I. TANK DESCRIPTION COMPLETE ALL ITEMS - SPECIFY IF UNKNOWN

A. OWNER'S TANK I.D.# TANK #1 UL#F185708	B. MANUFACTURED BY: COMWEL CO.
C. DATE INSTALLED (MO/DAY/YEAR) 1966	D. TANK CAPACITY IN GALLONS: 10,000

II. TANK CONTENTS IF A-1 IS MARKED, COMPLETE ITEM C.

A. ☒ 1 MOTOR VEHICLE FUEL ☐ 4 OIL ☐ 2 PETROLEUM ☐ 80 EMPTY ☐ 3 CHEMICAL PRODUCT ☐ 95 UNKNOWN	B. ☒ 1 PRODUCT ☐ 2 WASTE	C. ☒ 1a REGULAR UNLEADED ☐ 3 DIESEL ☐ 6 AVIATION GAS ☐ 1b PREMIUM UNLEADED ☐ 4 GASOLINE ☐ 7 METHANOL ☐ 2 LEADED ☐ 5 JET FUEL ☐ 99 OTHER (DESCRIBE IN ITEM D. BELOW)
D. IF (A.1) IS NOT MARKED, ENTER NAME OF SUBSTANCE STORED		C. A. S. #:

III. TANK CONSTRUCTION MARK ONE ITEM ONLY IN BOXES A, B, AND C, AND ALL THAT APPLIES IN BOX D AND E

A. TYPE OF SYSTEM ☐ 1 DOUBLE WALL ☐ 3 SINGLE WALL WITH EXTERIOR LINER ☐ 95 UNKNOWN ☒ 2 SINGLE WALL ☐ 4 SECONDARY CONTAINMENT (VAULTED TANK) ☐ 99 OTHER	B. TANK MATERIAL (Primary Tank) ☒ 1 BARE STEEL ☐ 2 STAINLESS STEEL ☐ 3 FIBERGLASS ☐ 4 STEEL CLAD W/ FIBERGLASS REINFORCED PLASTIC ☐ 5 CONCRETE ☐ 6 POLYVINYL CHLORIDE ☐ 7 ALUMINUM ☐ 8 100% METHANOL COMPATIBLE WFRP ☐ 9 BRONZE ☐ 10 GALVANIZED STEEL ☐ 95 UNKNOWN ☐ 99 OTHER
C. INTERIOR LINING ☐ 1 RUBBER LINED ☐ 2 ALKYD LINING ☐ 3 EPOXY LINING ☐ 4 PHENOLIC LINING ☐ 5 GLASS LINING ☐ 6 UNLINED ☐ 95 UNKNOWN ☐ 99 OTHER IS LINING MATERIAL COMPATIBLE WITH 100% METHANOL? YES ___ NO ___	
D. CORROSION PROTECTION ☐ 1 POLYETHYLENE WRAP ☐ 2 COATING ☐ 3 VINYL WRAP ☐ 4 FIBERGLASS REINFORCED PLASTIC ☐ 5 CATHODIC PROTECTION ☐ 91 NONE ☐ 95 UNKNOWN ☐ 99 OTHER	
E. SPILL AND OVERFILL SPILL CONTAINMENT INSTALLED (YEAR) OVERFILL PREVENTION EQUIPMENT INSTALLED (YEAR)	

IV. PIPING INFORMATION CIRCLE A IF ABOVE GROUND OR U IF UNDERGROUND, BOTH IF APPLICABLE

A. SYSTEM TYPE	A U 1 SUCTION	A U 2 PRESSURE	A U 3 GRAVITY	A U 99 OTHER
B. CONSTRUCTION	A U 1 SINGLE WALL	A U 2 DOUBLE WALL	A U 3 LINED TRENCH	A U 95 UNKNOWN A U 99 OTHER
C. MATERIAL AND CORROSION PROTECTION	A U 1 BARE STEEL	A U 2 STAINLESS STEEL	A U 3 POLYVINYL CHLORIDE (PVC)	A U 4 FIBERGLASS PIPE
	A U 5 ALUMINUM	A U 6 CONCRETE	A U 7 STEEL W/ COATING	A U 8 100% METHANOL COMPATIBLE WFRP
	A U 9 GALVANIZED STEEL	A U 10 CATHODIC PROTECTION	A U 95 UNKNOWN	A U 99 OTHER
D. LEAK DETECTION	☐ 1 AUTOMATIC LINE LEAK DETECTOR	☐ 2 LINE TIGHTNESS TESTING	☐ 3 INTERSTITIAL MONITORING	☐ 99 OTHER

V. TANK LEAK DETECTION

☐ 1 VISUAL CHECK	☐ 2 INVENTORY RECONCILIATION	☐ 3 VADOZE MONITORING	☐ 4 AUTOMATIC TANK GAUGING	☐ 5 GROUND WATER MONITORING
☐ 6 TANK TESTING	☐ 7 INTERSTITIAL MONITORING	☐ 91 NONE	☐ 95 UNKNOWN	☐ 99 OTHER

VI. TANK CLOSURE INFORMATION

1. ESTIMATED DATE LAST USED (MO/DAY/YR)	2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING GALLONS	3. WAS TANK FILLED WITH INERT MATERIAL? YES ☐ NO ☐
---	--	--

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

APPLICANT'S NAME
(PRINTED & SIGNATURE)

John R. White

DATE

1/5/99

LOCAL AGENCY USE ONLY THE STATE I.D. NUMBER IS COMPOSED OF THE FOUR NUMBERS BELOW

STATE I.D.#	COUNTY #	JURISDICTION #	FACILITY #	TANK #
PERMIT NUMBER	PERMIT APPROVED BY/DATE		PERMIT EXPIRATION DATE	

THIS FORM MUST BE ACCOMPANIED BY A PERMIT APPLICATION - FORM A, UNLESS A CURRENT FORM A HAS BEEN FILED.
FILE THIS FORM WITH THE LOCAL AGENCY IMPLEMENTING THE UNDERGROUND STORAGE TANK REGULATIONS

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD
UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM B



COMPLETE A SEPARATE FORM FOR EACH TANK SYSTEM.

MARK ONLY ONE ITEM ☐ 1 NEW PERMIT ☐ 3 RENEWAL PERMIT ☐ 5 CHANGE OF INFORMATION ☐ 7 PERMANENTLY CLOSED ON SITE
☐ 2 INTERIM PERMIT ☐ 4 AMENDED PERMIT ☐ 6 TEMPORARY TANK CLOSURE ☒ 8 TANK REMOVED

DBA OR FACILITY NAME WHERE TANK IS INSTALLED: CITY OF LONG BEACH - PUBLIC SERVICE MAINTENANCE YARD

I. TANK DESCRIPTION COMPLETE ALL ITEMS - SPECIFY IF UNKNOWN

A. OWNER'S TANK I.D.# TANK # 2 UL# D875886 B. MANUFACTURED BY: National Tank & Manufacturing
C. DATE INSTALLED (MO/DAY/YEAR) 11/5/59 D. TANK CAPACITY IN GALLONS: 10,000

II. TANK CONTENTS IF A-1 IS MARKED, COMPLETE ITEM C.

A. ☒ 1 MOTOR VEHICLE FUEL ☐ 4 OIL ☐ 2 PETROLEUM ☐ 80 EMPTY ☐ 3 CHEMICAL PRODUCT ☐ 95 UNKNOWN
B. ☒ 1 PRODUCT ☐ 2 WASTE
C. ☐ 1a REGULAR UNLEADED ☒ 3 DIESEL ☐ 6 AVIATION GAS
☐ 1b PREMIUM UNLEADED ☐ 4 GASAHOL ☐ 7 METHANOL
☐ 2 LEADED ☐ 5 JET FUEL ☐ 99 OTHER (DESCRIBE IN ITEM D. BELOW)
D. IF (A.1) IS NOT MARKED, ENTER NAME OF SUBSTANCE STORED C.A.S.#:

III. TANK CONSTRUCTION MARK ONE ITEM ONLY IN BOXES A, B, AND C, AND ALL THAT APPLIES IN BOX D AND E

A. TYPE OF SYSTEM ☐ 1 DOUBLE WALL ☐ 3 SINGLE WALL WITH EXTERIOR LINER ☐ 95 UNKNOWN
☒ 2 SINGLE WALL ☐ 4 SECONDARY CONTAINMENT (VAULTED TANK) ☐ 99 OTHER
B. TANK MATERIAL (Primary Tank) ☒ 1 BARE STEEL ☐ 2 STAINLESS STEEL ☐ 3 FIBERGLASS ☐ 4 STEEL CLAD W/ FIBERGLASS REINFORCED PLASTIC
☐ 5 CONCRETE ☐ 6 POLYVINYL CHLORIDE ☐ 7 ALUMINUM ☐ 8 100% METHANOL COMPATIBLE WFRP
☐ 9 BRONZE ☐ 10 GALVANIZED STEEL ☐ 95 UNKNOWN ☐ 99 OTHER
C. INTERIOR LINING ☐ 1 RUBBER LINED ☐ 2 ALKYL LING ☐ 3 EPOXY LINING ☐ 4 PHENOLIC LINING
☐ 5 GLASS LINING ☐ 6 UNLINED ☐ 95 UNKNOWN ☐ 99 OTHER
IS LINING MATERIAL COMPATIBLE WITH 100% METHANOL? YES NO
D. CORROSION PROTECTION ☐ 1 POLYETHYLENE WRAP ☐ 2 COATING ☐ 3 VINYL WRAP ☐ 4 FIBERGLASS REINFORCED PLASTIC
☐ 5 CATHODIC PROTECTION ☐ 91 NONE ☐ 95 UNKNOWN ☐ 99 OTHER
E. SPILL AND OVERFILL SPILL CONTAINMENT INSTALLED (YEAR) OVERFILL PREVENTION EQUIPMENT INSTALLED (YEAR)

IV. PIPING INFORMATION CIRCLE A IF ABOVE GROUND OR U IF UNDERGROUND, BOTH IF APPLICABLE

A. SYSTEM TYPE A (U) 1 SUCTION A U 2 PRESSURE A U 3 GRAVITY A U 99 OTHER
B. CONSTRUCTION A U 1 SINGLE WALL A U 2 DOUBLE WALL A U 3 LINED TRENCH A U 95 UNKNOWN A U 99 OTHER
C. MATERIAL AND CORROSION PROTECTION A U 1 BARE STEEL A U 2 STAINLESS STEEL A U 3 POLYVINYL CHLORIDE (PVC) A U 4 FIBERGLASS PIPE
A U 5 ALUMINUM A U 6 CONCRETE A U 7 STEEL W/ COATING A U 8 100% METHANOL COMPATIBLE WFRP
A U 9 GALVANIZED STEEL A U 10 CATHODIC PROTECTION A U 95 UNKNOWN A U 99 OTHER
D. LEAK DETECTION ☐ 1 AUTOMATIC LINE LEAK DETECTOR ☐ 2 LINE TIGHTNESS TESTING ☐ 3 INTERSTITIAL MONITORING ☐ 99 OTHER

V. TANK LEAK DETECTION

☐ 1 VISUAL CHECK ☐ 2 INVENTORY RECONCILIATION ☐ 3 VADOZE MONITORING ☐ 4 AUTOMATIC TANK GAUGING ☐ 5 GROUND WATER MONITORING
☐ 6 TANK TESTING ☐ 7 INTERSTITIAL MONITORING ☐ 91 NONE ☐ 95 UNKNOWN ☐ 99 OTHER

VI. TANK CLOSURE INFORMATION

1. ESTIMATED DATE LAST USED (MO/DAY/YR) 2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING GALLONS 3. WAS TANK FILLED WITH INERT MATERIAL? YES NO

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

APPLICANT'S NAME
(PRINTED & SIGNATURE)

John R. White

DATE

11/5/99

LOCAL AGENCY USE ONLY THE STATE I.D. NUMBER IS COMPOSED OF THE FOUR NUMBERS BELOW

STATE I.D.# COUNTY # JURISDICTION # FACILITY # TANK #
PERMIT NUMBER PERMIT APPROVED BY/DATE PERMIT EXPIRATION DATE

THIS FORM MUST BE ACCOMPANIED BY A PERMIT APPLICATION - FORM A, UNLESS A CURRENT FORM A HAS BEEN FILED.
FILE THIS FORM WITH THE LOCAL AGENCY IMPLEMENTING THE UNDERGROUND STORAGE TANK REGULATIONS

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD
UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM B



COMPLETE A SEPARATE FORM FOR EACH TANK SYSTEM.

MARK ONLY
ONE ITEM

- | | | | |
|---|---|---|---|
| ☐ 1 NEW PERMIT | ☐ 3 RENEWAL PERMIT | ☐ 5 CHANGE OF INFORMATION | ☐ 7 PERMANENTLY CLOSED ON SITE |
| ☐ 2 INTERIM PERMIT | ☐ 4 AMENDED PERMIT | ☐ 6 TEMPORARY TANK CLOSURE | ☒ 8 TANK REMOVED |

DBA OR FACILITY NAME WHERE TANK IS INSTALLED: CITY OF LONG BEACH - PUBLIC SERVICE MAINTENANCE YARD

I. TANK DESCRIPTION COMPLETE ALL ITEMS - SPECIFY IF UNKNOWN

A. OWNER'S TANK I.D.# <u>TANK # 3 UL # 27606</u>	B. MANUFACTURED BY: <u>JOOR</u>
C. DATE INSTALLED (MO/DAY/YEAR) <u>7/19/88</u>	D. TANK CAPACITY IN GALLONS: <u>1,000</u>

II. TANK CONTENTS IF A-1 IS MARKED, COMPLETE ITEM C.

Tank never used (Originally meant for Solvent)

A. ☐ 1 MOTOR VEHICLE FUEL ☐ 2 PETROLEUM ☒ 3 CHEMICAL PRODUCT	☐ 4 OIL ☐ 80 EMPTY ☐ 95 UNKNOWN	B. ☒ 1 PRODUCT ☐ 2 WASTE	C. ☐ 1a REGULAR UNLEADED ☐ 1b PREMIUM UNLEADED ☐ 2 LEADED	☐ 3 DIESEL ☐ 4 GASAHOL ☐ 5 JET FUEL ☒ 99 OTHER (DESCRIBE IN ITEM D. BELOW)	☐ 6 AVIATION GAS ☐ 7 METHANOL
D. IF (A.1) IS NOT MARKED, ENTER NAME OF SUBSTANCE STORED <u>Solvent (Acetone)</u>			C.A.S.#: <u>108-90-7</u>		

III. TANK CONSTRUCTION MARK ONE ITEM ONLY IN BOXES A, B, AND C, AND ALL THAT APPLIES IN BOX D AND E

A. TYPE OF SYSTEM ☒ 1 DOUBLE WALL ☒ 2 SINGLE WALL	☐ 3 SINGLE WALL WITH EXTERIOR LINER ☐ 4 SECONDARY CONTAINMENT (VAULTED TANK)	☐ 95 UNKNOWN ☐ 99 OTHER		
B. TANK MATERIAL (Primary Tank) ☒ 1 BARE STEEL ☐ 5 CONCRETE ☐ 9 BRONZE	☐ 2 STAINLESS STEEL ☐ 6 POLYVINYL CHLORIDE ☐ 10 GALVANIZED STEEL	☐ 3 FIBERGLASS ☐ 7 ALUMINUM ☐ 95 UNKNOWN ☐ 99 OTHER		
C. INTERIOR LINING ☐ 1 RUBBER LINED ☐ 5 GLASS LINING	☐ 2 ALKYL LING ☐ 6 UNLINED	☐ 3 EPOXY LINING ☐ 95 UNKNOWN ☐ 99 OTHER		
IS LINING MATERIAL COMPATIBLE WITH 100% METHANOL? YES ☐ NO ☐				
CORROSION PROTECTION ☐ 1 POLYETHYLENE WRAP ☐ 2 COATING ☐ 5 CATHODIC PROTECTION ☐ 91 NONE			☐ 3 VINYL WRAP ☐ 95 UNKNOWN ☐ 99 OTHER	☐ 4 FIBERGLASS REINFORCED PLASTIC
E. SPILL AND OVERFILL SPILL CONTAINMENT INSTALLED (YEAR) _____			OVERFILL PREVENTION EQUIPMENT INSTALLED (YEAR) _____	

IV. PIPING INFORMATION CIRCLE A IF ABOVE GROUND OR U IF UNDERGROUND, BOTH IF APPLICABLE

A. SYSTEM TYPE	A U 1 SUCTION	A U 2 PRESSURE	A U 3 GRAVITY	A U 99 OTHER
B. CONSTRUCTION	A U 1 SINGLE WALL	A U 2 DOUBLE WALL	A U 3 LINED TRENCH	A U 95 UNKNOWN A U 99 OTHER
C. MATERIAL AND CORROSION PROTECTION	A U 1 BARE STEEL A U 5 ALUMINUM A U 9 GALVANIZED STEEL	A U 2 STAINLESS STEEL A U 6 CONCRETE A U 10 CATHODIC PROTECTION	A U 3 POLYVINYL CHLORIDE (PVC) A U 7 STEEL W/COATING A U 95 UNKNOWN	A U 4 FIBERGLASS PIPE A U 8 100% METHANOL COMPATIBLE W/FRP A U 99 OTHER
D. LEAK DETECTION	☐ 1 AUTOMATIC LINE LEAK DETECTOR	☐ 2 LINE TIGHTNESS TESTING	☐ 3 INTERSTITIAL MONITORING	☐ 99 OTHER

V. TANK LEAK DETECTION

☐ 1 VISUAL CHECK	☐ 2 INVENTORY RECONCILIATION	☐ 3 VADOZE MONITORING	☐ 4 AUTOMATIC TANK GAUGING	☐ 5 GROUND WATER MONITORING
☐ 6 TANK TESTING	☐ 7 INTERSTITIAL MONITORING	☐ 91 NONE	☐ 95 UNKNOWN	☐ 99 OTHER

VI. TANK CLOSURE INFORMATION

1. ESTIMATED DATE LAST USED (MO/DAY/YR)	2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING _____ GALLONS	3. WAS TANK FILLED WITH INERT MATERIAL? YES ☐ NO ☐
---	--	--

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

APPLICANT'S NAME
(PRINTED & SIGNATURE)

John R. White

DATE

1/5/99

LOCAL AGENCY USE ONLY THE STATE I.D. NUMBER IS COMPOSED OF THE FOUR NUMBERS BELOW

STATE I.D.#	COUNTY #	JURISDICTION #	FACILITY #	TANK #
PERMIT NUMBER	PERMIT APPROVED BY/DATE	PERMIT EXPIRATION DATE		

THIS FORM MUST BE ACCOMPANIED BY A PERMIT APPLICATION - FORM A, UNLESS A CURRENT FORM A HAS BEEN FILED.
FILE THIS FORM WITH THE LOCAL AGENCY IMPLEMENTING THE UNDERGROUND STORAGE TANK REGULATIONS



February 1, 1999

Cheryl Sandel
City of Long Beach
Department of Health and Human Services
Hazardous Materials Division
2525 Grand Avenue
Long Beach, CA 90815



**RE: ADDITIONAL SAMPLING RESULTS: UST REMOVAL- PUBLIC SERVICE YARD,
SITE NO. 43, 1725 SAN FRANCISCO AVENUE, LONG BEACH, CALIFORNIA
(McLAREN/HART PROJECT NO. 03.0603625.001)**

Dear Ms. Sandel:

This letter and attached soil sample results are being provided to supplement the data previously sent to you on January 26, 1999, regarding the removal of three tanks located at 1725 San Francisco Avenue (Project Number F268704). Based on our review of the initial soil sample analytical results (letter dated January 26, 1999), McLaren/Hart excavated additional soil in the vicinity of samples DT-W, DD-1, and UD-1 on January 27, 1999. Approximately 31 cubic yards of contaminated soil was removed from the west end of the diesel tank excavation (sample DT-W) to a depth of 18 feet below ground surface (bgs) and approximately 21 cubic yards of contaminated soil was removed from beneath the former dispenser island (samples DD-1 and UD-1) to a depth of 6 feet bgs.

Three soil samples were collected utilizing a hand auger and drive sampler, placed in a thermally insulated cooler, and transported under proper chain-of-custody procedures to American Scientific Laboratories, a California Certified Laboratory in Los Angeles, California on January 27, 1999. Sample DT-W.1 was collected near the west end of the diesel tank excavation at a depth of 18 feet bgs, sample DD-2 was collected from beneath the former location of the diesel dispenser at a depth of 6 feet bgs, and UD-2 was collected from beneath the former location of the unleaded dispenser at a depth of 6 feet bgs. Samples were analyzed for TPHg and TPHd using EPA Method 8015M and BTEX and MTBE using EPA Method 8020. Copies of soil sample analysis results, chain-of-custody form, and a plot plan identifying the locations of samples collected for the above referenced project are attached.

N:\L\LONGBEAC\0603625.001\lr003.doc

16755 Von Karman Avenue, Suite 200, Irvine, California 92606-4918
(949) 756-2667 FAX (949) 756-8460



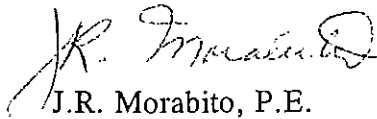
Sandel

February 1, 1999

Page 2

If you have any comments or inquiries regarding this letter or attachments, please contact me at (949) 752-3202 or John Haney at (949) 752-3285.

Sincerely,



J.R. Morabito, P.E.

Principal Engineer

Attachments

cc: Wayne Swenson, Long Beach Fire Department, City of Long Beach
David McCarty, Fleet Services Bureau, City of Long Beach

N:\LI\LONGBEAC\0603625.00\LTR003.DOC





AMERICAN SCIENTIFIC LABORATORIES, LLC

Environmental Testing Services

3225 San Fernando Road, LA, CA 90065 Tel: (323) 254-7700 • Fax: (323) 254-7799

Page 1 Of 1

ASL JOB# _____

Company: <u>McLAREN/HART</u>						Report To: <u>J.R. MORABITO</u>		ANALYSIS REQUESTED													
Address: <u>16755 VON KARMAN AVE.</u>						Project Name: <u>LEC TANK REMOVAL</u>		Address: <u>SAME</u>		TOXIC DIESEL TOXIC GAS BTEX + MTBE + 200											
IRVINE, CA 92606						Site Address: <u>1801 SAN FRANCISCO</u>		Invoice To: <u>SAME</u>													
Telephone: (949) 752-3202						Address: <u>LONG BEACH, CA.</u>		Address: <u>SAME</u>													
Fax: (949) 756-9460						Project ID: <u>030603625.001.001</u>		P.O.#:													
Special Instruction: <u>FAX RESULTS UPON COMPLETION</u>						Project Manager: <u>J.R. MORABITO</u>															
ITEM	LAB USE ONLY	SAMPLE DESCRIPTION					Container(s)		Matrix	Preservation											Remarks
	Lab ID	Sample ID	Date	Time	#	Type															
		DT-W.1	1/27/98	1320	1	BRASS	SOIL	4°C	X	X	X							18' bgs			
		DD-Z	↓	13:50	↓	↓	↓		X	X	Y							6' bgs			
		UD-Z	↓	14:05	↓	↓	↓		X	X	X							6' bgs			
Collected By: <u>J. HANEY</u>						Date <u>1/27/98</u> Time <u>—</u>		Relinquished By:		Date		Time						TAT			
Relinquished By: <u>[Signature]</u>						Date <u>1/27/98</u> Time <u>14:15</u>		Received For Laboratory		Date <u>1/27</u>		Time <u>—</u>						☐ Normal			
Condition of Sample:																		☐ Rush			

1-28-1999 5:30PM

FROM AMERICAN SCIENTIFIC LABS 2132547799

P. 2



AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

McLaren Hart
16755 Von Karman Ave.
Suite 200
Irvine, CA 92606-4918

Number of Pages: 3
Date Received : 01/27/99
Date Reported : 01/28/99

Attn : J.R. Morabito
Phone: 949/756-2667

ASL Job Number: 4508

Project Name : LBC Tank Removal
Project Number : 030603625.001.001

Site: 1601 San Francisco
Long Beach, CA

Enclosed are the results of analyses on 3 soil samples
analyzed as specified on attached chain of custody.

Checked By

Werk

Approved By

ROBERT G. ARAGHI
LABORATORY DIRECTOR

1-28-1999 5:30PM

FROM

AMERICAN_SCIENFIC_LABS 2132547799

P. 3



AMERICAN SCIENTIFIC LABORATORIES, LLC

Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4508
 Project ID: 030603625.001.001
 Project Name: LBC Tank Removal

Page: 2

Report To: (MCLH) McLaren Hart
 16755 Von Karman Ave
 Suite 200
 Irvine, CA 92606-4918

Site: 1601 San Francisco
 Long Beach, CA

Attn: J.R. Morabito

Phone: 949/756-2667

Method:	(8015M/DHSLUPT)			
Matrix:	TPH as Diesel Range Organics			
Units:	Soil mg/kg			
Lab ID:	30498	30499	30500	
Sample No:	DT-W.1	DD-2	UD-2	
Date Sampled:	01/27/99	01/27/99	01/27/99	
Date Extracted:	01/28/99	01/28/99	01/28/99	Detection
Date Analyzed:	01/28/99	01/28/99	01/28/99	Limit
TPH DRO (C13-C22)	ND	ND	ND	10

Quality Control Report

Lab ID:	30498	30499	30500
Surrogate %REC.			
Chlorobenzene	91	82	105
	Spike	Spike DUP.	AVG.
	%REC.	%REC.	RPD
TPH as Diesel	95	95	< 1

ND - Not Detected at The Detection Limit

3225 San Fernando Road, Los Angeles, California 90065 • (323) 254-7700, Fax: (323) 254-7799

1-28-1999 5:30PM

FROM AMERICAN_SCINTFC_LABS 2132547799

P. 4



AMERICAN SCIENTIFIC LABORATORIES, LLC

Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4508
 Project ID: 030603625.001.001
 Project Name: LBC Tank Removal

Page: 3

Report To: (MCLH) McLaren Hart
 16755 Von Karman Ave
 Suite 200
 Irvine, CA 92606-4918
 Site: 1501 San Francisco
 Long Beach, CA
 Attn: J.R. Morabito Phone: 949/756-2667

Method: [8015MOD/8020]
 Matrix: TPH as Gasoline/BETX & MTBE
 Units: Soil
 ug/kg
 Lab ID: 30498 30499 30500
 Sample No: DT-W.1 DD-2 UD-2
 Date Sampled: 01/27/99 01/27/99 01/27/99
 Date Extracted: 01/28/99 01/28/99 01/28/99
 Date Analyzed: 01/28/99 01/28/99 01/28/99
 Detection Limit

Compound	30498	30499	30500	Detection Limit
Benzene	ND	ND	ND	5
Ethylbenzene	ND	ND	ND	5
Toluene	ND	ND	ND	5
Xylenes (Total)	ND	ND	ND	10
MTBE	32	ND	ND	20
TPH as Gasoline	ND	ND	ND	1.0 (mg/Kg)

Quality Control Report

Lab ID:	30498	30499	30500
Surrogate REC.			
Bromofluorobenzene	112	117	117
	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Benzene	100	95	5.1
Toluene	99	94	5.2

ND - Not Detected at The Detection Limit



**McLaren[®]
Hart**

ENVIRONMENTAL ENGINEERING CORPORATION

January 26, 1999

Cheryl Sandel
City of Long Beach
Department of Health and Human Services
Hazardous Materials Division
2525 Grand Avenue
Long Beach, CA 90815

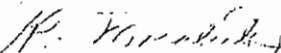
**RE: UST REMOVAL- PUBLIC SERVICE YARD, SITE NO. 43
1725 SAN FRANCISCO AVENUE, LONG BEACH, CALIFORNIA
McLAREN/HART PROJECT NO. 03.0603625.001**

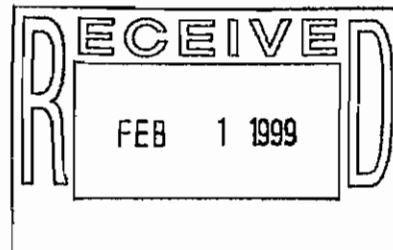
Dear Ms. Sandel:

McLaren/Hart removed three tanks located at 1725 San Francisco Avenue (Project Number F268704) and collected nine soil samples under the direction of Long Beach Fire Inspector Wayne Swenson on January 21, 1999. Samples were collected utilizing a hand auger and drive sampler, placed in a thermally insulated cooler, and transported under proper chain-of-custody procedures to American Scientific Laboratories, a California Certified Laboratory in Los Angeles, California on January 21, 1999. Samples were analyzed for TPHg and TPHd using EPA Method 8015M and BTEX and MTBE using EPA Method 8020. Enclosed are copies of sample analysis results, chain-of-custody, and a plot plan identifying the locations of samples collected for the above referenced project.

If you have any comments or inquiries regarding this letter or attachments, please contact me at (949) 752-3202 or John Haney at (949) 752-3285.

Sincerely,


J.R. Morabito, P.E.
Principal Engineer



Attachments

cc: Wayne Swenson, Long Beach Fire Department, City of Long Beach
David McCarty, Fleet Services Bureau, City of Long Beach

\\MHIRVINE\DATA\PROJECTS\LI\LONGBEAC\0603625.001\lr002.doc

16755 Von Karman Avenue, Irvine, CA 92714 (714) 756-2667 FAX (714) 756-8460



AMERICAN SCIENTIFIC LABORATORIES, LLC

Environmental Testing Services

3225 San Fernando Road, LA, CA 90065 Tel: (323) 254-7700 • Fax: (323) 254-7799

Page 1 Of 1

ASL JOB#

Company: McLAREN/HART						Report To: J.R. MORABITO		ANALYSIS REQUESTED											
Address: 16755 VON KARMAN AVE						Project Name: LRC TANK REMOVAL		Address: SAME		2015 M DIESEL 2015 M GAS BTX + MTBE 2010									
IRVINE, CA						Site Address: 1601 SAN FRANCISCO AVE		Invoice To: SAME											
Telephone: 949 752 3202								Address: N/A											
Fax: 949 756 8460																			
Special Instruction: FAX RESULTS UPON COMPLETION						Project ID: 030603625.001.001		P.O.#:											
Project Manager: J.R. MORABITO																			

I T E M	LAB USE ONLY	SAMPLE DESCRIPTION					Container(s)		Matrix	Preservation											Remarks
	Lab ID	Sample ID	Date	Time	#	Type															
		DD-1	1-21-99	09:20	1	BRASS	SOIL	4°C	X	X	X								2' bgs		
		DT-E		10:00					X	X	X							} RUN THESE SAMPLES FIRST	14' bgs		
		UT-E		10:10					X	X	X								14' bgs		
		UT-W		10:25					X	X	X								15' bgs		
		DT-W		10:35					X	X	X								15' bgs		
		UD-1		10:50					X	X	X								2' bgs		
		DP-1		11:30					X	X	X								4' bgs		
		SP-1		11:35					X	X	X								STOCKPILE WEST		
		SP-2		11:40					X	X	X								STOCKPILE EAST		
																		24 HR.			

Collected By: J. HANEY	Date: 1/21/99	Time: 12:00	Relinquished By:	Date:	Time:	TAT
Relinquished By: [Signature]	Date: 1/21/99	Time: 14:45	Received For Laboratory: [Signature]	Date: 1/21	Time: 14:45	☐ Normal ☒ Rush
Condition of Sample:						

1-22-1999 3:59PM

FROM AMERICAN SCIENTIFIC LABS 2132547799

P. 1



AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

Fax Cover Sheet

To: J.R. Morabito

Company: Melaren Hart Fax #: 949/756-8460

From: Lily

Date: 1-22-99 Time: 3:10pm

Number of Pages(Including Cover): 14

Notes: Please, check the report and call us with any
additional request as soon as possible.

1-22-1999 4:00PM

FROM: AMERICAN SCIENTIFIC LABS 2132547799

P.2



AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

McLaren Hart
16755 Von Karman Ave.
Suite 200
Irvine, CA 92606-4918

Number of Pages: 13
Date Received : 01/21/99
Date Reported : 01/22/99

Attn : J.R.Morabito
Phone: 949/756-2667

ASL Job Number: 4478

Project Name : LBC Tank Removal
Project Number : 030603625.001.001

Site: 1601 San Francisco Ave.

Enclosed are the results of analyses on 9 soil samples
analyzed as specified on attached chain of custody.

Checked By

Approved By

ROBERT G. ARAGHI
LABORATORY DIRECTOR

1-22-1999 4:00PM

FROM AMERICAN SCIENTIFIC LABS 2132547799

P.3



AMERICAN SCIENTIFIC LABORATORIES, LLC

Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4478
 Project ID: 030603625.001.001
 Project Name: LBC Tank Removal

Page: 2

Report To: (MCLH) McLaren Hart
 16755 Von Karman Ave.
 Suite 200
 Irvine, CA 92606-4918
 Site: 1601 San Francisco Ave.

Attn: J.R.Morabito

Phone: 949/756-2667

Method:	(8015M/DHSLOFT)			
Matrix:	TPH as Diesel Range Organics			
Units:	Soil mg/kg			
Lab ID:	30322	30323	30324	30325
Sample No:	DD-1	DT-E	UT-E	UT-W
Date Sampled:	01/21/99	01/21/99	01/21/99	01/21/99
Date Extracted:	01/21/99	01/21/99	01/21/99	01/21/99
Date Analyzed:	01/21/99	01/21/99	01/21/99	01/21/99
				Detection Limit
TPH DRO (C13-C22)	11400	ND	ND	ND
				10

Quality Control Report

Lab ID:	30322	30323	30324	30325
Surrogate %REC.				
Chlorobenzene	109	87	85	84
	Spike %REC.	Spike DUP. %REC.	AVG. RPD	
TPH as Diesel	99	99	< 1	

ND - Not Detected at The Detection Limit

2225 San Francisco Ave.

1-22-1999 4:00PM

FROM AMERICAN SCIENTIFIC LABS 2132547799

P. 4



AMERICAN SCIENTIFIC LABORATORIES, LLC

Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4478
 Project ID: 030603625.001.001
 Project Name: LBC Tank Removal

Page: 3

Report To: (MCLH) McLaren Hart
 16755 Von Karman Ave.
 Suite 200
 Irvine, CA 92606-4918

Site: 1601 San Francisco Ave.

Attn: J.R. Morabito

Phone: 949/756-2667

Method:	(8015M/DHSLUFT)				
Matrix:	TPH as Diesel Range Organics				
Units:	Soil mg/kg				
Lab ID:	30326	30327	30328	30329	
Sample No:	DT-W	UD-1	DP-1	SP-1	
Date Sampled:	01/21/99	01/21/99	01/21/99	01/21/99	
Date Extracted:	01/21/99	01/21/99	01/21/99	01/21/99	Detection
Date Analyzed:	01/21/99	01/21/99	01/21/99	01/21/99	Limit

TPH DRO (C13-C22)	ND	ND	ND	ND	10
-------------------	----	----	----	----	----

Quality Control Report

Lab ID:	30326	30327	30328	30329
Surrogate %REC. Chlorobenzene	85	95	82	96
Spike %REC.		Spike DUP. %REC.	AVG. RPD	
TPH as Diesel	99	99	< 1	

ND - Not Detected at The Detection Limit

1-22-1999 4:01PM

FROM AMERICAN_SCIENFIC_LABS 2132547799

P.5



AMERICAN SCIENTIFIC LABORATORIES, LLC

Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4478
Project ID: 030603625.001.001
Project Name: LBC Tank Removal

Page: 4

Report To: (MCLH)
McLaren Hart
16755 Von Karman Ave.
Suite 200
Irvine, CA 92606-4918

Site: 1601 San Francisco Ave.

Attn: J.R. Morabito

Phone: 949/756-2667

Method:	(8015M/DHSLUFT)
Matrix:	TPH as Diesel Range Organics
Units:	Soil mg/kg
Lab ID:	30330
Sample No:	SP-2
Date Sampled:	01/21/99
Date Extracted:	01/21/99
Date Analyzed:	01/21/99
	Detection Limit

TPH DRO (C13-C22)

9310

10

Quality Control Report

Lab ID: 30330

Surrogate %REC.
Chlorobenzene

120

Spike
%REC.

Spike DUP.
%REC.

AVG.
RPD

TPH as Diesel

99

99

< 1

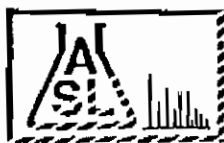
ND - Not Detected at The Detection Limit

2225 San Emidio Dr. Irvine, CA 92614

1-22-1999 4:01PM

FROM AMERICAN SCIENTIFIC LABS 2132547799

P. 6



AMERICAN SCIENTIFIC LABORATORIES, LLC

Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4478
 Project ID: 030603625.001.001
 Project Name: LBC Tank Removal

Page: 5

Report To: (MCLH)
 McLaren Hart
 16755 Von Karman Ave.
 Suite 200
 Irvine, CA 92606-4918

Site: 1601 San Francisco Ave.

Attn: J.R. Morabito

Phone: 949/756-2667

Method: [8015MOD/8020]
 Matrix: TPH as Gasoline/BETX & MTBE
 Units: Soil
 ug/kg

Lab ID: 30322
 Sample No: DD-1
 Date Sampled: 01/21/99
 Date Extracted: 01/21/99
 Date Analyzed: 01/22/99

Detection Limit

Benzene	62	50
Ethylbenzene	50	50
Toluene	50	50
Xylenes (Total)	280	100
MTBE	ND	200
TPH as Gasoline	15	10 (mg/Kg)

Quality Control Report

Lab ID: 30322

Surrogate %REC.
 Bromofluorobenzene

119

	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Benzene	115	106	8.1
Toluene	114	103	10.1

ND - Not Detected at The Detection Limit

1-22-1999 4:02PM

FROM AMERICAN SCIENTIFIC LABS 2132547799

P. 7



AMERICAN SCIENTIFIC LABORATORIES, LLC

Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4478
Project ID: 030603625.001.001
Project Name: LBC Tank Removal

Page: 6

Report To: (MCLH)
McLaren Hart
16755 Von Karman Ave.
Suite 200
Irvine, CA 92606-4918

Site: 1601 San Francisco Ave.

Attn: J.R. Morabito

Phone: 949/756-2667

Method: [8015MOD/8020]
TPH as Gasoline/BETX & MTBE
Matrix: Soil
Units: ug/kg
Lab ID: 30323
Sample No: DT-E
Date Sampled: 01/21/99
Date Extracted: 01/22/99
Date Analyzed: 01/22/99

Detection
Limit

Benzene	ND	5
Ethylbenzene	90	5
Toluene	ND	5
Xylenes (Total)	70	10
MTBE	40	20
TPH as Gasoline	ND	1.0 (mg/Kg)

Quality Control Report

Lab ID: 30323

Surrogate & REC.
Bromofluorobenzene

114

	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Benzene	115	106	9.1
Toluene	114	103	10.1

ND - NOT Detected at The Detection Limit

1-22-1999 4:02PM

FROM AMERICAN SCIENTIFIC LABS 2132547799

P. 8



AMERICAN SCIENTIFIC LABORATORIES, LLC

Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4478
 Project ID: 030603625.001.001
 Project Name: LBC Tank Removal

Page: 7

Report To: (MCLH) McLaren Hart
 16755 Von Karman Ave.
 Suite 200
 Irvine, CA 92606-4918

Site: 1801 San Francisco Ave.

Attn: J.R. Morabito

Phone: 949/756-2667

Method: [8015MOD/80201
 Matrix: TPH as Gasoline/BETX & MTBE
 Units: Soil
 ug/kg

Lab ID: 30324
 Sample No: UT-E
 Date Sampled: 01/21/99
 Date Extracted: 01/21/99
 Date Analyzed: 01/21/99

Detection
 Limit

Benzene	ND	5
Ethylbenzene	ND	5
Toluene	ND	5
Xylenes (Total)	ND	10
MTBE	ND	20
TPH as Gasoline	ND	1.0 (mg/kg)

Quality Control Report

Lab ID: 30324

Surrogate %REC.

Bromofluorobenzene

84

	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Benzene	105	104	< 1
Toluene	101	100	1

ND - Not Detected at The Detection Limit

1-22-1999 4:02PM

FROM AMERICAN SCNTFC LABS 2132547799

P.9



AMERICAN SCIENTIFIC LABORATORIES, LLC

Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4478
 Project ID: 030603625.001.001
 Project Name: LBC Tank Removal

Page: 8

Report To: (MCLH)
 McLaren Hart
 16755 Von Karman Ave.
 Suite 200
 Irvine, CA 92606-4918

Site: 1601 San Francisco Ave.

Attn: J.R. Morabito

Phone: 949/756-2667

Method: [8015MOD/8020]
 Matrix: TPH as Gasoline/BETX & MTBE
 Units: Soil
 ug/kg

Lab ID: 30325
 Sample No: UT-W
 Date Sampled: 01/21/99
 Date Extracted: 01/21/99
 Date Analyzed: 01/21/99

Detection Limit

Benzene	ND	5
Ethylbenzene	ND	5
Toluene	ND	5
Xylenes (Total)	ND	10
MTBE	115	20
TPH as Gasoline	ND	1.0 (mg/kg)

Quality Control Report

Lab ID: 30325

Surrogate & REC.
 Bromofluorobenzene

114

	Spike & REC.	Spike DUP. & REC.	AVG. RPD
Benzene	105	104	< 1
Toluene	101	100	1

ND - Not Detected at The Detection Limit



AMERICAN SCIENTIFIC LABORATORIES, LLC

Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4478
 Project ID: 030603625.001.001
 Project Name: LBC Tank Removal

Page: 9

Report To: (MCLH)
 McLaren Hart
 16755 Von Karman Ave.
 Suite 200
 Irvine, CA 92606-4918

Site: 1601 San Francisco Ave.

Attn: J.R. Morabito

Phone: 949/756-2667

Method: [8015MOD/8020]
 Matrix: TPH as Gasoline/BETX & MTBE
 Units: Soil
 ug/kg

Lab ID: 30326
 Sample No: DT-W
 Date Sampled: 01/21/99
 Date Extracted: 01/22/99
 Date Analyzed: 01/22/99

Detection
 Limit

Benzene	18	5
Ethylbenzene	450	5
Toluene	55	5
Xylenes (Total)	524	10
MTBE	195	20
TPH as Gasoline	43	1.0 (mg/kg)

Quality Control Report

Lab ID: 30326

Surrogate %REC.
 Bromofluorobenzene

120

Spike
 %REC.

Spike DUP.
 %REC.

AVG.
 RPD

Benzene
 Toluene

115
 114

106
 103

8.1
 10.1

Comment to Sample(s)

30326: MTBE not included in TPH calculation.

ND - Not Detected at The Detection Limit

1-22-1999 4:03PM

FROM AMERICAN_SCIENFIC_LABS 2132547799

P. 11



AMERICAN SCIENTIFIC LABORATORIES, LLC

Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4478
 Project ID: 030603625.001.001
 Project Name: LBC Tank Removal

Page: 10

Report To: (MCLH)
 McLaren Hart
 16755 Von Karman Ave.
 Suite 200
 Irvine, CA 92606-4918

Site: 1501 San Francisco Ave.

Attn: J.R. Morabito

Phone: 949/756-2667

Method: [8015MOD/8020]
 Matrix: TPH as Gasoline/BETX & MTBE
 Units: Soil
 ug/kg

Lab ID: 30327
 Sample No: UD-1
 Date Sampled: 01/21/99
 Date Extracted: 01/22/99
 Date Analyzed: 01/22/99

Detection Limit

Benzene	61	5
Ethylbenzene	186	5
Toluene	784	5
Xylenes (Total)	1660	10
MTBE	16100	20
TPH as Gasoline	12	1.0 (mg/Kg)

Quality Control Report

Lab ID: 30327

Surrogate %REC.
 Bromofluorobenzene

119

	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Benzene	115	106	8.1
Toluene	114	103	10.1

Comment to Sample(s)

30327: MTBE not included in TPH calculation.

ND - Not Detected at The Detection Limit

1-22-1999 4:03PM

FROM: AMERICAN SCIENTIFIC LABS 2132547799

P. 12



AMERICAN SCIENTIFIC LABORATORIES, LLC

Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4478
 Project ID: 030603625.001.001
 Project Name: LBC Tank Removal

Page: 11

Report To: (MCLH)
 McLaren Hart
 16755 Von Karman Ave.
 Suite 200
 Irvine, CA 92606-4918

Site:
 1601 San Francisco Ave.

Attn: J.R.Morabito

Phone: 949/756-2667

Method:	[8015MOD/8020]	
Matrix:	TPH as Gasoline/BETX & MTBE	
Units:	Soil	
	ug/kg	
Lab ID:	30328	
Sample No:	DP-1	
Date Sampled:	01/21/99	
Date Extracted:	01/21/99	Detection
Date Analyzed:	01/21/99	Limit

Benzene	ND	5
Ethylbenzene	ND	5
Toluene	ND	5
Xylenes (Total)	ND	10
MTBE	ND	20
TPH as Gasoline	ND	1.0 (mg/Kg)

Quality Control Report

Lab ID: 30328

Surrogate %REC.
 Bromofluorobenzene

114

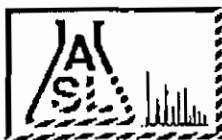
	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Benzene	105	104	< 1
Toluene	101	100	1

ND - Not Detected at The Detection Limit

1-22-1999 4:04PM

FROM: AMERICAN SCIENTIFIC LABS 2132547799

P. 13



AMERICAN SCIENTIFIC LABORATORIES, LLC

Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4478
 Project ID: 030603625.001.001
 Project Name: LBC Tank Removal

Page: 12

Report To: (MCLH)
 McLaren Hart
 16755 Von Karman Ave.
 Suite 200
 Irvine, CA 92606-4918

Site: 1601 San Francisco Ave.

Attn: J.R. Morabito

Phone: 949/756-2667

Method: [8015MOD/8020]
 Matrix: TPH as Gasoline/BETX & MTBE
 Units: Soil
 ug/kg

Lab ID: 30329
 Sample No: SP-1
 Date Sampled: 01/21/99
 Date Extracted: 01/21/99
 Date Analyzed: 01/21/99

Detection Limit

Benzene	ND	5
Ethylbenzene	9	5
Toluene	ND	5
Xylenes(Total)	38	10
MTBE	80	20
TPH as Gasoline	3.2	1.0 (mg/Kg)

Quality Control Report

Lab ID: 30329

Surrogate %REC.
 Bromofluorobenzene

120

	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Benzene	105	104	< 1
Toluene	101	100	1

Comment to Sample(s)
 30329: MTBE not included in TPH calculation.

ND - Not Detected at The Detection Limit

1-22-1999 4:04PM

FROM AMERICAN_SCINTFC_LABS 2132547799

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AMERICAN SCIENTIFIC LABORATORIES, LLC

Environmental Testing Services

ANALYTICAL RESULTS

ASL Job No: 4478
 Project ID: 030603625.001.001
 Project Name: LBC Tank Removal

Page: 13

Report To: (MCLH)
 McLaren Hart
 16755 Von Karman Ave.
 Suite 200
 Irvine, CA 92606-4918

Site: 1601 San Francisco Ave.

Attn: J.R.Morabito

Phone: 949/756-2667

Method: [8015MOD/8020]
 Matrix: TPH as Gasoline/BETX & MTBE
 Units: Soil
 ug/kg

Lab ID: 30330
 Sample No: SP-2
 Date Sampled: 01/21/99
 Date Extracted: 01/21/99
 Date Analyzed: 01/22/99

Detection
 Limit

Benzene	ND	500
Ethylbenzene	311	500
Toluene	732	500
Xylenes (Total)	9300	1000
MTBE	3820	2000
TPH as Gasoline	300	100 (mg/Kg)

Quality Control Report

Lab ID: 30330

Surrogate %REC.
 Bromofluorobenzene

120

Spike
 %REC.

Spike DUP.
 %REC.

AVG.
 RPD

Benzene
 Toluene

115
 114

16
 103

8.1
 10.1

Comment to Sample(s)

30330: MTBE not included in TPH calculation.

ND - Not Detected at The Detection Limit



UNDERGROUND STORAGE TANK REMOVAL INSPECTION REPORT

925 Harbor Plaza, Suite 100
Phone (310) 570-2560

Long Beach, California 90802
Fax (310) 570-2566

NAME

ADDRESS

PHONE#

Site City of L.B. Pub Svc Yd 1725 San Francisco Ave. 90813

DATE 1/21/99

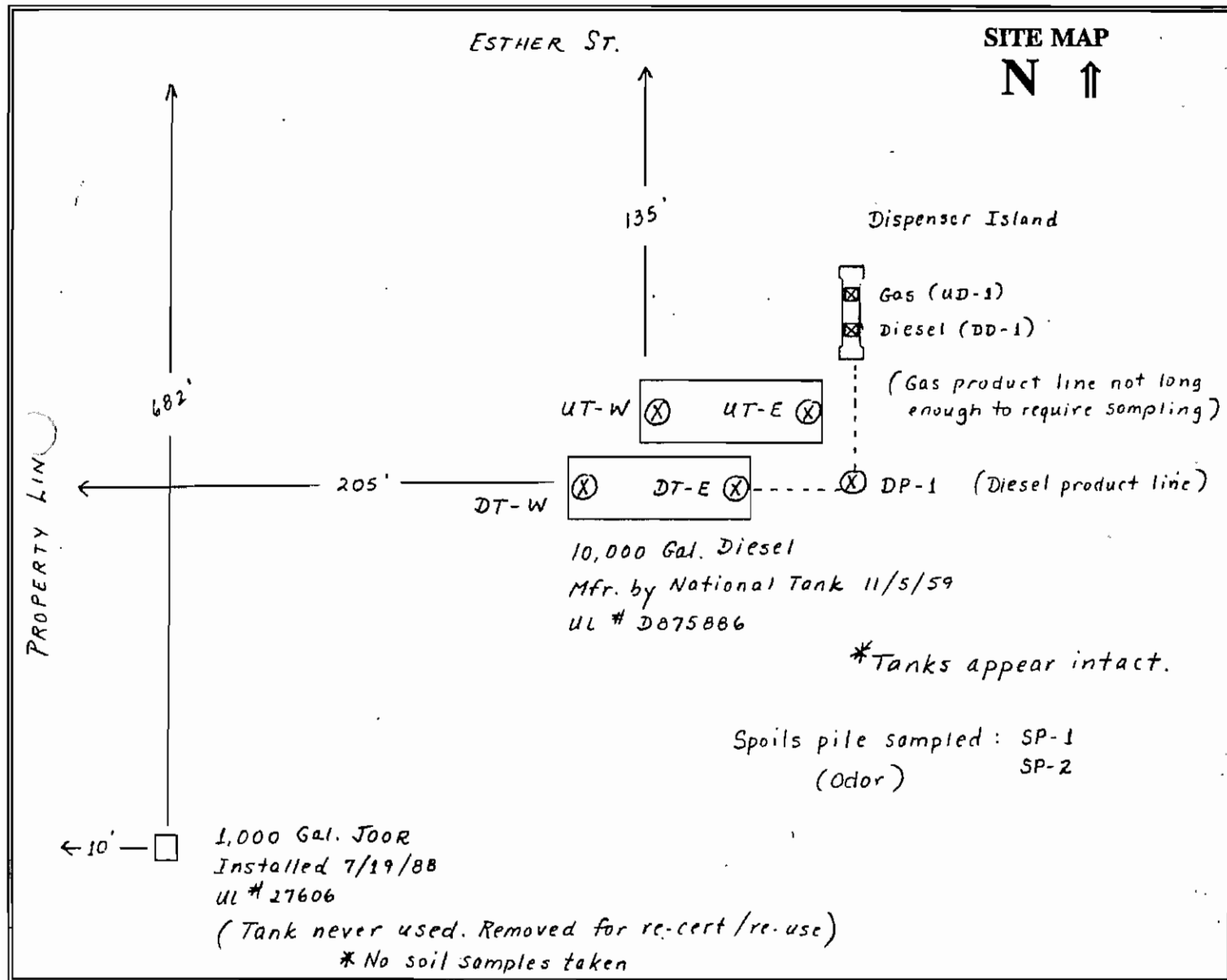
Owner City of L.B. Fleet Svc 2801 E. Willow St. 90806 570-5410

Contractor Foss Env. Pier D, Berth 247 L.B. 90802 590-6706

PROJECT# 268704

Geologist John Haney (McLaren Hart) 16755 Van Kerman Ave. Irvine 92606 (949) 756-2667

Lab ASL 3225 San Fernando Rd. Los Angeles 90065 (213) 254-7700 INSPECTOR W. Swenson



Remove 3 tank(s) per current Long Beach Fire Department and Long Beach Health Department guidelines. Soil sample analysis shall be submitted to both agencies within 14 days.

I have read and understand the above.

Signature

Print name & phone #

MCLAREN/HART
ASSOCIATE ENGINEER
Company and Title



**JOINT POWERS AGENCY
LONG BEACH/SIGNAL HILL**

Unified Program Agency



2525 Grand Avenue • Long Beach, California 90815 • (562) 570-4131

March 25, 1999

Mr. David McCarthy
Public Service Yard
1725 San Francisco Avenue
Long Beach, California 90813

Re: 1725 San Francisco Avenue, Long Beach

Dear Mr. McCarthy:

This letter confirms the completion of the removal of two (2) 10,000 gallon, one (1) 1,000 gallon and one (1) 500 gallon underground storage tank(s) formerly located at the above described location.

Based on the information in the above referenced file and with the provision that the information provided to this agency was accurate and representative of site conditions, no further action related to the underground storage tank removal is required.

This notice is issued pursuant to a regulation contained in Section 2721(e) of Title 23 of the California Code of Regulations.

Please contact me at 562/570-4128 if you have any questions regarding this matter.

Sincerely,

Jeff Benedict, R.E.H.S., M.P.A.
Hazardous Waste Operations Officer

cc: Long Beach Fire Prevention Bureau
McLaren Hart, Inc.

sat let

1,000 - Gallon Unused
Kerosene VST
(#3)

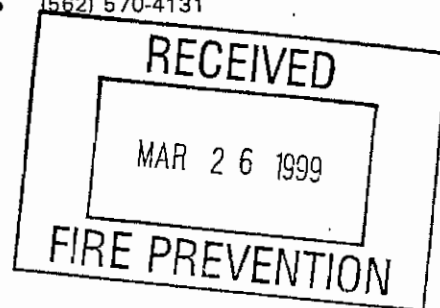


JOINT POWERS AGENCY
LONG BEACH/SIGNAL HILL



Unified Program Agency

2525 Grand Avenue • Long Beach, California 90815 • (562) 570-4131



March 25, 1999

Mr. David McCarthy
Public Service Yard
1725 San Francisco Avenue
Long Beach, California 90813

Re: 1725 San Francisco Avenue, Long Beach

Dear Mr. McCarthy:

This letter confirms the completion of the removal of two (2) 10,000 gallon, one (1) 1,000 gallon and one (1) 500 gallon underground storage tank(s) formerly located at the above described location.

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This notice is issued pursuant to a regulation contained in Section 2721(e) of Title 23 of the California Code of Regulations.

Please contact me at 562/570-4128 if you have any questions regarding this matter.

Sincerely,

Jeff Benedict, R.E.H.S., M.P.A.
Hazardous Waste Operations Officer

cc: Long Beach Fire Prevention Bureau
McLaren Hart, Inc.

sat let

FACILITY ADDRESS 1725 SAN FRANCISCO
TYPE OF BUSINESS _____ OCC. CLASS _____
OPERATOR/TENANT SUPERVISOR BOB NASH ~~SEE~~ PHONE 432 8904
RES. ADDRESS _____
24-HR. EMERGENCY CONTACT PERSON: DAYS _____ PHONE _____
NIGHTS _____ PHONE _____
TOTAL NO. OF EXISTING TANKS
(1) ABOVE GRND _____ (2) UNDER GRND _____ LAST/PRIOR INSTALLATION PERMIT NO. _____
TOTAL CAP. OF EXISTING TANKS
(1) ABOVE GRND _____ (2) UNDER GRND _____
(1) MONITORED YES _____ NO _____ (2) MONITORED YES _____ NO _____

NEW TANK INSTALLATION INFORMATION

INSTALLATION CONTRACTOR MARINE CONTRACTORS INC. CITY BUS LIC NO 880125
0469786
ADDRESS 1725 P.O. Box 517 FONTANA CA 92334 PHONE 714 823 7229

TANK(S) UEL NO.	#1 <u>27606</u>	#2 _____	#3 _____	#4 _____
TANK CAPACITY	#1 <u>1000</u>	#2 _____	#3 _____	#4 _____
COMMODITY NAME	#1 <u>KEROSENE</u>	#2 _____	#3 _____	#4 _____
HAZARD RATING	#1 _____	#2 _____	#3 _____	#4 _____
CAS NO.	#1 _____	#2 _____	#3 _____	#4 _____
TANK MFG.	#1 <u>1000</u>	#2 _____	#3 _____	#4 _____
YEAR OF MFG.	#1 <u>88</u>	#2 _____	#3 _____	#4 _____
THICKNESS OF PRIMARY TANK	#1 _____	#2 _____	#3 _____	#4 _____
TANK CONST. MATERIAL	#1 _____	#2 _____	#3 _____	#4 _____
TYPE OF TANK LINING	#1 _____	#2 _____	#3 _____	#4 _____
TYPE OF OUTER TANK COATING	#1 _____	#2 _____	#3 _____	#4 _____
ASSOC. PIPING	ABOVE GRND _____	UNDER GRND _____	VAULTED _____	
	GRAVITY _____	PRESSURE _____	SUCTION _____	
	TYPE OF SECONDARY CONTAINMENT _____			

TYPE OF MONITORING SYSTEM

TANK(S) RONAN Liquid
PIPING "

STORED PRODUCT TO BE USED IN CONNECTION WITH

I, THE UNDERSIGNED, HAVE READ COMPLETELY AND FULLY UNDERSTAND THE LONG BEACH FIRE DEPARTMENT REQUIREMENTS ON THE REVERSE SIDE WHICH APPLY TO THIS APPLICATION AND PERMIT. I, THE UNDERSIGNED, ATTEST TO THE BEST OF MY KNOWLEDGE, UNDER THE PENALTY OF PERJURY, THAT THE ABOVE PROVIDED INFORMATION IS TRUE AND CORRECT. I, THE UNDERSIGNED, ACCEPT THE CONDITION THAT ANY DEVIATION(S) FROM AND/OR MISINFORMATION ON THIS FORM WILL RENDER THIS APPLICATION AND PERMIT NULL AND VOID.

APPLICANT SIGNATURE Andy Neumann DATE July 11-88
PRINTED NAME ANDY NEUMANN TITLE PRES PHONE 714 823 7229
APPLICATION APPROVED _____ DENIED _____ BY Daphne Swenson DATE 7/19/88
LBFD Fire Prevention Official

INSTALLATION INSPECTIONS

TANK(S)	DATE <u>7/21/88</u> BY <u>Daphne Swenson</u>	PIPING	DATE <u>8/11/88</u> BY <u>Daphne Swenson</u>
TANK LEAK DETEC. SYSTEM	DATE <u>8/22/88</u> BY <u>Daphne Swenson</u>	PIPING LEAK DETEC. SYSTEM	DATE <u>8/22/88</u> BY <u>Daphne Swenson</u>
VENTING	DATE <u>8/11/88</u> BY <u>Daphne Swenson</u>	VAPOR RECOVERY SYSTEM	DATE <u>8/11/88</u> BY <u>Daphne Swenson</u>

BUREAU OF FIRE PREVENTION

COPY DISTRIBUTION

WHITE: LBFD Bureau of Fire Prevention
GREEN: LBHD Hazardous Materials Unit

CANARY: extra copy
MAY: applicant's copy

GOLDENROD: property owner's copy
LBFD File

City of Long Beach
Parking Lot

City of Long Beach
Public Services
7725 160th St
Long Beach, CA 90804

FOSS ENVIRONMENTAL Project No.
TITLE Plot Plan / Tank #
SITE LOCATION City of Long Beach Public Services Division
SCALE: 1" = 20'
Drawn By: TMM

City of Long Beach
Traffic Signal Division
Building

City of Long Beach
Electrical Shop

Access Road

Dispenser

Vent Line
Tank #3
1,000 Gallon Solvent Tank

Chain-Link Fence

Chain-Link Fence

Flood Control Channel



UNDERGROUND STORAGE TANK
INSPECTION REPORT
925 Harbor Plaza, Suite 100 Long Beach, California 90802
Phone (310) 570-2560 Fax (310) 570-2566

NAME

ADDRESS

PHONE#

Site City of L.B. Pub Svc Yd 1725 San Francisco Ave. 90813

DATE 1/21/99

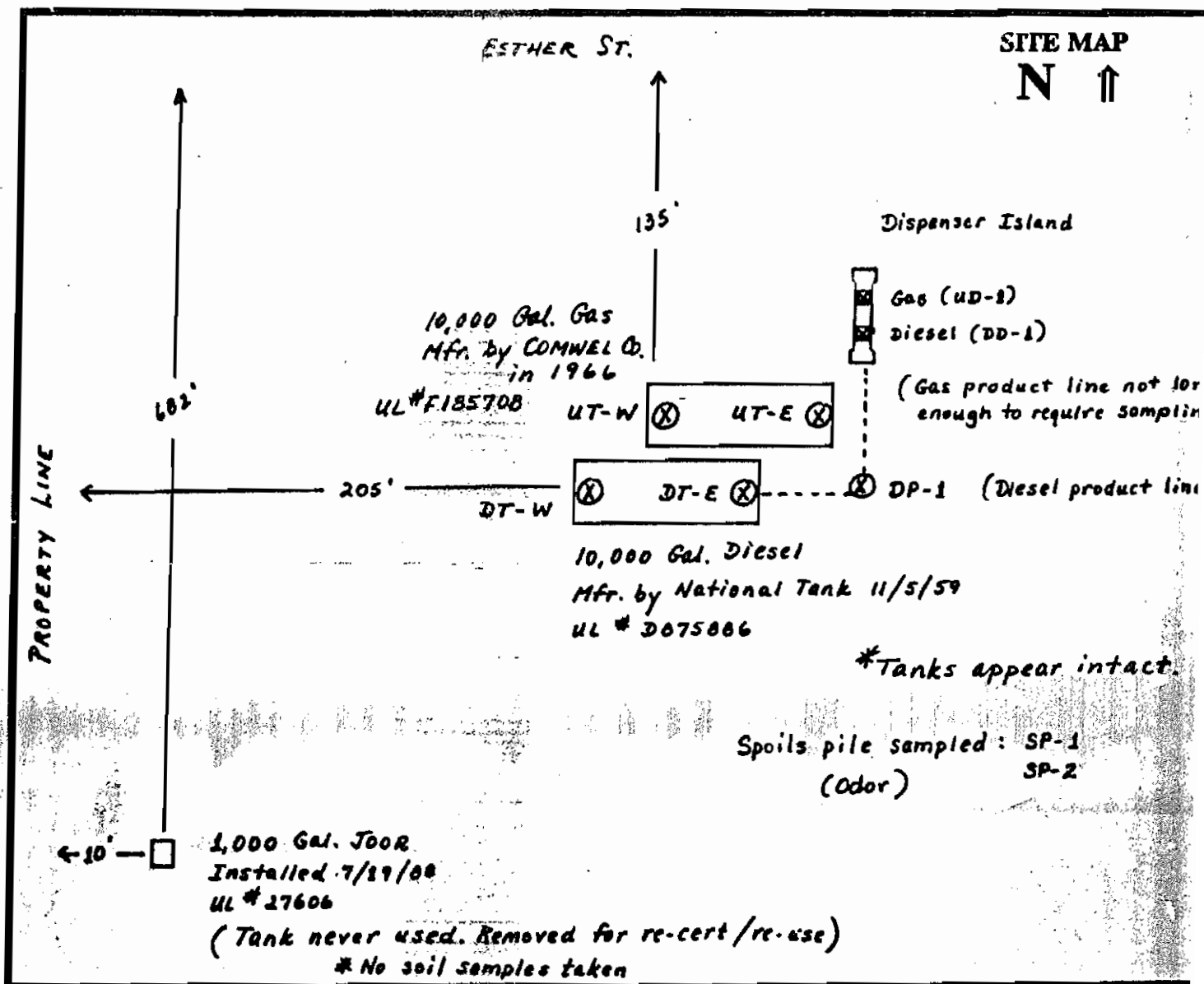
Owner City of L.B. Fleet Svcs 2801 E. Willow St. 90806 570-5410

Contractor Foss Env. Pier D, Berth 247 L.B. 90802 590-6706

PROJECT# 260704

Geologist John Haney (McLaren-Hart) 16755 Van Kerman Ave. Irvine 92606 (949) 756-2667

Lab ASL 3225 San Fernando Rd. Los Angeles 90065 (213) 254-7700 INSPECTOR W. Swenson



Remove 3 tank(s) per current Long Beach Fire Department and Long Beach Health Department guidelines. Soil sample analysis shall be submitted to both agencies within 14 days.

I have read and understand the above.

Signature

Print name & phone #

McLaren/Hart
Associate Engineer
Company and Title

FD-300 (10-90)

GENERAL PROJECT INFORMATION

- A. SITE ADDRESS: 1601 San Francisco Ave. City Long Beach Zip 90802
1725
Assessors Parcel No. _____
- B. PROPERTY OWNER:
Company City of Long Beach - Fleet Services Contact DAVID Mc CARTY
Home Mailing Address 2801 E. Willow Street City Long Beach Zip 90802
Home Phone # (562) 570 - 5410
24 hr. Contact DAVID Mc CARTY Phone # (562) 570 - 5410
- C. TANK OPERATOR/OWNER:
Company City of Long Beach - Fleet Services Contact DAVID Mc CARTY
Home Mailing Address 2801 E. Willow Street City Long Beach Zip 90802
Home Phone # (562) 570 - 5410
24 hr. Contact DAVID Mc CARTY Phone # (562) 570 - 5410
- D. CONTRACTOR:
Primary Contractor FOSS ENVIRONMENTAL Contact JOHN R. WHITE
Mailing Address Pier D, Berth D47 City Long Beach Zip 90802
Phone # (562) 590 - 6706
State Contractor License & Type 716581 Class A, HAZ. Exp. Date 12/31/1999
Workers Compensation Insurance Co. Willis Corron Corp. Exp. Date 7/1/1999
City of Long Beach Business License # BU93030990 Exp. Date 7/1/1999
- E. REMOVAL METHOD: Method #1-Hazardous _____ Method #2-Clean _____
- F. SOIL SAMPLING:
Name McLAREN - HART Phone # (949) 756 - 2667
Address 16755 Von Karman Ave. City IRVINE Zip 92606
Circle Applicable Title:
California Registered Civil Engineer; Certified Engineer Geologist; or Registered Geologist
Name - State Certified Laboratory ASL Phone # (213) 254 - 7700
Address 3225 San Fernando Rd. City Los Angeles Zip 90065

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD
UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM A

COMPLETE THIS FORM FOR EACH FACILITY/SITE



MARK ONLY ONE ITEM	☐ 1 NEW PERMIT	☐ 3 RENEWAL PERMIT	☒ 5 CHANGE OF INFORMATION	☐ 7 PERMANENTLY CLOSED SITE
	☐ 2 INTERIM PERMIT	☐ 4 AMENDED PERMIT	☐ 6 TEMPORARY SITE CLOSURE	

I. FACILITY/SITE INFORMATION & ADDRESS - (MUST BE COMPLETED)

NAME OR FACILITY NAME CITY OF LONG BEACH PUBLIC SERVICE MAINTENANCE YARD		NAME OF OPERATOR CITY OF LONG BEACH FLEET SERVICES	
ADDRESS 1601 SAN FRANCISCO AVE.		NEAREST CROSS STREET 15th Street	PARCEL # (OPTIONAL)
CITY NAME LONG BEACH	STATE CA	ZIP CODE 90802	SITE PHONE # WITH AREA CODE
☒ BOX TO INDICATE ☐ CORPORATION ☐ INDIVIDUAL ☐ PARTNERSHIP ☒ LOCAL AGENCY DISTRICTS* ☐ COUNTY AGENCY* ☐ STATE AGENCY* ☐ FEDERAL AGENCY*			
* If owner of UST is a public agency, complete the following: name of supervisor or division, section, or office which operates the UST. DAVID MCCARTY - C&B Fleet Sv.			
TYPE OF BUSINESS ☐ 1 GAS STATION ☐ 2 DISTRIBUTOR ☐ 3 FARM ☐ 4 PROCESSOR ☒ 5 OTHER		☐ IF INDIAN RESERVATION OR TRUST LAND	# OF TANKS AT SITE 85
		E.P.A. I.D. # (optional) CAD981450687	

EMERGENCY CONTACT PERSON (PRIMARY)

EMERGENCY CONTACT PERSON (SECONDARY) - optional

DAYS: NAME (LAST, FIRST) MCCARTY, DAVID	PHONE # WITH AREA CODE 562-570-5410	DAYS: NAME (LAST, FIRST)	PHONE # WITH AREA CODE
NIGHTS: NAME (LAST, FIRST) MCCARTY, DAVID	PHONE # WITH AREA CODE 562-570-5410	NIGHTS: NAME (LAST, FIRST)	PHONE # WITH AREA CODE

II. PROPERTY OWNER INFORMATION - (MUST BE COMPLETED)

NAME CITY OF LONG BEACH	CARE OF ADDRESSEE INFORMATION
MAILING OR STREET ADDRESS 333 W. OCEAN BLVD., PLAZA LEVEL	☒ BOX TO INDICATE ☐ CORPORATION ☐ INDIVIDUAL ☒ LOCAL AGENCY ☐ STATE AGENCY ☐ PARTNERSHIP ☐ COUNTY AGENCY ☐ FEDERAL AGENCY
CITY NAME LONG BEACH	STATE CA
	ZIP CODE 90802
	PHONE # WITH AREA CODE 562-570-5410

III. TANK OWNER INFORMATION - (MUST BE COMPLETED)

NAME OF OWNER CITY OF LONG BEACH	CARE OF ADDRESSEE INFORMATION
MAILING OR STREET ADDRESS 333 W. OCEAN BLVD., PLAZA LEVEL	☒ BOX TO INDICATE ☐ CORPORATION ☐ INDIVIDUAL ☒ LOCAL AGENCY ☐ STATE AGENCY ☐ PARTNERSHIP ☐ COUNTY AGENCY ☐ FEDERAL AGENCY
CITY NAME LONG BEACH	STATE CA
	ZIP CODE 90802
	PHONE # WITH AREA CODE 562-570-5410

IV. BOARD OF EQUALIZATION UST STORAGE FEE ACCOUNT NUMBER - Call (916) 322-9669 if questions arise.

TY(TK) HQ 44- [] [] [] [] [] []

V. PETROLEUM UST FINANCIAL RESPONSIBILITY - (MUST BE COMPLETED) - IDENTIFY THE METHOD(S) USED

☒ BOX TO INDICATE	☒ 1 SELF-INSURED	☐ 2 GUARANTEE	☐ 3 INSURANCE	☐ 4 SURETY BOND
	☐ 5 LETTER OF CREDIT	☐ 6 EXEMPTION	☐ 7 OTHER	

VI. LEGAL NOTIFICATION AND BILLING ADDRESS Legal notification and billing will be sent to the tank owner unless box I or II is checked.

CHECK ONE BOX INDICATING WHICH ABOVE ADDRESS SHOULD BE USED FOR LEGAL NOTIFICATIONS AND BILLING: I ☐ II ☒ III ☐

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

OWNER'S NAME (PRINTED & SIGNED) John R. Whit	OWNER'S TITLE Project Manager	DATE 1/5/99
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LOCAL AGENCY USE ONLY

COUNTY # 119	JURISDICTION # 0610	FACILITY # [] [] [] [] [] []
LOCATION CODE - OPTIONAL	CENSUS TRACT # - OPTIONAL	SUPVISOR - DISTRICT CODE - OPTIONAL

THIS FORM MUST BE ACCOMPANIED BY AT LEAST ONE OR MORE PERMIT APPLICATION - FORM B, UNLESS THIS IS A CHANGE OF SITE INFORMATION ONLY
OWNER MUST FILE THIS FORM WITH THE LOCAL AGENCY IMPLEMENTING THE UNDERGROUND STORAGE TANK REGULATIONS

STATE WATER RESOURCES CONTROL BOARD
UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM B



COMPLETE A SEPARATE FORM FOR EACH TANK SYSTEM

MARK ONLY ONE ITEM	☐ 1 NEW PERMIT	☐ 3 RENEWAL PERMIT	☐ 5 CHANGE OF INFORMATION	☐ 7 PERMANENTLY CLOSED ON SITE
	☐ 2 INTERIM PERMIT	☐ 4 AMENDED PERMIT	☐ 6 TEMPORARY TANK CLOSURE	☒ 8 TANK REMOVED

DBA OR FACILITY NAME WHERE TANK IS INSTALLED: CITY OF LONG BEACH - PUBLIC SERVICE MAINTENANCE YARD

I. TANK DESCRIPTION COMPLETE ALL ITEMS - SPECIFY IF UNKNOWN

A. OWNER'S TANK I.D.# <u>TANK #1 UL#F185708</u>	B. MANUFACTURED BY: <u>COMWEL CO.</u>
C. DATE INSTALLED (MO/DAY/YEAR) <u>1966</u>	D. TANK CAPACITY IN GALLONS: <u>10,000</u>

II. TANK CONTENTS IF A-1 IS MARKED, COMPLETE ITEM C.

A. ☒ 1 MOTOR VEHICLE FUEL	B. ☒ 1 PRODUCT	C. ☒ 1a REGULAR UNLEADED
☐ 2 PETROLEUM	☐ 2 WASTE	☐ 1b PREMIUM UNLEADED
☐ 3 CHEMICAL PRODUCT		☐ 2 LEADED
☐ 4 OIL		☐ 3 DIESEL
☐ 5 EMPTY		☐ 4 GASAHOL
☐ 6 UNKNOWN		☐ 5 JET FUEL
		☐ 6 AVIATION GAS
		☐ 7 METHANOL
		☐ 99 OTHER (DESCRIBE IN ITEM D. BELOW)

D. IF (A.1) IS NOT MARKED, ENTER NAME OF SUBSTANCE STORED _____ C. A. S. # : _____

III. TANK CONSTRUCTION MARK ONE ITEM ONLY IN BOXES A, B, AND C, AND ALL THAT APPLIES IN BOX D AND E

A. TYPE OF SYSTEM	B. TANK MATERIAL (Primary Tank)	C. INTERIOR LINING
☐ 1 DOUBLE WALL	☒ 1 BARE STEEL	☐ 1 RUBBER LINED
☒ 2 SINGLE WALL	☐ 2 STAINLESS STEEL	☐ 2 ALUM. LINING
☐ 3 SINGLE WALL WITH EXTERIOR LINER	☐ 3 FIBERGLASS	☐ 3 EPOXY LINING
☐ 4 SECONDARY CONTAINMENT (VAULTED TANK)	☐ 4 STEEL CLAD W/ FIBERGLASS REINFORCED PLASTIC	☐ 4 PHENOLIC LINING
	☐ 5 CONCRETE	☐ 5 GLASS LINING
	☐ 6 POLYVINYL CHLORIDE	☐ 6 UNLINED
	☐ 7 ALUMINUM	☐ 7 YES
	☐ 8 BRONZE	☐ 8 NO
	☐ 9 GALVANIZED STEEL	☐ 9 UNKNOWN
	☐ 10 UNKNOWN	☐ 10 OTHER
		☐ 11 OTHER
		☐ 12 OTHER
		☐ 13 OTHER
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		☐ 99 OTHER
		☐ 100 OTHER

E. SPILL AND OVERFILL SPILL CONTAINMENT INSTALLED (YEAR) _____ OVERFILL PREVENTION EQUIPMENT INSTALLED (YEAR) _____

IV. PIPING INFORMATION CIRCLE A IF ABOVE GROUND OR U IF UNDERGROUND, BOTH IF APPLICABLE

A. SYSTEM TYPE	B. CONSTRUCTION	C. MATERIAL AND CORROSION PROTECTION	D. LEAK DETECTION
A ☒ 1 SUCTION	A ☐ 1 SINGLE WALL	A ☐ 1 BARE STEEL	☐ 1 AUTOMATIC LINE LEAK DETECTOR
A ☐ 2 PRESSURE	A ☐ 2 DOUBLE WALL	A ☐ 2 STAINLESS STEEL	☐ 2 LINE THICKNESS TESTING
A ☐ 3 GRAVITY	A ☐ 3 LINED TRENCH	A ☐ 3 POLYVINYL CHLORIDE (PVC)	☐ 3 HYDROSTATIC MONITORING
A ☐ 99 OTHER	A ☐ 99 UNKNOWN	A ☐ 4 FIBERGLASS PIPE	☐ 99 OTHER
	A ☐ 99 OTHER	A ☐ 5 ALUMINUM	
		A ☐ 6 CONCRETE	
		A ☐ 7 STEEL W/ COATING	
		A ☐ 8 100% METHANOL COMPATIBLE W/WRP	
		A ☐ 9 GALVANIZED STEEL	
		A ☐ 10 CATHODIC PROTECTION	
		A ☐ 11 UNKNOWN	
		A ☐ 12 OTHER	

V. TANK LEAK DETECTION

☐ 1 VISUAL CHECK	☐ 2 INVENTORY RECONCILIATION	☐ 3 VAPOR MONITORING	☐ 4 AUTOMATIC TANK GAUGING
☐ 5 TANK TESTING	☐ 6 INTERSTITIAL MONITORING	☐ 7 NONE	☐ 8 UNKNOWN
		☐ 9 OTHER	

VI. TANK CLOSURE INFORMATION

1. ESTIMATED DATE LAST USED (MO/DAY/YR)	2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING _____ GALLONS	3. WAS TANK FILLED WITH INERT MATERIAL? YES ☐ NO ☐
---	--	--

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

APPLICANT'S NAME (PRINTED & SIGNATURE) <u>John R. White</u>	DATE <u>1/5/99</u>
---	--------------------

LOCAL AGENCY USE ONLY THE STATE I.D. NUMBER IS COMPOSED OF THE FOUR NUMBERS BELOW

STATE I.D.#	COUNTY # <u>19</u>	JURISDICTION # <u>000</u>	FACILITY # <u>0000</u>	TANK # <u>000001</u>
PERMIT NUMBER	PERMIT APPROVED BY/DATE		PERMIT EXPIRATION DATE	

THIS FORM MUST BE ACCOMPANIED BY A PERMIT APPLICATION - FORM A, UNLESS A CURRENT FORM A HAS BEEN FILED.
FILE THIS FORM WITH THE LOCAL AGENCY IMPLEMENTING THE UNDERGROUND STORAGE TANK REGULATIONS

STATE WATER RESOURCES CONTROL BOARD
UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM B



COMPLETE A SEPARATE FORM FOR EACH TANK SYSTEM

MARK ONLY ONE ITEM	☐ 1 NEW PERMIT	☐ 3 RENEWAL PERMIT	☐ 6 CHANGE OF INFORMATION	☐ 7 PERMANENTLY CLOSED ON SITE
	☐ 2 INTERIM PERMIT	☐ 4 AMENDED PERMIT	☐ 8 TEMPORARY TANK CLOSURE	☒ 9 TANK REMOVED

DBA OR FACILITY NAME WHERE TANK IS INSTALLED: CITY OF LONG BEACH - PUBLIC SERVICE MAINTENANCE YARD

I. TANK DESCRIPTION COMPLETE ALL ITEMS - SPECIFY IF UNKNOWN 1725 San Francisco

A. OWNER'S TANK I.D. # <u>TANK # 2 UL # D875886</u>	B. MANUFACTURED BY: <u>National Tank & Manufacturing</u>
C. DATE INSTALLED (MO/DAY/YEAR) <u>11/5/59</u>	D. TANK CAPACITY IN GALLONS: <u>10,000</u>

II. TANK CONTENTS IF A-1 IS MARKED, COMPLETE ITEM C.

A. ☒ 1 MOTOR VEHICLE FUEL	☐ 4 OIL	B. ☒ 1 PRODUCT	C. ☐ 16 REGULAR UNLEADED	☒ 2 DIESEL	☐ 6 AVIATION GAS
☐ 2 PETROLEUM	☐ 80 EMPTY	☐ 2 WASTE	☐ 16 PREMIUM UNLEADED	☐ 4 GASOLINE	☐ 7 METHANOL
☐ 3 CHEMICAL PRODUCT	☐ 95 UNKNOWN		☐ 2 LEADED	☐ 5 JET FUEL	☐ 99 OTHER (DESCRIBE IN ITEM D. BELOW)

D. IF (A.1) IS NOT MARKED, ENTER NAME OF SUBSTANCE STORED _____ C.A.S.#: _____

III. TANK CONSTRUCTION MARK ONE ITEM ONLY IN BOXES A, B, AND C, AND ALL THAT APPLIES IN BOX D AND E

A. TYPE OF SYSTEM	☐ 1 DOUBLE WALL	☐ 3 SINGLE WALL WITH EXTERIOR LINER	☐ 85 UNKNOWN
	☒ 2 SINGLE WALL	☐ 4 SECONDARY CONTAINMENT (VAULTED TANK)	☐ 86 OTHER _____
B. TANK MATERIAL (Primary Tank)	☒ 1 BARE STEEL	☐ 2 STAINLESS STEEL	☐ 3 FIBERGLASS
	☐ 5 CONCRETE	☐ 6 POLYVINYL CHLORIDE	☐ 7 ALUMINUM
	☐ 8 BRONZE	☐ 10 GALVANIZED STEEL	☐ 86 UNKNOWN
C. INTERIOR LINING	☐ 1 RUBBER LINED	☐ 2 ALLOY LINING	☐ 3 EPOXY LINING
	☐ 5 GLASS LINING	☐ 6 UNLINED	☐ 16 UNKNOWN
	IS LINING MATERIAL COMPATIBLE WITH 100% METHANOL? YES ___ NO ___		
D. CORROSION PROTECTION	☐ 1 POLYETHYLENE WRAP	☐ 2 COATING	☐ 3 VINYL WRAP
	☐ 5 CATHODIC PROTECTION	☐ 81 NONE	☐ 86 UNKNOWN
E. SPILL AND OVERFILL	SPILL CONTAINMENT INSTALLED (YEAR) _____		OVERFILL PREVENTION EQUIPMENT INSTALLED (YEAR) _____

IV. PIPING INFORMATION CIRCLE A IF ABOVE GROUND OR U IF UNDERGROUND, BOTH IF APPLICABLE

A. SYSTEM TYPE	A ☒ 1 SUCTION	A U ☐ 2 PRESSURE	A U ☐ 3 GRAVITY	A U ☐ 86 OTHER
B. CONSTRUCTION	A U ☐ 1 SINGLE WALL	A U ☐ 2 DOUBLE WALL	A U ☐ 3 LINED TRENCH	A U ☐ 86 UNKNOWN
C. MATERIAL AND CORROSION PROTECTION	A U ☐ 1 BARE STEEL	A U ☐ 2 STAINLESS STEEL	A U ☐ 3 POLYVINYL CHLORIDE (PVC)	A U ☐ 4 FIBERGLASS PIPE
	A U ☐ 5 ALUMINUM	A U ☐ 6 CONCRETE	A U ☐ 7 STEEL W/ COATING	A U ☐ 8 100% METHANOL COMPATIBLE VPP
	A U ☐ 9 GALVANIZED STEEL	A U ☐ 10 CATHODIC PROTECTION	A U ☐ 86 UNKNOWN	A U ☐ 86 OTHER
D. LEAK DETECTION	☐ 1 AUTOMATIC LINE LEAK DETECTOR	☐ 2 LINE TIGHTNESS TESTING	☐ 3 INSPECTION	☐ 86 OTHER

V. TANK LEAK DETECTION

☐ 1 VISUAL CHECK	☐ 2 INVENTORY RECONCILIATION	☐ 3 PROBE MONITORING	☐ 4 AUTOMATIC TANK GAUGING	☐ 5 GROUND WATER MONITORING
☐ 6 TANK TESTING	☐ 7 INTERMITTENT MONITORING	☐ 81 NONE	☐ 86 UNKNOWN	☐ 86 OTHER

VI. TANK CLOSURE INFORMATION

1. ESTIMATED DATE LAST USED (MO/DAY/YR) _____	2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING _____ GALLONS	3. WAS TANK FILLED WITH BEST MATERIAL? YES ☐ NO ☐
---	--	---

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

APPLICANT'S NAME (PRINTED & SIGNED) John R. White DATE 1/5/99

LOCAL AGENCY USE ONLY THE STATE I.D. NUMBER IS COMPOSED OF THE FOUR NUMBERS BELOW

STATE I.D.#	COUNTY # <u>19</u>	JURISDICTION # <u>000</u>	FACILITY # <u>0000</u>	TANK # <u>000002</u>
PERMIT NUMBER	PERMIT APPROVED (DATE)	PERMIT EXPIRATION DATE		

THIS FORM MUST BE ACCOMPANIED BY A PERMIT APPLICATION - FORM A, UNLESS A CURRENT FORM A HAS BEEN FILED.
FILE THIS FORM WITH THE LOCAL AGENCY IMPLEMENTING THE UNDERGROUND STORAGE TANK REGULATIONS

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD
UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM B



COMPLETE A SEPARATE FORM FOR EACH TANK SYSTEM

MARK ONLY ONE ITEM	☐ 1 NEW PERMIT	☐ 2 RENEWAL PERMIT	☐ 3 CHANGE OF INFORMATION	☐ 7 PERMANENTLY CLOSED ON SITE
	☐ 2 INTERIM PERMIT	☐ 4 AMENDED PERMIT	☐ 6 TEMPORARY TANK CLOSURE	☒ 8 TANK REMOVED

DSA OR FACILITY NAME WHERE TANK IS INSTALLED: CITY OF LUNG BENCH - PUBLIC SERVICE MAINTENANCE YARD

I. TANK DESCRIPTION COMPLETE ALL ITEMS - SPECIFY IF UNKNOWN

A. OWNER'S TANK I.D. # <u>TANK # 3 UL # 27606</u>	B. MANUFACTURED BY: <u>JOOR</u>
C. DATE INSTALLED (MO/DAY/YEAR) <u>7/19/88</u>	D. TANK CAPACITY IN GALLONS: <u>1,000</u>

II. TANK CONTENTS IF A-1 IS MARKED, COMPLETE ITEM C.

Tank never used (Originally meant for Solvent)

A. ☐ 1 MOTOR VEHICLE FUEL	☐ 4 OIL	B. ☒ 1 PRODUCT	C. ☐ 1a REGULAR UNLEADED	☐ 3 DIESEL	☐ 6 AMMONIA GAS
☐ 2 PETROLEUM	☐ 5 EMPTY	☐ 2 WASTE	☐ 1b PREMIUM UNLEADED	☐ 4 GASAHOL	☐ 7 METHANOL
☒ 3 CHEMICAL PRODUCT	☐ 6 UNKNOWN		☐ 2 LEADED	☒ 5 JET FUEL	☐ 8 OTHER (DESCRIBE IN ITEM D. BELOW)

D. IF (A.1) IS NOT MARKED, ENTER NAME OF SUBSTANCE STORED: UNKNOWN (REVERTER) C.A.S.#: 10000000

III. TANK CONSTRUCTION MARK ONE ITEM ONLY IN BOXES A, B, AND C, AND ALL THAT APPLIES IN BOX D AND E

A. TYPE OF SYSTEM	☒ 1 DOUBLE WALL	☐ 2 SINGLE WALL WITH EXTERIOR LINER	☐ 3 UNKNOWN
	☒ 2 SINGLE WALL	☐ 4 SECONDARY CONTAINMENT (VAULTED TANK)	☐ 5 OTHER
B. TANK MATERIAL (Primary Tank)	☒ 1 BARE STEEL	☐ 2 STAINLESS STEEL	☐ 3 FIBERGLASS
	☐ 5 CONCRETE	☐ 4 POLYVINYL CHLORIDE	☒ 4 STEEL CLAD W/ FIBERGLASS REINFORCED PLASTIC
	☐ 8 BRONZE	☐ 6 GALVANIZED STEEL	☐ 7 ALUMINUM
C. INTERIOR LINING	☐ 1 RUBBER LINING	☐ 2 ALLOY LINING	☐ 3 EPOXY LINING
	☐ 5 GLASS LINING	☐ 6 UNLINED	☐ 4 PHENOLIC LINING
	IS LINING MATERIAL COMPATIBLE WITH 100% METHANOL? YES ☐ NO ☐		
D. CORROSION PROTECTION	☐ 1 POLYETHYLENE WRAP	☐ 2 COATINGS	☐ 3 VINYL WRAP
	☐ 5 CATHODIC PROTECTION	☐ 6 NONE	☐ 4 FIBERGLASS REINFORCED PLASTIC
		☐ 8 UNKNOWN	☐ 5 OTHER
E. SPILL AND OVERFILL	SPILL CONTAINMENT INSTALLED (YEAR) _____		OVERFILL PREVENTION EQUIPMENT INSTALLED (YEAR) _____

IV. PIPING INFORMATION CIRCLE A IF ABOVE GROUND OR U IF UNDERGROUND, BOTH IF APPLICABLE

A. SYSTEM TYPE	A U 1 SUCTION	A U 2 PRESSURE	A U 3 GRAVITY	A U 4 OTHER
B. CONSTRUCTION	A U 1 SINGLE WALL	A U 2 DOUBLE WALL	A U 3 LINED TRENCH	A U 4 UNKNOWN
C. MATERIAL AND CORROSION PROTECTION	A U 1 BARE STEEL	A U 2 STAINLESS STEEL	A U 3 POLYVINYL CHLORIDE (PVC)	A U 4 FIBERGLASS PIPE
	A U 5 ALUMINUM	A U 6 CONCRETE	A U 7 STEEL WOODWORK	A U 8 100% METHANOL COMPATIBLE W/WRP
	A U 9 GALVANIZED STEEL	A U 10 CATHODIC PROTECTION	A U 11 UNKNOWN	A U 12 OTHER
D. LEAK DETECTION	☐ 1 AUTOMATIC LINE LEAK DETECTOR	☐ 2 LINE THICKNESS TESTING	☐ 3 HYDROSTATIC TESTING	☐ 4 OTHER

V. TANK LEAK DETECTION

☐ 1 VISUAL CHECK	☐ 2 INVENTORY RECONCILIATION	☐ 3 VALVE MONITORING	☐ 4 AUTOMATIC TANK GAUGING	☐ 5 GROUND WATER MONITORING
☐ 6 TANK TESTING	☐ 7 INTERSTITIAL MONITORING	☐ 8 NONE	☐ 9 UNKNOWN	☐ 10 OTHER

VI. TANK CLOSURE INFORMATION

1. ESTIMATED DATE LAST USED (MO/DAY/YR)	2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING _____ GALLONS	3. WAS TANK FILLED WITH NEW MATERIAL? YES ☐ NO ☐
---	--	--

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

APPLICANT'S NAME (PRINTED & SIGNED) John R. White DATE 1/5/99

LOCAL AGENCY USE ONLY THE STATE I.D. NUMBER IS COMPOSED OF THE FOUR NUMBERS BELOW

STATE I.D. #	COUNTY # <u>11</u>	JURISDICTION # <u>060</u>	FACILITY # <u>0000</u>	TANK # <u>000003</u>
PERMIT NUMBER	PERMIT APPROVED SIGNATURE	PERMIT EXPIRATION DATE		

THIS FORM MUST BE ACCOMPANIED BY A PERMIT APPLICATION - FORM A, UNLESS A CURRENT FORM A HAS BEEN FILED.
FILE THIS FORM WITH THE LOCAL AGENCY IMPLEMENTING THE UNDERGROUND STORAGE TANK REGULATIONS

500 - Gallon Kerosene
UST (#4)

BUREAU OF FIRE PREVENTION

DEPARTMENT OF FIRE • 400 WEST BROADWAY • LONG BEACH, CA 90802

APPLICATION AND PERMIT TO REMOVE OR ABANDON STORAGE TANK(S)

ANY TANK(S) USED FOR THE STORAGE OF ANY HAZARDOUS AND/OR FLAMMABLE LIQUIDS

NOTRA-000432

ACCT. NO.

PROPERTY OWNER CITY OF LONG BEACH PHONE 213-590-6361ADDRESS 333 OCEAN BLVD LONG BEACHFACILITY NAME CITY YARD PHONE _____FACILITY ADDRESS 1725 SAN FRANCISCO Bob NASH

TYPE OF BUSINESS _____ OCC. CLASS _____

OPERATOR/TENANT/SUPERVISOR CITY OF LONG BEACH RES. PHONE _____

RES. ADDRESS _____

TOTAL NO. OF EXISTING TANKS

ABOVE GRND _____ UNDER GRND ① LAST/PRIOR INSTALLATION PERMIT NO. N/A

NO. OF TANKS TO BE REMOVED/ABANDONED

ABOVE GRND _____ UNDER GRND ① TANK CONST. MATERIAL STEELNAME OF CONTRACTOR MARINE CONTRACTORS CITY BUS. LIC. NO. 880125ADDRESS P.O. BOX 517 FONTANA CALIF. 92334 PHONE 714-823-7229CONTRACTORS LIC # 465796 CLASS 4This application and permit is for the removal ☒ abandonment _____ of tank(s) identified on this form, and shall only be valid and in force for a maximum of ten (10) working days from date of application.

Permittee or his authorized agent shall notify the Hazardous Materials Unit, Long Beach Health Department, Phone No. (213) 427-7421 and Bureau of Fire Prevention, Long Beach Fire Department, Phone No. (213) 435-2458 a minimum of 72 hours prior to the removal or filling of any tank(s). An official from each of these two departments shall be present at the job site to witness the removal or filling of any and all tanks. All directions made/given by these City officials shall be complied within a timely and reasonable fashion.

When any underground storage tank(s) is/are removed from the ground, the resulting excavated site shall be secured in an approved manner until filled. Any excavation shall be temporarily backfilled or enclosed by a fence with a minimum height of six (6) feet. If the foregoing security measures are not feasible, a security guard shall be provided, until the completion of the permit, by the permittee and at the expense of the permittee. The structural integrity of the tank(s) shall be maintained during removal and transport. Tank(s) removed from the ground are not permitted to remain at the site or within the City limits overnight. No temporary or permanent storage of any used hazardous or flammable liquids/materials storage tank(s) is/are permitted within the City limits of Long Beach.

The removal or filling of any tank(s) shall be in accordance with Long Beach Municipal Code, Title 18.48; California State Health and Safety Code, Division 20, Chapter 6.5; the Uniform Fire Code, Articles 79 and 80; and LBFD Fire Prevention Requirements, the 14 series.

I, THE UNDERSIGNED, HAVE READ COMPLETELY AND FULLY UNDERSTAND THE ABOVE LONG BEACH FIRE DEPARTMENT REQUIREMENTS WHICH APPLY TO THIS APPLICATION AND PERMIT. I, THE UNDERSIGNED, ATTEST TO THE BEST OF MY KNOWLEDGE, UNDER THE PENALTY OF PERJURY, THAT THE ABOVE PROVIDED INFORMATION IS TRUE AND CORRECT. I, THE UNDERSIGNED, ACCEPT THE CONDITION THAT ANY DEVIATION(S) FROM AND/OR MISINFORMATION ON THIS FORM WILL RENDER THIS APPLICATION AND PERMIT NULL AND VOID.

APPLICANT SIGNATURE [Signature] DATE 6-30-88PRINTED NAME VICTOR S. CUEN TITLE Supt. PHONE 714-823-7229APPLICATION APPROVED ☒ DENIED _____ BY [Signature] DATE 7-5-88

LBFD Fire Prevention Official

FOR FIRE DEPARTMENT USE ONLY

TANK(S) UL NO #1 _____ #2 _____ #3 _____ #4 _____

TANK CAPACITY #1 _____ #2 _____ #3 _____ #4 _____

FINAL INSPECTION BY _____

LBFD Fire Prevention Official witnessing tank removal or filling

COPY DISTRIBUTION

WHITE: LBFD Bureau of Fire Prevention
GREEN: LBHD Hazardous Materials UnitCANARY: extra copy
PINK: applicant's copyGOLDENROD: property owner's copy
FR-29 (8/1/85)

TYPE OR USE BLACK INK ONLY

RECEIVED
JUL 01 1988
BUREAU OF FIRE PREVENTION

CITY OF LONG BEACH — DEPARTMENT OF FIRE

BUREAU OF FIRE PREVENTION

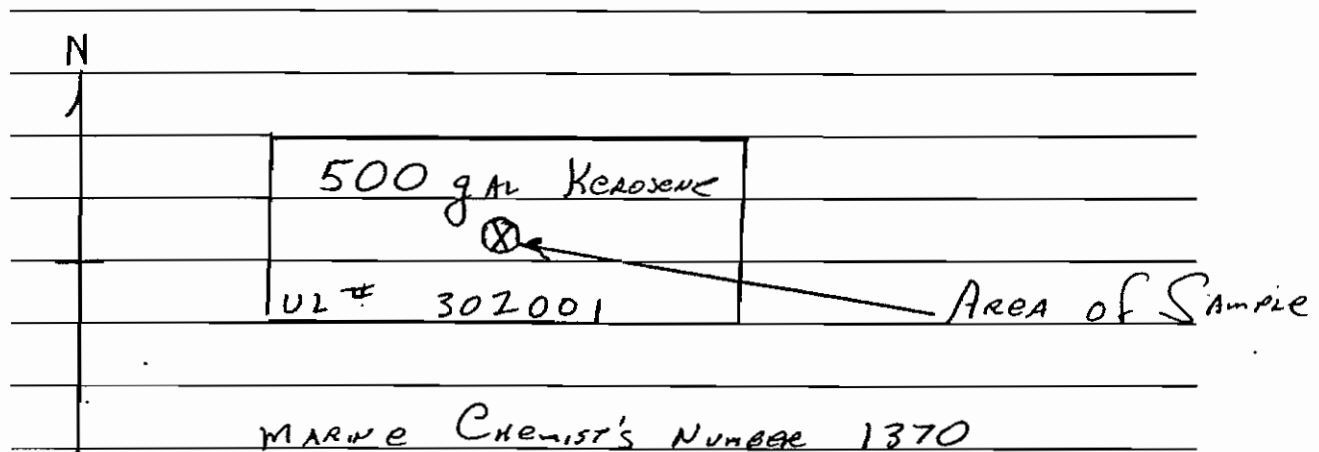
Phone: 435-2458

INSPECTION NOTICE

Date 7-6-88NAME SAN FRANCISCO YARD (City of Long Beach)ADDRESS 1725 San Francisco Ave.

In accordance with the provisions of LBMC 18.48.010 an inspection of the above premises has been made; the following corrections are necessary to provide reasonable fire safety:

- Item # Remove one underground storage tank
and take a soil sample as indicated at a
 Item # depth of 3' to 5' beneath tank. Test for contents
and provide L.B. Health and L.B. Fire Prevention
 Item # with final soil analysis.



MARINE CONTRACTORS

PINK HANDOUT ISSUED ☐X
Rec'd☐

1st NOTICE

☐

FINAL NOTICE

The above must be complied with within _____ days to avoid subsequent action.

Wayne Swenson
 INSPECTOR NAME (PRINT)

FP
 STA/SHIFT

BACTERIOLOGY
WATER TESTING
HAZARDOUS WASTE TESTING
CALIF. DHS CERTIFIED
PHONE (714) 684-1881
LABORATORIES
3215 CHICAGO AVE.

ESTABLISHED 1906
EDWARD S. BABCOCK & SONS, INC.
P.O. BOX 432
RIVERSIDE, CALIFORNIA 92502



07/14/88

To: Marine Contractors
P.O. Box 517
Fontana, CA 92334
823-7229
Attn: Andy

Lab No. 880707-375
Invoice No. 92014

Submitted Sampled

Sample Marked: City Yard 1725 San Francisco
Soil

By Victor AN
Date 7/7/88 7/6
Time 1120 1315

PARAMETER

RESULT

EPA Method 418.1
soil extention
Total Petroleum
Hydrocarbons

16000 ug/g

Date Completed: 7/11

cc: Long Beach Health Dept.

EDWARD S. BABCOCK & SONS, INC.

Allison Mackenzie

1725

6-30-88
Date

I VICTOR S. CHEN of
Contractor or Assigned Agent
MARINE CONTRACTOR.
Contracting Company

State Contractor's Lic.# 469796 Type: CLASS "A"

Expiration Date: _____

Have been assigned to obtain necessary permits and regulations for the
Removal of Underground Tank(s) located at 1725 San Francisco Long Beach
Address of Site

I have received copies of Long Beach Fire Prevention Requirement #14.103(12/87) and Long Beach Health Department Soil/Groundwater Laboratory Analysis Requirement, and Long Beach Health Department Laboratory Quality Control Report.

I also understand that I must have an APPROVED COPY of the "Application and Permit to Remove or Abandon Storage Tank(s) PRIOR to removing tank.

Permittee or his authorized agent shall notify the Underground Storage Unit, Bureau of Fire Prevention, Phone (213) 435-2458 a minimum of 72 hours prior to the start of any work for the removal of a tank, for an appointment to have a Fire Prevention Inspector on site.

NOTE: ABSOLUTELY NO COMMENCEMENT OF WORK ON SITE UNTIL TANKS HAVE BEEN "ICED" IN THE PRESENCE OF A L.B.F.D. INSPECTOR.

It will be necessary to obtain appropriate samples from underneath tank(s) immediately upon removal of tank. Contact Mr. Dick Smith, Hazardous Waste Officer, Long Beach Health Department, Phone (213) 427-7421 if you have any questions.

I certify that I have read and understand the preceding information, and have received the requirements mentioned above. This information will be given to actual persons performing tank removal PRIOR to start of work, and a copy of each requirement/permit/report must be on the job site.

NOTE: As per Long Beach Fire Department Fee Schedule PC-12, if the above requirements are not met when the Fire Prevention Officer arrives on the scene for the tank removal, you will be required to reschedule the appointment and pay a \$100.00 reinspection fee.

[Signature]
Signature of Applicant

Rev. 12/3/87

PHONE 684-1881
AREA CODE 714

LABORATORIES
5 CHICAGO AVE.

EDWARD S. BABCOCK & SONS. INC.

P. O. BOX 432
RIVERSIDE, CALIFORNIA 92502

AGRICULTURAL CONSULTANTS
CHEMISTS
APPROVED WATER LABORATORY



MEMORANDUM

DATE August 10, 1988

FROM Lawrence J. Chrystal

TO Marine Contractors
P.O. Box 517
Fontana, CA 92334

RE Long Beach City Yard
Soil Analyses

The soil samples brought to our laboratories on July 7, 1988 were analyzed for Total Petroleum Hydrocarbons using EPA Method 418.1 (modified for soils) with the following results:

City Yard #1 2901 Willow St. 2ft South End 110,000 ug/g
City Yard #2 2901 Willow St. 2ft North End 17,000 ug/g
City Yard 1725 San Francisco 16,000 ug/g

These samples were re-analyzed on a separate day in order to confirm the original results. The rechecks did confirm. All the calculations were double-checked. There were no transcription errors. Therefore, we have NO changes to make in the original reporting of the results.

Lawrence J. Chrystal

cc: Long Beach Health Dept. Attn: Dick Smith



MEMORANDUM



date August 30, 1988
to Richard E. Smith, Hazardous Waste Officer
from Edward T. Putz, Acting City Engineer *EP*
subject LEAKING TANK/SITE CHARACTERIZATION - 1725 SAN FRANCISCO AVENUE

This is in response to your request to submit an application for a Site Characterization Permit and initiate a site characterization report for the subject site.

It is our understanding that the total San Francisco Avenue site is currently under investigation for further redevelopment. Unless further directed by your Department we will wait until a final decision has been made to make a site assessment on the complete parcel.

WJP/ARA/ch
26.11

MEMORANDUM



date October 24, 1988

to Ed Putz, Acting City Engineer

from Richard E. Smith, Hazardous Waste Operations Officer

subject CONTAMINATED SITE/SITE CHARACTERIZATION: 1725 SAN FRANCISCO

The Long Beach City Health Department has received the result of the soil analysis indicating that a discharge of a hazardous waste has occurred at the above referenced location.

In order to comply with the State of California Hazardous Waste Control Act and the Long Beach City Ordinance for Hazardous Materials Cleanup, it is required that you submit an application for a Site Characterization Permit and an Initial Site Characterization Report.

The purpose of the Site Characterization includes:

1. Identifying the discharged waste.
2. Defining the horizontal and vertical extent of the contamination.
3. Determining if the groundwater or surface waters have been impaired.
4. The report must be signed by a California Registered Geologist or a California Certified Engineering Geologist, or a California Registered Civil Engineer with sufficient experience in soils.

A minimum of three borings, taken below or next to the underground tank or the area previously occupied by the underground tank, shall be used for soil sampling to check for lateral as well as vertical movement of contaminants in the soil. Additional borings may be necessary in some cases. The borings shall extend through the entire depth of contaminated soil. All abandoned boreholes shall be sealed with appropriate grout formulations.

Soil samples should be taken from the borings at consistent intervals of five feet to develop a complete profile of the soil contamination. If a dissimilar layer of soil is found to exist entirely between the five feet sampling intervals, a sample from this layer shall be taken and analyzed.

October 24, 1988
Ed Putz, Acting City Engineer
Page Two

When ground water is shallow enough to be reached using available equipment (i.e., less than 30 feet), it is appropriate to install ground water (monitoring) wells.

I have enclosed a permit application, application information and a copy of the Site Characterization/Site Remediation Ordinance. There is no permit fee, however, you will be billed by the City of Long Beach at a rate of \$42.00 per hour for Health Department Personnel time involved with this project until the cleanup has been completed.

The permit application process is to be completed by November 21, 1988.

After a site has been characterized the next phase is site remediation or cleanup. A permit will be required for this also.

You should also be aware of the South Coast Air Quality Management District's Rule 1166, regarding volatile organic compound (VOC) emissions from contaminated soil. If you are going to treat or handle VOC - contaminated soil, you must notify the South Coast Air Quality Management District Executive Officer by telephone within 24 hours of detection of the VOC - contaminated soil and comply with their requirements.

If any further information is required, please contact Suzanne Gandy at (213) 427-7421, Environmental Health between the hours of 8 a.m. and 9:00 a.m. or 4:00 p.m. and 5:00 p.m.

RS/da

MEMORANDUM



date November 29, 1988
to Richard E. Smith, Hazardous Waste Officer
from Edward T. Putz, Acting City Engineer *ef*
subject LEAKING TANK/SITE CHARACTERIZATION - 1725 SAN FRANCISCO AVENUE

This is in response to your request to submit an application for a Site Characterization Permit and initiate a site characterization report for the subject site.

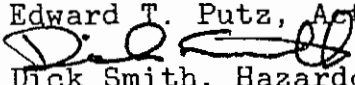
Please be advised that the subject fuel tank is in the close proximity of two other tanks which are scheduled to be replaced in the very near future (See attached aerial photograph). It is our understanding that the site characterization shall be initiated on the complete parcel after the other two tanks are removed.

WJP/ARA/ch
26.11





MEMORANDUM

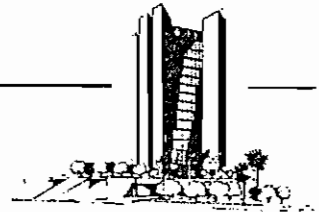
date December 12, 1988
to Edward T. Putz, Acting City Engineer
from  Dick Smith, Hazardous Waste Operations Officer
subject LEAKING UNDERGROUND STORAGE TANK SITE CHARACTERIZATION
1725 SAN FRANCISCO AVENUE, LONG BEACH

I have received your memorandum regarding the above referenced subject stating that Site Characterization will be initiated when the remaining two(2) tanks are removed.

This is acceptable to this department, therefore we will consider the matter pending until the removal of the two(2) tanks.

RS/da

M. MORANDUM



date November 9, 1990
to Ed Putz, City Engineer, Department of Public Works
from Richard E. Smith, Hazardous Waste Operations Officer, Department of Health and Human Services -
subject **1725 SAN FRANCISCO AVENUE**

A review of the Long Beach City Department of Health and Human Services Leaking Underground Storage Tank file for the above referenced facility reveals that there has been no assessment or remedial activity since November 29, 1988.

In order to keep our file up to date, would you contact the individual designated in the last paragraph of this letter and inform her of your intentions to complete the required work.

Please contact Cheryl Sandel, Hazardous Materials Specialist I by December 5, 1990, at (213) 427-7421, any weekday between the hours of 8:00 a.m. to 9:00 a.m. or 4:00 p.m. to 5:00 p.m.

RS/da

cc: Long Beach Fire Prevention Bureau

- is required

Notes: Based on present closure guidance for low risk fuel contamination site fact sheet issued by the California Regional WQCB, Los Angeles Region. this site is low risk there fore no further action



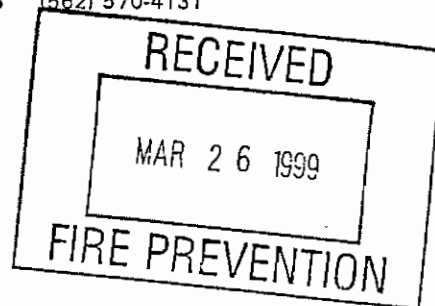
JOINT POWERS AGENCY
LONG BEACH/SIGNAL HILL

Unified Program Agency



2525 Grand Avenue • Long Beach, California 90815 • (562) 570-4131

March 25, 1999



Mr. David McCarthy
Public Service Yard
1725 San Francisco Avenue
Long Beach, California 90813

Re: 1725 San Francisco Avenue, Long Beach

Dear Mr. McCarthy:

This letter confirms the completion of the removal of two (2) 10,000 gallon, one (1) 1,000 gallon and one (1) 500 gallon underground storage tank(s) formerly located at the above described location.

Based on the information in the above referenced file and with the provision that the information provided to this agency was accurate and representative of site conditions, no further action related to the underground storage tank removal is required.

This notice is issued pursuant to a regulation contained in Section 2721(e) of Title 23 of the California Code of Regulations.

Please contact me at 562/570-4128 if you have any questions regarding this matter.

Sincerely,

Jeff Benedict, R.E.H.S., M.P.A.
Hazardous Waste Operations Officer

cc: Long Beach Fire Prevention Bureau
McLaren Hart, Inc.

sat let

550-Gallon Gasoline
UST (#5)

PROJECT # 194914
(Dept. Use Only)DATE 6/26/95

PLEASE PRINT

TYPE OF PLANS: (Put an X in front)

☐ Building/New Construction (BNC) ☐ Building/Tenant Improvement (BTI)
☐ Sprinkler/New Construction (SPNC) ☐ Sprinkler/Tenant Improvement (SPTI)
☐ Fire Alarm (FA) ☐ Spray Booth (SB) Number of Sprinkler Heads _____
☐ Dry Chemical (DC) ☐ Halon (H)
☐ Above Ground Tanks (AGT) ☒ Underground Tanks (UT)
 Other: _____ (MISC)

City of Long Beach Towing operation
PROJECT NAME**-REMOVAL-**901 W ANAHEIM ST
PROJECT ADDRESSLONG BEACH
CITYUST Removal
DESCRIPTION OF WORKMANESS ENVIRONMENTAL
APPLICANT/CONTRACTOR310-595-4555
PHONE #310 492-6495
FAX #1101 E Spring St LB
ADDRESS CITYCA 90806
STATE ZIP CODE553633 AB HAY
STATE LIC. NO. CLASS1-31-95
EXPIRATION DATEB696006/30
CITY BUS. LIC. NO.10-1-95
EXPIRATION DATECity of Long Beach Towing operation
CURRENT BUILDING USE

PROPOSED BUILDING USE

OCCUPANCY SQUARE FOOTAGE TYPE OF CONSTRUCTION

WORKER'S COMPENSATION INSURANCE:

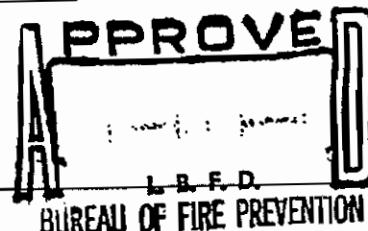
COVERED ☒ NOT COVERED ☐ IF NOT COVERED EXPLAIN _____*****
(Fire Prevention Office Use Only)Plan Review Checked By: [Signature] Date 7-20-95

Plan Review Fees: _____

Approved Date: _____

Status Information _____

Dan



STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD
UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM A



COMPLETE THIS FORM FOR EACH FACILITY/SITE

MARK ONLY ONE ITEM ☐ 1 NEW PERMIT ☐ 2 INTERIM PERMIT ☐ 3 RENEWAL PERMIT ☐ 4 AMENDED PERMIT ☐ 5 CHANGE OF INFORMATION ☐ 6 TEMPORARY SITE CLOSURE ☐ 7 PERMANENTLY CLOSED SITE

I. FACILITY/SITE INFORMATION & ADDRESS - (MUST BE COMPLETED)

DBA OR FACILITY NAME <u>City of Long Beach Towing operation</u>		NAME OF OPERATOR	
ADDRESS <u>901 W Anaheim</u>		NEAREST CROSS STREET	PARCEL # (OPTIONAL)
CITY NAME <u>Long Beach</u>		STATE <u>CA</u>	ZIP CODE
SITE PHONE # WITH AREA CODE			
☒ BOX TO INDICATE ☐ CORPORATION ☐ INDIVIDUAL ☐ PARTNERSHIP ☐ LOCAL AGENCY DISTRICTS* ☐ COUNTY AGENCY* ☐ STATE AGENCY* ☐ FEDERAL AGENCY*			
* If owner of UST is a public agency, complete the following: name of Supervisor of division, section, or office which operates the UST			
TYPE OF BUSINESS ☐ 1 GAS STATION ☐ 2 DISTRIBUTOR ☐ 3 FARM ☐ 4 PROCESSOR ☒ 5 OTHER		☐ IF INDIAN RESERVATION OR TRUST LANDS	# OF TANKS AT SITE <u>1</u>
		E. P. A. I. D. # (optional)	<u>CA 000 086 241</u>

EMERGENCY CONTACT PERSON (PRIMARY)

EMERGENCY CONTACT PERSON (SECONDARY) - optional

DAYS: NAME (LAST, FIRST)	PHONE # WITH AREA CODE	DAYS: NAME (LAST, FIRST)	PHONE # WITH AREA CODE
NIGHTS: NAME (LAST, FIRST)	PHONE # WITH AREA CODE	NIGHTS: NAME (LAST, FIRST)	PHONE # WITH AREA CODE

II. PROPERTY OWNER INFORMATION - (MUST BE COMPLETED)

NAME <u>City of Long Beach</u>	CARE OF ADDRESS INFORMATION		
MAILING OR STREET ADDRESS <u>333 Ocean Blvd</u>	☒ box to indicate ☐ INDIVIDUAL ☒ LOCAL AGENCY ☐ STATE AGENCY ☐ CORPORATION ☐ PARTNERSHIP ☐ COUNTY AGENCY ☐ FEDERAL AGENCY		
CITY NAME <u>Long Beach</u>	STATE <u>CA</u>	ZIP CODE <u>90802</u>	PHONE # WITH AREA CODE

III. TANK OWNER INFORMATION - (MUST BE COMPLETED)

NAME OF OWNER <u>City of Long Beach</u>	CARE OF ADDRESS INFORMATION		
MAILING OR STREET ADDRESS <u>333 Ocean Blvd</u>	☒ box to indicate ☐ INDIVIDUAL ☐ LOCAL AGENCY ☐ STATE AGENCY ☐ CORPORATION ☐ PARTNERSHIP ☐ COUNTY AGENCY ☐ FEDERAL AGENCY		
CITY NAME <u>Long Beach</u>	STATE <u>CA</u>	ZIP CODE <u>90802</u>	PHONE # WITH AREA CODE

IV. BOARD OF EQUALIZATION UST STORAGE FEE ACCOUNT NUMBER - Call (916) 322-9669 if questions arise.

TY(TK) HQ 44 -

V. PETROLEUM UST FINANCIAL RESPONSIBILITY - (MUST BE COMPLETED) - IDENTIFY THE METHOD(S) USED

☒ box to indicate	☒ 1 SELF-INSURED	☐ 2 GUARANTEE	☐ 3 INSURANCE	☐ 4 SURETY BOND
	☐ 5 LETTER OF CREDIT	☐ 6 EXEMPTION	☐ 99 OTHER	

VI. LEGAL NOTIFICATION AND BILLING ADDRESS Legal notification and billing will be sent to the tank owner unless box I or II is checked.

CHECK ONE BOX INDICATING WHICH ABOVE ADDRESS SHOULD BE USED FOR LEGAL NOTIFICATIONS AND BILLING:	I. ☐	II. ☒	III. ☐
--	-----------------------------	---	-------------------------------

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

OWNER'S NAME (PRINTED & SIGNED) <u>David F. [Signature]</u>	OWNER'S TITLE <u>Public Works</u>	DATE MONTH/DAY/YEAR <u>6-26-56</u>
--	--------------------------------------	---------------------------------------

LOCAL AGENCY USE ONLY

COUNTY # <u> </u>	JURISDICTION # <u> </u>	FACILITY # <u> </u>
LOCATION CODE - OPTIONAL	CENSUS TRACT # - OPTIONAL	SUPVISOR - DISTRICT CODE - OPTIONAL

THIS FORM MUST BE ACCOMPANIED BY AT LEAST (1) OR MORE PERMIT APPLICATION - FORM B, UNLESS THIS IS A CHANGE OF SITE INFORMATION ONLY.

OWNER MUST FILE THIS FORM WITH THE LOCAL AGENCY IMPLEMENTING THE UNDERGROUND STORAGE TANK REGULATIONS

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD
UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM B



COMPLETE A SEPARATE FORM FOR EACH TANK SYSTEM.

MARK ONLY ONE ITEM	☐ 1 NEW PERMIT	☐ 3 RENEWAL PERMIT	☐ 5 CHANGE OF INFORMATION	☐ 7 PERMANENTLY CLDSED ON SITE
	☐ 2 INTERIM PERMIT	☐ 4 AMENDED PERMIT	☐ 6 TEMPORARY TANK CLDSURE	☐ 8 TANK REMOVED

DBA OR FACILITY NAME WHERE TANK IS INSTALLED: City of Long Beach Towing operation

I. TANK DESCRIPTION COMPLETE ALL ITEMS - SPECIFY IF UNKNOWN

A. OWNER'S TANK I.O. #	B. MANUFACTURED BY:
C. DATE INSTALLED (MO/DAY/YEAR)	D. TANK CAPACITY IN GALLONS: <u>500</u>

II. TANK CONTENTS IFA-1 IS MARKED, COMPLETE ITEM C.

A. ☒ 1 MOTOR VEHICLE FUEL ☐ 2 PETROLEUM ☐ 3 CHEMICAL PRODUCT	☐ 4 OIL ☐ 80 EMPTY ☐ 95 UNKNOWN	B. ☒ 1 PRODUCT ☐ 2 WASTE	C. ☐ 1a REGULAR UNLEADED ☐ 1b PREMIUM UNLEADED ☐ 2 LEADED	☒ 3 DIESEL ☐ 4 GASAHOL ☐ 5 JET FUEL ☐ 99 OTHER (DESCRIBE IN ITEM D. BELOW)	☐ 6 AVIATION GAS ☐ 7 METHANOL
D. IF (A.1) IS NOT MARKED, ENTER NAME OF SUBSTANCE STORED			C. A.S. #:		

III. TANK CONSTRUCTION MARK ONE ITEM ONLY IN BOXES A, B, AND C, AND ALL THAT APPLIES IN BOX D AND E

A. TYPE OF SYSTEM ☐ 1 DOUBLE WALL ☒ 2 SINGLE WALL	☐ 3 SINGLE WALL WITH EXTERIOR LINER ☐ 4 SECONDARY CONTAINMENT (VAULTED TANK) ☐ 95 UNKNOWN ☐ 99 OTHER		
B. TANK MATERIAL (Primary Tank) ☒ 1 BARE STEEL ☐ 5 CONCRETE ☐ 9 BRONZE	☐ 2 STAINLESS STEEL ☐ 6 POLYVINYL CHLORIDE ☐ 10 GALVANIZED STEEL	☐ 3 FIBERGLASS ☐ 7 ALUMINUM ☐ 95 UNKNOWN	☐ 4 STEEL CLAD W/ FIBERGLASS REINFORCED PLASTIC ☐ 8 100% METHANOL COMPATIBLE W/FRP ☐ 99 OTHER
C. INTERIOR LINING ☐ 1 RUBBER LINED ☐ 5 GLASS LINING	☐ 2 ALKYO LINING ☐ 6 UNLINED	☐ 3 EPOXY LINING ☒ 95 UNKNOWN	☐ 4 PHENOLIC LINING ☐ 99 OTHER
IS LINING MATERIAL COMPATIBLE WITH 100% METHANOL? YES ☐ NO ☐			
D. CORROSION PROTECTION ☐ 1 POLYETHYLENE WRAP ☐ 5 CATHODIC PROTECTION	☐ 2 COATING ☐ 91 NONE	☐ 3 VINYL WRAP ☒ 95 UNKNOWN	☐ 4 FIBERGLASS REINFORCED PLASTIC ☐ 99 OTHER
E. SPILL AND OVERFILL SPILL CONTAINMENT INSTALLED (YEAR) _____		OVERFILL PREVENTION EQUIPMENT INSTALLED (YEAR) _____	

IV. PIPING INFORMATION CIRCLE A IF ABOVE GROUND OR U IF UNDERGROUND, BOTH IF APPLICABLE

A. SYSTEM TYPE	A U 1 SUCTION	A U 2 PRESSURE	A U 3 GRAVITY	A U 99 OTHER <u>Unknown</u>
B. CONSTRUCTION	A U 1 SINGLE WALL	A U 2 DOUBLE WALL	A U 3 LINED TRENCH	A U 95 UNKNOWN A U <u>99</u> OTHER
C. MATERIAL AND CORROSION PROTECTION	A U 1 BARE STEEL	A U 2 STAINLESS STEEL	A U 3 POLYVINYL CHLORIDE (PVC)	A U 4 FIBERGLASS PIPE
	A U 5 ALUMINUM	A U 6 CONCRETE	A U 7 STEEL W/ COATING	A U 8 100% METHANOL COMPATIBLE W/FRP
	A U 9 GALVANIZED STEEL	A U 10 CATHODIC PROTECTION	<u>A U</u> 95 UNKNOWN	A U 99 OTHER
D. LEAK DETECTION	☐ 1 AUTOMATIC LINE LEAK DETECTOR	☐ 2 LINE TIGHTNESS TESTING	☐ 3 INTERSTITIAL MONITORING	☐ 99 OTHER

V. TANK LEAK DETECTION

☐ 1 VISUAL CHECK	☐ 2 INVENTORY RECONCILIATION	☐ 3 VADOZE MONITORING	☐ 4 AUTOMATIC TANK GAUGING	☐ 5 GROUND WATER MONITORING
☐ 6 TANK TESTING	☐ 7 INTERSTITIAL MONITORING	☐ 91 NONE	☐ 95 UNKNOWN	☐ 99 OTHER

VI. TANK CLOSURE INFORMATION

1. ESTIMATED DATE LAST USED (MO/DAY/YR)	2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING <u>25</u> GALLONS	3. WAS TANK FILLED WITH INERT MATERIAL? YES ☒ NO ☐
---	--	---

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

APPLICANT'S NAME
(PRINTED & SIGNATURE)

DANIEL F. [Signature]

DATE

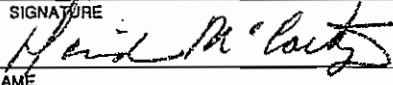
6-26-95

LOCAL AGENCY USE ONLY THE STATE I.D. NUMBER IS COMPOSED OF THE FOUR NUMBERS BELOW

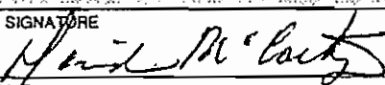
STATE I.D. #	COUNTY #	JURISDICTION #	FACILITY #	TANK #
PERMIT NUMBER	PERMIT APPROVED BY/DATE		PERMIT EXPIRATION DATE	

THIS FORM MUST BE ACCOMPANIED BY A PERMIT APPLICATION - FORM A, UNLESS A CURRENT FORM A HAS BEEN FILED.
FILE THIS FORM WITH THE LOCAL AGENCY IMPLEMENTING THE UNDERGROUND STORAGE TANK REGULATIONS

UNDERGROUND STORAGE TANK UNAUTHORIZED RELEASE (LEAK) / CONTAMINATION SITE REPORT

EMERGENCY ☐ YES ☒ NO		HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED? ☐ YES ☐ NO		FOR LOCAL AGENCY USE ONLY I HEREBY CERTIFY THAT I HAVE DISTRIBUTED THIS INFORMATION ACCORDING TO THE DISTRIBUTION SHOWN ON THE INSTRUCTION SHEET ON THE BACK PAGE OF THIS FORM.	
REPORT DATE 08/04/95		CASE # (310) 570-5410		SIGNED _____ DATE _____	
REPORTED BY	NAME OF INDIVIDUAL FILING REPORT REPRESENTING ☐ OWNER/OPERATOR ☐ REGIONAL BOARD ☐ LOCAL AGENCY ☒ OTHER <u>Delegate</u>			PHONE (310) 570-5410	
	COMPANY OR AGENCY NAME Fleet Services Bureau			SIGNATURE 	
	ADDRESS 2801 E. Willow St. Long Beach CA 90806				
RESPONSIBLE PARTY	NAME City of Long Beach A Municipal Corporation ☐ UNKNOWN			CONTACT PERSON Robert Metzger	
	ADDRESS 333 W. Ocean Blvd Long Beach CA 90802			PHONE (310) 570-6277	
SITE LOCATION	FACILITY NAME (IF APPLICABLE) Public Service Yard			OPERATOR Department of Pub. Works	
	ADDRESS 1725 San Francisco Ave Long Beach CA 90803			PHONE (310) 570-2714	
	CROSS STREET Pacific Coast Highway				
IMPLEMENTING AGENCIES	LOCAL AGENCY Long Beach Fire Prevention			CONTACT PERSON Inspector Tom Hays	
	REGIONAL BOARD Ca. Water Resources, S.W. Dist.			PHONE (310) 570-2561 (213) 266-7500	
SUBSTANCES INVOLVED	(1) NAME Motor Oil (New)			QUANTITY LOST (GALLONS) 110 ☐ UNKNOWN	
	(2) _____ ☐ UNKNOWN				
DISCOVERY/ABATEMENT	DATE DISCOVERED 08/04/95		HOW DISCOVERED ☒ INVENTORY CONTROL ☐ SUBSURFACE MONITORING ☐ NUISANCE CONDITIONS ☐ TANK TEST ☐ TANK REMOVAL ☐ OTHER		
	DATE DISCHARGE BEGAN 08/03/95 ☐ UNKNOWN		METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY) ☒ REMOVE CONTENTS ☐ CLOSE TANK & REMOVE ☐ REPAIR PIPING ☐ REPAIR TANK ☐ CLOSE TANK & FILL IN PLACE ☒ CHANGE PROCEDURE ☐ REPLACE TANK ☐ OTHER		
	HAS DISCHARGE BEEN STOPPED? ☒ YES ☐ NO IF YES, DATE 08/04/95				
SOURCE/CAUSE	SOURCE OF DISCHARGE ☐ TANK LEAK ☐ UNKNOWN ☒ PIPING LEAK ☐ OTHER		CAUSE(S) ☐ OVERFILL ☒ RUPTURE/FAILURE ☐ SPILL ☐ CORROSION ☐ UNKNOWN ☐ OTHER		
	CASE TYPE ☒ UNDETERMINED ☐ SOIL ONLY ☐ GROUNDWATER ☐ DRINKING WATER - (CHECK ONLY IF WATER WELLS HAVE ACTUALLY BEEN AFFECTED)				
CURRENT STATUS	CHECK ONE ONLY ☐ NO ACTION TAKEN ☐ PRELIMINARY SITE ASSESSMENT WORKPLAN SUBMITTED ☐ POLLUTION CHARACTERIZATION ☐ LEAK BEING CONFIRMED ☒ PRELIMINARY SITE ASSESSMENT UNDERWAY ☐ POST CLEANUP MONITORING IN PROGRESS ☐ REMEDIATION PLAN ☐ CASE CLOSED (CLEANUP COMPLETED OR UNNECESSARY) ☐ CLEANUP UNDERWAY				
	REMEDIAL ACTION CHECK APPROPRIATE ACTION(S) (SEE BACK FOR DETAILS) ☐ CAP SITE (CD) ☐ EXCAVATE & DISPOSE (ED) ☐ REMOVE FREE PRODUCT (FP) ☐ ENHANCED BIO DEGRADATION (IT) ☐ CONTAINMENT BARRIER (CB) ☐ EXCAVATE & TREAT (ET) ☐ PUMP & TREAT GROUNDWATER (GT) ☐ REPLACE SUPPLY (RS) ☐ VACUUM EXTRACT (VE) ☐ NO ACTION REQUIRED (NA) ☐ TREATMENT AT HOOKUP (HU) ☐ VENT SOIL (VS) ☐ OTHER (OT) _____				
COMMENTS					

UNDERGROUND STORAGE TANK UNAUTHORIZED RELEASE (LEAK) / CONTAMINATION SITE REPORT

EMERGENCY ☐ YES ☒ NO		HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED? ☐ YES ☐ NO		FOR LOCAL AGENCY USE ONLY I HEREBY CERTIFY THAT I HAVE DISTRIBUTED THIS INFORMATION ACCORDING TO THE DISTRIBUTION SHOWN ON THE INSTRUCTION SHEET ON THE BACK PAGE OF THIS FORM.	
REPORT DATE 08/04/95		CASE #			
REPORTED BY	NAME OF INDIVIDUAL FILING REPORT		PHONE (310) 570-5410		SIGNATURE 
	REPRESENTING ☐ LOCAL AGENCY ☒ OTHER <u>Delegate</u>		COMPANY OR AGENCY NAME Fleet Services Bureau		
	ADDRESS 2801 E. Willow St. Long Beach CA 90806				
RESPONSIBLE PARTY	NAME City of Long Beach A Municipal Corporation ☐ UNKNOWN		CONTACT PERSON Robert Metzger		PHONE (310) 570-6277
	ADDRESS 333 W. Ocean Blvd Long Beach CA 90802				
SITE LOCATION	FACILITY NAME (IF APPLICABLE) Public Service Yard		OPERATOR Department of Pub. Works		PHONE (310) 570-2714
	ADDRESS 1725 San Francisco Ave Long Beach COUNTY L.A. ZIP 90813				
	CROSS STREET Pacific Coast Highway				
IMPLEMENTING AGENCIES	LOCAL AGENCY Long Beach Fire Prevention		CONTACT PERSON Inspector Tom Hays		PHONE (310) 570-2561
	REGIONAL BOARD Ca. Water Resources, S.W. Dist.		REGION # Region #4		PHONE (213) 266-7500
SUBSTANCES INVOLVED	(1) NAME Motor Oil (New)				QUANTITY LOST (GALLONS) 110 ☐ UNKNOWN
	(2)				☐ UNKNOWN
DISCOVERY/ABATEMENT	DATE DISCOVERED 08/04/95		HOW DISCOVERED ☒ INVENTORY CONTROL ☐ SUBSURFACE MONITORING ☐ NUISANCE CONDITIONS ☐ TANK TEST ☐ TANK REMOVAL ☐ OTHER		
	DATE DISCHARGE BEGAN 08/03/95 ☐ UNKNOWN		METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY) ☒ REMOVE CONTENTS ☐ CLOSE TANK & REMOVE ☐ REPAIR PIPING ☐ REPAIR TANK ☐ CLOSE TANK & FILL IN PLACE ☒ CHANGE PROCEDURE ☐ REPLACE TANK ☐ OTHER		
	HAS DISCHARGE BEEN STOPPED? ☒ YES ☐ NO IF YES, DATE 08/04/95				
SOURCE/ CAUSE	SOURCE OF DISCHARGE ☐ TANK LEAK ☐ UNKNOWN ☒ PIPING LEAK ☐ OTHER		CAUSE(S) ☐ OVERFILL ☒ RUPTURE/FAILURE ☐ SPILL ☐ CORROSION ☐ UNKNOWN ☐ OTHER		
	CASE TYPE ☒ UNDETERMINED ☐ SOIL ONLY ☐ GROUNDWATER ☐ DRINKING WATER - (CHECK ONLY IF WATER WELLS HAVE ACTUALLY BEEN AFFECTED)				
CURRENT STATUS	CHECK ONE ONLY ☐ NO ACTION TAKEN ☐ PRELIMINARY SITE ASSESSMENT WORKPLAN SUBMITTED ☐ POLLUTION CHARACTERIZATION ☐ LEAK BEING CONFIRMED ☒ PRELIMINARY SITE ASSESSMENT UNDERWAY ☐ POST CLEANUP MONITORING IN PROGRESS ☐ REMEDIATION PLAN ☐ CASE CLOSED (CLEANUP COMPLETED OR UNNECESSARY) ☐ CLEANUP UNDERWAY				
	REMEDIAL ACTION CHECK APPROPRIATE ACTION(S) (SEE BACK FOR DETAILS) ☐ CAP SITE (CD) ☐ EXCAVATE & TREAT (ET) ☐ REMOVE FREE PRODUCT (FP) ☐ ENHANCED BIO DEGRADATION (IT) ☐ CONTAINMENT BARRIER (CB) ☐ NO ACTION REQUIRED (NA) ☐ PUMP & TREAT GROUNDWATER (GT) ☐ REPLACE SUPPLY (RS) ☐ VACUUM EXTRACT (VE) ☐ OTHER (OT)				
COMMENTS					



UNDERGROUND STORAGE TANK REMOVAL INSPECTION REPORT

925 Harbor Plaza, Suite 100
Phone (310) 570-2560

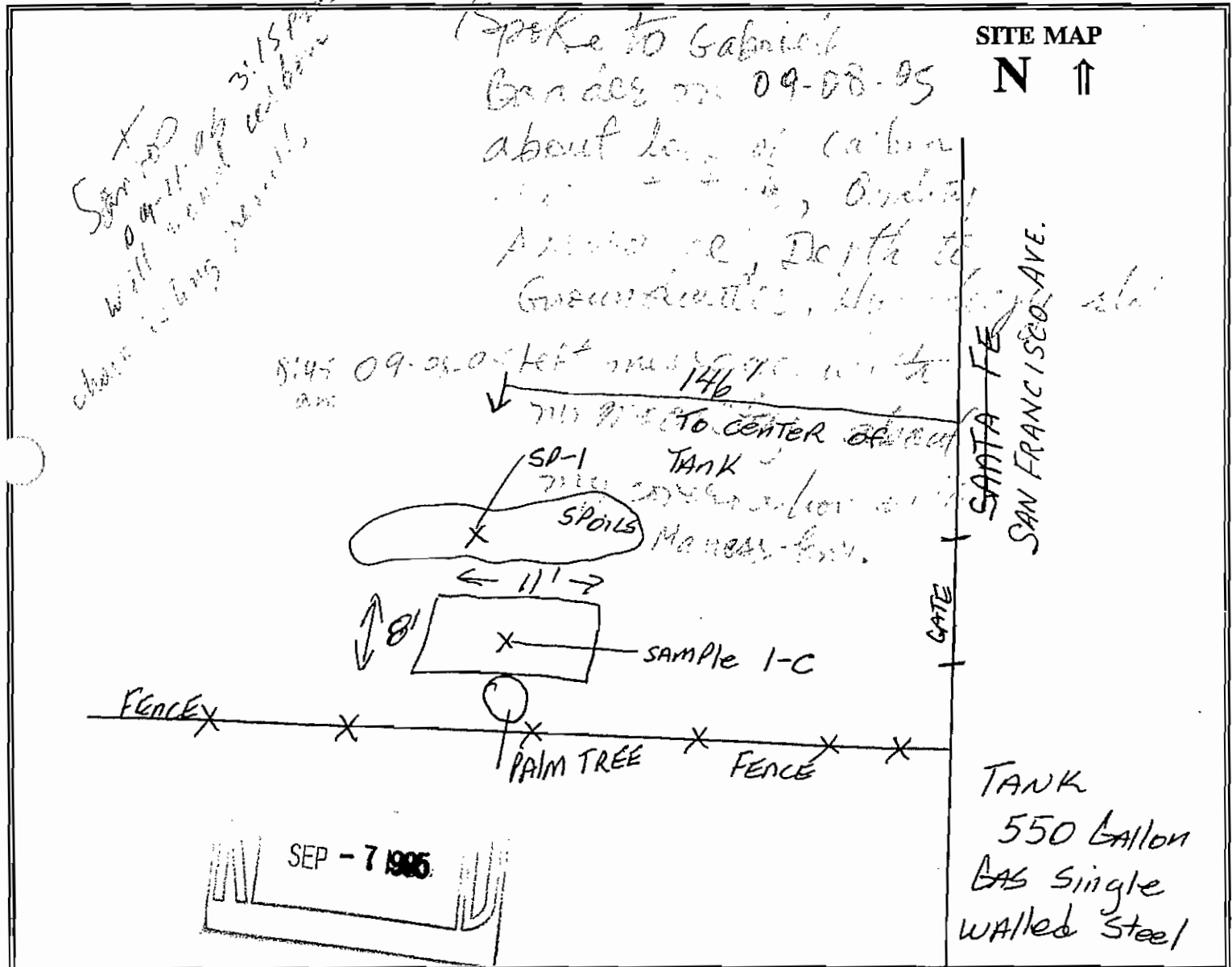
Long Beach, California 90802
Fax (310) 570-2566

NAME

ADDRESS

PHONE#

Site 901 W. Anaheim DATE 8-30-95
Owner CITY of Long Beach - TOWING
Contractor MANESS ENVIRONMENTAL PROJECT# 194914
Geologist GABRIELE BAADER
Lab STERLING LAB INSPECTOR HAYS



Remove 1 tank(s) per current Long Beach Fire Department and Long Beach Health Department guidelines. Soil sample analysis shall be submitted to both agencies within 14 days.

I have read and understand the above.

Signature Michael Murray Print name & phone # 310 5954555 Maness Environmental
Company and Title

Fullerton Environmental Laboratory

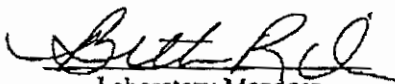
LABORATORY REPORT

Client:	Maness Environmental	Report Date:	08/31/95
Client Address:	P.O. Box 90939	FEL Ref. No.:	4932
	Long Beach, CA 90809	Client Ref. No.:	51000
Attn:	Scott Hultner		
Project:	City of Long Beach - Towing	Date Sampled:	08/30/95
Project Address:	901 W. Anaheim St.	Date Received:	08/30/95
	Long Beach, CA	Date Analyzed:	08/31/95
		Physical State:	Soil

ANALYSES REQUESTED:

1. EPA 8020 - Volatile Aromatic Hydrocarbons (BTEX)
2. Modified EPA 8015 - Volatile Hydrocarbons (as Gasoline)

Approval:


Laboratory Manager
Beth Riley

FULLERTON ENVIRONMENTAL
LABORATORY RESULTS

Client:	Maness Environmental	Report Date:	08/31/95
Client Address:	P.O. Box 90939	FEL Ref. No.:	4932
	Long Beach, CA 90809	Client Ref. No.:	51000
Attn:	Scott Hultner		
Project:	City of Long Beach - Towing	Date Sampled:	08/30/95
Project Address:	901 W. Anaheim St.	Date Received:	08/30/95
	Long Beach, CA	Date Analyzed:	08/31/95
		Physical State:	Soil

EPA 8020 - Volatile Aromatic Hydrocarbons (BTEX)

Sample ID	Benzene	Concentration (mg/Kg)	Toluene	Ethylbenzene	Xylenes	Surrogate Recovery (%)
1C-8	22		17	98	470	114
SP-1	ND < 0.005		ND < 0.005	ND < 0.005	0.013	84

ND = Not Detected

FULLERTON ENVIRONMENTAL

LABORATORY RESULTS

Client:	Maness Environmental	Report Date:	08/31/95
Client Address:	P.O. Box 90939	FEL Ref. No.:	4932
	Long Beach, CA 90809	Client Ref. No.:	51000
Attn:	Scott Hultner		
Project:	City of Long Beach - Towing	Date Sampled:	08/30/95
Project Address:	901 W. Anaheim St.	Date Received:	08/30/95
	Long Beach, CA	Date Analyzed:	08/31/95
		Physical State:	Soil

Modified EPA 8015 - Volatile Hydrocarbons (as Gasoline)

<u>Sample ID</u>	<u>Concentration</u> <u>(mg/Kg)</u>	<u>Surrogate</u> <u>Recovery</u> <u>(%)</u>	<u>Reporting</u> <u>Limits</u> <u>(mg/Kg)</u>
1C-8	7500	101	2500
SP-1	ND	73	1.0

ND = Not Detected

4932

[illegible]



Date: September 1, 1995

To: Richard E. Smith, Hazardous Waste Operation Officer,
Department of Health and Human Services

From: David McCarty, Administrative Supervisor, Fleet Services Bureau

Subject: Fire Station #7, Towing Yard and Heliport Tank Removals

The Fire Department issued a permit and scheduled the removal of underground tanks and dispensing systems at Fire Station #7, Towing Operations and the Heliport. The permits were issued to Maness Environmental, a Long Beach company with a good working relationship with the Fire department.

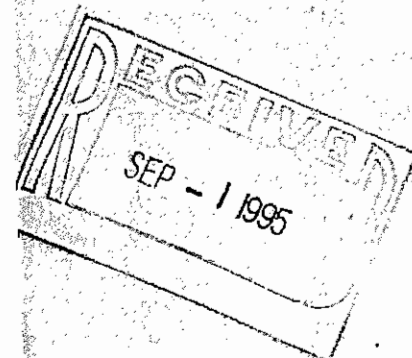
The removals were performed on Wednesday August 30, 1995 with all the necessary soil samples taken by an approved lab. The results of the lab tests were faxed to the Fleet Services Bureau and sent to the Health Department for review.

I have enclosed copies of the results in order to bring this matter to your attention as soon as possible. The Fleet Services Bureau would like authorization to dig out the contamination at Fire Station #7 and at the Towing Operations Yard and proceed with reconstructing the sites. These sites are currently active and support vital services to the public.

We would like to proceed with this cleanup as soon as possible in order to restore operations at these facilities.

Thank you for your time and attention regarding this request, your positive response is greatly appreciated.

To reach me by phone dial extension 8-5410, to fax me your comments dial extension 8-5414.



Maness Environmental Services, Inc.

1101 East Spring Street

Long Beach, CA 90806

TEL: (310) 595-4555 FAX: (310) 492-6495



FAX TRANSMITTAL COVER SHEET

10-05-95 Didn't find Suspens
Lacks depth file
To groundwater
b.f.P.

DATE: October 4, 1995

TO: City of Long Beach

FROM: Ron Santos

ATTN: Carmen Piro

Dept. of Health & Human Services

FAX# 570-4049

Per our conversation, the following is a
copy of lab results and chain of custody
for 901 W. Anaheim St., Long Beach, CA.

The laboratory results were combined with
another site, it took some time to correct
the situation with the laboratory.

If you have any questions, please call me
at (310) 595-4555.

Ron ☺

We are transmitting 4 pages including this cover letter. Please call immediately if there
are any questions or if there are any problems with this transmittal.

FULLERTON ENVIRONMENTAL

LABORATORY RESULTS

Client:	Maness Environmental	Report Date:	10/03/95
Client Address:	P.O. Box 90939	FEL Ref. No.:	4981-A
	Long Beach, CA 90809	Client Ref. No.:	51000
Attn:	Scott Hultner		
Project:	Heliport Site 27/City of LB - Towing	Date Sampled:	08/30/95
	2609 E. Spring St./901 W. Anaheim St.	Date Received:	08/30/95
	Long Beach, CA	Date Analyzed:	09/11/95
		Physical State:	Soil

Simulated Distillation (Carbon Chain ID)

Carbon Chain Range	Sample ID Concentration (mg/Kg)		LMB (mg/Kg)
	1C-8	SP-1	
C8-C9	880	ND	ND
C10-C11	1100	ND	ND
C12-C13	260	ND	ND
C14-C15	ND	ND	ND
C16-C17	ND	ND	ND
C18-C19	ND	ND	ND
C20-C23	ND	19	ND
C24-C27	ND	44	ND
C28-C31	ND	46	ND
C32-C35	ND	57	ND
C36-C39	ND	33	ND
C40-C43	ND	45	ND
C44+	ND	33	ND
Total	2200	280	ND
Surrogate Recovery (%)	127	98	100
Reporting Limits	25	25	25

LMB = Laboratory Method Blank
 ND = Not Detected

1511 E. Orangethorpe Ave., Fullerton, CA 92631 (714) 447-6868 (714) 447-6800 (FAX)

FULLERTON ENVIRONMENTAL

LABORATORY RESULTS

Client:	Maness Environmental	Report Date:	08/31/95
Client Address:	P.O. Box 90939	FEL Ref. No.:	4932
	Long Beach, CA 90809	Client Ref. No.:	51000
Attn:	Scott Hultner		
Project:	City of Long Beach - Towing	Date Sampled:	08/30/95
Project Address:	901 W. Anaheim St.	Date Received:	08/30/95
	Long Beach, CA	Date Analyzed:	08/31/95
		Physical State:	Soil

Modified EPA 8015 - Volatile Hydrocarbons (as Gasoline)

<u>Sample ID</u>	<u>Concentration</u> <u>(mg/Kg)</u>	<u>Surrogate</u> <u>Recovery</u> <u>(%)</u>	<u>Reporting</u> <u>Limits</u> <u>(mg/Kg)</u>
IC-8 (sample underneath tank)	7500	101	2500
SP-1	ND	73	1.0

ND = Not Detected

1511 E. Orangethorpe Ave., Fullerton, CA 92631 (714) 447-6868 (714) 447-6800 FAX

FULLERTON ENVIRONMENTAL

LABORATORY RESULTS

Client:	Maness Environmental	Report Date:	08/31/95
Client Address:	P.O. Box 90939	FEL Ref. No.:	4932
	Long Beach, CA 90809	Client Ref. No.:	51000
Attn:	Scott Hullner		
Project:	City of Long Beach - Towing	Date Sampled:	08/30/95
Project Address:	901 W. Anaheim St.	Date Received:	08/30/95
	Long Beach, CA	Date Analyzed:	08/31/95
		Physical State:	Soil

EPA 8020 - Volatile Aromatic Hydrocarbons (BTEX)

<u>Sample ID</u>	<u>Benzene</u>	<u>Toluene</u>	<u>Ethylbenzene</u>	<u>Xylenes</u>	<u>Surrogate Recovery (%)</u>
1C-8	22	17	98	470	114
SP-1	ND < 0.005	ND < 0.005	ND < 0.005	0.013	84

ND = Not Detected

1511 E. Orangethorpe Ave., Fullerton, CA 92631 (714) 447-6868 (714) 447-6800 FAX

P.05

CHAIN OF CUSTODY RECORD REQUEST FOR ANALYSIS

4932

[illegible]

10/04/20

12:55

THINNESS ENVIRONMENTAL → 310 570 4045

NO. 835

105



Date: October 18, 1995
To: David McCarty, Administrative Supervisor, Fleet Services Bureau
From: *RS* Richard E. Smith, Hazardous Waste Operations Officer, Department of Health and Human Services
Subject: **901 WEST ANAHEIM STREET, LONG BEACH**

The Long Beach Department of Health and Human Services has received a tank closure indicating that a discharge of a hazardous material has occurred at the above referenced location.

In order to comply with the State of California Hazardous Waste Control Act and the Long Beach City Ordinance for Hazardous Materials cleanup, it is required that you submit an application for a Site California Permit and an Initial Site Characterization Report.

I have enclosed a permit application, a copy of the Site Characterization Ordinance. There is no permit fee.

The permit application process is to be completed by November 13, 1995.

After a site has been characterized the next phase is site remediation or cleanup. A permit will be required for this also.

You should also be aware of the South Coast Air Quality Management District's Rule 1166, regarding volatile organic compound (VOC) emissions from contaminated soil. If you are going to treat or handle VOC - contaminated soil, you must notify the South Coast Air Quality Management District Executive Officer by telephone within 24 hours of detection of the VOC-contaminated soil and comply with their requirements.

If any further information is required, please contact Carmen Piro, at 310/570-4137, Environmental Health between the hours of 8:00 a.m. and 9:00 a.m. or 4:00 p.m. to 5:00 p.m.

RS/da

cc: Long Beach Fire Prevention Bureau
Maness Environmental



November 2, 1995

Maness Project # 51000

Carmen Piro
City of Long Beach, Department of Health and Human Services
2525 Grand Avenue, Long Beach, California 90815

**SITE: CITY OF LONG BEACH TOWING, 901 WEST ANAHEIM STREET
LONG BEACH, CALIFORNIA**

RE: UNDERGROUND STORAGE TANK CLOSURE REPORT

Dear Ms. Piro:

Maness Environmental Services, Inc. (Maness) is pleased to submit this report for the closure of one 550-gallon gasoline steel underground storage tank (UST) at City of Long Beach Towing.

The work completed consisted of: (1) excavation, removal and disposal of one gasoline UST and associated piping, (2) collection and analysis of soil samples beneath the former UST and the soil stockpile, and (3) a final UST closure report, summarizing the results of all field activities and analytical testing.

Results of laboratory testing indicate that petroleum hydrocarbon affected soil is present in the vicinity of former gasoline UST. Total petroleum hydrocarbons with gasoline distinction and benzene concentrations of 7,500 and 22 parts per million, respectively, were detected in the soil sample collected beneath the former gasoline UST.

If you have any questions regarding the report or require additional information, please call me at (310) 595-4555.

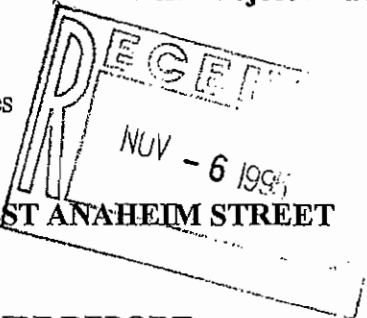
Sincerely,

Maness Environmental Services, Inc.

Scott Hultner
Project Manager

cc: David McCarty, City of Long Beach, Fleet Services Bureau

1101 East Spring Street • Long Beach, CA 90806
P.O. Box 90939 • Long Beach, CA 90809-0939
Contractor's License No. 553633
(310) 595-4555 FAX: (310) 492-6495



UNDERGROUND STORAGE TANK CLOSURE REPORT

**CITY OF LONG BEACH TOWING
901 West Anaheim Street
Long Beach, California**

MANESS PROJECT # 51000

**Prepared For:
Fleet Services Bureau
2801 E. Willow Street
Long Beach, California 90806**

**Prepared By:
Maness Environmental Services, Inc.
1101 East Spring Street
Long Beach, California 90806**

November 2, 1995

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2.1 TANK REMOVAL OPERATIONS	1
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2.3 UST RINSATE AND SOIL DISPOSAL	2
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FIGURES

- FIGURE 1 VICINITY MAP
FIGURE 2 SITE PLAN AND SOIL SAMPLE RESULTS

APPENDICES

- APPENDIX A - SCAQMD RULE 1166 MONITORING RECORDS
APPENDIX B - TANK DISPOSAL CERTIFICATE
APPENDIX C - LABORATORY AND QUALITY ASSURANCE/QUALITY CONTROL (QA/QC)
REPORTS, AND CHAIN OF CUSTODY
APPENDIX D - UNIFORM HAZARDOUS WASTE MANIFEST

1.0 INTRODUCTION

This report summarizes excavation and soil sampling activities conducted in conjunction with a 550-gallon gasoline steel underground storage tank (UST) and associated product line removal recently completed at City of Long Beach Towing located at 901 W. Anaheim Street in Long Beach, California (Figure 1).

1.1 PURPOSE AND SCOPE OF WORK

The work completed consisted of the removal of one 550-gallon gasoline steel UST and associated piping. In addition, Maness personnel collected soil samples following the UST removal, beneath the former UST and from the soil stockpile, to determine whether contents previously stored in the UST have impacted the surrounding subsurface soil.

2.0 FIELD ACTIVITIES

2.1 TANK REMOVAL OPERATIONS

On August 30, 1995, Maness cleaned and triple rinsed the UST at the subject site. The UST was pressure rinsed sufficiently until satisfactory lower explosive limits (LEL) and total oxygen content levels were achieved. In addition, the gasoline UST was properly degassed.

In compliance with the South Coast Air Quality Management District (SCAQMD) Rule 1166 permit issued to Maness (Application Number 257250 and Identification Number 69389), organic vapors were monitored during excavation activities

On August 30, 1995, a Bacharach (TLV-RM) meter was used to monitor organic vapors emitted from soil during excavation in the vicinity of the UST. The SCAQMD Rule 1166 monitoring records are included in Appendix A.

Under the direction of Inspector Thomas Hayes of the Long Beach Fire Department (LBFD), Maness removed the gasoline UST from the excavation and transported it to the Wilmington Salvage Inc. facility located in Wilmington, California. Several small holes were observed along the gasoline UST. Refer to Appendix B for a copy of the tank disposal certificate.

2.2 SOIL SAMPLING

On August 30, 1995, Soil Sample 1C-8 was collected beneath the gasoline UST at approximately 8 feet below grade (fbg) and Soil Sample SP-1 was collected from the soil stockpile generated during UST removal activities. Soil sampling activities were conducted under the supervision of inspector Thomas Hayes of the LBFD.

The soil samples were packaged in 250 milliliter Qorpak glass jars, sealed with Teflon lined plastic lids, labeled, and immediately placed on ice in a cooler. The samples were delivered immediately to a state certified, analytical laboratory for testing. Refer to Appendix C for copies of the official laboratory and quality assurance/quality control (QA/QC) reports, and chain of custody records.

2.3 UST RINSATE AND SOIL DISPOSAL

On August 30, 1995, approximately 150 gallons of UST rinsate was transported by vacuum truck to Crosby and Overton facility located in Long Beach, California. Refer to Appendix D for a copy of the uniform hazardous waste manifest. The non-hazardous soils manifest will be forwarded under a separate cover upon receipt.

3.0 SITE GEOLOGY AND HYDROGEOLOGY

The site is located on the north flank of Long Beach. According to California Department of Water Resources, Bulletin No. 104, Planned Utilization of the Groundwater Basins of the Coastal Plain of Los Angeles County, June 1961, reprinted May 1990, the site is underlain by the following stratigraphic units:

Terrace Cover - Reddish brown sand, non-fossiliferous and largely continental composed of terrigenous clastic material.

Palos Verde Sand - Sand, pebble and gravel, fossiliferous and marine, moderately permeable above the local water table, crops out along southern slopes of Signal Hill.

Unnamed Deposits - Silt, sand and gravel, moderately to slightly permeable above groundwater table.

According to the Los Angeles Department of Public Works, the nearest groundwater well (392H) is located approximately half a mile south of the site. ~~The depth to groundwater on October 7, 1994, was 14.9 fbg and the ground surface elevation was 44.7 feet above mean sea level.~~ Groundwater was encountered at approximately 6 to 8 fbg during the excavation activities conducted at the site.

4.0 LABORATORY TESTING

4.1 METHODS OF ANALYSIS

Laboratory samples were collected, maintained, prepared and analyzed according to Test Methods for Evaluating Solid Waste, (SW-846), Third Edition, Update #2, November 1990. These methods, as prescribed by the Environmental Protection Agency (EPA), provide test procedures which determine whether a sample is a hazardous waste within the definition of the Resource Conservation Recovery Act (RCRA).

A state certified, analytical laboratory (Fullerton Environmental Laboratory of Fullerton, California) analyzed soil samples collected beneath the former UST and the soil stockpile. The soil samples were analyzed for total petroleum hydrocarbons as gasoline (TPH-G); benzene, toluene, ethylbenzene, and total xylenes (BTEX) using Modified EPA Method 8015 and EPA Method 8020, respectively. In addition, carbon chains were identified in soil samples using Modified EPA Method 8015. Refer to Figure 2 and Tables 1 and 2 for laboratory results.

TABLE 1

Summary of Laboratory Results

City of Long Beach Towing
Sample Date = August 30, 1995

Sample ID	Depth (ft bg)	TPH-G (ppm)	Benzene (ppm)	Toluene (ppm)	Ethylbenzene (ppm)	Total Xylenes (ppm)
1C-8	8	7,500*	22	17	98	470
SP-1	—	ND	ND	ND	ND	0.013
MDL	—	1.0	0.005	0.005	0.005	0.005

Note: TPH-G = total petroleum hydrocarbons as gasoline
 ppm = parts per million (mg/kg)
 ND = not detected at or above detection limit stated in official laboratory reports
 * = minimum detection limit is 2,500 ppm
 — = not applicable
 MDL = minimum detection limit stated in official laboratory reports

4.2 RESULTS OF ANALYSIS

TPH-G and benzene concentrations of 7,500 and 22 parts per million (ppm), respectively, were detected in soil samples collected beneath the former gasoline UST. A total xylene concentration of 0.013 ppm was detected in the soil stockpile sample (TPH-G, benzene, toluene, or ethylbenzene was not detected). Carbon chains were detected in both soil samples (maximum of 1,100 ppm [C10-C11] in Soil Sample 1C-8).

TABLE 2

Summary of Laboratory Results

City of Long Beach Towing
Sample Date = August 30, 1995

Sample ID	Depth (fmg)	Carbon Chain Identification												
		C8 - C9 (ppm)	C10 - C11 (ppm)	C12 - C13 (ppm)	C14 - C15 (ppm)	C16 - C17 (ppm)	C18 - C19 (ppm)	C20 - C21 (ppm)	C24 - C27 (ppm)	C28 - C31 (ppm)	C32 - C35 (ppm)	C36 - C39 (ppm)	C40 - C43 (ppm)	C44+ (ppm)
IC-8	8	880	1,100	260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SP-1	—	ND	ND	ND	ND	ND	ND	19	44	46	57	33	45	33
MDL	—	25	25	25	25	25	25	25	25	25	25	25	25	25

tes: ppm = parts per million (mg/kg)
 ND = not detected at or above detection limits stated in official laboratory reports
 — = not applicable
 MDL = minimum detection limit stated in official laboratory reports

5.0 CONCLUSIONS

Maness performed UST closure operations at City of Long Beach Towing facility located at 901 W. Anaheim Street in Long Beach, California. The work completed consisted of the removal of one 550-gallon gasoline steel UST. The soil sample beneath the former gasoline UST was collected under the supervision of Inspector Thomas Hayes of the Long Beach Fire Department.

The laboratory results of the soil sample collected beneath the former UST indicate that petroleum hydrocarbon-affected soil is present in the vicinity of the gasoline UST.

Based on the results and findings of this tank closure report, Maness recommends the lateral and vertical extent of hydrocarbon-affected soil be delineated before remedial options are assessed.

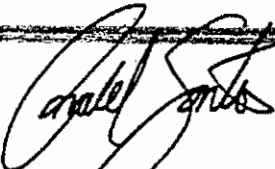
6.0 LIMITATIONS

Maness Environmental Services, Inc. performs professional services using that degree of care and skill ordinarily exercised by environmental consultants practicing in this or similar localities. The findings are based primarily upon analytical results provided by an independent laboratory. Interpretations of the subsurface conditions at the site, for the purpose of this investigation, are made from a limited number of available data points (example: soil samples) and subsurface conditions may be different in other locations.

Maness appreciates the opportunity to provide environmental management services for the City of Long Beach. If you have any questions regarding the report or require additional information, please call us at (310) 595-4555.

Sincerely,

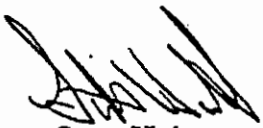
Maness Environmental Services, Inc.



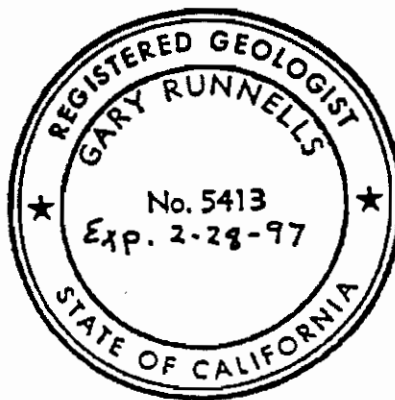
Ronald V. Santos
Project Engineer



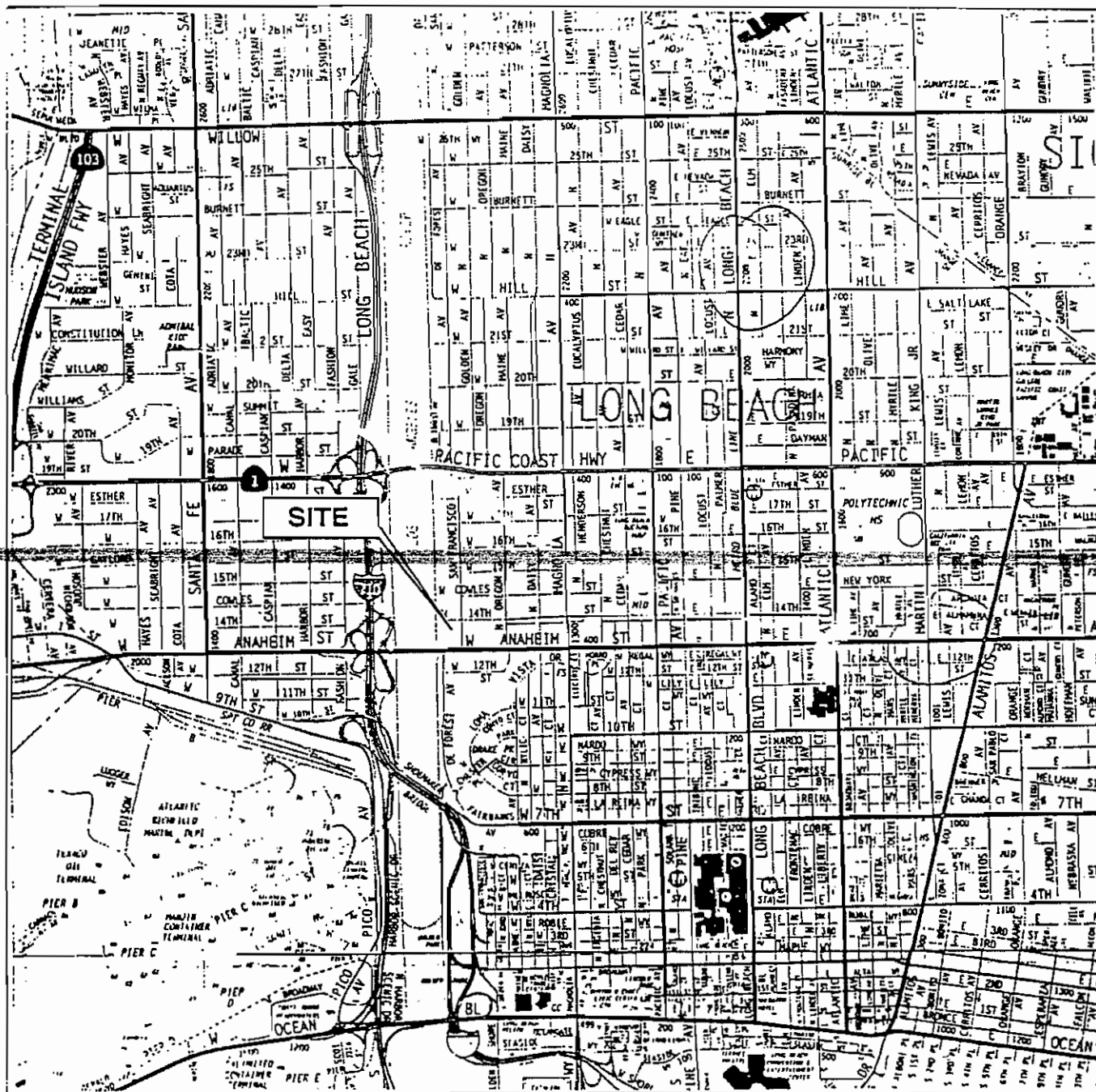
Gary Runnells, R.G., R.E.A.
Manager Remediation Services



Scott Hultner
Project Manager



FIGURES



SCALE
(mile)

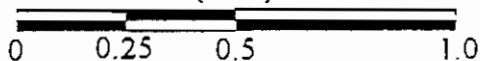


FIGURE 1

VICINITY MAP

CITY OF LONG BEACH TOWING
901 W Anaheim Street



MANESS

ENVIRONMENTAL SERVICES, INC.

A DIVISION OF
MANESS INDUSTRIES

SAN FRANCISCO AVENUE

SP-1**
ND
ND

UNDERGROUND
TANK EXCAVATION

1C-8*
7,500
22

FENCE

LEGEND

Sample ID
TPH-G
B

- Soil Sample with analyte concentration in ppm

Note:

B = benzene, ND = not detected at or above detection limits stated in official laboratory results, ppm = parts per million (mg/kg), TPH-G = total petroleum hydrocarbons with gasoline distinction, * = sample analyzed for total extractable petroleum hydrocarbons (TEPH) (maximum concentration of 1,100 ppm for C10-C11); ** = sample analyzed for TEPH (maximum concentration of 57 ppm for C32-C35). Drawing not to scale.

FIGURE 2

SITE PLAN AND SOIL SAMPLE RESULTS

CITY OF LONG BEACH TOWING
901 W. Anaheim Street



MANESS
ENVIRONMENTAL SERVICES, INC.
A DIVISION OF
MANESS INDUSTRIES

1101 EAST 10TH STREET, P.O. BOX 10710, LONG BEACH, CA 90801-0710
TELEPHONE: (562) 591-1101 FAX: (562) 591-1101

APPENDIX A

SCAQMD RULE 1166 MONITORING RECORDS

**SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
RULE 1166 SOIL MONITORING RECORDS**

507# 51001

Site Information:

Owner: ARGonne

Address: 901 ANAHEIM

City: LB

Zip: _____

Date of Excavation: _____

Monitoring Information:

Company: Manass Environmental Services

Name: Michael Muegov

Monitor Mfg.: BIACHARACH

Model No.: TLV-FM

Calibration Gas: Acetylene

If VOC contaminated soil is detected, call 909-396-3886 within 24 hours, mail logs to SCAQMD, 21865 E. Copley Dr., Diamond Bar, Ca. 91765-4182 within 5 days.

OLD AQMD #

NEW AQMD #

[illegible]

Signature:

Date:

Comments:

APPENDIX B

TANK DISPOSAL CERTIFICATE

Wilmington Salvage Inc.

2133 East Anaheim Street

Wilmington, Ca. 90744

213 435-4555

FAX 436-8545

CERTIFICATE OF DESTRUCTION

TO: — Maness Environmental Services, Inc.
1101 East Spring Street, Long Beach, CA 90809

DATE: — 8/30/95

REFERENCE: — one 550-gallon steel tank

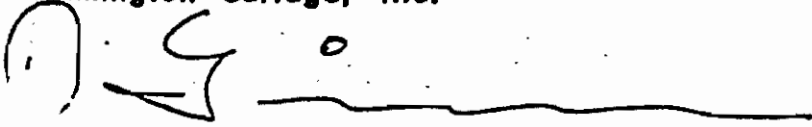
ORIGIN: — 901 W. Anaheim Street
Long Beach, California

TO WHOM IT MAY CONCERN:

This is to certify that we have properly disposed of the
above mentioned item / items.

Thank You,

Wilmington Salvage, Inc.





UNDERGROUND STORAGE TANK REMOVAL INSPECTION REPORT

925 Harbor Plaza, Suite 100
Phone (310) 570-2560

Long Beach, California 90802
Fax (310) 570-2566

FILE
51000

NAME

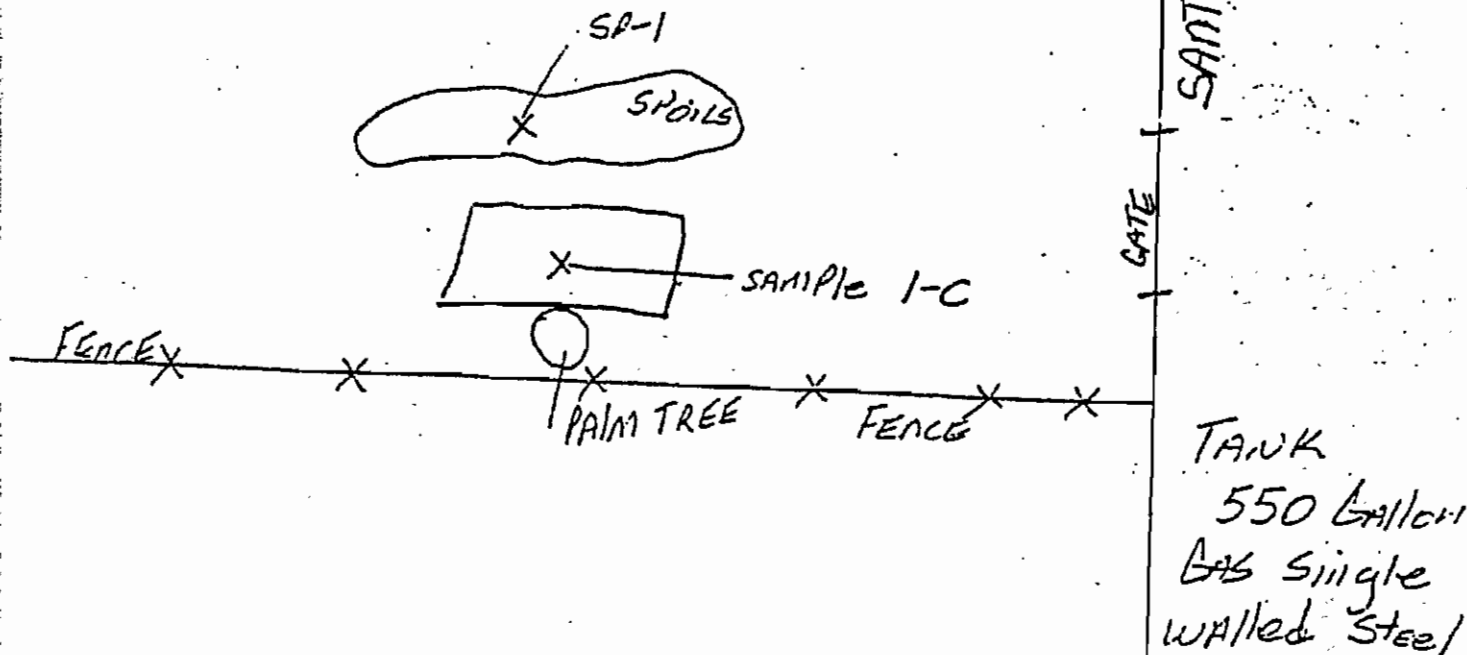
ADDRESS

PHONE#

e 901 W. Anaheim DATE 8-30-95
vner CITY of Long Beach - TOWNING
ntractor MANESS ENVIRONMENTAL PROJECT# 194914
ologist GABRIELE BRACKER
b STERLING LAB INSPECTOR HAYS

SITE MAP

N ↑



in 1 tank(s) per current Long Beach Fire Department and Long Beach Health Department
idelines. Soil sample analysis shall be submitted to both agencies within 14 days.

I have read and understand the above.

Michael Maness

310 59511555 Maness Form

35 D. Beck & Assoc., Inc.
ARBOR TESTING LABORATORY
PHONE: (310) 492-9646

MARINE CHEMIST CERTIFICATE

Serial # 7428

Coated by EG Vessel Owner or Agent STORAGE Date 5-30-95
Type of Vessel WASTE OIL Specific Location of Vessel 1335
Tests Performed ONE TANK Time Survey Completed 1335

MARKED WITH YELLOW PAINT TESTED: 0% LEL
SAFE FOR HOT WORK
#7428 NOT SAFE FOR WORK IN TANK

In the event of any physical or atmospheric changes adversely affecting the STANDARD SAFETY DESIGNATIONS assigned to any of the above spaces, or if in any doubt, immediately stop all work and contact the undersigned Marine Chemist.

QUALIFICATIONS: Transfer of ballast or manipulation of valves or closure equipment tending to alter conditions in pipe lines, tanks or compartments subject to gas accumulation, unless specifically approved in this Certificate, requires inspection and endorsement or release of Certificate for the spaces so affected. All lines, vents, piping, valves, and similarly enclosed appurtenances shall be considered "not safe" unless otherwise specifically designated.

STANDARD SAFETY DESIGNATIONS (partial list, paraphrased from NFPA 306 Subsections 2-3.1 through 2-3.5, and Subsection 6-3.2)

SAFE FOR WORKERS: Means that in the compartment or space so designated: (a) the oxygen content of the atmosphere is at least 19.5 percent by volume; and that, (b) toxic materials in the atmosphere are within permissible concentrations; and that, (c) the residues are not capable of producing toxic materials under existing atmospheric conditions while maintained as directed on the Marine Chemist's Certificate.

NOT SAFE FOR WORKERS: Means that in the compartment or space so designated, the requirements of Safe for Workers have not been met.

ENTER WITH RESTRICTIONS: Means that in any compartment or space so designated, entry for work may be made only if conditions of proper protective equipment, clothing, and time are as specified.

SAFE FOR HOT WORK: Means that in the compartment so designated: (a) oxygen content of the atmosphere is at least 19.5 percent by volume, with the exception of inert spaces where external hot work is to be performed; and that, (b) the concentration of flammable materials in the atmosphere is below 10 percent of the lower flammable limit; and that, (c) residues are not capable of producing a higher concentration than permitted by (b) above under existing atmospheric conditions in the presence of fire, and while maintained in accordance with the Marine Chemist's Certificate; and further, that, (d) all adjacent spaces containing or having contained flammable or combustible materials have been cleaned in accordance with the Marine Chemist's requirements.

NOT SAFE FOR HOT WORK: Means that in the compartment so designated, the requirements of Safe for Hot Work have not been met.

CHEMIST'S ENDORSEMENT. This is to certify that I have personally determined that all spaces in the foregoing list are in accordance with NFPA 306 Control of Gas Hazards in Vessels and have found the condition of each to be in accordance with its assigned designation.

undersigned acknowledges receipt of this Certificate and Section 2-6 of NFPA 306 and the conditions and limitations under which it was issued.

This Certificate is based on conditions existing at the time the inspection herein set forth was completed and issued subject to compliance with all qualifications and instructions.

APPENDIX C

LABORATORY AND QUALITY ASSURANCE/QUALITY CONTROL (QA/QC) REPORTS AND CHAIN OF CUSTODY

Fullerton Environmental Laboratory

LABORATORY REPORT

Client: Maness Environmental
Client Address: P.O. Box 90939
Long Beach, CA 90809

Report Date: 08/31/95
FEL Ref. No.: 4932
Client Ref. No.: 51000

Attn: Scott Hultner

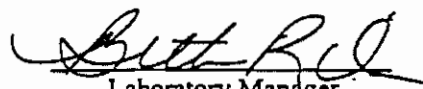
Date Sampled: 08/30/95
Date Received: 08/30/95
Date Analyzed: 08/31/95
Physical State: Soil

Project: City of Long Beach - Towing
Project Address: 901 W. Anaheim St.
Long Beach, CA

ANALYSES REQUESTED:

1. EPA 8020 - Volatile Aromatic Hydrocarbons (BTEX)
2. Modified EPA 8015 - Volatile Hydrocarbons (as Gasoline)

Approval:


Laboratory Manager
Beth Riley

FULLERTON ENVIRONMENTAL

LABORATORY RESULTS

Client:	Maness Environmental	Report Date:	08/31/95
Client Address:	P.O. Box 90939	FEL Ref. No.:	4932
	Long Beach, CA 90809	Client Ref. No.:	51000
Attn:	Scott Hultner		
Project:	City of Long Beach - Towing	Date Sampled:	08/30/95
Project Address:	901 W. Anaheim St.	Date Received:	08/30/95
	Long Beach, CA	Date Analyzed:	08/31/95
		Physical State:	Soil

Modified EPA 8015 - Volatile Hydrocarbons (as Gasoline)

Sample ID	Concentration (mg/Kg)	Surrogate Recovery (%)	Reporting Limits (mg/Kg)
1C-8	7500	101	2500
SP-1	ND	73	1.0

ND = Not Detected

FULLERTON ENVIRONMENTAL

LABORATORY RESULTS

Client:	Maness Environmental	Report Date:	08/31/95
Client Address:	P.O. Box 90939	FEL Ref. No.:	4932
	Long Beach, CA 90809	Client Ref. No.:	51000
Attn:	Scott Hultner		
Project:	City of Long Beach - Towing	Date Sampled:	08/30/95
Project Address:	901 W. Anaheim St.	Date Received:	08/30/95
	Long Beach, CA	Date Analyzed:	08/31/95
		Physical State:	Soil

EPA 8020 - Volatile Aromatic Hydrocarbons (BTEX)

Sample ID	Benzene	Toluene	Concentration (mg/Kg) Ethylbenzene	Xylenes	Surrogate Recovery (%)
1C-8	22	17	98	470	114
SP-1	ND < 0.005	ND < 0.005	ND < 0.005	0.013	84

ND = Not Detected

FULLERTON ENVIRONMENTAL
QUALITY CONTROL INFORMATION

Client:	Maness Environmental	Report Date:	08/31/95
Client Address:	P.O. Box 90939	FEL Ref. No.:	4932
	Long Beach, CA 90809	Client Ref. No.:	51000
Attn:	Scott Hultner		
Project:	City of Long Beach - Towing	Date Sampled:	08/30/95
Project Address:	901 W. Anaheim St.	Date Received:	08/30/95
	Long Beach, CA	Date Analyzed:	08/31/95
		Physical State:	Soil

EPA 8020 - Volatile Aromatic Hydrocarbons (BTEX)

<u>Parameter</u>	<u>LMB</u> <u>(ug/L)</u>	<u>LCS</u> <u>Recovery (%)</u>
Benzene	ND	96
Toluene	ND	99
Ethylbenzene	ND	98
m,p-Xylene	ND	94
o-Xylene	ND	100
Surrogate Recovery (%)	104	111

Sample Spiked: FEL 4930-6

<u>Parameter</u>	<u>MS</u> <u>Recovery (%)</u>	<u>MSD</u> <u>Recovery (%)</u>	<u>RPD</u>	<u>Acceptability</u> <u>Range (%)</u>	<u>RPD</u> <u>Range (%)</u>
Benzene	80	80	0.0	65 - 130	25
Toluene	79	79	0.0	65 - 130	25
o-Xylene	78	71	1.3	65 - 130	25
Surrogate Recovery (%)	107	102	--	70 - 130	--

LMB = Laboratory Method Blank
LCS = Laboratory Control Sample
ND = Not Detected

MS = Matrix Spike
MSD = Matrix Spike Duplicate
RPD = Relative Percent Difference

FULLERTON ENVIRONMENTAL
QUALITY CONTROL INFORMATION

Client:	Maness Environmental	Report Date:	08/31/95
Client Address:	P.O. Box 90939	FEL Ref. No.:	4932
	Long Beach, CA 90809	Client Ref. No.:	51000
Attn:	Scott Hultner		
Project:	City of Long Beach - Towing	Date Sampled:	08/30/95
Project Address:	901 W. Anaheim St.	Date Received:	08/30/95
	Long Beach, CA	Date Analyzed:	08/31/95
		Physical State:	Soil

Modified EPA 8015 - Volatile Hydrocarbons (as Gasoline)

<u>Parameter</u>	<u>LMB</u> <u>(ug/L)</u>	<u>LCS</u> <u>Recovery (%)</u>
Gasoline	ND	94
Surrogate Recovery (%)	109	80

Sample Spiked: FEL 4930-6

<u>Parameter</u>	<u>MS</u> <u>Recovery (%)</u>	<u>MSD</u> <u>Recovery (%)</u>	<u>RPD</u>	<u>Acceptability</u> <u>Range (%)</u>	<u>RPD</u> <u>Range (%)</u>
Gasoline	85	82	2.4	65 - 130	25
Surrogate Recovery (%)	85	82	—	70 - 130	—

LMB = Laboratory Method Blank
LCS = Laboratory Control Sample
ND = Not Detected

MS = Matrix Spike
MSD = Matrix Spike Duplicate
RPD = Relative Percent Difference

FULLERTON ENVIRONMENTAL

COMMENTS

Client: Maness Environmental
Client Address: P.O. Box 90939
Long Beach, CA 90809

Report Date: 10/03/95
FEL Ref. No.: 4981-A
Client Ref. No.: 51000

PLEASE NOTE: FEL 4981-A is a resubmit of FEL 4932

Fullerton Environmental Laboratory

LABORATORY REPORT

Client:	Maness Environmental	Report Date:	10/03/95
Client Address:	P.O. Box 90939	FEL Ref. No.:	4981-A
	Long Beach, CA 90809	Client Ref. No.:	51000
Attn:	Scott Hultner		
Project:	Heliport Site 27/City of LB - Towing	Date Sampled:	08/30/95
	2609 E. Spring St./901 W. Anaheim St.	Date Received:	08/30/95
	Long Beach, CA	Date Analyzed:	09/11/95
		Physical State:	Soil

ANALYSES REQUESTED:

1. Simulated Distillation (Carbon Chain ID)

Approval:


Laboratory Manager
Beth Riley

FULLERTON ENVIRONMENTAL

LABORATORY RESULTS

Client:	Maness Environmental	Report Date:	10/03/95
Client Address:	P.O. Box 90939	FEL Ref. No.:	4981-A
	Long Beach, CA 90809	Client Ref. No.:	51000
Attn:	Scott Hultner	Date Sampled:	08/30/95
Project:	Heliport Site 27/City of LB - Towing	Date Received:	08/30/95
	2609 E. Spring St./901 W. Anaheim St.	Date Analyzed:	09/11/95
	Long Beach, CA	Physical State:	Soil

Simulated Distillation (Carbon Chain ID)

Carbon Chain Range	Sample ID Concentration (mg/Kg)		LMB (mg/Kg)
	1C-8	SP-1	
C8-C9	880	ND	ND
C10-C11	1100	ND	ND
C12-C13	260	ND	ND
C14-C15	ND	ND	ND
C16-C17	ND	ND	ND
C18-C19	ND	ND	ND
C20-C23	ND	19	ND
C24-C27	ND	44	ND
C28-C31	ND	46	ND
C32-C35	ND	57	ND
C36-C39	ND	33	ND
C40-C43	ND	45	ND
C44+	ND	33	ND
Total	2200	280	ND
Surrogate Recovery (%)	127	98	100
Reporting Limits	25	25	25

LMB = Laboratory Method Blank
 ND = Not Detected

FULLERTON ENVIRONMENTAL
QUALITY CONTROL INFORMATION

Client:	Maness Environmental	Report Date:	10/03/95
Client Address:	P.O. Box 90939	FEL Ref. No.:	4981-A
	Long Beach, CA 90809	Client Ref. No.:	51000
Attn:	Scott Hultner	Date Sampled:	08/30/95
Project:	Heliport Site 27/City of LB - Towing	Date Received:	08/30/95
	2609 E. Spring St./901 W. Anaheim St.	Date Analyzed:	09/11/95
	Long Beach, CA	Physical State:	Soil

Simulated Distillation (Carbon Chain ID)

LCS

Diesel	90
Surrogate Rec. (%)	99

Sample Spiked: FEL 4981-1

<u>Parameter</u>	<u>MS Recovery (%)</u>	<u>MSD Recovery (%)</u>	<u>RPD</u>	<u>Acceptability Range (%)</u>	<u>RPD Range (%)</u>
Diesel	99	104	4.9	65 - 130	25
Surrogate Recovery (%)	109	106	---	70 - 130	---

LCS = Laboratory Control Sample
 MS = Matrix Spike
 MSD = Matrix Spike Duplicate
 RPD = Relative Percent Difference

71 4932



STERLING ANALYTICAL LABORATORY 2860 Walnut Avenue • Long Beach, California 90806-1834 - (310) 595-9324 - FAX (310) 595-6709

APPENDIX D

UNIFORM HAZARDOUS WASTE MANIFEST

11/20/95 15 minutes 10/20/95
See instructions on back of page 6.

GENERATOR

TRANSPORTER

HAZARDOUS

WASTE

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. <i>CAD028409019</i>		Manifest Document No. <i>000001</i>		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.							
3. Generator's Name and Mailing Address FLEET SERVICES BUREAU 2301 E. WILLOW STREET, LONG BEACH, CA.						A. State Manifest Document Number 95436758									
4. Generator's Phone ()						B. State Generator's ID									
5. Transporter 1 Company Name MANESS ENVIRONMENTAL SERVICES						C. State Transporter's ID <i>607303</i>									
6. US EPA ID Number <i>CAD0009634234</i>						D. Transporter's Phone 310-595-4555									
7. Transporter 2 Company Name						E. State Transporter's ID									
8. US EPA ID Number						F. Transporter's Phone									
9. Designated Facility Name and Site Address CROSBY & OVERTON INC. 1630 W. 17TH STREET LONG BEACH, CA. 90813						G. State Facility's ID <i>CAD028409019</i>									
10. US EPA ID Number <i>CAD028409019</i>						H. Facility's Phone 310-432-5445									
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit Wt/Vol		15. Waste Number			
a. NON-RCRA HAZARDOUS WASTE LIQUIDS CONTAMINATED LIQUIDS						No. Type <i>001 T T</i>		<i>150</i>		G		State <i>134</i> EPA/Other			
b.												State EPA/Other			
c.												State EPA/Other			
d.												State EPA/Other			
Additional Descriptions for Materials Listed Above PETROLEUM PRODUCTS 5% WATER 95%						K. Handling Codes for Wastes Listed Above a. <i>K</i> b. <i>L</i> c. d.									
15. Special Handling Instructions and Additional Information WEAR PROPER PROTECTIVE CLOTHING 24 HOUR EMERGENCY CONTACT: David McCarty 24 HOUR PHONE: 310 570-5400						LOCATION: TOWING OPERATIONS 901 W. ANAHEIM, LONG BEACH PROFILE# 09050									
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.															
Printed/Typed Name David McCarty				Signature <i>David McCarty</i>				Month <i>08</i>		Day <i>30</i>		Year <i>95</i>			
17. Transporter 1 Acknowledgement of Receipt of Materials															
Printed/Typed Name SCOTT SEARING				Signature <i>Scott Searing</i>				Month <i>08</i>		Day <i>30</i>		Year <i>95</i>			
18. Transporter 2 Acknowledgement of Receipt of Materials															
Printed/Typed Name				Signature				Month		Day		Year			
19. Discrepancy Indication Space <i>Boxes 6 & 4 missing info. see steps</i>															
Facility Owner, or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.															
Printed/Typed Name Brett L. Korte				Signature <i>Brett L. Korte</i>				Month <i>08</i>		Day <i>30</i>		Year <i>95</i>			

DO NOT WRITE BELOW THIS LINE.

FINAL SITE CHARACTERIZATION REPORT

For The

PHASE II ENVIRONMENTAL ASSESSMENT

Of

GASOLINE-IMPACTED SOILS

January 31, 1996

For Property Located at:

Long Beach City Tow Yard
901 West Anaheim Street
Long Beach, California

Prepared by:

EPICS International
One World Trade Center, Suite 1890
Long Beach, CA 90831-1890
phone: (310) 432-9717
fax: (310) 432-4113



e-mail: inquiry@epics.com
web page: <http://www.epics.com>

INITIAL ASSESSMENT REPORT

For The

PHASE II ENVIRONMENTAL ASSESSMENT

Of

GASOLINE-IMPACTED SOILS

December 8, 1995

For Property Located at:

**Long Beach City Tow Yard
901 West Anaheim Street
Long Beach, California**

Prepared by:

**EPICS International
One World Trade Center, Suite 1890
Long Beach, CA 90831-1890
phone: (310) 432-9717
fax: (310) 432-4113**

**e-mail: inquiry@epics.com
web page: <http://www.epics.com>**

*pages 5 and 6
corrected and sent by Mr. C. Myers
via facsimile on 12-13-95*

12-13-95 9:15 am

Site Information

Long Beach City Tow Yard, located at 901 West Anaheim Street, in Long Beach, California had one 550-gallon underground storage tank removed on August 30, 1995. The tank was pitted with holes. When the tank was removed, soil samples were taken underneath the tank and from the excavated soil pile and analyzed. According to an analytical report dated August 31, 1995, prepared by Fullerton Environmental Laboratory, the soil underneath the tank contained elevated levels of total petroleum hydrocarbons as gasoline and BTEX. Because of these elevated levels, further assessment is required to determine the extent of the elevated levels of gasoline and BTEX.

The City Towing Yard is owned by the City of Long Beach and is maintained by the Fleet Services Bureau, 2801 East Willow Street, Long Beach, CA 90806. The Fleet Services Supervisor for this site is David McCarty, (310) 570-5410. A plot plan of the facility may be found in the Appendix.

EPICS International has been retained by the City of Long Beach to perform a characterization of the site in order 1) to determine the vertical and horizontal extent of contamination at the site; 2) to determine the concentration and type of contamination involved; and 3) to determine if groundwater has been impaired. This work plan serves as the Initial Assessment Report and defines the proposed work to be performed at the site.

All work to be performed by EPICS International will be done in accordance with all applicable local, state, and federal laws and regulations.

Prior to beginning work onsite, EPICS will provide notifications to the City of Long Beach Department of Health and Human Services and the South Coast AQMD as applicable. Underground Services Alert will be notified to mark subsurface utilities in the expected drilling areas.

Environmental Setting

Site Geology

Regionally, the site is within the southwestern portion of the Coastal Plain of Los Angeles County, which is bounded by the Santa Monica Mountains on the north, the Elysian, Repetto, Merced, and Puente Hills on the northeast, and the Pacific Ocean on the south and west. The City of Long Beach is located near the southern boundary of the plain. Therefore, the tectonic setting, structure and stratigraphy here parallel that of the plain as a whole. The most visible geologic structure in the city is the Newport-Inglewood structural zone, which runs from Beverly Hills southeast to Newport Beach. Its major surface features include the Baldwin Hills, Dominguez Hills, and Signal Hill. This zone divides the city diagonally and separates the basin's primary southwestern and central structural blocks. This zone has been recognized as an effective, near-surface groundwater barrier (Randell, p. 21).

Surficial deposits in the area of the site are believed to be from the Terrace Cover structure, comprising reddish-brown sand, nonfossiliferous and probably largely continental. The stratigraphy below this is Palos Verdes Sand, comprising sand and some pebble gravel, fossiliferous and marine, which crops out locally at edges of mesas, followed by unnamed deposits of silt, sand, and gravel, which are inferred to crop out only locally at edges of mesas. Local unconformity separates this structure from the San Pedro Formation, which is made up of sand, gravel, silt and clay, which includes Lomita marl, Timm's Point silt, and San Pedro Sand members (Randell, p. 23). Below this are the Pico, Repetto, and Puente Formations (Randell, p. 27).

The site is part of the Long Beach Plain, an older marine plain, which is bounded on the north by Signal Hill and on the northeast by the Bixby Ranch Hill, parts of the Newport-Inglewood structure. It lies between the Dominguez Gap on the west and the Alamitos Gap on the east. The Pacific Ocean serves as its southern boundary. It was once joined to the Torrance Plain, but has been separated by the downcutting of the Los Angeles River system. It is underlain by the same kind of sediments as the Torrance Plain, as a result (DWR, pp. 27-28).

The site is located in Sections 35 and 36 of Township 4 S., Range 13 W. within the City of Long Beach, County of Los Angeles, California. This site is located on the U.S. Geologic Survey (USGS) Long Beach quadrangle (1964, photo revised 1981) topographic map. The elevation is approximately 10 feet above mean sea level. By examination of the topographic map, it is apparent that the land generally slopes west towards the Los Angeles River.

Site Hydrogeology

One of the three main stream channels for the Coastal Plain of Los Angeles County, the Los Angeles River, is approximately 200 feet west of the site and discharges into the Pacific Ocean. This river flows southerly across the plain and drains the San Fernando Valley and central basin. The second main channel, the San Gabriel River, lies about four miles to the east of the site, and drains the San Gabriel Valley and the eastern Downey Plain, before emptying into the Pacific Ocean.

The Coastal Plain of Los Angeles County is divided into four groundwater basins. These basins are generally separated from one another by geologic features which impede groundwater movement. The site is in the West Coast Basin. This basin extends southwesterly from the Newport-Inglewood uplift to the Santa Monica Bay, to Palos Verdes and to San Pedro Bay. It extends from the Ballona Excarpment and Baldwin Hills on the northwest to the county line on the southeast (DWR, p. 129). Although much of the basin has undergone extensive subsurface geologic investigation, much less is known about the Long Beach Plain because few wells have been drilled there (DWR, p. 129). However, it is believed that the aquifers in this basin have reduced capacity to contain and transmit groundwater (LADPWb, p. 10).

The depth to groundwater at the site is believed to be about 15 feet to the shallow aquifer, based on EPICS' experience at a location about 300 yards north of the SITE where a groundwater sample was obtained six months ago.

Groundwater Well Information

According to the most recent available well data records that were obtained on September 13, 1995, from Geneva Arismendy with the Los Angeles County Department of Public Works

(LACDPW), Hydraulic/Water Conservation Division, the closest active groundwater well to the site (Well #400) is located near the intersection of Hill Street and Magnolia Avenue about one mile north-northeast of the site. The last recorded depth to groundwater (measured on 10/13/94) was 20.0 feet bgs. The ground surface elevation at this location is 13.1 feet above Mean Sea Level. Thus, the water surface elevation is 6.9 feet below Mean Sea Level.

Information provided by Bob Villanueva, Senior Civil Engineer with the Long Beach Water Department, on December 8, 1995, indicates the closest active drinking water well to the site is Citizen Well #10. Its most recent measurement on March 11, 1995, indicated groundwater depth at 73 feet below ground surface and a surface elevation of about 47 feet. Therefore, the water surface elevation is 26 feet below Mean Sea Level. This well is located near Spring Street between Temple and Redondo Avenues, which is approximately four miles northeast of the site. He stated that the Water Department does not use groundwater for drinking water from wells south of Pacific Coast Highway because the water is discolored and the quality is low. Apparently, wells south of Pacific Coast Highway have not been used for a long time. The Water Department uses groundwater north of Pacific Coast Highway.

Sources

Los Angeles County Department of Public Works (LADPW), *Hydrologic Report 1992-93*, Hydraulic/Water Conservation Division, July 1994.

Los Angeles County Department of Public Works (LADPWb), Hydraulic/Water Conservation Division, *Dominguez Seawater Barrier*, undated.

Los Angeles County Flood Control District, *Coastal Plain Well Location Map: Shallow Aquifer*, 1978.

Randell, David H., et al., *Geology of the City of Long Beach, California, United States of America*, Bulletin of the Association of Engineering Geologists, Vol. XX, No. 1, 1983.

State of California Division of Oil and Gas (DOG), *California Oil and Gas Fields, Vol. II, South, Central Coastal, and Offshore California*, Second Edition, 1974, reprinted 1984.

State of California Department of Water Resources (DWR) Southern District. *Planned Utilization of the Ground Water Basins of the Coastal Plain of Los Angeles County, Appendix A: Groundwater Geology*. Bulletin No. 104. June 1961.

U.S. Geological Survey, Long Beach, California quadrangle, 1964 (photorevised 1981).

Discussions with the Long Beach Water Department, Bob Villanueva, December 8, 1995.

Discussions with the Los Angeles County Department of Public Works, Hydraulic/Water Conservation, Geneva Arismendy, on September 13, 1995.

Screening Procedures

In this instance, screening procedures are not required to determine the first boring location needed to determine the vertical extent of contamination. This is because the source of the contamination has been identified as the underground gasoline tank that was previously present at the site. The first boring (B-1) will be located as close as possible to the previous location of the underground tank. However, since the excavation is still open, for safety reasons, it may not be possible to obtain a sample directly underneath the former tank location unless the pit is less than five feet deep.

Borings B-2, B-3 and B-4 will be drilled in three lateral directions at distances of approximately fifteen to twenty feet from the source in an effort to delineate the plume by identifying areas where no contamination can be detected. See boring location map found in the Appendix. Field screening procedures will be used to determine whether or not additional borings are warranted. These procedures primarily rely upon visual observation and odor. PID readings will be used only to supplement these primary procedures.

As sampling is performed, soil from each sampler will be extruded into a zip-lock baggie, placed in the sun, and allowed to volatilize. A head space analysis will be performed as a field screening technique using a photo-ionization detector (PID) calibrated onsite using a 50 ppm hexane gas standard. After being left at ambient temperature for approximately 10 minutes, the head space in the bag will be evaluated using the PID. This instrument registers the concentration of total

organic vapors in the head space, which is an indication of the presence of volatile organic materials in the soil.

Extent of Contamination and Boring Depth

It is important to note that the nature of the work is essentially exploratory, and for this reason it is difficult to ascertain the exact number and depth of samples required to characterize the site. Most of the decisions as to the extent of necessary drilling and sampling will be made on site while the work is being performed and will be based on field observations of the soil; such as the odor, PID readings, texture, and lithology. However, based on the soil lithology and the level of contamination found underneath the tank during the tank removal, it is estimated that four borings will be needed to fully characterize the site. It is estimated that each boring will be drilled to a maximum depth of fifteen feet. It is important to note these are only estimations. The actual depth and number of borings will depend on the screening procedure described above.

Soil Cutting Disposal

Virtually no soil cuttings will be generated during the sampling and analysis procedures. Any cuttings generated will be piled onsite and covered with plastic for proper disposal with other soil onsite. If required, the appropriate Hazardous Waste Manifests will be filed and documented with the Site Assessment Report.

Sampling Plan

Soil samples will be taken from each borehole at five foot intervals as described below. A total of three samples will be taken from each borehole, plus one of groundwater. Assuming that only four borings are necessary to the depths described earlier, 14 samples will be taken. Not all these samples will be sent to a laboratory for analysis. It is estimated that three of the samples in boring B-1 will be sent to the laboratory. Two of these samples will be the soil taken at ten and fifteen feet, plus one of groundwater. It is estimated that up to two samples from each of the remaining three borings will be sent to the laboratory. These will include the samples with the highest PID readings and the deepest sample. In addition, a sample of groundwater obtained from one of the borings west of B-1 will be analyzed. This is the presumed direction of groundwater gradient (toward the river).

Sampling Protocol

Drilling

Drilling and sampling activities will be supervised by a California-registered Civil Engineer (P.E.) with extensive soils experience. A detailed log of the drilling activities and materials encountered will be maintained by the P.E. Drilling and sampling methods will follow procedures described in the California Department of Health Services Site Mitigation Decision Tree Manual (CDHS, 1986).

The boreholes will be drilled using a hand auger with a 2.25-inch diameter (O.D.) auger. The soil samples will be collected in brass sample sleeves using an 6-inch sampling tube that holds one 6-inch long sample sleeve. Advancement of the auger will be halted at the desired sample depth and the sampler will be lowered into the hole. The sampler will then be driven into the soil using a slide hammer. The number of blows required to advance the hammer 18 inches will be recorded as an indicator of the soil density and consistency.

Once water has been reached, the auger will be advanced an additional two feet and then removed. A water sample will then be pulled with a slotted-PVC bailer.

No drilling fluids will be introduced into the boreholes unless heaving sands are encountered, in which case potable water will be added. Boreholes drilled for soil sample analysis will be grouted once the drill stems are removed. The grout will consist of Portland cement mixed with 5-percent powdered bentonite.

Sampling Procedures

Soil samples for laboratory analysis will be collected from the boreholes. Data obtained for each sample will be recorded in the field and include the following:

1. Sample depth interval and the sample number.
2. Description of soil and moisture content.

3. Lithologic changes within the samples.
4. Sampler penetration and recovery lengths.
5. Number of blows per 6-inch or partial lengths.
6. PID headspace readings for the sample.

This information will be included in the borehole logs completed by the site engineer.

Equipment Decontamination

Decontamination of drilling equipment is required prior to the drilling of soil borings. This will be accomplished by washing with Alconox™, and then double-rinsing.

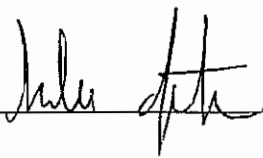
The sampler sleeves to be submitted for laboratory analysis will be capped with Teflon™ sheeting and sealed with plastic end caps. The samples will then immediately be placed into a chilled ice chest. All samples will be transported in a chilled condition to a California-certified analytical laboratory on the same day taken, maintaining proper chain-of-custody documentation. The samples will be analyzed by the lab within one week.

Selected samples will be tested for the following:

- Carbon Chain Fingerprint, using modified EPA Method 8015;
- BTEX, using EPA Method 8020; and
- Total Dissolved Solids, using EPA Method 160.1 (water only)

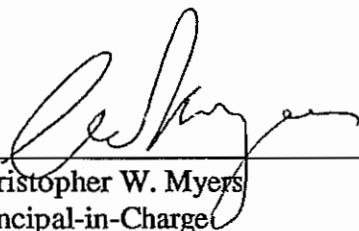
The laboratory performing the test is certified by the California Department of Health Services Environmental Laboratory Accreditation Program. The laboratory that will perform these tests is Southland Technical Services, 7801 Telegraph Road, Suite J, Montebello, CA 90640.

Certification



Salma Jetha
Project Manager

12/8/95
Date



Christopher W. Myers
Principal-in-Charge

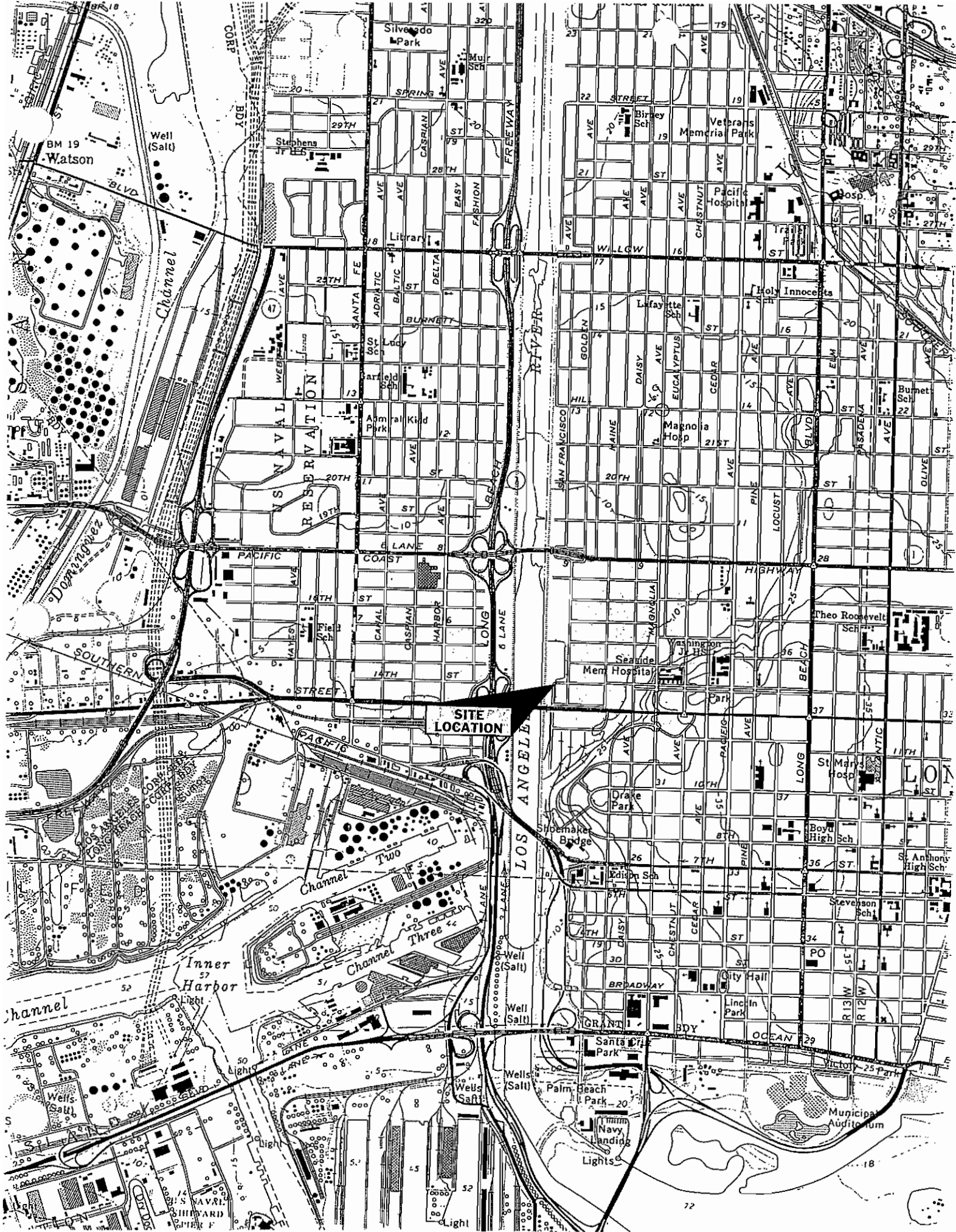
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Date

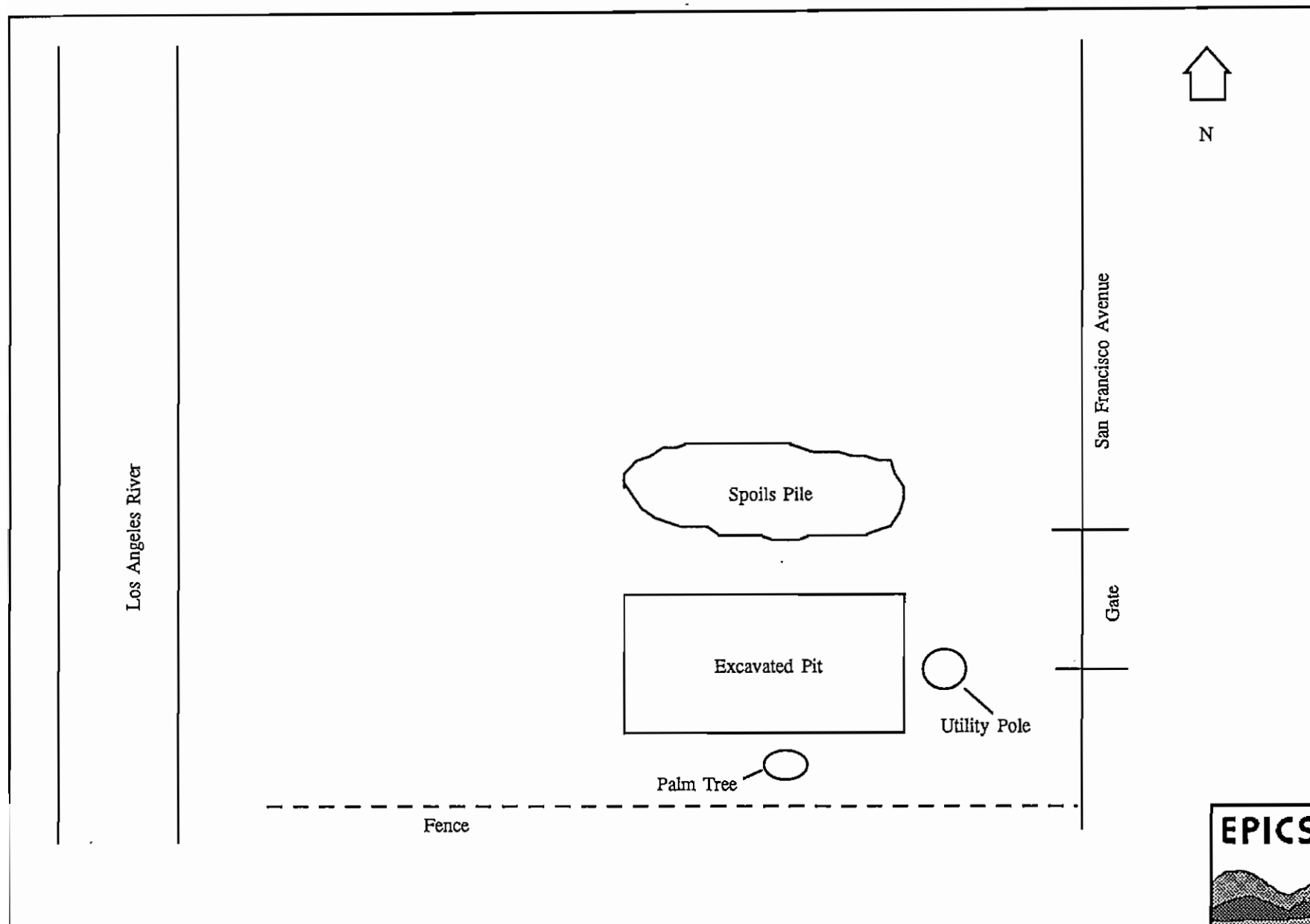
APPENDICES

Attachment 1: Site Location Map

Attachment 2: Plot Plan

Attachment 3: Boring Locations





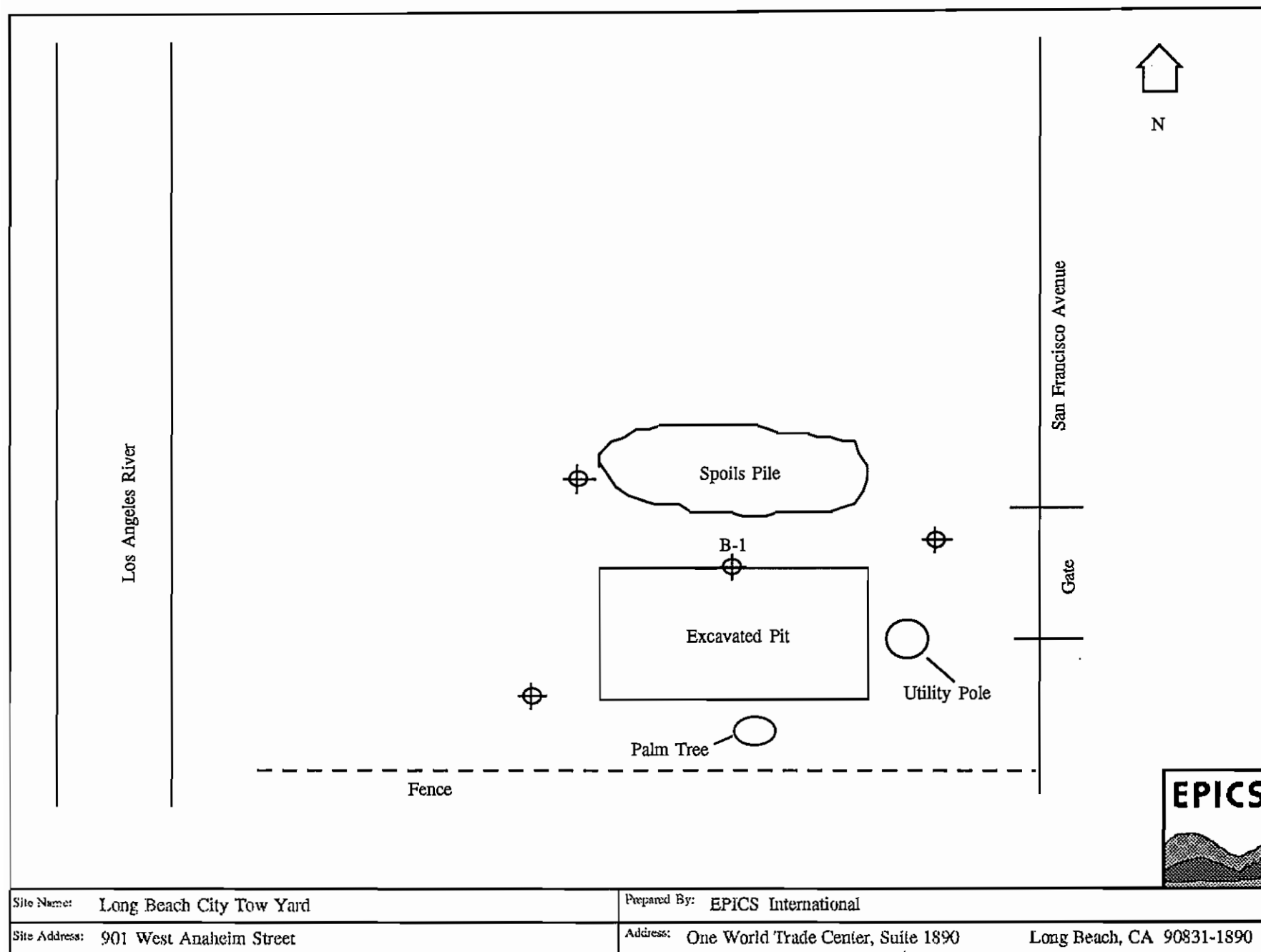
Site Name: Long Beach City Tow Yard

Prepared By: EPICS International

Site Address: 901 West Anaheim Street

Address: One World Trade Center, Suite 1890

Long Beach, CA 90831-1890



HEALTH AND SAFETY PLAN

For The

PHASE II ENVIRONMENTAL ASSESSMENT

of

GASOLINE-IMPACTED SOILS

December 8, 1995

For Property Located at:

**Long Beach City Tow Yard
901 West Anaheim Street
Long Beach, California**

Prepared by:

**EPICS International
One World Trade Center, Suite 1890
Long Beach, CA 90831-1890
phone: (310) 432-9717
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INTRODUCTION

This site-specific Health and Safety Plan (HASP) presents health and safety requirements and guidelines for performance of work for characterizing soil impacted by motor vehicle fuel at the Long Beach City Tow Yard, 901 West Anaheim Street, Long Beach, California.

This HASP is in compliance with applicable sections of 8 CCR 5192 and 29 CFR 1910.120 and is prepared for the use by EPICS International employees, consultants, and its subcontractors. This HASP will not be used for work other than that described herein; nor will it be modified or used after the expiration date without written approval by the Project Manager (PM) and the Site Safety Officer (SSO). In addition, this HASP will not be used by firms or persons not under contract to EPICS without written approval by EPICS' Site Safety Officer. This HASP is not valid unless it is signed and dated by the PM and the SSO. Subcontractors may use their own HASPs if such a provision is contained in an agreement with EPICS. General health and safety requirements prepared by subcontractors must be as stringent as those contained in this HASP.

AUTHORITY AND RESPONSIBILITIES

This section discusses the responsibilities of the Project Manager (PM), Site Safety Officer (SSO), and all other site personnel. This plan is intended for use by EPICS employees and their subcontractors only. Each contractor and subcontractor will be responsible for the safe and healthful performance of work by each of its employees and support personnel who may enter the work zone.

Project Manager (PM)

The PM has the responsibility for implementing this HASP. The PM shall comply with applicable regulations and ensure that the operations and procedures proceed according to the HASP. The PM has the authority to suspend work when the health and safety of field personnel or the public is threatened. The PM also has the authority to remove individuals from the site for engaging in activities that jeopardize the health and safety of themselves or others.

The Project Manager retains overall site authority, except in the event of personnel exposure to contaminants. The PM conducts safety meetings together with the Site Safety Officer (SSO), implements standard operating procedures for the characterization operations and works with the SSO on site to implement the HASP. The PM shall be responsible for the following:

- Inspect the work site with the SSO before work begins and periodically throughout the workday to identify predictable hazards and safeguards necessary for worker protection.
- Instruct employees on their responsibilities in the area of safety and occupational health.
- Ensure the SSO gives instructions on hazards and safety precautions to new employees when they are first employed. The PM must ensure employees are instructed in

recognizing the hazards of the job and in the methods and the means to avoid injury and illness.

- Shall not permit employees to work in an unsafe place unless for purpose of making it safe and then only after proper precautions have been taken to protect employees while doing the work.
- Require employees to use safety devices and personal protective equipment when necessary.
- Allow only those employees qualified by training or experience to operate equipment, machines, vehicles or tools.
- Report safety deficiencies and hazards to EPICS' Principal-in-Charge and the SSO.
- Submit regular, verbal reports to EPICS' Principal-in-Charge.

The PM has overall responsibility for site health and safety. The SSO is responsible for assisting the PM in carrying out the health and safety requirements detailed in this plan.

Site Safety Officer (SSO)

The Site Safety Officer reports directly to the PM and keeps him/her abreast of the daily activities. The SSO is also responsible for writing the HASP and ensuring that all employees designated to work at the site understand its content and application. The SSO ensures that all employees designated to work within the exclusion zone have participated in the 40-hour Hazardous Waste Operations and Emergency Response training course and the 8-hour annual refresher course, in accordance with 8 CCR 5192 and 29 CFR 1910.120, and have received medical clearance to work on site when required. The SSO is responsible for the following:

- Inspect equipment, machines, tools, the use of chemicals or substances or mixtures, work procedures, and work sites to identify hazards and potential hazards and maintain a documentation file of safety inspections.
- Review the provisions of this plan with all personnel involved in the project. Also ensure that the HASP is read and that the compliance sheet is signed by everyone entering the site.
- Control and enforce the use of the required Personal Protective Equipment (PPE).
- Provide technical assistance and conduct safety meetings to personnel working at the site on the safe and healthful use of chemicals, hazardous substances, and mixtures used or encountered at the work site.

- Maintain a field logbook which includes such items as working hours, names of people entering and leaving the site, instrument status, background readings, action levels reached or exceeded, and all other information relevant to health and safety at the site.
- Investigate all accidents and near misses.
- Document and keep copies of initial and subsequent accident and injury reports and review and analyze them.
- Direct day-to-day health and safety activities in the field. The SSO must be present at the work site whenever work is being performed by EPICS employees or its subcontractors. The SSO is responsible for advising the PM on health and safety matters and monitoring compliance.
- Conduct personal and environmental air monitoring as needed.
- Implement the HASP and enforce its guidelines.
- Maintain within the HASP all required worker training and medical documentation.
- Maintain a list of addresses and telephone numbers of emergency assistance units (ambulance service, police, and hospitals), and inform other members of the field team of the existence and location of this list.
- Correct any work practices or conditions that may result in injury or worker exposure to hazardous substances.
- Recommend methods of minimizing work site hazards to the degree necessary to create a safe and healthful work site.

The SSO has the authority to suspend work when the work site contains hazards which threatens the health and/or safety of field personnel or the public. The SSO may also remove individuals from the site for engaging in activities that jeopardize themselves or others.

Site Personnel

EPICS will have site personnel typically composed of a 2- or 3-person subcontractor drill crew (plus the SSO and PM). Site personnel will perform drilling activities, decontamination procedures, other work around the exclusion zone, and observe all applicable guidelines in the Health and Safety Plan. The site personnel will be responsible for the following:

- Report work-related injuries or illnesses to the SSO immediately, regardless of severity.

- Use personal protective equipment and safety devices which have been provided for use in performing work assignments, and replace or repair defective equipment items and parts.
- Report defective equipment immediately to the SSO, such as a safeguard or safety device which is not operational or is missing.
- Report unsafe or dangerous conditions in the work site to the SSO.
- Follow the HASP guidelines in addition to the standard operating procedures for the drilling operations.
- Conduct self in a professional and responsible manner while at the work site.

Responsible Individuals

Authorized EPICS International personnel for this project are:

Salma Jetha - Project Manager
Christopher W. Myers - Principal-in-Charge
Jeff Walker - Site Safety Officer

All other EPICS personnel that received the required health and safety training are authorized for site work in the event that the above mentioned individuals are unavailable.

DOCUMENTATION AND RECORDKEEPING

EPICS will obtain health and safety clearances before beginning work at the site from EPICS' Project Manager. To obtain clearance, a worker must have: (1) been certified within the past 12 months by an approved physician as being physically fit to wear respiratory protective devices and to work with hazardous chemical substances, (2) successfully completed a 40-hour basic hazardous waste site worker training course, and (3) passed a respirator fit test with irritant smoke as indicators.

EPICS' subcontractors are responsible for ensuring that their employees also have similar medical, training, and respirator fit clearance and will be required to provide proof of clearance before beginning work.

The names of all EPICS and subcontractor employees who perform work on the site will be recorded and the record maintained in the HASP.

All personnel who enter the exclusion zone must be trained to understand the potential health and safety hazards associated with their tasks. In accordance with 8 CCR 5192 and CFR 1910.120, all personnel will have received a minimum of 40-hours of initial instruction prior to entering the

exclusion zone and a minimum of three days of field experience under the direct supervision of a qualified Supervisor.

Safety Briefing

Before on-site work commences, all EPICS and subcontractor employees assigned to work on site will be briefed by the SSO on the site-specific health and safety requirements contained in this plan, as well as the job functions, potential hazards present, and the protective equipment required. The SSO giving the briefing will assess the workers knowledge and understanding of the provision of this HASP and will not allow anyone who does not appear to understand the provisions perform work in the exclusion area. The date of briefing sessions and attendees will be recorded and the records maintained in the HASP. Area safety orientation/training meetings will be convened: 1) before the field work begins on a daily basis, 2) when there are modifications to the Health and Safety Plan that are applicable to field personnel, or 3) when additional personnel begin field work. The meetings will be attended by those workers involved in carrying out the project and who will be affected by changes being implemented. The meeting agenda will include the following:

- A review of the plan.
- Verification of medical and safety training.
- Distribution of modifications to the plan.
- Attendee signatures, acknowledging receipt and understanding of the plan and the compliance agreement.

Distribution of HASP

Before the work begins, a copy of this HASP will be provided to each EPICS employee, consultant, and subcontractor assigned to work at the site, as well as to an authorized representative of each firm contracted by EPICS to perform work on site. Individuals assigned to work at the site must acknowledge receipt of the plan and agree to comply with its provisions in writing.

The following records and/or copies of records will be maintained on-site by the SSO:

- A list of personnel qualified to work.
- A sign-in sheet of all personnel entering and exiting the exclusion zone.
- This Health and Safety Plan with compliance agreements.
- Exposure monitoring data from the direct reading instruments, e.g., photo-ionization detector (PID).
- Onsite medical monitoring performed such as heat stress monitoring

Medical clearance letters, including respiratory protection certifications, are maintained in EPICS offices.

Incident Reporting

Injuries, exposures, illnesses, safety infractions, and other incidence specified in the Health and Safety Manual must be reported to EPICS within 24 hours of occurrence.

Visitor Clearances

Visitors will not be allowed within the exclusion zone, unless they comply with the safety requirements of this plan. Barrier tape, cones, or other markings will be used to mark off the exclusion zone.

Posting Requirements

The following information will be posted or readily available on site:

- The location of the overhead power line.
- Emergency phone numbers.
- Directions to the nearest hospital.
- Health & Safety Plan

SITE DESCRIPTION AND WORK ACTIVITIES

Site Description

Long Beach City Tow Yard located at 1400 San Francisco Avenue, in Long Beach, California had an underground fuel tank, four feet in diameter, removed on August 30, 1995. The tank was installed in 1945 and is believed to have contained motor vehicle fuel. The City was unaware of the existence of the tank on the property until a historical records review was completed. The site may have been a lumber yard that burned down prior to the City purchasing the property fifteen years ago. During removal, the tank, which was located 2 feet below ground surface, had visible holes. The soil beneath the tank was found to contain 7,500 ppm petroleum hydrocarbons in the gasoline range as analyzed by EPA Method 8015M and 22 ppm benzene, 17 ppm toluene, 98 ppm ethylbenzene, and 470 ppm xylene analyzed by EPA Method 8020. The spoils pile contained no detectable levels of petroleum hydrocarbons or benzene, toluene, ethylbenzene, and xylene (BTEX).

Work Activities

A Phase II site characterization entails the use of a drill rig or hand augering equipment to bore holes into the soil in order to obtain soil samples at varying depths. Typically, hollow-stem auger techniques are used to obtain undisturbed soil samples. Alternately, a hydro- or geo-punch device is used. Two or three man crews operate the drill rig while a soils engineer or geologist classifies the soil and a safety officer monitors for contamination.

Chemical Hazards

The primary chemicals of concern at this Site for worker protection are as follows:

Gasoline-impacted Soil

Gasoline releases may have taken place at the site. Gasoline petrol is a flammable petroleum fractionation. Various functional additives are blended into gasolines, but probably the most critical property is the octane number, supplied with high octane hydrocarbons and lead compounds. The major components are primarily paraffins, olefins, naphthenes, aromatics and ethyl alcohol. Gasoline may cause hyperemia (excessive blood supply) of the conjunctiva (the exposed surface of the eye) and other disturbances of the eye. It is also a skin irritant and a possible allergen. On acute inhalation, humans experience intense burning of the throat and respiratory system. At extremely high concentrations where oxygen displacement is a factor, asphyxiation may occur. Severe intoxication is accompanied by central nervous system effects, coma and convulsions with epileptiform seizures.

Benzene

Benzene is a colorless, highly flammable liquid with an odor characteristic of aromatic hydrocarbons. As an acute poison, benzene produces potent narcotic effects. Chronic exposure acts on the bone marrow to cause detectable alterations and in some cases aplastic anemia. Benzene is also characterized as a carcinogen because it causes leukemia. As with any carcinogen, exposure should be restricted to very low levels that can still be reliably measured.

Inhalation Exposure

The exposure limits of the primary chemicals of concern for worker protection are as follows:

Chemical	Exposure Limits (ppm)			
	PEL	TLV	STEL	IDLH
Gasoline	300	300	N/A	N/A
Benzene	1	0.1	150	3,000
Toluene	100	100	150	2,000
Ethylbenzene	100	100	125	2,000
Xylene	100	100	150	1,000

PELs are permissible exposure limits established by the California Division of Industrial Relations (Cal/OSHA).

TLVs (Threshold Limit Values) are exposure guidelines associated with occupational exposures to various compounds for 8-hour work day/40-hour work week situations, as adopted by the American Conference of Governmental Industrial Hygienists (ACGIH, 1991-1992).

STELs (short-term exposure limits) are the maximum exposure over a fifteen minute time period.

IDLH (Immediately dangerous to life or health) represents the maximum concentration from which, in the event of respirator failure, one could escape within thirty minutes without a respirator and without experiencing any escape-impairing or irreversible health effects.

Benzene is a suspected carcinogen in humans. It is not anticipated that airborne levels of site contaminants will pose a threat to employees. However, half-face air-purifying respirators with high efficiency organic vapor cartridges will be kept on hand for the duration of the project.

Dermal Exposure

Direct skin contact with site contaminants may cause irritation and dermatitis. There is a potential for further exposure if the skin is broken. Contact shall be avoided by wearing protective gloves, steel-toed boots, and protective clothing. However, if contact does occur, the exposed areas shall be washed with soap and water and rinsed thoroughly, as soon as possible.

Ingestion Exposure

Site contaminants can enter the body by ingestion causing internal tissue damage. Therefore, drinking, eating, and smoking will not be allowed within the exclusion zone. Prior to eating or before leaving the site, personnel will wash their hands and faces. Smoking is NOT allowed on the site, except in areas designated for that purpose.

Eye, Foot, Head and Back Protection

While working in the exclusion zone foot protection will be provided by steel-toed work boots. Safety glasses will be worn at all times while working at the property. Hard hats are required at all times within the exclusion zone site. In the event continuous heavy lifting is required, back support will be used.

Physical Hazards

The physical hazards associated with the project include noise, falling, tripping, fire hazard/explosion, heavy equipment operation, buried utilities, traffic, powered hand tool, and trenching and excavation.

Noise

Working near mechanical equipment can subject workers to excessive levels of noise. Ideally, personnel who do not need to be next to noisy equipment should stay as far away as possible to lower their risk to noise-induced hearing loss. Site personnel who must work next to this equipment will wear hearing protection such as ear plugs or muffs to reduce their exposure. Whenever noise levels exceed the time weighted average of 85 D.B.A. over the 8-hour workday, the employees are automatically included in the Company's Hearing Conservation Program whereupon audiograms are provided and hearing protectors are required. Exposure near or above this level is not expected to occur during this project

Falling and Tripping

The work area may become cluttered with equipment. These situations can result in workers falling or tripping and subsequently injuring themselves. To reduce this risk, the SSO will report trip hazards to the crew's foreman, and have them immediately taken care of.

Fire Hazard/Explosion

If gasoline contaminants are on-site, they could possibly create a volatile environment, therefore, no open flame or smoking will be allowed within the exclusion zone.

Measurements of the total airborne organic level will be taken with a photo-ionization detector (PID) for health purposes. Because excessive PID levels will cause adverse health effects well before explosive levels are reached and combined space entry will not be performed, a combustible gas indicator (CGI) will not be necessary.

If excessive PID readings are present (see Direct Reading Equipment Monitoring section), evacuation of the area will be performed as follows:

- Extinguish all possible ignition sources in the work area. Shut down electrically and fuel-powered motors.
- Move personnel at least 100 feet away from work area.
- Contact the SSO

Heavy Equipment

Drill rigs are typically used to drill bore holes in order to obtain soil samples at the job site. Operators must be cognizant of their surroundings while operating all mechanized equipment. In all cases, rotating shafts or gears should be covered to protect accidental contact. In some cases, where rotating parts cannot be adequately guarded, only experienced operators should be allowed to work around these rotating parts. Personnel who must work around rotating equipment should not wear loose fitting clothes that could become easily caught. Personnel operating the heavy equipment must be trained.

Utilities

Special precaution must be taken when drilling on a site with electrical power lines and other utilities in the vicinity. Electricity can shock, burn, and result in death. Overhead and buried utilities should be located, noted, and emphasized on all boring location plans and assignment sheets. No work will be performed where equipment, such as a drill rig, could come into contact with, or be within 25 feet of, any overhead power lines.

There is an overhead power line which runs east to west over the excavated pit at the subject property. The overhead power line is about 25 feet above the pit. For this reason, a drill rig is not being used during the soils investigation. Instead, hand augering equipment will be used. The

SSO will review with the site personnel the location of the overhead power line and all necessary precautions to prevent any injuries.

Underground electrical lines are as dangerous as overhead lines. Be aware and always suspect the existence of underground utilities such as electrical power, gas, petroleum, telephone, sewer, and water. Ask for assistance:

- If a sign warning of underground utilities is located on a site boundary; do not assume that underground utilities are located on or near the boundary or property line under the sign: Telephone the utility company and check it out. The underground utilities may be a considerable distance away from the warning sign.
- Always contact the owners of the utility lines or the nearest underground utility location service before digging. The utility personnel should determine the location of underground lines, and mark and flag these locations. Determine, with the utility personnel what specific precautions must be taken to assure safety.

There may be a number of buried electrical and telephone transmission lines at the site. The underground utility locations must be found and marked by a utility locator source prior to digging operations. The boring locations will be shifted if necessary to avoid the underground obstructions. If the boring is done in an area not previously surveyed by a utility locator source, the initial five feet will be drilled by hand rather than a hollow stem auger.

Traffic

The possibility of an individual being injured or struck by vehicular traffic must be considered. Therefore, personnel must always be alert when moving vehicles from a protected area. In addition, barricades and devices must be used to warn traffic. Individuals that are directing or controlling traffic should wear a bright reflector vest to become more visible to drivers.

Hand Tools

Hand tools such as a concrete cutting saw may be used to accomplish the work tasks. All personnel operating this piece of equipment, or any other hand tool, must be familiar with all safety features of the equipment as well as adequately trained in its use. The following are some generic safety guidelines:

- Keep all tools clean and check the condition before you use them. If heads of striking tools become mushroomed or burred, have them dressed. If handles are splintered, broken or loose, have them replaced before you use the tool.
- Use the proper tool for the job to be accomplished. If the tool requires too much exertion, it is not the right tool.
- Position your hands so that your fingers do not get smashed if the wrench slips or the connection suddenly loosens or "breaks".

- Carrying tools in your pockets is dangerous, especially if the tool are sharp or pointed. Always use a tool kit or tool belt when carrying tools.
- Tools and equipment powered by electricity, compressed air or compressed gases can be dangerous to you and may cause serious injury to others if not properly handled. Only properly trained, authorized and qualified people are allowed to operate this equipment.
- Guards shall be kept in place at all times except when making repairs. When making repairs or adjustments, all hand held power tools must be unplugged or disengaged from the power source. Stationery power tools must be properly locked out when making repairs or making adjustments.

Open Pits and Excavations

The location where the former underground tank was removed is now an open, 5-foot deep pit, measuring approximately 10' x 10' in size at the surface. It is bordered by a chain link fence on the south side. The utility pole is located about three feet from the edge of the excavation on the east side.

Preparation

Prior to initiating any work, it will be the responsibility of the PM to locate and mark all existing utilities. The PM will notify owners or operators of project site at least two days before starting work. If utilities cannot be located prior to excavation by a utility company, all possible care should be used.

Any open excavations will be covered and/or fenced to prevent worker injury.

All natural surface obstacles (trees, boulders, poles) shall be made safe or removed before starting any drilling.

Of the hazards or hazardous situations noted in this section, there does not appear to be any situation that cannot be adequately controlled. Physical hazards can be minimized by educating the workers about the potential hazards and limiting access to the work area. Chemical hazards can be reduced or controlled by educating the workers about the hazards, using protective equipment supplemented with air monitoring and implementing safe work practices.

AREA CONTROL

Access to a 25' perimeter around the drill rig, decontamination area, and monitoring area will be controlled to reduce the probability of occurrence of physical injury and chemical exposure of field personnel, visitors and the public. This area is known as the exclusion zone. The outer boundary of the exclusion zone will be established according to the location of the drill rig or related equipment. The perimeter will be clearly marked by physical barriers. Access control is established at the periphery of the exclusion zone to regulate the flow of personnel and equipment into and out of the zone and to verify implementation of proper entering and exiting procedures. No one will be allowed into the exclusion zone without the appropriate protective equipment and required training.

The boundaries of the exclusion area will be identified by barricades, or emergency traffic cones or posts, depending on the conditions. If such areas are left unattended, signs warning of the danger and forbidding entry will be placed around the perimeter of the area. This is especially important if the work areas are accessible to the public. Trenches and other large holes will be guarded with wooden or metal barricades spaced no further than 20 feet apart and connected with yellow or yellow and black nylon tape not less than $\frac{3}{4}$ of an inch wide. The barricades will be placed no less than two feet from the edge of excavation or hole.

Entry to exclusion area will be limited to individuals who must work in those areas. Unofficial visitors will not be permitted to enter the area while work is in progress. Official visitors will be discouraged from entering the area, but may be allowed to enter only if they agree to abide by the provisions of this document, follow orders issued by the SSO, and are informed of the potential dangers that could be encountered in the area.

PERSONAL PROTECTIVE EQUIPMENT

The equipment listed below will be available on-site for use when needed:

- + NIOSH-approved **Half-Face Air Purifying Respirators with organic vapor cartridges** (for use only as needed by personnel covered by and trained under EPICS' Respiratory Protection Program).
- + **Protective clothing** such as Tyvex, as appropriate, will be worn while handling contaminated materials
- + **Latex or leather Gloves** will be worn when handling contaminated materials.
- + **Steel-toed boots** must be worn at all times within the exclusion zone.
- + **Earplugs** will be worn by all individuals working around mechanized equipment, when required.
- + A **First Aid Kit** will be available at the site to assist with small scale injuries.
- + **Dry chemical or CO₂ fire extinguishers** will be available at the site and placed in a readily accessible location.
- + **Barricades** will be established to designate the decontamination and exclusion zone areas.

Facial hair must not interfere with respiratory protection equipment. Beards or mustaches that interfere with the seal of the mask will not be permitted on the site.

The "Buddy System" shall be used on site to:

- Warn partner of an impending hazard.
- Provide aid in case of injury, and notify appropriate personnel of accidents.

DECONTAMINATION PROCEDURES

Decontamination of equipment and personnel is necessary to confine the contaminants to the exclusion zone. Prior to leaving the exclusion zone, all major equipment, tools and materials will be cleaned to remove grease, oil, or encrusted dirt. EPICS will provide the necessary components for personnel and equipment decontamination.

Personal Decontamination

A decontamination station and procedure will be established by the SSO during site mobilization. The procedure will consist of a dry decontamination where all gloves, protective clothing and boots will be brushed clean.

Prior to eating and drinking, personnel will wash their hands and faces with soap and water. All contaminated water will be left onsite for the duration of the job.

Affected materials should be removed from skin using a mild detergent and water. Hot water is more effective than cold water and liquid dish washing detergent is more effective than hand soap.

Equipment Decontamination

All major reusable equipment and other tools used for work will be decontaminated prior to leaving the exclusion zone. Equipment will be decontaminated with a 2-bucket wash system: the first bucket being tap water and Alconox solution, and the second being tap water.

DIRECT READING EQUIPMENT/MONITORING

The following direct reading instruments will be on site:

- PID - is the preferred instrument for monitoring total organic vapor concentrations at the site during trenching/excavation operations. At each monitoring location, the ambient background reading (15 minute average) will be measured upwind of the work zone.

Vapor monitoring will be performed as often as necessary and wherever necessary to protect field personnel from hazardous vapors. Monitoring must be performed by individuals trained in the use and care of the required instruments. Due to the fact that toxicity levels are considerably lower than explosivity action levels, monitoring efforts should focus initially on detection of toxic vapors. The presence of explosive levels of gases and vapors should be performed only when gas/vapor concentrations exceed the ppm range of the monitoring instruments and when explosive levels are expected (e.g., inside tanks and other enclosed spaces).

The sample intake orifice or the detector must be positioned in a safe place downwind of the borehole and the instrument alarm should be set to sound at the action level. If the alarm sounds while monitoring for toxic concentrations the sample orifice or detector should be moved so that vapor concentrations in the breathing zone of individuals closest to the excavation are measured. Decisions regarding respirator use should be based on breathing zone vapor concentrations.

Draeger tubes will be available, if needed, for detecting benzene and will be used periodically during activities within the contaminated zones. Colorimetric tubes capable of measuring concentrations of 0.5 to 10 ppm benzene will be maintained on site for this purpose.

The typical variation of detector tubes varies from 10 to 30 percent, depending on the compounds of concern and the concentration ranges measured. Detector tubes are designed for concentration levels at or around the Threshold Limit Value (TLV) for each respective substance.

Each of the response levels and associated actions are described below:

PETROLEUM PRODUCT RESPONSE CRITERIA

Petroleum Products as total Hydrocarbons using a PID	Sample Frequency	Action Taken
THC < 300 ppm and Benzene < 0.1 ppm	30 Minutes	Implement Engineering Controls
300 ppm ≤ THC < 3,000 ppm or 0.1 ppm ≤ Benzene < 10 ppm	30 Minutes	Use Half-face Respirators
THC ≥ 3,000 ppm or Benzene ≥ 10 ppm	30 Minutes	Leave Area

EMERGENCY NOTIFICATION AND REPORTING

The SSO is trained to render basic first aid. Every injury will be reported, investigated and entered in the field log. In the event of fire, explosion, accident or injury, the SSO or other site personnel will contact the appropriate emergency response group. The emergency telephone listed below are for obtaining emergency services at St. Mary's Hospital. Emergency Notification List

- | | |
|----------------------------------|-----------------------|
| 1. EPICS Principal-in-Charge | Office (310) 432-9717 |
| Contact: Christopher W. Myers | Mobile (310) 780-7036 |
| 2. EPICS Project Manager | Office (310) 432-9717 |
| Contact: Salma Jetha | |
| 3. EPICS Site Safety Officer | Office (310) 432-9717 |
| Contact: Jeff Walker | |
| 4. Fire/Paramedics | 911 |
| 5. Police | 911 |
| 6. Poison Control | 911 |
| 7. Hospital- St. Mary's Hospital | |
| 1050 Linden Avenue | |
| Long Beach, CA 90801 | |
| (310) 491-9000 | |

Directions to Hospital:

Go south on San Francisco Avenue. Turn east (left) onto 14th Street. Turn south (right) onto Atlantic Avenue. The hospital is between 11th and 10th Streets on the right hand side.

**Health And Safety Plan
For The Site Characterization At Long Beach City Tow Yard
901 West Anaheim Street
Long Beach, California**

Project Number: 2302

Project Manager: Salma Jetha

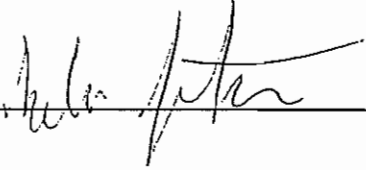
Principal-in-Charge: Christopher W. Myers

Site Health & Safety Officer: Jeff Walker

Start Date: 12/14/95

HASP Expiration Date: 6/14/96

APPROVALS:

Project Manager  **Date** 12/8/95

HEALTH AND SAFETY COMPLIANCE AGREEMENT

Project Number: 2302
Site Name: Long Beach City Tow Yard
Site Location: 901 West Anaheim Street
Date: December 8, 1995
Project Manager: Salma Jetha
Principal-in-Charge: Christopher W. Myers
Site Safety Officer: Jeff Walker

I, the undersigned, have received a copy of the Health and Safety Plan prepared by EPICS International for the project identified above. I have read the plan, understand it, and agree to comply with all of the health and safety requirements contained in the plan. I understand that I may be prohibited from working on the project for violating any of the requirements.

NAME _____

SIGNATURE

DATE _____

[illegible]

CITY OF LONG BEACH, CALIFORNIA
DEPARTMENT OF PUBLIC HEALTH
PERMIT TO OPERATE

No. 95-12-03

Date Dec 15, 1995

The Health Department hereby authorizes the permittee named below to operate a

Site Characterization at 901 West Anaheim Street

in conformity with existing ordinances regulating public health and sanitation.

THIS PERMIT NOT TRANSFERABLE, and may be suspended or revoked for just cause.

Permit expires ~~one year from~~ 90 Days From Issuance

Granted to: EPICS International

Doing Business as: same

One World Trade Center, Suite 1890

Long Beach, California 90831-2870

Health Officer: Darryl Sexton, M.D.

**THIS PERMIT MUST
BE KEPT POSTED
IN A CONSPICUOUS
PLACE AT ABOVE
ADDRESS**

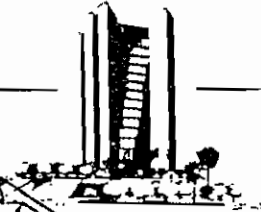
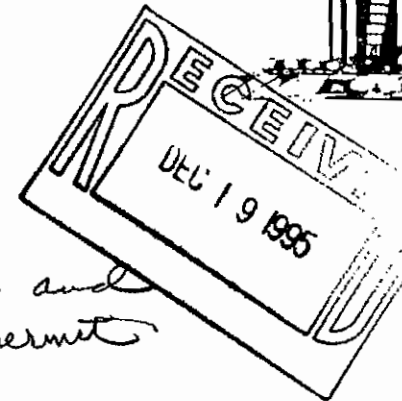
HL-611 (6/85)

M. MORANDUM

date:
to: Carmen Piro
from: AK
subject:

Thank you for your time and
assistance regarding this permit

AK



long beach, ca

SF-52

CITY OF LONG BEACH, DEPARTMENT OF HEALTH AND HUMAN SERVICES

HAZARDOUS MATERIALS DIVISION

DATE 10-10-95

PERMIT APPLICATION

PERMIT NO. _____

C.T. 5754DT: 643TYPE OF PERMIT Site Characterization JOB NO. _____LOCATION 901 West Anaheim StreetTYPE OF ESTABLISHMENT City of Long Beach DBA Towing YardOWNER City of Long Beach Fleet Services Bureau attn David McCarty
RESIDENCE ADDRESS _____ PHONE _____
BUSINESS ADDRESS 2801 E. Willow Street L.B. 90806 PHONE 570-5410ENVIRONMENTAL CONSULTANT EPICS International One World Trade Center, Suite 1890, LB 432-9717
BUSINESS ADDRESS _____ PHONE _____SUB CONTRACTOR David McCarty 2801 E. Willow St. L.B. 570-5410
BUSINESS ADDRESS _____ PHONE _____STARTING DATE 12/14/95 EXPIRATION DATE 03/14/96PRINT NAME C. Myers SIGNATURE David McCarty

**FINAL SITE CHARACTERIZATION
REPORT**

For The

PHASE II ENVIRONMENTAL ASSESSMENT

Of

GASOLINE-IMPACTED SOILS

January 31, 1996

For Property Located at:

**Long Beach City Tow Yard
901 West Anaheim Street
Long Beach, California**

Prepared by:

**EPICS International
One World Trade Center, Suite 1890
Long Beach, CA 90831-1890
phone: (310) 432-9717
fax: (310) 432-4113**

**e-mail: inquiry@epics.com
web page: <http://www.epics.com>**

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Site Information

Long Beach City Tow Yard, located at 901 West Anaheim Street, in Long Beach, California, had one 550-gallon underground storage tank removed on August 30, 1995. The tank was pitted with holes. When the tank was removed, soil samples were collected underneath the tank and from the excavated soil pile and analyzed. According to an analytical report dated August 31, 1995, prepared by Fullerton Environmental Laboratory, the soil underneath the tank contained elevated levels of total petroleum hydrocarbons (TPH) as gasoline and benzene, toluene, ethylbenzene, and xylenes (BTEX). Specifically, 7,500 ppm of gasoline, 22 ppm of benzene, 17 ppm of toluene, 98 ppm of ethylbenzene, and 470 ppm xylenes were detected in the soil underneath the tank at a depth of eight feet below ground surface. No detectable levels of gasoline or BTEX were found in the spoils pile which was composed of soil from around the sides and on top of the tank. (See Exhibit G for a copy of the chain-of-custody and laboratory report, as well as the Long Beach Fire Department Inspection Report.) Because of these elevated levels, further assessment was required to determine the extent of the elevated levels of gasoline and BTEX.

The City Tow Yard is owned by the City of Long Beach and is maintained by the Fleet Services Bureau, 2801 East Willow Street, Long Beach, CA 90806. The Fleet Services Supervisor for this site is David McCarty, (310) 570-5410. A plot plan of the facility may be found in Exhibit A.

EPICS International was retained by the City of Long Beach to perform a characterization of the site in order 1) to determine the vertical and horizontal extent of contamination at the site; 2) to determine the concentration and type of contamination involved; and 3) to determine if groundwater has been impacted. This report serves as the Final Site Characterization Report for the impacted soil.

All work performed by EPICS International was done in accordance with all applicable local, state, and federal laws and regulations. EPICS submitted an Initial Assessment Report as a

workplan for this project to the City of Long Beach Department of Health and Human Services on December 11, 1995. A copy of the Permit-to-Operate for site characterization issued by the City of Long Beach Department of Public Health covering this work can be found in Exhibit 2.

Prior to beginning work onsite, EPICS notified the City of Long Beach Department of Health and Human Services and Underground Services Alert to mark subsurface utilities in the proposed drilling areas.

Environmental Setting

Site Geology

Regionally, the site is within the southwestern portion of the Coastal Plain of Los Angeles County, which is bounded by the Santa Monica Mountains on the north, the Elysian, Repetto, Merced, and Puente Hills on the northeast, and the Pacific Ocean on the south and west. The City of Long Beach is located near the southern boundary of the plain. Therefore, the tectonic setting, structure and stratigraphy here parallel that of the plain as a whole. The most visible geologic structure in the city is the Newport-Inglewood structural zone, which runs from Beverly Hills southeast to Newport Beach. Its major surface features include the Baldwin Hills, Dominguez Hills, and Signal Hill. This zone divides the city diagonally and separates the basin's primary southwestern and central structural blocks. This zone has been recognized as an effective, near-surface groundwater barrier (Randell, p. 21).

Surficial deposits in the area of the site are believed to be from the Terrace Cover structure, comprising reddish-brown sand, nonfossiliferous and probably largely continental. The stratigraphy below this is Palos Verdes Sand, comprising sand and some pebble gravel, fossiliferous and marine, which crops out locally at edges of mesas, followed by unnamed deposits of silt, sand, and gravel, which are inferred to crop out only locally at edges of mesas. Local unconformity separates this structure from the San Pedro Formation, which is made up of sand, gravel, silt and clay, which includes Lomita marl, Timm's Point silt, and San Pedro

Sand members (Randell, p. 23). Below this are the Pico, Repetto, and Puente Formations (Randell, p. 27).

The site is part of the Long Beach Plain, an older marine plain, which is bounded on the north by Signal Hill and on the northeast by the Bixby Ranch Hill, parts of the Newport-Inglewood structure. It lies between the Dominguez Gap on the west and the Alamitos Gap on the east. The Pacific Ocean serves as its southern boundary. The Long Beach Plain was once joined to the Torrance Plain, but has been separated by the downcutting of the Los Angeles River system. As a result, it is underlain by the same kind of sediments as the Torrance Plain (DWR, pp. 27-28).

The site is located in Sections 35 and 36 of Township 4 S., Range 13 W. within the City of Long Beach, County of Los Angeles, California. This site is located on the U.S. Geologic Survey (USGS) Long Beach quadrangle (1964, photo revised 1981) topographic map (see Exhibit 3). The elevation is approximately 10 feet above mean sea level. By examination of the topographic map, it is apparent that the land generally slopes west towards the Los Angeles River.

Site Hydrogeology

One of the three main stream channels for the Coastal Plain of Los Angeles County, the Los Angeles River, is approximately 200 feet west of the site and discharges into the Pacific Ocean. This river flows southerly across the plain and drains the San Fernando Valley and central basin. The second main channel, the San Gabriel River, lies about four miles to the east of the site, and drains the San Gabriel Valley and the eastern Downey Plain, before emptying into the Pacific Ocean.

The Coastal Plain of Los Angeles County is divided into four groundwater basins. These basins are generally separated from one another by geologic features which impede groundwater movement. The site is in the West Coast Basin. This basin extends southwesterly from the Newport-Inglewood uplift to the Santa Monica Bay, to Palos Verdes

and to San Pedro Bay. It extends from the Ballona Excarpment and Baldwin Hills on the northwest to the county line on the southeast (DWR, p. 129). Although much of the basin has undergone extensive subsurface geologic investigation, much less is known about the Long Beach Plain because few wells have been drilled there (DWR, p. 129). However, it is believed that the aquifers in this basin have reduced capacity to contain and transmit groundwater (LADPWb, p. 10).

The depth to groundwater at the site was believed to be about 15 feet below the ground surface, based on EPICS' experience at a location about 300 yards north of the SITE where a groundwater sample was obtained six months ago. However, groundwater was encountered during this investigation at about eight feet below ground surface.

Groundwater Well Information

According to the most recently available well data records that were obtained on September 13, 1995 from Geneva Arismendy with the Los Angeles County Department of Public Works (LACDPW), Hydraulic/Water Conservation Division, the closest active groundwater well to the site, (Well #400) is located near the intersection of Hill Street and Magnolia Avenue about one mile north-northeast of the site. The last recorded depth to groundwater (measured on 10/13/94) was 20.0 feet bgs. The ground surface elevation at this location is 13.1 feet above Mean Sea Level. Thus, the water surface elevation at this location is 6.9 feet below Mean Sea Level.

Information provided by Bob Villanueva, Senior Civil Engineer with the Long Beach Water Department, on December 8, 1995, indicates the closest active drinking water well to the site is Citizen Well #10. Its most recent measurement on March 11, 1995, indicated groundwater depth at 73 feet below ground surface and a surface elevation of about 47 feet. Therefore, the water surface elevation is 26 feet below Mean Sea Level. This well is located near Spring Street between Temple and Redondo Avenues, which is approximately four miles northeast of the site. He stated that the Water Department does not use groundwater for drinking water from wells south of Pacific Coast Highway because the water is discolored and the quality is

low. Apparently, wells south of Pacific Coast Highway have not been used for a long time. The Water Department uses groundwater north of Pacific Coast Highway.

Sources

Los Angeles County Department of Public Works (LADPW), *Hydrologic Report 1992-93*, Hydraulic/Water Conservation Division, July 1994.

Los Angeles County Department of Public Works (LADPWb), Hydraulic/Water Conservation Division, *Dominguez Seawater Barrier*, undated.

Los Angeles County Flood Control District, *Coastal Plain Well Location Map: Shallow Aquifer*, 1978.

Randell, David H., et al., *Geology of the City of Long Beach, California, United States of America*, Bulletin of the Association of Engineering Geologists, Vol. XX, No. 1, 1983.

State of California Division of Oil and Gas (DOG), *California Oil and Gas Fields, Vol. II, South, Central Coastal, and Offshore California*, Second Edition, 1974, reprinted 1984.

State of California Department of Water Resources (DWR) Southern District, *Planned Utilization of the Ground Water Basins of the Coastal Plain of Los Angeles County, Appendix A: Groundwater Geology*. Bulletin No. 104. June 1961.

U.S. Geological Survey, Long Beach, California quadrangle, 1964 (photorevised 1981).

Discussions with the Long Beach Water Department, Bob Villanueva, December 8, 1995.

Discussions with the Los Angeles County Department of Public Works, Hydraulic/Water Conservation, Geneva Arismendy, on September 13, 1995.

Screening Procedures

The source of the contamination has been identified as the 550-gallon underground fuel tank that was previously present at the site. Site characterization efforts occurred on December 14, 1995 and January 18, 1996. Soil samples were collected from six soil borings excavated

at the site and three samples were collected from the beneath the exposed surfaces of the excavation; the locations of these borings and samples can be found in Exhibit D. The first boring (B-1) was located adjacent to the excavated pit, in the southwest corner. Borings B-2, B-3, B-4 and B-5 were drilled in four lateral directions at distances of approximately 20 feet, 15 feet, 20 feet, and seven feet, respectively, from the center of the excavation. Boring B-6 was drilled approximately six feet from the center of the excavation near the southeast corner, and approximately 14 feet from Boring B-4. These locations were chosen in an effort to delineate the plume by identifying areas where no contamination would be detected.

In addition, soil samples were collected from the north and south sidewalls of the excavation at a depth of six feet below ground surface (and one foot depth into the exposed sides of the excavation). One additional soil sample was collected from the center of the excavation at a depth of approximately 10 feet below ground surface (and five feet below the exposed excavation).

Field screening procedures used to determine the location of borings and total depth primarily consisted of visual observation and odor. A photoionization detector (PID) was also used to supplement these screening techniques. As sampling was performed, a portion of the soil from each sampler was extruded into a zip-lock baggie, placed in the sun, and allowed to volatilize. A head space analysis was performed using a PID calibrated to a 100 ppm isobutylene standard. After being left at ambient temperature for approximately 10 minutes, the head space in the bag was evaluated using the PID. This instrument registers the concentration of total organic vapors in the head space, which is an indication of the presence of volatile organic materials in the soil. PID readings generally increased with depth.

Boring Depth

Borings B-1, B-3, B-4, B-5 and B-6 were advanced to 10 feet below the ground surface. Boring B-2 was advanced to a depth of 13 feet below the ground surface. Groundwater was encountered in all six borings. The depth to water was measured at approximately eight feet below ground surface in Borings B-2 and B-3. The depth to water in Borings B-4, B-5, and

B-6 was measured at approximately 8.5 feet below ground surface. Borings B-5 and B-6 were drilled a few days after a light rainfall, whereas Borings B-1, B-2, B-3 and B-4 were drilled the day following a moderate rainfall.

Soil Cutting Disposal

Because hand augering techniques were used to drill the borings, very small quantities of soil cuttings were generated during the sampling and analysis procedures. Cuttings that were determined to be clean based on visual and olfactory inspection were backfilled into the boring. Potentially contaminated cuttings were piled onsite and covered with plastic for proper disposal with other soil onsite.

Sampling Plan

Soil samples were taken from each borehole at five foot intervals as described below. The number of samples taken depended on the depth of each boring. Two soil samples were taken from Borings B-1, B-3, B-4, B-5 and B-6. Three soil samples were collected from B-3. A single sample was taken from the north and south sidewalls of the excavation and from the bottom center. All of the soil samples were analyzed for the full carbon chain fingerprint (EPA Method 8015M) and BTEX (EPA Method 8020).

Groundwater samples were also collected from Borings B-1, B-2, B-3, B-5 and B-6 at the air-water interface. All five of these samples were also analyzed for the full carbon chain fingerprint (EPA Method 8015M) and BTEX (EPA Method 602). No groundwater sample was taken from Boring B-4, although both the soil and water at that location had hydrocarbon odor.

Sampling Protocol

Drilling

Drilling and sampling activities were supervised by a California-Registered Civil Engineer (P.E.) with extensive soils engineering experience. A detailed log of the drilling activities and materials encountered were maintained by the P.E. (see Exhibit E). Drilling and sampling

methods followed procedures described in the California Department of Health Services Site Mitigation Decision Tree Manual (CDHS, 1986).

The boreholes were drilled using a hand auger, primarily because of an electrical line running directly over the excavated pit in an east to west direction. No drilling fluids were introduced into the boreholes. Rubble fill was encountered in the first three feet below the ground surface (except at Boring B-5). An electric-powered jack hammer was required to break through the asphalt surface and to assist in digging through this rubble. Drilling was performed to document hydrologic conditions, lithologically log the borehole, and allow collection of subsurface soil and water samples for chemical analysis.

All boreholes drilled during this characterization were backfilled with bentonite chips and hydrated with water, with the last one or two feet backfilled with soil.

Sampling Procedures

Soil samples and groundwater samples were collected from the boreholes for laboratory analysis. Soil samples were obtained at intervals of five feet. After the auger was advanced to the desired depth, a 2-inch (O.D.) diameter soil sampler containing one 6-inch-long by 1.875-inch diameter brass sleeve was lowered into the borehole. The sampler was driven into the soil using a slide hammer. After the sampler was advanced 6 inches, it was brought to the surface and the brass sample sleeve was removed. Both ends of the sample sleeve were immediately sealed with Teflon™ and plastic end caps. Soil samples were labeled and held in a chilled ice chest for transport to the laboratory.

Data obtained for each sample was recorded in the field and included the following:

1. Sample depth interval and the sample number.
2. Description of soil and moisture condition.
3. Lithologic changes within the samples.
4. Sampler penetration and recovery lengths.

This information is included in the borehole logs completed by the site engineer (Exhibit E).

Groundwater samples were collected from Borings B-1, B-2, B-3, B-5 and B-6. Once water was reached, the auger was advanced an additional two feet and then removed. Water samples were pulled with a single-use PVC bailer and transferred to two 40mL glass VOA vials. The sample was labeled with the boring number and depth and stored in a chilled ice chest for transport to the state certified laboratory.

Equipment Decontamination

Decontamination of drilling equipment was accomplished by washing with a one-percent AlconoxTM and water mixture and then double-rinsing with potable water. The soil sampler was decontaminated after each sample was collected following the above procedures.

Laboratory Results

At the completion of field activities, all samples were kept in a chilled condition until pickup by Southland Technical Services, a California-certified analytical laboratory located at 7801 Telegraph Road, Suite J, Montebello, CA 90640. Southland Technical Services is certified by the California Department of Health Services Environmental Laboratory Accreditation Program. Proper chain-of-custody documentation was maintained throughout the process. The samples were analyzed by the lab within one week (refer to Exhibit 6 for Chain-of-Custody & Lab Results).

Selected samples were tested for the following:

- Carbon Chain Fingerprint, using modified EPA Method 8015;
- BTEX, using EPA Method 8020 for soil and EPA Method 602 for water; and
- Total Dissolved Solids, using EPA Method 160.1 (water only)

The results of the analysis show that Boring B-2 is the only boring in which both the soil and groundwater do not contain TPH and BTEX above the laboratory detection limits or

regulated levels. The extent of contamination in the other borings varies. The results of the analytical testing performed on soil and water samples are reported in Table 1 and Table 2, respectively. In both tables, entries are in bold where the value exceeds the California Regional Water Quality Control Board, Los Angeles Region action threshold for petroleum contamination within 40 feet of a drinking water supply. (Note: Even though groundwater in the area of the site is not used for drinking water, and is not considered a potential drinking water source by the City of Long Beach Water Department, Board policy to treat all groundwater as potential drinking water sources unless the Total Dissolved Solids exceeds 3,000 ppm, deliverability is less than 200 gallons per day, or the existing contamination cannot be reasonably treated. The TDS level for the groundwater sampled from Boring B-1A is 1,800 ppm.)

Table 1. Soil Sample Analysis mg/kg (ppm)

Sample	Gasoline (C4-C12)	Diesel (C13-C23)	Motor Oil (C24-C40)	Benzene	Toluene	Ethylbenzene	Xylenes
B-1, 5.5'	125	42	ND	0.33	0.33	1.85	3.5
B-1, 10'	ND	ND	ND	0.086	0.15	0.32	1.6
B-2, 5'	ND	ND	ND	ND	ND	ND	ND
B-2, 10'	ND	ND	ND	ND	ND	ND	ND
B-2, 13'	ND	ND	ND	ND	ND	ND	ND
B-3, 5'	ND	ND	ND	ND	0.012	0.009	ND
B-3, 10'	690	29	ND	3.9	4.1	11	49
B-4, 5'	3,350	270	ND	4.0	7.0	8.5	320
B-4, 10'	1,400	145	ND	9.5	6.6	30	150
B-5, 5.5'	3.3	ND	ND	ND	ND	0.005	0.015
B-5, 10'	5,500	530	ND	27	48	110	540
B-6, 5'	28	ND	ND	ND	ND	0.18	ND
B-6, 10'	1,640	140	ND	13	14	37	170
N side, 6'	74	51	ND	0.096	0.12	0.24	0.69
Center, 10'	286	26	ND	2.1	6.6	6.5	35
S side, 6'	2,800	230	ND	13	4.8	37	270

Table 2. Water Sample Analysis mg/L (ppm)

Sample	Gasoline (C4-C12)	Diesel (C13-C23)	Motor Oil (C24-C40)	Benzene	Toluene	Ethylbenzene	Xylenes
B-1 A, 10'	3,400	600	ND	7.4	18.0	108.0	703.0
B-2 A, 10'	ND	ND	ND	ND	ND	0.0006	0.0019
B-3 A, 10'	3,200	160	ND	1.52	2.66	3.56	15.0
B-5 A, 10'	3,000	94	ND	18.0	42.4	84.6	445.0
B-6 A, 10'	200	28	ND	7.2	4.1	7.6	34.8

Contaminant Plume

The results of the analyses show that there is slight soil contamination on the north side of the excavation, and more extensive contamination on the south side. However, the soil contamination does not appear to have spread very far through the soil. Results from Boring B-1 at 5.5' are significantly lower than the results of the sidewall sample collected from the south side of the excavation, which is closer to the source. In addition, the results from Boring B-6 at 5' are all either below detectable levels or below action levels. This boring is only five feet to the east of the south sidewall sampling point. Samples taken at five (or 5.5) feet below the ground surface from Borings B-2, B-3 and B-5 also show results either below detectable levels or below action levels.

The results from Boring B-4, on the other hand, show significant levels of contamination at five feet below the ground surface. It does not appear likely that this contamination stems from the tank location, since there is virtually no contamination at this level at Boring B-6, which lies directly between the tank location and Boring B-4. Instead, it appears more likely that the contamination found at Boring B-4 resulted from a different source, such as the tow yard operations. Boring B-4 is located within the actual tow yard, an area where vehicles are towed in and parked. This area is quite active, with cars being brought in and removed regularly.

The results also show significant contamination of soil at 10' below the ground surface in Borings B-3, B-4, B-5 and B-6, and in the center of the excavation. In all cases, these samples were collected below the upper surface of the groundwater. No contamination at 10' below the ground surface was detected in Boring B-2, which is located about 20' to west-southwest of the tank site.

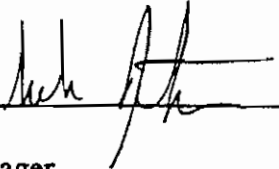
Groundwater taken from next to the source, at Boring B-1, showed levels of TPH well above action levels. Contamination in Boring B-2 was either below detectable levels or below action levels. This suggests that groundwater is not flowing in this direction (west-southwest) or that contamination may just not have extended to this point. There is significant groundwater contamination to the northwest of the tank, at Boring B-5, to the northeast, at Boring B-3, and to the south, at Boring B-6.

Conclusions and Recommendations

It is evident that the petroleum hydrocarbon contamination of the soil has largely moved downward to groundwater. The only area where the amount of contamination in the soil is high enough to warrant action is the immediate area of the former tank location. It appears that this area extends approximately three feet or less along the south side of the existing pit, as well as approximately a foot or so along the north side. It is recommended that this soil be removed by excavation to a depth of about eight feet below ground surface, or to groundwater, whichever occurs first. During excavation and removal of the soils, sidewall samples should be collected and analyzed to verify that the impacted soils have been adequately removed. This will also assist in determining if the contamination encountered in Boring B-4 is from a separate source.

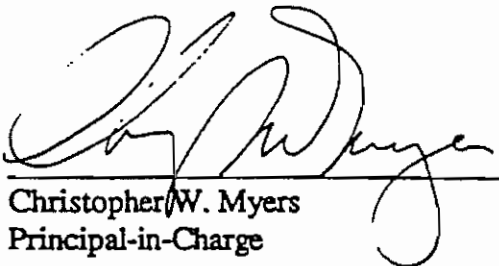
It is also recommended that three to four groundwater monitoring wells be installed around the former tank in order to determine the gradient direction and to monitor the levels of contamination. Once these wells are installed, it may be possible to determine whether other sources have contributed to contamination of groundwater.

Certification



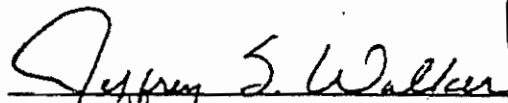
Salma Jetha
Project Manager

1/29/96
Date



Christopher W. Myers
Principal-in-Charge

1/26/96
Date



Jeffrey S. Walker
Professional Civil Engineer

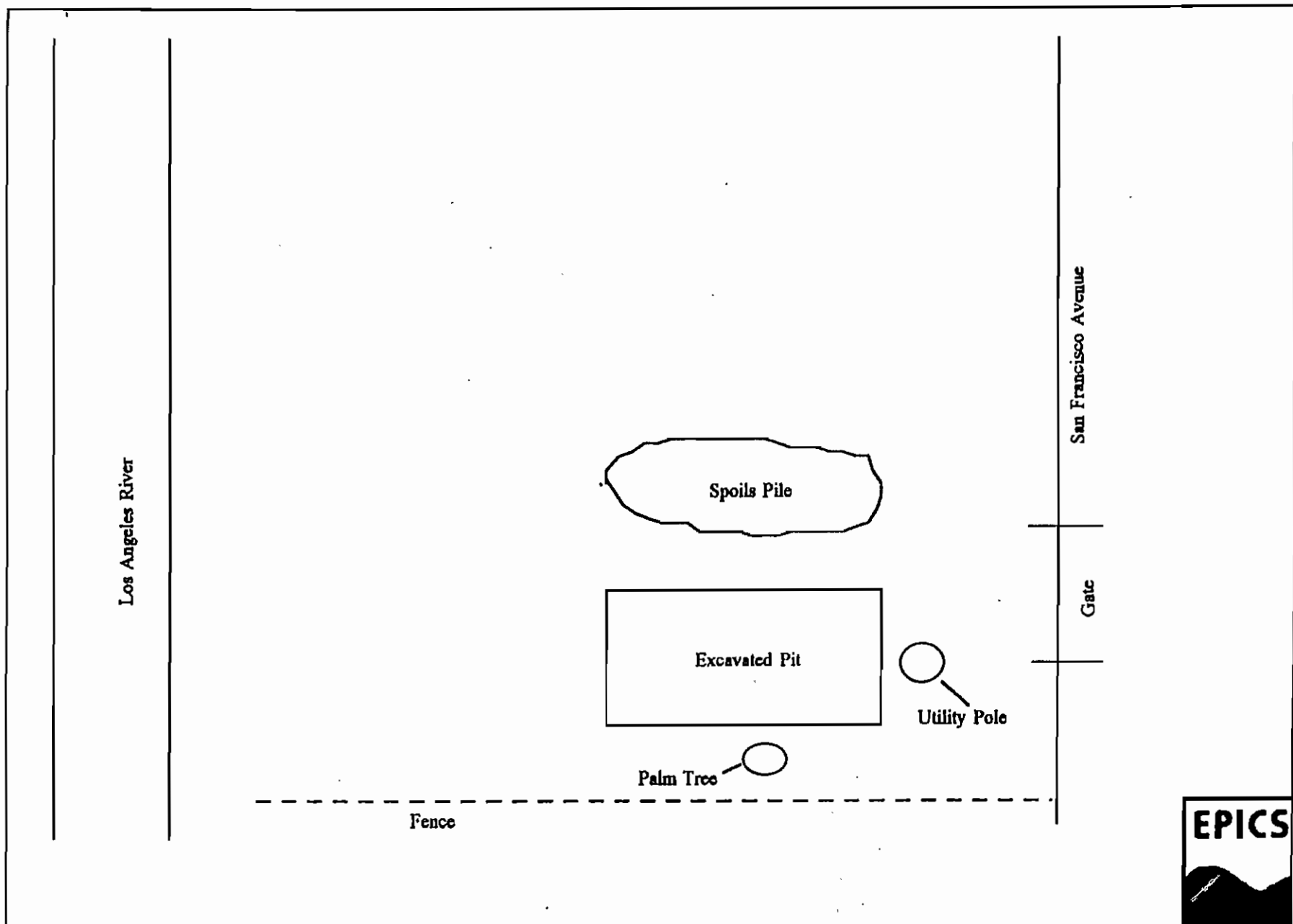


1/31/96
Date

Appendices

Exhibit A.	Site Plot Plan
Exhibit B.	Health Department Permit
Exhibit C.	Topographic Site Map
Exhibit D.	Boring Locations Map
Exhibit E.	Boring Logs
Exhibit F.	Chain-of-Custody and Laboratory Results
Exhibit G.	Lab Results from Previous Investigation

Exhibit A. Site Plot Plan



Site Name: Long Beach City Tow Yard

Site Address: 901 West Anaheim Street

Prepared By: EPICS International

Address: One World Trade Center, Suite 1890

Long Beach, CA 90831-1890

Exhibit B. Health Department Permit

CITY OF LONG BEACH, CALIFORNIA
DEPARTMENT OF PUBLIC HEALTH
PERMIT TO OPERATE

No. 95-12-03

Date Dec 15, 1995

The Health Department hereby authorizes the permittee named below to operate a

Site Characterization at 901 West Anaheim Street

in conformity with existing ordinances regulating public health and sanitation.

THIS PERMIT NOT TRANSFERABLE, and may be suspended or revoked for just cause.

Permit expires ~~on expiration~~ 90 Days From Issuance

Granted to: EPICS International

Doing Business as: same

One World Trade Center, Suite 1890

Long Beach, California 90831-1890

Health Officer: Darryl Sexton, M.D.

ALL WORK MUST BE PERFORMED IN
CONFORMANCE WITH ALL APPLICABLE
FEDERAL, STATE AND LOCAL LAWS
AND REGULATIONS.

THIS PERMIT MUST
BE KEPT POSTED
IN A CONSPICUOUS
PLACE AT ABOVE
ADDRESS

Exhibit C. Topographic Site Map

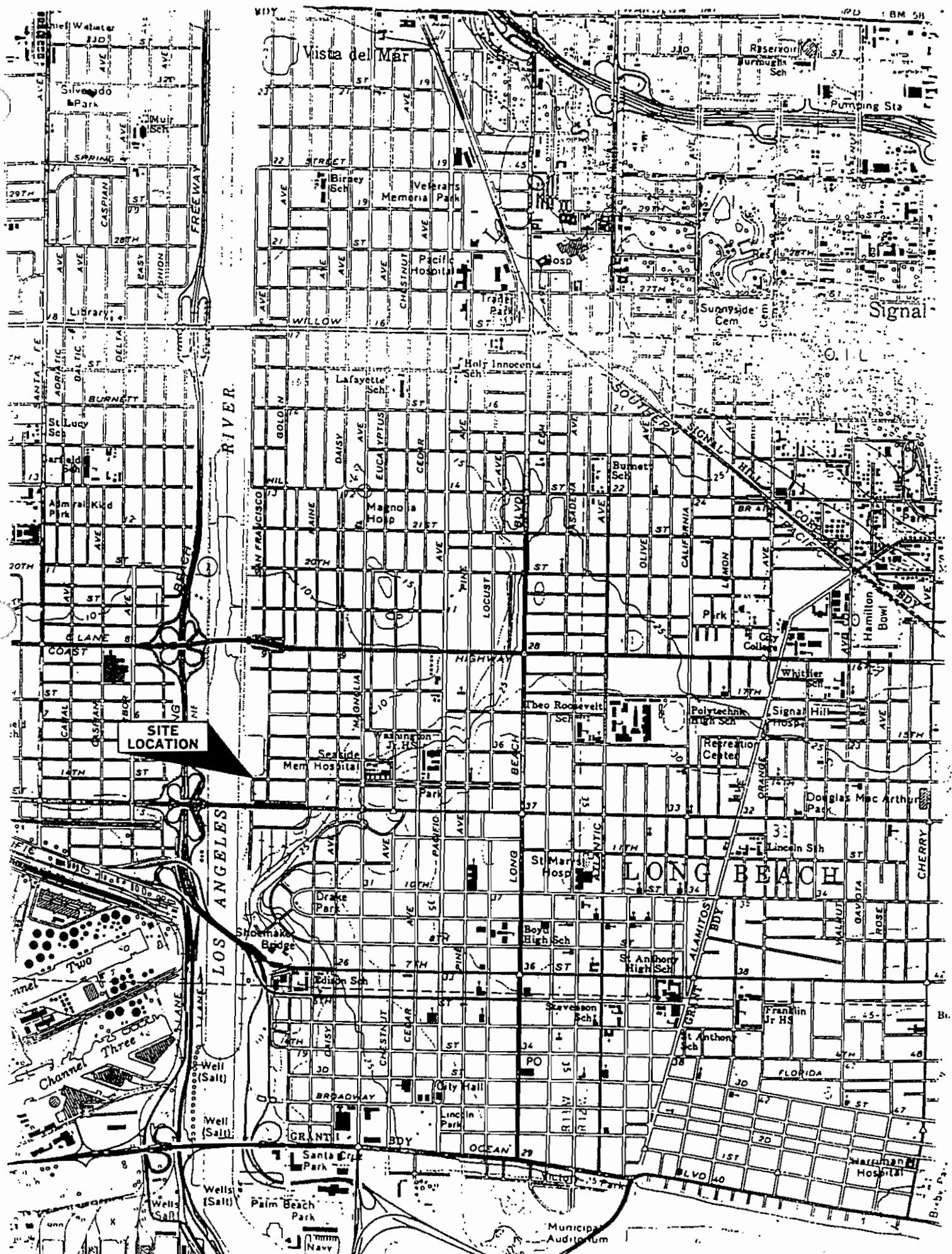
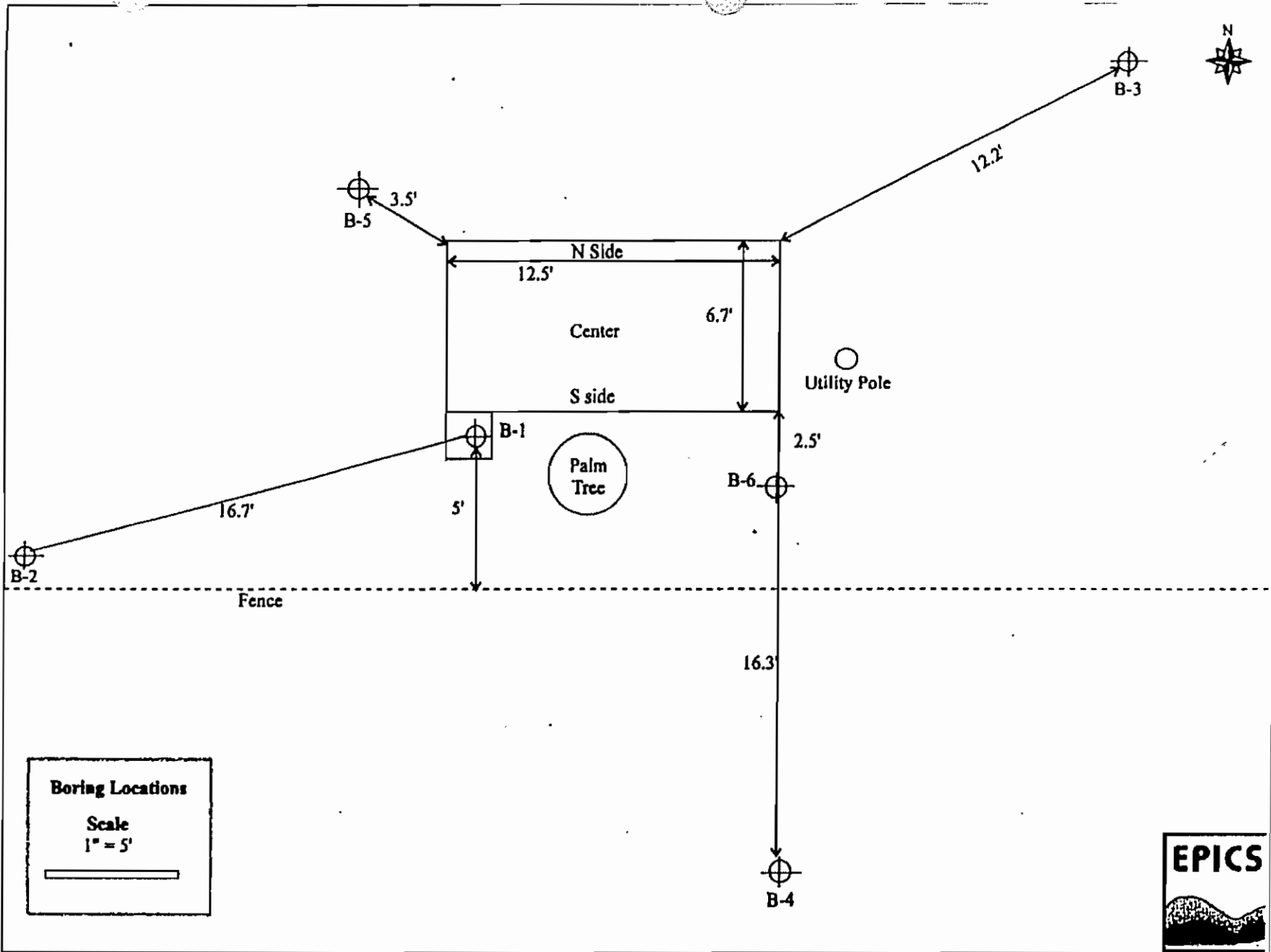


Exhibit D. Boring Locations Map



Business Name	Long Beach City Tow Yard	Prepared By	EPICS International
Address	901 West Anaheim Street Long Beach, CA	Address	One World Trade Center Suite 1890 Long Beach CA

Exhibit E. Boring Logs

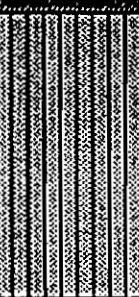
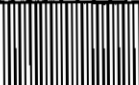
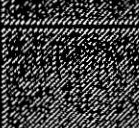
BORING LOG

Boring# B-1 Date Drilled 12/14/95 Logged by Jeff Walker Project Manager Salma Jetha

Project# 2302 Location 901 West Anaheim Street Long Beach, CA

Surface Elevation(ft) 10 MSL Depth to Water(ft) 8 bgs

The data presented in this log is a simplification of actual conditions encountered and applies only at the location of this boring and at the time of drilling. Sufsurface conditions may differ at other locations and may change with the passage of time.
Nomenclature follows the USCS Classification.

Depth (ft)bgs	Graphic Log	Lithologic Description	PID (ppmV)	Blows/Foot	Notes
— 3		Rubble Fill			
		(CL) Brown clay			Petroleum odor
— 5		(SM) Gray silty sand			Petroleum odor
— 7		(ML) Gray clayey silt			Petroleum odor, wet
▽		(CL) Gray clay			Petroleum odor & staining
— 9		(CL) Gray sandy clay	18.0		Petroleum odor & staining
— 11		Boring terminated @ 10 feet below ground surface.	25.0		
— 13					

BORING LOG

Boring# B-2 Date Drilled 12/14/95 Logged by Jeff Walker Project Manager Salma Jetha

Project# 2302 Location 901 West Anaheim Street Long Beach, CA

Surface Elevation(ft) 10 MSL Depth to Water(ft) 8 bgs

The data presented in this log is a simplification of actual conditions encountered and applies only at the location of this boring and at the time of drilling. Sufsurface conditions may differ at other locations and may change with the passage of time.
Nomenclature follows the USCS Classification.

Depth (ft)bgs	Graphic Log	Lithologic Description	PID (ppmV)	Blows/Foot	Notes
3		Rubble Fill			
		(SC) Clayey sand			
		(ML) Clayey silt			
5		(SM) Silty sand	0		
		(SP) Fine-grained gray sand			Wet
7		(ML) Gray silt with some clay			Moist
		(SC) Gray clayey sand			Wet
9		(CL) Gray clay	0.5		
		(SM) Brown silty sand	0.4		
11		(CL) Light brown clay			No odor
3		Boring terminated @ 13 feet below ground surface.			

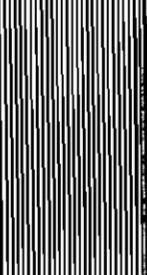
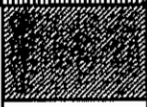
BORING LOG

Boring# B-3 Date Drilled 12/14/95 Logged by Jeff Walker Project Manager Salma Jetha

Project# 2302 Location 901 West Anaheim Street Long Beach, CA

Surface Elevation(ft) 10 MSL Depth to Water(ft) 8 bgs

The data presented in this log is a simplification of actual conditions encountered and applies only at the location of this boring and at the time of drilling. Sufsurface conditions may differ at other locations and may change with the passage of time.
Nomenclature follows the USCS Classification.

Depth (ft)bgs	Graphic Log	Lithologic Description	PID (ppm V)	Blows/Foot	Notes
-3		Asphalt Rubble Fill			
		(ML) Gray clay silt			Slight odor
-5		(SM) Gray silty sand	9.4		Slight odor Moist, odor
-7		(ML) Gray clayey silt			Very moist, odor
-9		(CL) Gray clay	24.7		Wet, odor
-11		Boring terminated @ 10 feet below ground surface.			
-13					

BORING LOG

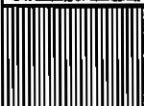
Boring# B-4 Date Drilled 12/14/95 Logged by Jeff Walker Project Manager Salma Jetha

Project# 2302 Location 901 West Anaheim Street Long Beach, CA

Surface Elevation(ft) 10MSL Depth to Water(ft) 8 bgs

The data presented in this log is a simplification of actual conditions encountered and applies only at the location of this boring and at the time of drilling. Sufsurface conditions may differ at other locations and may change with the passage of time.

Nomenclature follows the USCS Classification.

Depth (ft)bgs	Graphic Log	Lithologic Description	PID (ppmV)	Blows/Foot	Notes
		Asphalt			
-3		Rubble Fill			
		(ML) Sandy silt	32.4		Moist, odor
-5		(ML) Gray clayey silt			Moist, odor, stained
		(SP) Fine grained sand			Dry odor, no stain
-7		(SC) Clayey sand			Dry, odor, no stain
		(CL) Silty clay	84.4		Very moist, odor
-9		Boring terminated @ 10 feet below ground surface.			Moist, slight odor
-11					
-13					

BORING LOG

Boring# B-6 Date Drilled 1/18/95 Logged by Jeff Walker Project Manager Salma Jetha

Project# 2302 Location 901 West Anaheim Street Long Beach, CA

Surface Elevation(ft) 10 MSL Depth to Water(ft) 8.5 bgs

The data presented in this log is a simplification of actual conditions encountered and applies only at the location of this boring and at the time of drilling. Sufsurface conditions may differ at other locations and may change with the passage of time.
Nomenclature follows the USCS Classification.

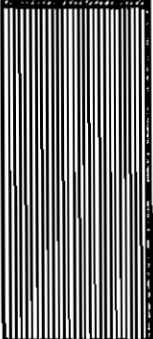
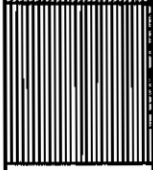
Depth (ft)bgs	Graphic Log	Lithologic Description	PID (ppm V)	Blows/Foot	Notes
-3		Rubble Fill			
		(CL) Brown clay			Petroleum odor
-5		(ML) Gray clayey silt			Petroleum odor, staining, moist
-7		(CL) Gray clay			Petroleum odor, wet
-9		(ML) Gray clayey silt			Petroleum odor, staining, wet
-11		Boring terminated @ 10 feet below ground surface.			
-13					

Exhibit F. Chain-of-Custody and Laboratory Results

Exhibit G. Lab Results from Previous Investigation

BY:

8-31-95 : 17:42 :FULL. ENVIR. LAB. -

310 424 4062:#15/16

FULLERTON ENVIRONMENTAL
LABORATORY RESULTS

Client:	Maness Environmental	Report Date:	08/31/95
Client Address:	P.O. Box 90939	FEL Ref. No.:	4932
	Long Beach, CA 90809	Client Ref. No.:	51000
Attn:	Scott Hulmer		
Project:	City of Long Beach - Towing	Date Sampled:	08/30/95
Project Address:	901 W. Anaheim St.	Date Received:	08/30/95
	Long Beach, CA	Date Analyzed:	08/31/95
		Physical State:	Soil

Modified EPA 8015 - Volatile Hydrocarbons (as Gasoline)

Sample ID	Concentration (mg/Kg)	Surrogate Recovery (%)	Reporting Limits (mg/Kg)
C-8	7500	101	2500
P-1	ND	73	1.0

ND = Not Detected

BY:

8-31-95 : 17:42 :FULL. ENVIR. LAB. -

310 424 4062: #14/16

FULLERTON ENVIRONMENTAL

LABORATORY RESULTS

Client:	Maness Environmental	Report Date:	08/31/95
Client Address:	P.O. Box 90939	FEL Ref. No.:	4932
	Long Beach, CA 90809	Client Ref. No.:	51000
Attn:	Scott Hultner		
Project:	City of Long Beach - Towing	Date Sampled:	08/30/95
Project Address:	901 W. Anaheim St.	Date Received:	08/30/95
	Long Beach, CA	Date Analyzed:	08/31/95
		Physical State:	Soil

EPA 8020 - Volatile Aromatic Hydrocarbons (BTEX)

Sample ID	Benzene	Toluene	Concentration (mg/Kg)	Ethylbenzene	Xylenes	Surrogate Recovery (%)
IC-8	22	17		98	470	114
SP-1	ND < 0.005	ND < 0.005		ND < 0.005	0.013	84

ND = Not Detected

ullerton
Environmental
Laboratory

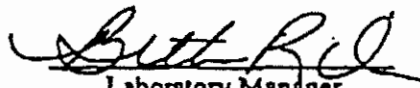
LABORATORY REPORT

Client:	Maness Environmental	Report Date:	08/31/95
Client Address:	P.O. Box 90939	FEL Ref. No.:	4932
	Long Beach, CA 90809	Client Ref. No.:	51000
Client:	Scott Huliner	Date Sampled:	08/30/95
Project:	City of Long Beach - Towing	Date Received:	08/30/95
Project Address:	901 W. Anaheim St.	Date Analyzed:	08/31/95
	Long Beach, CA	Physical State:	Soil

ANALYSES REQUESTED:

- EPA 8020 - Volatile Aromatic Hydrocarbons (BTEX)
- Modified EPA 8015 - Volatile Hydrocarbons (as Gasoline)

Approval:


Laboratory Manager
Beth Riley

CHAIN OF CUSTODY RECORD

Lab Job Number V51257

Client Name <u>EPICS International</u>						Analyses Requested					Turn Around Time Requested	
Address <u>One World Trade Center #1890 Long Beach Ca 90803</u>						602/8020 (BTEX)	Full Finger Print 8015M (Gasoline)	Carbon 8015M (Diesel)	418.1	Torne Dissolved Solid	☐ Rush 8 12 24 Hours ☐ 2-3 days ☒ Normal	
Report Attention <u>SALMA</u>		Phone # <u>310 432 9717</u> Fax # <u>310 432 4113</u>		Sampled By							Sample Receipt Conditions	
Project No./Name <u>2302</u>		Project Site <u>Long Beach City Tow Yard</u>									☐ Chilled ☐ Intact ☐ Sample Seals	
Client Sample ID	Sample Collection Date Time		Matrix Type	Sample Preserve	No., type* & size of container						Lab Sample ID	Remarks
B-1 5 1/2'	12/14/95	9:20 am	Soil		B	X	X	X			V1259-1	
B-1 10'		10:40	Soil		B	X	X	X			-2	
B-1 10'		11:00	Water		G							
B-1A 10'		11:00	Water		G	X	X	X	X		-3	
B-2 5'		12:00	Soil		B	X	X	X			-4	
B-2 10'		12:30	Soil		B	X	X	X			-5	
B-2 13'		12:50	Soil		B	X	X	X			-6	
B-2		13:00	Water		G							
B-2 A		13:00	Water		G	X	X	X			-7	
B-3 5'		14:45	Soil		B	X	X	X			-8	
B-3 10'		15:45	Soil		B	X	X	X			-9	
B-3		16:00	WATER		G							
B-3A		16:00	WATER		G	X	X	X			-10	
B-4 5'		17:00	Soil		B	X	X	X			-11	
B-4 10'		17:30	Soil		B	X	X	X			-12	

Relinquished By <u>[Signature]</u>	Company <u>EPICS</u>	Date <u>12/15/95</u>	Time <u>10:30</u>	Received By <u>[Signature]</u>	Company <u>EPICS</u>
Relinquished By <u>[Signature]</u>	Company <u>EPICS</u>	Date <u>12/15/95</u>	Time <u>14:20</u>	Received By <u>[Signature]</u>	Company <u>SIS</u>

*Sample Container Types:
 A=Air Bag B=Brass Tube
 G=Glass Container P=Plastic Bottle
 ST=Steel Tube V=VOA Bottle

STS E.L.

7801 Telegraph Road, Suite J.
Montebello, CA 90640Tel: 213-888-0728
Fax: 213-888-1509

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

Distribution: WHITE with report, YELLOW to STS, PINK to courier.



Southland Technical Services, Inc.
Environmental Laboratories

11 Telegraph Road, Suite J
Brentwood, CA 90640

Phone (213) 888-0728
Fax (213) 888-1509

12-21-1995

Mr. Chris Myers
EPICS International
One World Trade Center, #1890
Long Beach, CA 90831

Project: 2032
Project Site: Long Beach City Tow Yard
Sample Date: 12-14-1995
Lab Job No.: V51259

Dear Mr. Myers:

Enclosed please find the analytical report for the sample(s) received by STS Environmental Laboratories on 12-15-1995 and analyzed by the following EPA methods:

EPA 8015M(Carbon Chain Finger Print)
EPA 602/8020 (BTEX)
EPA 160.1 (Total dissolved solids)

All analyses have met the QA/QC criteria of this laboratory.

The sample(s) arrived in good conditions (i.e., chilled, intact) and with a chain of custody record attached.

STS Environmental Laboratory is certified by the CA DHS (Certificate Number 1986). Thank you for giving us the opportunity to serve you. Please feel free to call me at (213) 888-0728 if our Laboratory can be of further service to you.

Sincerely,

Roger Wang, Ph. D.
Laboratory Director

Enclosures

This cover letter is an integral part of this analytical report.



Southland Technical Services, Inc.
Environmental Laboratories

Telegraph Road, Suite J
Bello, CA 90640

Phone (213) 888-0728
Fax (213) 888-1509

12-21-1995

Client: EPICS International
Project: 2302
Project Site: Long Beach City Tow Yard
Matrix: Soil
Run Batch No.: 1218-G1

Lab Job No.: V51259
Date Sampled: 12-14-1995
Date Received: 12-15-1995
Date Analyzed: 12-18-1995

EPA Method 8020 (BTEX)
Reporting Units: mg/kg (ppm)

Sample ID	Lab ID	DF	Benzene	Toluene	Ethyl- benzene	Total Xylenes
		MDL	0.005	0.005	0.005	0.015
1, 5.5'	V1259-1	5	0.33	0.33	1.85	3.5
1, 10'	V1259-2	2	0.086	0.15	0.32	1.6
2, 5'	V1259-4	1	ND	ND	ND	ND
2, 10'	V1259-5	1	ND	ND	ND	ND
2, 13'	V1259-6	1	ND	ND	ND	ND
3, 5'	V1259-8	1	ND	0.012	0.009	ND
3, 10'	V1259-9	50	3.9	4.1	11	49
4, 5'	V1259-11	500	4.0	7.0	8.5	320
4, 10'	V1259-12	400	9.5	6.6	30	150

DF: Dilution Factor ($DF \times MDL = \text{Reporting Limit for the sample}$).

ND: Not Detected (at the specified limit)



Southland Technical Services, Inc.
Environmental Laboratories

31 Telegraph Road, Suite J
Brentwood, CA 90640

Phone (213) 888-0728
Fax (213) 888-1509

12-21-1995

Client:	EPICS International	Lab Job No.:	V51259
Project:	2302	Date Sampled:	12-14-1995
Project Site:	Long Beach City Tow Yard	Date Received:	12-15-1995
Matrix:	Soil	Date Analyzed:	12-18-1995
Run Batch No.:	1218-D1		

EPA Method 8015M
Extractable Petroleum Hydrocarbon Finger Print
Reporting Units: mg/kg (ppm)

Sample ID	Lab ID	C4-C12 (Gasoline*) 1.0	C13-C23 (Diesel) 10	C24-C40 (Motor Oil) 20
	MDL			
B-1, 5.5'	V1259-1	125	42	ND
B-1, 10'	V1259-2	ND	ND	ND
B-2, 5'	V1259-4	ND	ND	ND
B-2, 10'	V1259-5	ND	ND	ND
B-2, 13'	V1259-6	ND	ND	ND
B-3, 5'	V1259-8	ND	ND	ND
B-3, 10'	V1259-9	690	29	ND
B-4, 5'	V1259-11	3,350	270	ND
B-4, 10'	V1259-12	1,400	145	ND

* Gasoline concentrations are obtained with Purge & Trap analysis.

ND: Not Detected (at the specified limit).



Southland Technical Services, Inc.
Environmental Laboratories

Telegraph Road, Suite J
Bello, CA 90640

Phone (213) 888-0728
Fax (213) 888-1509

12-21-1995

Client: EPICS International
Project: 2302
Project Site: Long Beach City Tow Yard
Matrix: Water
Run Batch No.: 1219-G2

Lab Job No.: V51259
Date Sampled: 12-14-1995
Date Received: 12-15-1995
Date Analyzed: 12-19-1995

EPA Method 602 (BTEX)
Reporting Units: µg/L (ppb)

Sample ID	Lab ID	DF	Benzene	Toluene	Ethyl- benzene	Total Xylenes
	MDL		0.5	0.5	0.5	1.0
-1 A, 10'	V1259-3	4000	7,400	18,000	108,000	703,000
-2 A, 10'	V1259-7	1	ND	ND	0.6	1.9
-3 A, 10'	V1259-10	2000	1,520	2,660	3,560	15,000

DF: Dilution Factor ($DF \times MDL = \text{Reporting Limit for the sample}$).

ND: Not Detected (at the specified limit)



Southland Technical Services, Inc.
Environmental Laboratories

Telegraph Road, Suite J
Beverly Hills, CA 90640

Phone (213) 888-0728
Fax (213) 888-1509

12-21-1995

Client: EPICS International
Project: 2302
Project Site: Long Beach City Tow Yard
Matrix: Water
Run Batch No.: 1221-D1

Lab Job No.: V51259
Date Sampled: 12-14-1995
Date Received: 12-15-1995
Date Analyzed: 12-21-1995

EPA Method 8015M
Extractable Petroleum Hydrocarbons Finger Print
Reporting Units: mg/L (ppm)

Sample ID	Lab ID	C4-C12 (Gasoline)	C13-C23 (Diesel)	C24-C35 (Motor Oil)
	MDL	0.1	1.0	2.0
S-1 A, 10'	V1259-3	3,400	600	ND
S-2 A, 10'	V1259-7	ND	ND	ND
S-3 A, 10'	V1259-10	1,200	160	ND

ND: Not Detected (at the specified limit).



Southland Technical Services, Inc.
Environmental Laboratories

Telegraph Road, Suite J
Bello, CA 90640

Phone (213) 888-0728
Fax (213) 888-1509

12-21-1995

Client: EPICS International
Project: 2302
Project Site: Long Beach City Tow Yard
Matrix: Water

Lab Job No.: V51259
Date Sampled: 12-14-1995
Date Received: 12-15-1995
Date Analyzed: 12-21-1995

EPA Method 160.1
Total Dissolved Solids (TDS)
Reporting Units: mg/L (ppm)

Sample ID	Lab ID	TDS	Detection Limit
A, 10'	V1259-3	1,800	10



Southland Technical Services, Inc.
Environmental Laboratories

1 Telegraph Road, Suite J
Tebello, CA 90640

Phone (213) 888-0728
Fax (213) 888-1509

12-21-1995

EPA 8020
QA/QC Report

Client: EPICS International
Project: Long Beach City Tow Yard
Run Batch No: 1218-G1

Lab Job No.: V51259
Lab Sample ID: S1268-1
Date Analyzed: 12-18-95

I. MS/MSD Report
Units: $\mu\text{g/kg}$ (ppb)

Analyte	Sample Conc.	Spike Added	MS Res.	MS %Rec.	MSD Res.	MSD %Rec.	%RPD	Accept. Limit (%) for %Rec.	Accept. Limit(%) for %RPD
Benzene	ND	200	167	83.5	163	81.5	2.4	70-130	<30
Toluene	ND	200	163	81.3	175	87.5	7.1	70-130	<30

II. Laboratory Control Sample
Units: $\mu\text{g/kg}$ (ppb)

Analyte	LCS Result	True Value	%Rec	Accept. Limit (%)
Benzene	188	200	94	80-120
Toluene	191	200	95.5	80-120

ND: Not Detected (at the specified limit)



Southland Technical Services, Inc.
Environmental Laboratories

Telegraph Road, Suite J
Bello, CA 90640

Phone (213) 888-0728
Fax (213) 888-1509

12-21-1995

EPA 602
Batch QA/QC Report

Client: EPICS International
Project: Long Beach City Tow Yard
Run Batch No 1219-G2

Lab Job No.: V51259
Lab Sample ID: WS1219-1
Date Analyzed: 12-19-95

I. MS/MSD Report
Units: $\mu\text{g/L}$ (ppb)

Analyte	Sample Conc.	Spike Added	MS Res.	MS %Rec.	MSD Res.	MSD %Rec.	%RPD	Accept. Limit (%) for %Rec.	Accept. Limit(%) for %RPD
Benzene	ND	20	21.0	105	17.6	88	17.6	70-130	<30
Toluene	ND	20	21.4	107	17.5	87.5	20	70-130	<30

II. Laboratory Control Sample
Units: $\mu\text{g/L}$

Analyte	LCS Result	True Value	%Rec	Accept. Limit (%)
Benzene	19.9	20	99.5	80-120
Toluene	18.9	20	94.5	80-120

ND: Not Detected (at the specified limit)



Southland Technical Services, Inc.
Environmental Laboratories

101 Telegraph Road, Suite J
Brentwood, CA 90640

Phone (213) 888-0728
Fax (213) 888-1509

12-21-1995

EPA 8015M (Diesel)
Batch QA/QC Report

Client: EPICS International
Project: Long Beach City Tow Yard
Run Batch No 1218-D1

Lab Job No.: V51259
Lab Sample ID: V1259-4
Date Analyzed: 12-18-95

I. MS/MSD Report
Units: mg/kg (ppm)

Analyte	Sample Conc.	Spike Added	MS Res.	MS %Rec.	MSD Res.	MSD %Rec.	%RPD	Accept. Limit (%) for %Rec.	Accept. Limit(%) for %RPD
Diesel	ND	200	225	113	220	110	11.2	70-130	<30

II. Laboratory Control Sample
Units: mg/kg (ppm)

Analyte	LCS Result	True Value	%Rec	Accept. Limit (%)
Diesel	213	200	107	80-120

ND: Not Detected (at the specified limit)



Southland Technical Services, Inc.
Environmental Laboratories

Telegraph Road, Suite J
Bello, CA 90640

Phone (213) 888-0728
Fax (213) 888-1509

12-21-1995

EPA 8015M (Diesel)
Batch QA/QC Report

Client: EPICS International
Project: Long Beach City Tow Yard
Run Batch No 1221-D1

Lab Job No.: V51259
Lab Sample ID: G1282-2
Date Analyzed: 12-21-95

I. MS/MSD Report
Units: mg/L (ppm)

Analyte	Sample Conc.	Spike Added	MS Res.	MS %Rec.	MSD Res.	MSD %Rec.	%RPD	Accept. Limit (%) for %Rec.	Accept. Limit(%) for %RPD
Diesel	ND	20	22.4	112	22.0	110	1.8	70-130	<30

II. Laboratory Control Sample
Units: mg/L (ppm)

Analyte	LCS Result	True Value	%Rec	Accept. Limit (%)
Diesel	23.4	20	117	80-120

ND: Not Detected (at the specified limit)

CHAIN OF CUSTODY RECORD

Lab Job Number V60144

Client Name <u>ERICS Int'l</u>						Analyses Requested				Turn Around Time Requested			
Address <u>One World Trade Ctr. #1890 LB, CA</u>						602/8020 (BTEX)	8015M (Cabo)	8015M (Diesel)	418.1	☐ Rush 8 12 24 Hours ☐ 2-3 days ☐ Normal			
Report Attention <u>Salma Jetha</u>		Phone # <u>310 432 9717</u>		Sampled By <u>Chris Myers/S Jetha</u>						Fax # <u>310 432 4113</u>		Sample Receipt Conditions	
Project No./Name		Project Site <u>901 W. Anaheim - Tow Yard</u>								☐ Chilled ☐ Intact ☐ Sample Seals			
Client Sample ID		Sample Collection		Matrix Type	Sample Preserve					No., type* & size of container		Lab Sample ID	
		Date	Time										
B-S 5.5'		1/18/96	8:45	Soil		X	X			V0144-1			
B-S 10'		1/18/96	9:45	Soil		X	X			-2			
B-S 10'A		1/18/96	10:07	Water		X	X			-3			
B-S 10'B		1/18/96	10:10	Water									
B-6 5'		1/18/96	10:20	Soil		X	X			-4			
B-6 10'		1/18/96	12:15	Soil		X	X			-5			
B-6 10'A		1/18/96	13:05	Water		X	X			-6			
B-6 10'B		1/18/96	13:05	Water									
South Side 6'		1/18/96	13:00	Soil		X	X			-7			
Center ("C") 10'		1/18/96	13:05	Soil		X	X			-8			
North Side 6'		1/18	13:15	Soil		X	X			-9			
Relinquished By <u>[Signature]</u> Company <u>ERICS</u>		Date <u>1/18</u>	Time <u>15:00</u>	Received By <u>[Signature]</u> Company <u>STS</u>		*Sample Container Types: A=Air Bag B=Brass Tube G=Glass Container P=Plastic Bottle ST=Steel Tube V=VOA Bottle							
Relinquished By _____ Company _____		Date _____	Time _____	Received By _____ Company _____									

STS E. L.

7801 Telegraph Road, Suite J.
Montebello, CA 90640Tel: 213-888-0728
Fax: 213-888-1509

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

Distribution: WHITE with report, YELLOW to STS, PINK to courier.



Southland Technical Services, Inc.
Environmental Laboratories

Telegraph Road, Suite J
Bello, CA 90640

Phone (213) 888-0728
Fax (213) 888-1509

01-24-1996

Ms. Salma Jetha
PICS International
One World Trade Center, #1890
Long Beach, CA 90831

Subject:
Project Site: 901 W. Anaheim-Tow Yard
Sample Date: 01-18-1996
Job No.: V60144

Dear Ms. Jetha:

Enclosed please find the analytical report for the sample(s) received by STS Environmental Laboratories on 01-18-1996 and analyzed by the following EPA methods:

EPA 8015M(Carbon Chain Finger Print)
EPA 602/8020 (BTEX)

Analyses have met the QA/QC criteria of this laboratory.

The sample(s) arrived in good conditions (i.e., chilled, intact) and with a chain of custody record attached.

STS Environmental Laboratory is certified by the CA DHS (Certificate Number 1986). Thank you for giving us the opportunity to serve you. Please feel free to call me at (213) 888-0728 if our Laboratory can be of further assistance to you.

Sincerely,

Roger Wang, Ph. D.
Laboratory Director

Closures

This cover letter is an integral part of this analytical report.



Southland Technical Services, Inc.
Environmental Laboratories

31 Telegraph Road, Suite J
Antebello, CA 90640

Phone (213) 888-0728
Fax (213) 888-1509

01-24-1996

Client: EPICS International
Project:
Project Site: 901 W. Anaheim-Tow Yard
Matrix: Soil
Run Batch No.: 0119-G1

Lab Job No.: V60144
Date Sampled: 01-18-1996
Date Received: 01-18-1996
Date Analyzed: 01-19-1996

EPA Method 8020 (BTEX)
Reporting Units: mg/kg (ppm)

Sample ID	Lab ID	DF	Benzene	Toluene	Ethyl- benzene	Total Xylenes
	MDL		0.005	0.005	0.005	0.015
3-5, 5.5'	V0144-1	1	ND	ND	0.050	0.23
3-5, 10'	V0144-2	400	27	48	110	540
3-6, 5'	V0144-4	2	ND	ND	0.18	ND
3-6, 10'	V0144-5	200	13	14	37	170
South Side 6'	V0144-7	400	13	4.8	37	270
Center 10'	V0144-8	20	2.1	6.6	6.5	35
North Side 6'	V0144-9	4	0.096	0.12	0.24	0.69

DF: Dilution Factor ($DF \times MDL = \text{Reporting Limit for the sample}$).

ND: Not Detected (at the specified limit)



Southland Technical Services, Inc.
Environmental Laboratories

Telegraph Road, Suite J
Bellaire, CA 90640

Phone (213) 888-0728
Fax (213) 888-1509

01-24-1996

Client: EPICS International
Project: 2302
Project Site: 901 W. Anaheim-Tow Yard
Matrix: Soil
Run Batch No.: 0118-D1

Lab Job No.: V60144
Date Sampled: 01-18-1996
Date Received: 01-18-1996
Date Analyzed: 01-18-1996

EPA Method 8015M
Extractable Petroleum Hydrocarbon Finger Print
Reporting Units: mg/kg (ppm)

Sample ID	Lab ID	C4-C12 (Gasoline*)	C13-C23 (Diesel)	C24-C35 (Motor Oil)
	MDL	1.0	10	20
-5, 5.5'	V0144-1	3.3	ND	ND
-5, 10'	V0144-2	5,500	530	ND
-6, 5'	V0144-4	2.8	ND	ND
-6, 10'	V0144-5	1,640	140	ND
South side 6'	V0144-7	2,800	230	ND
Center 10'	V0144-8	286	26	ND
North Side 6'	V0144-9	74	51	ND

Gasoline concentrations are obtained with Purge & Trap analysis.

ND: Not Detected (at the specified limit).



Southland Technical Services, Inc.
Environmental Laboratories

Telegraph Road, Suite J
Hawthorne, CA 90640

Phone (213) 888-0728

Fax (213) 888-1509

01-24-1996

Client: EPICS International
Project: 2302
Project Site: 901 W. Anaheim-Tow Yard
Matrix: Water
Run Batch No.: 0117-G2

Lab Job No.: V60144
Date Sampled: 01-18-1996
Date Received: 01-18-1996
Date Analyzed: 01-18-1996

EPA Method 602 (BTEX)
Reporting Units: $\mu\text{g/L}$ (ppb)

Sample ID	Lab ID	DF	Benzene	Toluene	Ethyl- benzene	Total Xylenes
		MDL	0.5	0.5	0.5	1.0
3-5, 10' A	V0144-3	2000	18,800	42,400	84,600	445,000
3-6, 10' A	V0144-6	2000	7,200	4,100	7,600	34,800

DF: Dilution Factor ($\text{DF} \times \text{MDL} = \text{Reporting Limit for the sample}$).

ND: Not Detected (at the specified limit)



Southland Technical Services, Inc.
Environmental Laboratories

Telegraph Road, Suite J
Bello, CA 90640

Phone (213) 888-0728
Fax (213) 888-1509

01-24-1996

Client: EPICS International
Project: 2302
Project Site: 901 W. Anaheim-Tow Yard
Matrix: Water
Run Batch No.: 0119-D2

Lab Job No.: V60144
Date Sampled: 01-18-1996
Date Received: 01-18-1996
Date Analyzed: 01-19-1996

EPA Method 8015M
Extractable Petroleum Hydrocarbons Finger Print
Reporting Units: mg/L (ppm)

Sample ID	Lab ID	C4-C12 (Gasoline)	C13-C23 (Diesel)	C24-C35 (Motor Oil)
	MDL	0.1	1.0	2.0
5, 10' A	V0144-3	3,000	94	ND
5, 10' A	V0144-6	200	28	ND

ND: Not Detected (at the specified limit).



Southland Technical Services, Inc.
Environmental Laboratories

21 Telegraph Road, Suite J
Antebello, CA 90640

Phone (213) 888-0728
Fax (213) 888-1509

01-24-1996

EPA 8020
QA/QC Report

Client: EPICS International
Project: 901 W. Anaheim-Tow Yard
Matrix: Soil
Batch No: 0119-G1

Lab Job No.: V60144
Lab Sample ID: R0142-1
Date Analyzed: 01-19-1996

I. MS/MSD Report
Units: $\mu\text{g/kg}$ (ppb)

Compound	Sample Conc.	Spike Added	MS Result	MSD Result	MS %Rec.	MSD %Rec.	% RPD	%RPD Accept. Limit	%Rec Accept. Limit
Benzene	ND	200	180	187	90	93.5	3.8	30	70-130
Toluene	ND	200	199	207	99.5	104	3.9	30	70-130

II. Laboratory Control Sample
Units: $\mu\text{g/kg}$ (ppb)

Analyte	SPK CONC	RESULT	%RECOVERY	ACP %
Benzene	200	164	82	80-120
Toluene	200	179	89.5	80-120

ND: Not Detected (at the specified limit)



Southland Technical Services, Inc.
Environmental Laboratories

Telegraph Road, Suite J
Bello, CA 90640

Phone (213) 888-0728
Fax (213) 888-1509

01-23-1996

EPA 8015M (Diesel)
Batch QA/QC Report

Client: EPICS International
Project: 901 W. Anaheim-Tow Yard
Matrix: Soil
Batch No: 0118-D1

Lab Job No.: V60144
Lab Sample ID: AA0127-12
Date Analyzed: 01-18-1996

I. MS/MSD Report
Units: mg/kg (ppm)

Compound	Sample Conc.	MS	MSD	Spike Value	MS %Rec.	MSD %Rec.	% RPD	%RPD Accept. Limit	%Rec Accept. Limit
Diesel	11	212	209	200	101	99	2.0	<30	70-130

II. LCS Result
Units: mg/kg (ppm)

Compound	LCS Report Value	True Value	Rec.%	Accept. Limit
Diesel	198	200	99	80-120

D: Not Detected (at the specified limit).



Southland Technical Services, Inc.
Environmental Laboratories

801 Telegraph Road, Suite J
Montebello, CA 90640

Phone (213) 888-0728
Fax (213) 888-1509

01-24-1996

EPA 602
Batch QA/QC Report

Client: EPICS International
Project : 901 W. Anaheim-Tow Yard
Matrix: Water
Batch No.: 0117-G2

Lab Job No.: V60144
Date Analyzed: 01-17-96
Lab Sample ID: U0135-1

I. MS/MSD Report
Units: $\mu\text{g/L}$ (ppb)

Analyte	Sample Conc.	Spike Added	MS Res.	MS %Rec.	MSD Res.	MSD %Rec.	%RPD	Accept. Limit (%) for %Rec.	Accept. Limit(%) for %RPD
Benzene	ND	20	17.6	88	20	100	13	70-130	30
Toluene	ND	20	16.1	80.5	19.3	96.5	18	70-130	30

II. Laboratory Control Sample
Units: $\mu\text{g/L}$ (ppb)

Analyte	LCS Result	True Value	%Rec	Accept. Limit (%)
Benzene	16	20	80	80-120
Toluene	16.7	20	83.5	80-120

ND: Not Detected (at the specified limit)

UNDERGROUND STORAGE TANK UNAUTHORIZED RELEASE (LEAK) / CONTAMINATION SITE REPORT

EMERGENCY YES ☒ NO ☐		HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED? ☐ YES ☐ NO		FOR LOCAL AGENCY USE ONLY I HEREBY CERTIFY THAT I AM A DESIGNATED GOVERNMENT EMPLOYEE AND THAT I HAVE REPORTED THIS INFORMATION TO LOCAL OFFICIALS PURSUANT TO SECTION 25100.7 OF THE HEALTH AND SAFETY CODE. SIGNED: <u>M. J. Kelly, FP</u> DATE: <u>5/29/96</u>	
REPORT DATE M M D D Y Y M M D D Y Y		CASE #			
REPORTED BY	NAME OF INDIVIDUAL FILING REPORT <u>David McCarry</u>		PHONE <u>(310) 570-5410</u>		SIGNATURE <u>David McCarry</u>
	REPRESENTING ☐ OWNER/OPERATOR ☐ REGIONAL BOARD ☐ LOCAL AGENCY ☒ OTHER <u>Delegate</u>		COMPANY OR AGENCY NAME <u>Fleet Services Bureau</u>		
	ADDRESS <u>2801 East Willow Street</u> <u>Long Beach</u> <u>CA</u> <u>90806</u>				
RESPONSIBLE PARTY	NAME <u>City of Long Beach</u> ☐ UNKNOWN (a municipal corporation)		CONTACT PERSON <u>Robert Metzger</u>		PHONE <u>(310) 570-6277</u>
	ADDRESS <u>333 West</u> <u>Ocean Blvd.</u> <u>Long Beach</u> <u>CA</u> <u>90802</u>				
SITE LOCATION	FACILITY NAME (IF APPLICABLE) <u>Vehicle Tow Yard</u>		OPERATOR <u>City of Long Beach</u>		PHONE <u>(310) 570-2826</u>
	ADDRESS <u>901 West</u> <u>Anaheim Street</u> <u>Long Beach</u> <u>LA</u> <u>90813</u>				
	CROSS STREET <u>San Francisco</u>		TYPE OF AREA ☒ COMMERCIAL ☐ INDUSTRIAL ☐ RURAL ☐ RESIDENTIAL ☐ OTHER		
ELEMENTING AGENCIES	LOCAL AGENCY <u>Long Beach Fire Prevention Bureau</u>		CONTACT PERSON <u>Inspector Tom Hays</u>		PHONE <u>(310) 570-2521</u>
	REGIONAL BOARD <u>CA Water Resources, S.W. Dist. Region #4</u>		PHONE <u>(213) 266-7558</u>		
SUBSTANCES INVOLVED	(1) NAME QUANTITY LOST (GALLONS) <u>Gasoline</u> ☒ UNKNOWN				
	(2) ☐ UNKNOWN				
DISCOVERY/ABATEMENT	DATE DISCOVERED <u>0</u> <u>8</u> <u>3</u> <u>0</u> <u>9</u> <u>5</u>		HOW DISCOVERED ☐ INVENTORY CONTROL ☐ SUBSURFACE MONITORING ☐ NUISANCE CONDITIONS ☐ TANK TEST ☒ TANK REMOVAL ☐ OTHER		
	DATE DISCHARGE BEGAN ☒ UNKNOWN		METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY) ☐ REMOVE CONTENTS ☐ REPLACE TANK ☐ CLOSE TANK ☐ REPAIR TANK ☐ REPAIR PIPING ☐ CHANGE PROCEDURE ☒ OTHER <u>Remove Tank</u>		
	HAS DISCHARGE BEEN STOPPED? ☐ YES ☐ NO IF YES, DATE M M D D Y Y				
SOURCE/CAUSE	SOURCE OF DISCHARGE ☒ TANK LEAK ☐ UNKNOWN ☐ PIPING LEAK ☐ OTHER		TANKS ONLY/CAPACITY <u>550</u> GAL. AGE <u>30+</u> YRS ☒ UNKNOWN		MATERIAL ☐ FIBERGLASS ☐ STEEL ☐ OTHER
	CAUSE(S) ☐ OVERFILL ☐ RUPTURE/FAILURE ☒ CORROSION ☐ UNKNOWN ☐ SPILL ☐ OTHER				
CASE TYPE	CHECK ONE ONLY ☒ UNDETERMINED ☐ SOIL ONLY ☐ GROUNDWATER ☐ DRINKING WATER - (CHECK ONLY IF WATER WELLS HAVE ACTUALLY BEEN AFFECTED)				
CURRENT STATUS	CHECK ONE ONLY ☒ SITE INVESTIGATION IN PROGRESS (DEFINING EXTENT OF PROBLEM) ☐ CLEANUP IN PROGRESS ☐ SIGNED OFF (CLEANUP COMPLETED OR UNNECESSARY) ☐ NO ACTION TAKEN ☐ POST CLEANUP MONITORING IN PROGRESS ☐ NO FUNDS AVAILABLE TO PROCEED ☐ EVALUATING CLEANUP ALTERNATIVES				
MEDIAL ACTION	CHECK APPROPRIATE ACTION(S) (SEE BACK FOR DETAILS) ☐ CAP SITE (CD) ☒ EXCAVATE & DISPOSE (ED) ☐ REMOVE FREE PRODUCT (FP) ☐ ENHANCED BIO DEGRADATION (IT) ☐ CONTAINMENT BARRIER (CB) ☐ EXCAVATE & TREAT (ET) ☐ PUMP & TREAT GROUNDWATER (GT) ☐ REPLACE SUPPLY (RS) ☐ TREATMENT AT HOOKUP (HU) ☐ NO ACTION REQUIRED (NA) ☐ OTHER (OT)				
COMMENTS	City of Long Beach purchased piece of land. Tank was found abandoned after sale. City removed tank and discovered tank leak.				



Dick Smith 10/98

Date: February 13, 1996
To: Raymond T. Holland, Director of Public Works
From: S. Michael Johnson, Administrative Officer, Health Department
Subject: **HAZARDOUS MATERIALS MANAGEMENT UNIT CHARGES**

The following are actual remediation and characterization reviews on February 8, 1996 performed at the following sites:

160 E. Market Street	\$ 132.00
201 W. Anaheim St.	<u>132.00</u>
Total due the Health Department	<u>\$ 264.00</u>

Please initiate the appropriate transfer to revenue account 972 by completing and certifying the attached Journal Voucher. When completed, forward it to General Accounting Operations for processing.

Should you require additional information, please contact Dick Smith, Hazardous Waste Operations Officer at 570-4128 or Erlinda Reveche, Accountant, at 570-4022.

SMJ/EDR
(Attachment)

DEPARTMENT OF HEALTH & HUMAN SERVICES
CITY OF LONG BEACH, CALIFORNIA
HAZARDOUS MATERIALS MANAGEMENT UNIT

SERVICE CHARGES

BILLING DATE: February 8, 1996
SITUS ADDRESS: 160 E. Market Street
DATE OF INCIDENT: _____
PERSON RESPONSIBLE: David McCarty / Public Fleet Services Bureau Long Beach
MAILING ADDRESS: 2801 E. Willow Street Long Beach, Ca 90806

DESCRIPTION OF CHARGES (CHECK ALL THAT APPLY)		
☐	EMERGENCY RESPONSE _____ HRS.	\$
☐	SITE CLEAN-UP FEE	
☐	LAB ANALYSIS FEE	
☒	SITE CHARACTERIZATION REVIEW <u>1</u> HRS.	66.-
☒	SITE REMEDIATION REVIEW <u>1</u> HRS.	66.-
TOTAL:		\$132

(Total Hours 2 x Rate \$ 66.- per hour = \$ 132.- Service Charge)

HL-537 (4/89)

WHITE: Haz Mat YELLOW: File PINK: Admin.

SIGNATURE

Robert Blunt

DEPARTMENT OF HEALTH & HUMAN SERVICES
CITY OF LONG BEACH, CALIFORNIA
HAZARDOUS MATERIALS MANAGEMENT UNIT

SERVICE CHARGES

BILLING DATE: 02-08-96
SITUS ADDRESS: 901 West Anaheim St, Long Bch 90813
DATE OF INCIDENT: _____
PERSON RESPONSIBLE: City of Long Beach Towing Yard
MAILING ADDRESS: Fleet Services Bureau 2801 E. Willow St. Long Bch 90806

DESCRIPTION OF CHARGES (CHECK ALL THAT APPLY)		
☐	EMERGENCY RESPONSE _____ HRS.	\$
☐	SITE CLEAN-UP FEE	
☐	LAB ANALYSIS FEE	
☒	SITE CHARACTERIZATION REVIEW <u>2</u> HRS.	132
☐	SITE REMEDIATION REVIEW _____ HRS.	
TOTAL:		\$132.00

(Total Hours 2 x Rate \$ 66.00 per hour = \$ 132.00 Service Charge)

HL-537 (4/89)

WHITE: Haz Mat YELLOW: File PINK: Admin.

SIGNATURE

Lawrence L. Piro

FINANCIAL ACCOUNTING SYSTEM CITY OF LONG BEACH, CALIFORNIA

T1	T2				T3	T4	T5	T6	T7	T8	T9	ACCOUNTING OPERATIONS J.V. NO. 0 DATE 02/13/96 PAGE 1 of 1
					Line No.	FYR	FMO	Card Total	Transaction Hash Total	Amount Batch Total	Coder's Initials	
4	YR	MO	DAY	SEQ	0:0				:	:	:	

ISSUED FOR: To reflect actual charges for Health Department Hazardous Materials Management Unit services to Fleet Services Bureau on February 8, 1996 at 160 E. Market Street and on 901 W. Anaheim Street.

F3 Line No.	F4 Trans. Code			F5 Document Reference			F6 Document Reference No.			F7 Treasurer's Number		F8 Subsidiary Account		Fund	F10 Organizational Code	F11 Object/Revenue Code	F13 Amount	DO NOT KEYPUNCH General Ledger Code	
	No.	R	S P F	Series	S U F	Series	S U F	G/L or Bank No.	Check No.	G/L No.	Series No.	DR	CR						
1	235			JV									04	270610	972	264.00	101/999	411/7xx	
2	233			JV									26	170801	219	264.00	431/7xx	101/999	
3				JV															
4				JV															
5				JV															
6				JV															
7				JV															
8				JV															
9				JV															
10				JV															
11				JV															
12				JV															
13				JV															
14				JV															
15				JV															

DELIVERY CERTIFICATION FOR MATERIALS & SERVICES RECEIVED:

DATE	DATE	SIGNATURE	DEPT.	DATE
02/13/96				
erinda				
WRITTEN	APPROVED	SIGNATURE	DEPT.	DATE
EXT	84022			

BATCH TOTAL
528.00

KEYPUNCH
DATE

DEPARTMENT OF HEALTH & HUMAN SERVICES
CITY OF LONG BEACH, CALIFORNIA
HAZARDOUS MATERIALS MANAGEMENT UNIT

SERVICE CHARGES

BILLING DATE: 02-08-96
SITUS ADDRESS: 901 West Anaheim St, Long Bch 90813
DATE OF INCIDENT: _____
PERSON RESPONSIBLE: City of Long Beach Towing Yard
MAILING ADDRESS: Fleet Services Bureau 2801 E. Willow St. Long Bch 90806

DESCRIPTION OF CHARGES (CHECK ALL THAT APPLY)		
EMERGENCY RESPONSE _____ HRS.		\$ _____
SITE CLEAN-UP FEE		
LAB ANALYSIS FEE		
SITE CHARACTERIZATION REVIEW <u>2</u> HRS.		<u>132</u>
SITE REMEDIATION REVIEW _____ HRS.		
TOTAL:		\$ <u>132.00</u>

(Total Hours 2 × Rate \$ 66.00 per hour = \$ 132.00 Service Charge)

HL-537 (4/89)

WHITE: Haz Mat YELLOW: File PINK: Admin.

Lawrence L. Piro
SIGNATURE

Date: 9-18-96

Note To File

Regarding: 901 W ANAHEIM

Address

Memo:

OF EPICS INTL (810) 432-9717

CHARL MYERS CALLED & WANTED TO KNOW IF
ARROW SITE HAS BEEN REFERRED BACK TO
HEALTH DEPT ^{FOR CLOSURE} FROM WATER BOARD SINCE WATER BOARD
HAS BEEN "STREAM LINING" THEIR CLOSURE OF LOW RISK
SITES.

I TOLD HIM I'LL CHECK FILES.

~~CCCCCCCC~~ I CALLED MR. MYERS BACK & TOLD HIM
THAT THIS SITE IS NOT A WATERBOARD SITE. HE
SAID THAT THEY HAVE SUBMITTED THE FINAL SITE
ASSESSMENT REPORT AT THE BEGINNING OF THIS
YEAR & THERE IS GROUND ^{WATER} CONTAMINATION SO HE'S
SURPRISED THAT IT HASN'T BEEN REFERRED TO WATERBOARD.
HE REQUESTED THIS SITE TO BE REFERRED BACK TO HEALTH DEPT.
I INFORMED HIM THAT CAMERON PRO IS ON VACATION
& WON'T BE BACK UNTIL 1ST WEEK OF OCTOBER
SO HE SAID, HE'LL PUT THIS IN "BACK BURNER"
UNTIL SITE COMES BACK.

Cheryl J. Jones

P.S. 2 COPIES

~~CCCCCCCC~~ FINAL SITE ASSESSMENT DATED 1-31-96
FROM EPICS INTL WITH FILE



**JOINT POWERS AGENCY
LONG BEACH/SIGNAL HILL**

Unified Program Agency



2525 Grand Avenue • Long Beach, California 90815 • (562) 570-4131

April 2, 2001

Mr. Greg Kwey, Senior Water Resources Control Engineer
California State Regional Water Quality Control Board
- Los Angeles Region
320 West 4th Street, Suite 200
Los Angeles, California 90013

Re: 901 West Anaheim Street, Long Beach, California

Dear Mr. Kwey:

The Long Beach City Department of Health and Human Services has received information regarding the above referenced site that is indicative of ground water contamination.

The purpose of this letter is to refer this matter to your agency. I have enclosed copies of all relevant reports and correspondence.

We would appreciate continuing to receive copies of all future reports and correspondence in order to keep our file up to date until the cleanup has been completed.

If you desire additional information regarding this matter, please contact Carmen Piro at 562/570-4137, Environmental Health, between the hours of 8:00 a.m. to 9:00 a.m. or 4:00 p.m. to 5:00 p.m., Monday through Friday.

Sincerely,

Jeff Benedict, R.E.H.S., M.P.A.
Hazardous Waste Operations Officer

cc: Long Beach Fire Prevention Bureau
David McCarty, Fleet Services Bureau

waterlet

UNDERGROUND TANK PROGRAM TRACKING SYSTEM

Situs Address: 901 West Anaheim Street K05410
 DBA: City of Long Beach Towing Yard
 Owner/Responsible Party: Fleet Services Bureau, Attn David McCarty
 Owner/Responsible Address: 2801 East Willow Street, Long Beach 90806
 Characterization Required ☒ Yes ☐ No

TANK INFORMATION

No.	Size(gal)	Contents	Date Lab Results
1	550gal	Diesel	09-01-95/10-04-95

Site Characterization Letter Sent	Date: <u>10-10-95</u>
Site Characterization Permit Appl. Received	Date: <u>12-08-95</u>
Site Characterization Permit Issued	Date: <u>12-14-95</u>
Site Characterization Billing	Date: _____
Site Remediation Letter Sent	Date: _____
Site Remediation Permit Appl. Received	Date: _____
Site Remediation Permit Issued	Date: _____
Site Remediation Billing	Date: _____
Referred to Water Quality Management Board	Date: <u>4/2/01</u>
File Closed/No Further Action Required	Date: _____
Referred to City Prosecutor	Date: _____
S.C.A.Q.M.D. Permit/Variance Issued	Date: _____

Note: Site characterization permit application returned for D. McCarty signature 1/12-13-95.



Anton H. Hickox
Secretary for
Environmental
Protection

California Regional Water Quality Control Board

Los Angeles Region

(50 Years Serving Coastal Los Angeles and Ventura Counties)

320 W. 4th Street, Suite 200, Los Angeles, California 90013
Phone (213) 576-6600 FAX (213) 576-6640
Internet Address: <http://www.swrcb.ca.gov/rwqcb4>



Gray Davis
Governor

June 22, 2001

Mr. Robert Metzger
City of Long Beach
333 W. Ocean Boulevard
Long Beach, CA 90802

UNDERGROUND STORAGE TANK PROGRAM-GROUNDWATER ASSESSMENT LONG BEACH CITY TOW YARD 901 WEST ANAHEIM STREET, LONG BEACH (CASE #908130498)

Dear Mr. Metzger,

The Regional Water Quality Control Board, Los Angeles Region, is the primary agency charged with the responsibility for maintaining the existing and potential beneficial uses of the waters in the Los Angeles and Ventura Counties. Your case file for the above referenced subject site has been referred to this Regional Board from the Joint Powers Agency, Long Beach/Signal Hill. We have reviewed the "Final Site Characterization Report For The Phase II Environmental Assessment of Gasoline-Impacted Soil," dated January 31, 1996, submitted by the EPICS International, for the above referenced site. In reference to the above document, we have the following comments:

1. Based on the groundwater data provided by the above Report, it appears that groundwater plume has not been adequately defined. Therefore, you are required to submit a workplan for the installation of groundwater monitoring wells to fully define the extent of groundwater contamination.
2. The construction and development of groundwater monitoring wells must comply with the requirements prescribed in California Code of Regulations (CCRs), Title 23, Division 3, Chapter 16, Section 2649.
3. A site-specific Health and Safety Plan must be included with the Work Plan.
4. You are required to submit a detailed, scaled map indicating the location of surrounding business and residences in the vicinity of the referenced site. The information must be included in the Work Plan.
5. All reports submitted to this office must conform to the "Guidelines for Report Submittals," (June 1993) published by the Los Angeles County Department of Public Works.
6. The Work Plan must include the information on the depth to drinking water aquifer, hydrogeological units of the aquifer, and a scaled map showing the locations and identifications of all production wells and surface water bodies within one mile radius of the site.
7. The soil and groundwater samples must be analyzed by EPA Method 8015 for TPH_G, EPA Method 8021 or 8260B for BTEX, including methyl tertiary butyl ether (MTBE) and EPA Method 8260B for di-isopropyl ether (DIPE), ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), tertiary butyl alcohol (TBA). If MTBE is detected it must be quantified using EPA Method 8260B.

California Environmental Protection Agency

The energy challenge facing California is real. Every Californian needs to take immediate action to reduce energy consumption
For a list of simple ways to reduce demand and cut your energy costs, see the tips at: <http://www.swrcb.ca.gov/news/echallenge.html>



Our mission is to preserve and enhance the quality of California's water resources for the benefit of present and future generations.

June 22, 2001

All soil samples must be prepared per EPA Method 5035. All analytical data must be reported by a California certified laboratory.

8. Pursuant to recent changes of the California Health and Safety Code (Sections 25299.37.2) and Division 7 of the Porter Cologne Water Quality Control Act under AB 681, the Regional Board is required to notify all current fee title holders for the subject site or sites impacted by releases from underground storage tanks prior to considering corrective action and/or cleanup or case closure. Since you are identified as the current primary or active responsible party for corrective action and/or cleanup at the subject site, we are requesting that you provide us with a complete mailing list of all record fee title holders for the subject site. Therefore, please provide along with your workplan the name, mailing address, and telephone for all record fee title holders for the subject site together with a copy of county record of current ownership (grant trust deed), available from the County Recorder's Office, for verification, or with the certification declaration as attached by **August 22, 2001**.

Pursuant to Sections 13267(b) of the California Water Code, you are required to submit a Work Plan by **August 22, 2001**. Failure to fully comply with the due date may result in enforcement action by the Regional Board.

If you have any question regarding this matter, please call Mr. Noman M. Chowdhury at (213) 576-6792.

Sincerely,



Gregg Kwey
Senior Water Resources Control Engineer

Enclosure: AB681 Form

cc: Ms. Yvonne Shanks, State Water Resources Control Board, Underground Storage Tank Cleanup Fund
Mr. Tim Smith, Los Angeles County Department of Public Works, Environmental Programs Division, Underground Tanks

California Environmental Protection Agency

The energy challenge facing California is real. Every Californian needs to take immediate action to reduce energy consumption
For a list of simple ways to reduce demand and cut your energy costs, see the tips at: <http://www.swrcb.ca.gov/news/echallenge.html>



Our mission is to preserve and enhance the quality of California's water resources for the benefit of present and future generations.

November 15, 2001

Mr. Norman M. Chowdhury
**CALIFORNIA REGIONAL WATER
QUALITY CONTROL BOARD**
LOS ANGELES REGION
320 West 4th Street, Suite 200
Los Angeles, California 90013

THE
QUALITY CONTROL BOARD
LOS ANGELES REGION
REYNOLDS GROUP
A California Corporation

PROPERTY: LONG BEACH CITY TOW YARD
901 WEST ANAHEIM STREET
LONG BEACH, CALIFORNIA

LARWQCB NO. 908130498

**SUBJECT: WORKPLAN TO ADVANCE GEOPROBES AND INSTALL
GROUNDWATER MONITORING WELLS**

Dear Mr. Chowdhury,

As directed in your letter to the City of Long Beach dated June 22, 2001, The Reynolds Group (TRG) is submitting this workplan to advance six (6) geoprobes and install three (3) groundwater monitoring wells at the subject site. Please see Figure 1-Site Location Map for detail. Additionally, during a review of the Los Angeles Regional Water Quality Control Board (LA RWQCB) case file for the subject property, it was discovered that LA RWQCB case file is missing the following reports: *Underground Storage Tank Closure Report* dated November 2, 1995 and *Final Site Characterization Report for the Phase II Environmental Assessment of Gasoline-Impacted Soils*. Please find enclosed one copy each of these reports. We trust that this material will help to advance this case toward closure.

SITE HISTORY

On August 30, 1995, one (1) 550-gallon gasoline underground storage tank (UST), and associated product piping were removed from the subject site as detailed in the *Underground Storage Tank Closure Report* by Maness Environmental Services, Inc., dated November 2, 1995. Two (2) soil samples were collected: one (1) from the below the UST excavation and one (1) from the stockpile. Laboratory analytical results indicated detectable concentrations of gasoline in the soils. (See Table 1 below). Groundwater was encountered at 8-10 feet below ground surface (ft bgs) in the tank excavation. On December 14, 1995 and January 18, 1996, six (6) soil borings were advanced to depths ranging from 5 to 13 feet below ground surface (bgs) and five (5) groundwater samples were collected at 10 feet bgs as detailed in the *Final Site Characterization Report for the Phase II Environmental Assessment of Gasoline-*

Mr. Norman Chowdhury
**CALIFORNIA REGIONAL WATER
 QUALITY CONTROL BOARD
 LOS ANGELES REGION**

Re: Workplan for Long Beach City Tow Yard.
 October 29, 2001
 Page 2 of 6

Impacted Soils by Epics International by Epics International. Three (3) additional soil borings were collected: two (2) from the north and south sidewalls of the excavation at 6 feet bgs and one (1) soil sample was collected from under the center of the excavation at 10 feet bgs. Laboratory analytical results indicated detectable concentrations of gasoline in the soils and groundwater. (See Tables 1 & 2 below).

TABLE 1 SOIL SAMPLING RESULTS LONG BEACH CITY TOW YARD 901 West Anaheim, Long Beach, CA							
Sample ID	Sample Depth (ft bgs)	EPA M8015	EPA M8015	EPA M8020 (mg/Kg) ⁽⁴⁾			
		TPH Gas (mg/Kg)	TPH Diesel (mg/Kg)	Benzene	Toulene	Ethylbenzene	Xylenes
1C-8 ⁽¹⁾	8	7500	NA	22	17	98	470
SP-1	NA	ND	NA	ND	ND	ND	0.013
B1 ⁽²⁾	5.5	125	42	0.33	0.33	1.85	3.5
B1	10	ND	ND	0.086	0.15	0.32	1.6
B2	5	ND	ND	ND	ND	ND	ND
B2	10	ND	ND	ND	ND	ND	ND
B2	13	ND	ND	ND	ND	ND	ND
B3	5	ND	ND	ND	0.012	0.009	ND
B3	10	690	29	3.9	4.1	11	49
B4	5	3350	270	4.0	7.0	8.5	320
B4	10	1400	145	9.5	6.6	30	150
B5	5.5	3.3	ND	ND	ND	0.050 ⁽³⁾	0.23 ⁽³⁾
B5	10	5500	530	27	48	110	540
B6	5	28	ND	ND	ND	0.18	ND
B6	10	1640	140	13	14	37	170
North Side	6	74	51	0.096	0.12	0.24	0.69
South Side	6	2800	230	13	4.8	37	270
Center	10	286	26	2.1	6.6	6.5	35

⁽¹⁾ 1C-8 & SP-1 sampled by Maness Environmental Services, Inc. during tank removal activities.

⁽²⁾ B1-B6, North Side, South Side and Center sampled by Epics International.

⁽³⁾ Taken directly from Southland Technical Services, Inc. Laboratory Results as there appears to be an error in the Epics Report.

⁽⁴⁾ MTBE Not analyzed.

NA= Not analyzed

ND= Non Detect

TABLE 2
GROUNDWATER SAMPLING RESULTS
LONG BEACH CITY TOW YARD
 901 West Anaheim, Long Beach, CA

Sample ID	Sample Depth (ft bgs)	EPA M8015	EPA M8015	EPA M602 (mg/L) ⁽²⁾			
		TPH Gas (mg/L)	TPH Diesel (mg/L)	Benzene	Toulene	Ethylbenzene	Xylenes
B1 ⁽¹⁾	10	3400	600	7.4	18	108	703
B2	10	ND	ND	ND	ND	0.0006	0.0019
B3	10	1200	160	1.52	2.66	3.56	15
B4	10	NA	NA	NA	NA	NA	NA
B5	10	3000	94	18	42.4	84.6	445
B6	10	200	28	7.2	4.1	7.6	34.8

⁽¹⁾ B1-B6 sampled by Epics International.

⁽²⁾ MTBE Not analyzed.

NA= Not analyzed

ND= Non Detect

PURPOSE OF THE WORK

The purpose of this work is to further assess the extent of groundwater contamination with geoprobes and install three (3) groundwater monitoring wells.

SCOPE OF WORK

Overview of the Work.

1. Advance six (6) Geoprobe and sample groundwater to further define the vertical and lateral extent of contamination.
2. Install three (3) on-site groundwater monitoring wells in the areas of greatest contamination as indicated by the results of the Geoprobe work.
3. Initiate groundwater monitoring at the site.
4. Prepare a report detailing the work and findings.

Geoprobe Groundwater Investigation. Six (6) geoprobes will be advanced to collect soil and groundwater samples. The laboratory results of the groundwater samples will provide a better definition of the vertical and lateral extent of gasoline-impacted soil and groundwater at the subject site. These results will aid in the location of three (3) groundwater monitoring wells. Soil samples will be collected at (5) five feet bgs and at the capillary fringe as described in the next-section "Groundwater Well Installation". Groundwater samples will be collected from (15) fifteen bgs..

Groundwater Well Installation. As described above and shown on the attached Figure 2, three 20-foot deep groundwater monitoring wells will be installed on the Site. The location and final design of the wells will be determined once the results from the Geoprobe work have been reviewed. The Reynolds Group (TRG) will fax you a map of the proposed locations.

Prior to installing the groundwater wells, we will obtain permits from the local regulatory agency(ies). A proposed well schematic is attached to this work plan and shows four-inch diameter schedule 40 PVC wells installed in a 12-inch borehole with the screened interval intercepting the saturated zone at a depth of approximately 11 feet bgs.

A photoionization detector (PID) will be used as a field-screening tool to determine the relative presence of petroleum hydrocarbons in the soils. During the drilling of the well boreholes, soil samples will be collected in brass sleeves at five-foot intervals using a California-modified split spoon sampler. In addition, samples will be collected approximately 2' above the water table and 2' below the water table. The soil lithology will be recorded. All samples will be prepared per USEPA Method 5035. Once the samples are collected, the filled sleeves will be covered with Teflon, capped with plastic covers, and uniquely identified with the boring number and depth. In addition, Encore calibrated five gram sampling devices will be used to supplement the sampling in accordance with Los Angeles Regional Water Quality Control Board protocols. The sample labeling will correspond to the following sequences: MW1-5' indicates the soil sample from boring MW1 at a depth of approximately 5 feet bgs.

The wells will be screened such that approximately five feet of screened interval will be above the piezometric surface and 10 feet of screened interval will be below the piezometric surface. Each well will be finished at the surface with a one-foot diameter, steel, traffic-grade well box with bolted lid to prevent incidental damages or liability. Please see Figure 3- Groundwater Monitoring Well Design for detail. A licensed surveyor will determine the elevation of the top of the well casings.

After developing the wells appropriately, we will sample and analyze the groundwater for TPH as gasoline and diesel, benzene, toluene, ethylbenzene, xylenes (BTEX), MTBE and other oxygenates as described in the next paragraph.

Laboratory Analyses. All soil samples will be prepared per USEPA Method 5035. Chain-of custody procedures will be followed in transporting the samples to the laboratory. Samples will be transported in a chilled state to the laboratory. Chemical & Environmental Laboratories (C&E) of Santa Fe Springs, California will be directed to analyze the samples. C&E is a state-certified laboratory. The samples will be analyzed by EPA Method 8015 for TPH modified for gasoline and diesel, and EPA Method 8260B for BTEX, MTBE, diisopropyl ether (DIPE), ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME) using the Los Angeles Regional Water Quality Control Board's most recent protocol.

Waste Disposal. The cuttings from the exploration work will be stored on site in labeled, 55-gallon drums. The cuttings will not be placed back into the borings. The probes will be backfilled with a bentonite slurry.

Report on the Work. The results of the fieldwork will be put into a report and include the seal of a California Registered Civil Engineer.

Quarterly Groundwater Monitoring Quarterly groundwater monitoring will be initiated.

HEALTH AND SAFETY PLAN

All staff and third parties who will be near or around the project will be required to sign the health and safety plan that has been prepared and is attached to this letter.

ELECTRONIC DELIVERABLE FORMAT

In fulfillment of State of California AB 2886, all laboratory data will be attached in electronic deliverable format or will be uploaded to GEOTRACKER. The Reynolds Group has been appointed by the responsible party as the agent for the transmission of electronic data to GEOTRACKER.

REGISTERED PROFESSIONAL STATEMENT

All work on this project is being performed under the responsible charge of a California Registered Civil Engineer. The licensed professional whose wet ink signature and seal appears at the end of this report will actually supervise or personally conduct all work associated with the project.

Mr. Norman Chowdhury
CALIFORNIA REGIONAL WATER
QUALITY CONTROL BOARD
LOS ANGELES REGION
Re: Workplan for Long Beach City Tow Yard.
October 29, 2001
Page 6 of 6

CERTIFIED LABORATORY

All analytical data will be reported by Chemical & Environmental Laboratories, a California certified laboratory in Santa Fe Springs, California.

CORRESPONDENCES CONCERNING THIS PROJECT

Please be sure that your mailing list includes The Reynolds Group and

Mr. David McCarty
CITY OF LONG BEACH FLEET SERVICES BUREAU
2600 Temple Avenue
Long Beach, CA 90806

The individual for The Reynolds Group who will be handling the technical aspects of the case is Dwayne Ziegler. Mr. Ziegler can be reached directly by cell phone at 714-920-9311.

Sincerely,
THE REYNOLDS GROUP
a California Corporation by:

F. Edward Reynolds, Jr.
F. Edward Reynolds, Jr.

California Registered Civil Engineer #38677



Dwayne Ziegler
Dwayne Ziegler
Project Manager

Cc w/attachements: David McCarty, **CITY OF LONG BEACH FLEET SERVICES BUREAU**

Attachments:

Figure 1 – Site Location Map

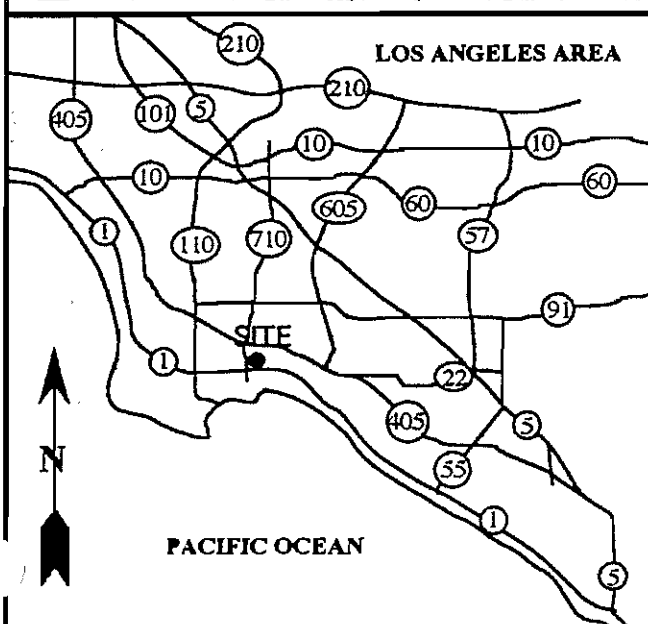
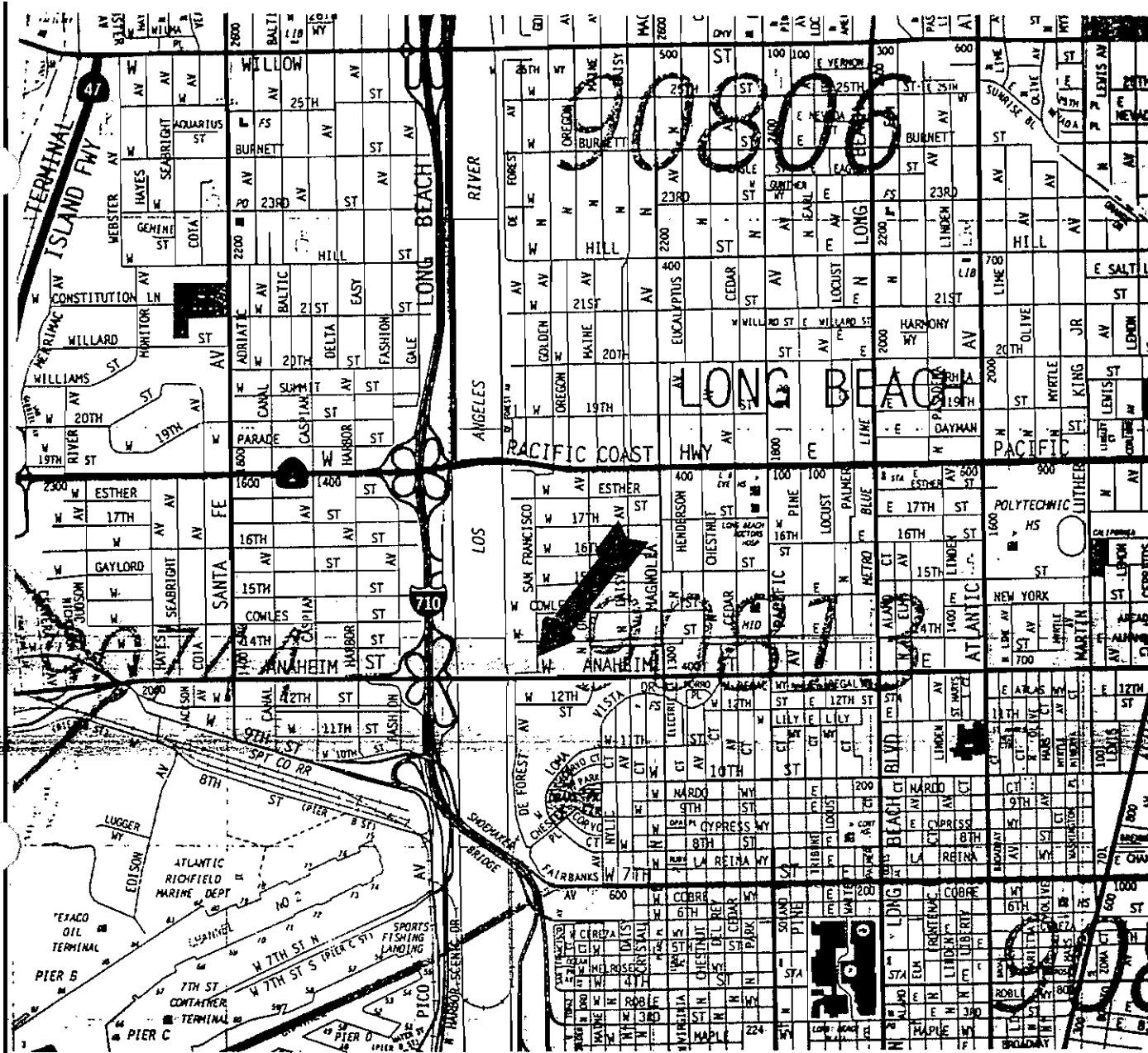
Figure 2 - Site Plot Plan with Proposed Geoprobe Locations

Figure 3 – Groundwater Monitoring Well Design

Health and Safety Plan

Underground Storage Tank Closure Report dated November 2, 1995

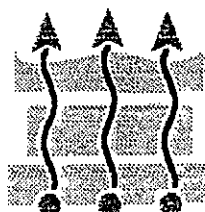
Final Site Characterization Report for the Phase II Environmental Assessment of Gasoline-Impacted Soils dated January 31, 1996



0 2000 4000



FEET
APPROXIMATE SCALE



THE REYNOLDS GROUP

FIGURE 1 SITE LOCATION MAP

LONG BEACH CITY TOW YARD
901 WEST ANAHEIM ST.
LONG BEACH, CALIFORNIA

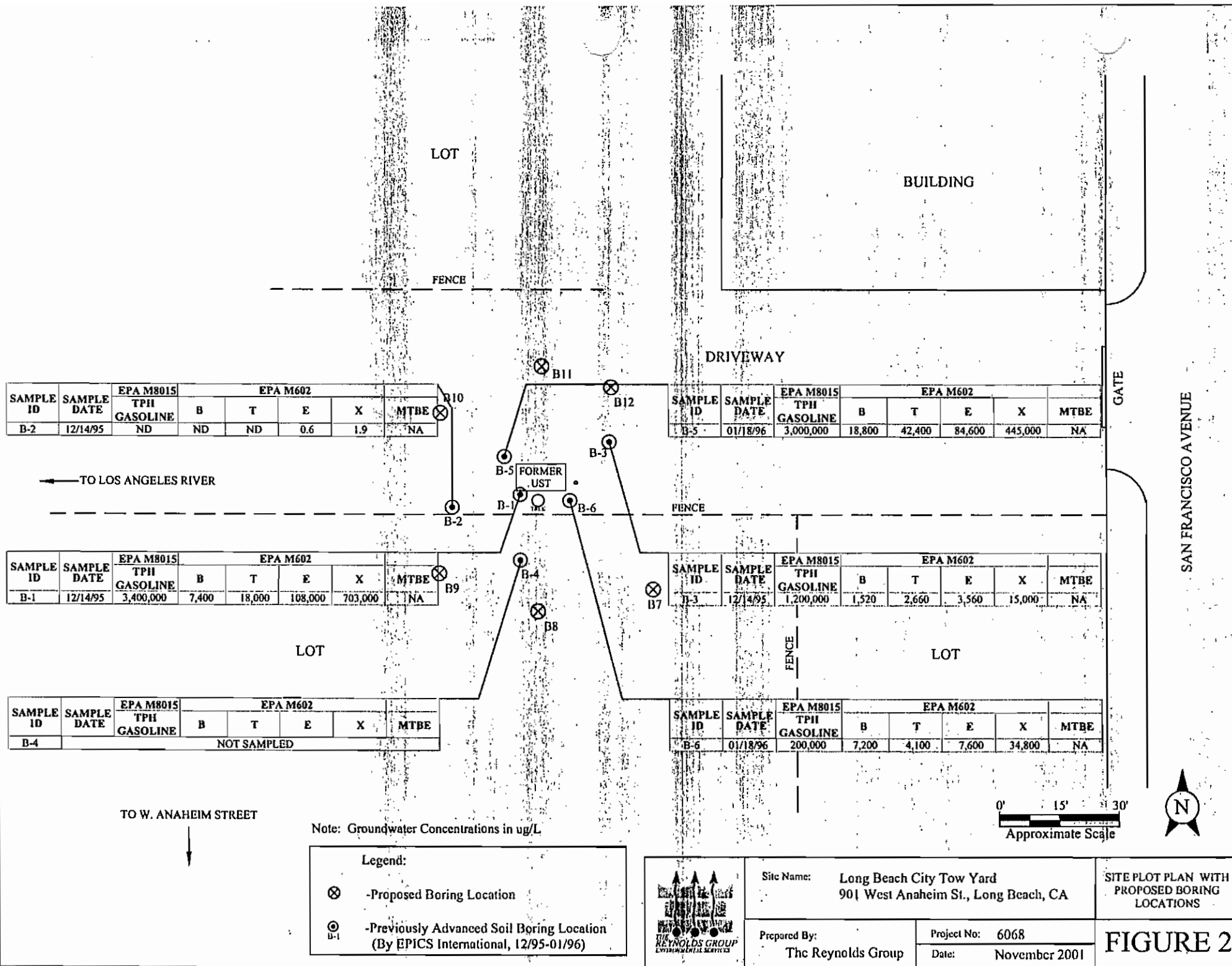


FIGURE 3: MONITORING WELL DETAILS

PROJECT NAME: LONG BEACH CITY TOW YARD

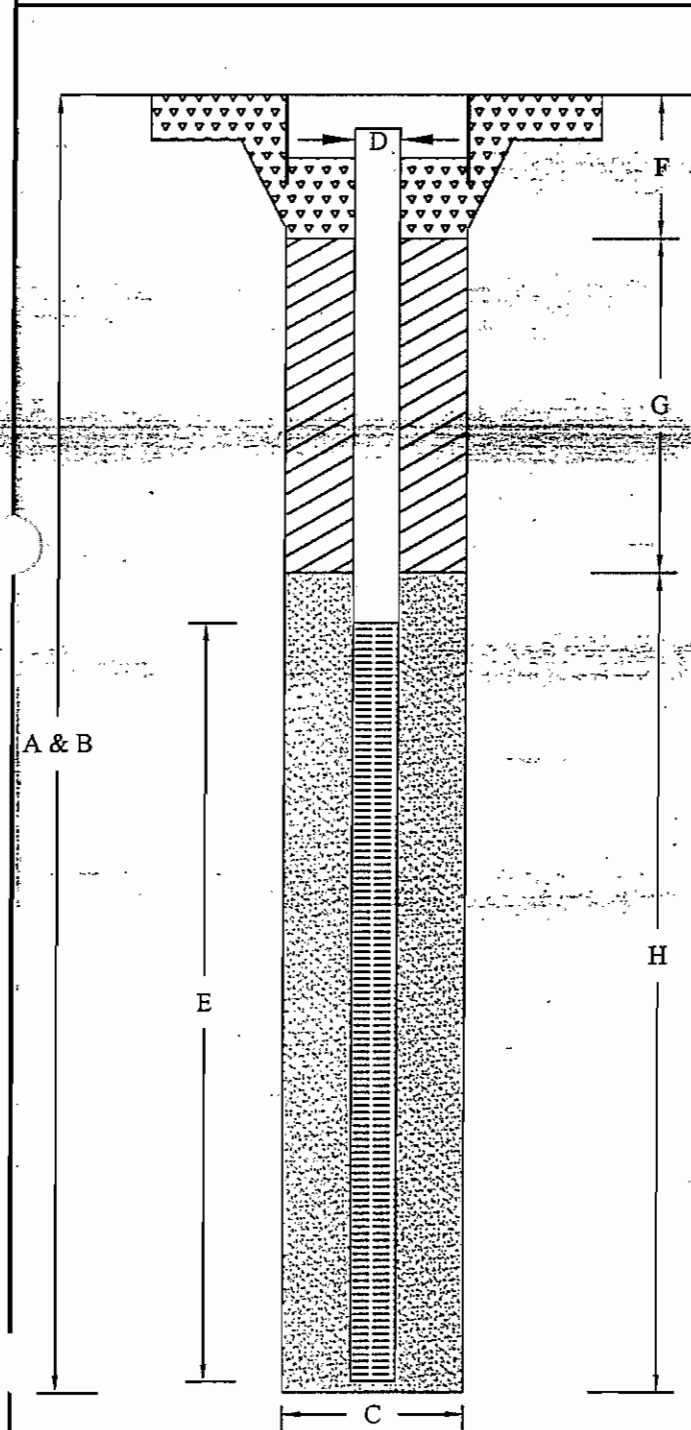
WELL ID: MW1, MW2 and MW3

PROJECT NUMBER: 6068

CASING TYPE: SCHEDULE 40 PVC

LOCATION: 901 West Anaheim Street
Long Beach, CA

DEPTH TO WATER: Approximately 8 to 10 feet



A. TOTAL DEPTH OF BORING: 20 feet

B. CASING LENGTH: 20 feet.

C. BORING DIAMETER: 10 inches

D. CASING DIAMETER: 4 inches

E. PERFORATED ZONE:

Perforated from: 5 feet below ground surface
to 20 feet below ground surface.

Perforation type: factory slotted

Perforation size: 0.010 inches

F. SURFACE COMPLETION: 18 inches

Material: Concrete

G. SANITARY SEAL:

Depth: from surface completion to top of sand

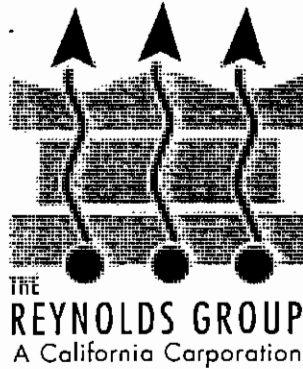
Material: Hydrated medium bentonite chips

H. FILTER PACK:

Depth: 4 feet below ground surface.

to 20 feet below ground surface.

Material: #2/16 Sand



HEALTH AND SAFETY PLAN

SUBSURFACE INVESTIGATION

Long Beach City Tow Yard
901 West Anaheim Street
Long Beach, California

INTRODUCTION

The Reynolds Group (TRG) was engaged to perform a subsurface assessment at Long Beach City Tow Yard at 901 West Anaheim Street in Long Beach, California.

KEY PERSONNEL AND RESPONSIBILITIES

Following are key assignments for this project:

ASSIGNMENT

RESPONSIBLE PARTY

Project Manager:

Dwayne Ziegler/ Ed Reynolds

Project Site Safety Officer:

Dwayne Ziegler

Office Health and Safety Manager:

Ed Reynolds

The Project Manager (PM) has overall responsibility for field development and implementation of this Health and Safety Plan (HASP). The PM assigns health and safety related duties and responsibilities only to qualified individuals. Before anyone enters the work area, they must meet the requirements of 29 CFR 110.120 for medical examination and health and safety training.

The Project Site Safety Officer (PSSO), who must be on-site during all work activities, will be responsible for on-site health and safety activities. The PSSO has stop-work authorization that he will exercise when he perceives an imminent safety hazard, an emergency situation, or any other potentially dangerous situations, such as extreme weather conditions. If the PSSO stops work for a safety-related issue, work cannot begin again until approved by the OHSM. In an emergency, the PSSO will arrange for emergency support services when needed.

GENERAL SAFETY REQUIREMENTS

Continuous air monitoring for worker safety and regulatory compliance will be conducted using a photoionization detector (PID) or flame-ionization detector (FID) a minimum of every 15 minutes during the entire operation, unless directed otherwise by the appropriate regulatory agency officer(s) present on site.

Monitoring equipment, including PID/FID and CG/O2 meter, will be calibrated daily and calibration logs will be maintained on-site and made available upon request.

All on-site personnel operating within the work zone will show proof of current 40-hour hazardous waste operations training upon request.

Cellular telephones/radios will be available on-site at all times during work for communication in the event of an emergency.

HAZARD EVALUATION

The following is an evaluation of the hazards which might be associated with this project and the countermeasures which should be taken to remediate these hazards:

Exposure

POTENTIAL CHEMICALS:

The most likely chemical compounds to be encountered during this remediation are elevated petroleum fuel hydrocarbons, found typically in oil field operations.

ASSOCIATED HAZARD:

Gasoline, Diesel, Oil and Grease: Dermal: can defat and irritate skin
Inhalation: TLV's typically 300-600 ppm
Acute effects = irritant to skin, eyes, nose, mouth

BTEX: Dermal: can defat and irritate skin
Inhalation: TLV for benzene = 1 ppm
Acute effect = irritant
Chronic effect: benzene is a human carcinogen.

MTBE: Dermal: can defat and irritate skin
Inhalation: TLV for MTBE = 25 ppm
Acute effect = irritant
Chronic effects: MTBE is a human carcinogen.

EXPOSURE PROBABILITY AND LIKELY CONSEQUENCE:

A low hazard level exists where there is no contact with the chemicals, when low concentrations are encountered, or when proper protection is worn.

COUNTERMEASURES:

- When OVM reading is less than 50 ppm above background level wear Level D protection;
- When OVM reading is above 100 ppm for greater than 15 minutes wear Level C protection;
- When OVM reading is above 1000 ppm cease work operations until level decreases.

Fire and Explosion

POTENTIAL FOR FIRE OR EXPLOSION:

Workers may encounter fire or explosion hazards on this project. Fire or explosion could occur by rupturing an underground gas line or if digging through soil that contains high concentrations of fuel hydrocarbons.

EXPOSURE PROBABILITY AND LIKELY CONSEQUENCE:

Low probability with moderate consequence.

COUNTERMEASURES:

Seek information about possible underground obstructions from knowledgeable individuals before excavating. Note if Dig Alert has marked the site for underground lines (see Section 3.11).

Oxygen Deficiency

On-site workers are not likely to encounter an oxygen deficiency. Workers will not enter confined spaces on this project.

Ionizing Radiation

On-site workers are not likely to encounter radioisotopes or other hazardous ionizing radiation on this site.

Biologic Hazards

On-site workers are not likely to encounter biologic hazards on this site.

Safety Hazards

On-site workers may encounter physical safety hazards on this site. Work operations include:

- working near moving, powered machinery;
- slips, strains, trips, and falls;
- moving and lifting of heavy objects;
- use of hand tools, and
- use of motor vehicles.

COUNTERMEASURES:

Use experienced on-site persons. Wear hard-toed shoes and approved hard hats. Heighten worker awareness with a tailgate safety session for all on-site workers at the start of work each day. Maintain all equipment (including safety devices) in proper operation condition. Never leave an open excavation unattended.

Electrical

On-site workers could encounter electrical hazards on this site if the front loader contacts overhead power lines, if subsurface work encounters buried live electrical lines, if poor weather conditions exist, or equipment is not properly grounded.

COUNTERMEASURE:

Be sure not to raise the front loader in proximity to overhead power lines. Work shall cease if bad weather conditions exist. Equipment shall be grounded. Seek information about possible underground lines from knowledgeable individuals before excavating. Note if Dig Alert has marked the site for underground lines (see Section 3.11).

Heat Stress

There will be a low likelihood that on-site workers may encounter heat stress on this project. Workers will be wearing Tyvek suits and ambient temperature will likely be in the low-to mid-eighties.

COUNTERMEASURES:

Heighten worker awareness about heat stress at daily tailgate safety session. Monitor heart rate at break time. If heart rate exceeds 110 beats per minute, cut work period by one-third. Provide and encourage drinking of water and juices at the job site.

Cold Exposure

On-site workers are not likely to encounter cold exposure on this project.

Noise

On-site workers will likely encounter excessive noise levels from operation of the heavy equipment.

COUNTERMEASURE:

Workers will wear hearing protection around the backhoe and whenever they have trouble conversing in normal tones at a distance of about five feet.

Underground Lines

Every effort will be made to determine if underground lines exist beneath the site. Dig Alert will be contacted at least two working days prior to the commencement of work.

SITE CONTROL

For control purposes, the work area consists of a 160-foot area around the backhoe. It is open and workers will enter and leave the site with care. Smoking, eating, and drinking are prohibited in the immediate work area. The PSSO will exclude casual observers from the work area and will be on-site during work operations.

EMERGENCY RESPONSE PLAN

Following are emergency names, phone numbers, and contacts:

Police	911
Fire Department	911
Ambulance	911

Emergency Hospital Saint Mary Medical Center 1050 Linden Avenue Long Beach, California	(562)491-9000
---	---------------

The Reynolds Group 250 El Camino Real, Suite 204 Tustin, CA 92780	(714) 730-5397
---	----------------

Dwayne Ziegler, Project Manager:	(714)920-9311 - 24 Hours
----------------------------------	--------------------------

Closest Phone for Emergencies:	Cellular Phones
--------------------------------	-----------------

Medical Emergencies:

For emergencies requiring ambulance service, call 911 for transportation of injured to hospital. Life-flight is available and can be obtained when calling 911.

Nearest Facility:

For medical emergencies that do not require ambulance service, Saint Mary Medical Center is very near the Site. Directions from the Site to the hospital are as follows: Exit the Site and go east on Anaheim to south on Linden Avenue. The hospital is located on the southeast corner of Linden and 11th Street. The most direct route is shown on the attached map.



California Regional Water Quality Control Board

Los Angeles Region

(50 Years Serving Coastal Los Angeles and Ventura Counties)

320 W. 4th Street, Suite 200, Los Angeles, California 90013
Phone (213) 576-6600 FAX (213) 576-6640
Internet Address: <http://www.swrcb.ca.gov/rwqcb4>



Gray Davis
Governor

Winston H. Hickox
Secretary for
Environmental
Protection

February 19, 2002

Mr. David McCarthy
City of Long Beach Fleet Services Bureau
2600 Temple Avenue
Long Beach, CA 90806

FEB 27 2002

UNDERGROUND STORAGE TANK PROGRAM-SOIL AND GROUNDWATER ASSESSMENT LONG BEACH CITY TOW YARD 901 WEST ANAHEIM STREET, LONG BEACH (CASE #908130498)

Dear Mr. McCarthy:

We have reviewed "Workplan to Advance Geoprobos and Install Groundwater Monitoring Wells", dated November 15, 2001, prepared by The Reynolds Group, for the subject site. The workplan proposes to advance six geoprobos and install three groundwater monitoring wells in the areas of greatest contamination to fully define the vertical and horizontal extent of contamination beneath the subject site. We concur with the workplan, provided the following conditions are met:

1. If these proposed wells detect any petroleum hydrocarbons including oxygenates, then additional wells are to be installed at appropriate locations, during this phase of hydrogeologic assessment.
2. All work must be performed by or under the direction of a registered geologist, certified engineering geologist, or registered civil engineer. A statement is required in the report that the registered professional in direct responsible charge actually supervised or personally conducted accordance to all the work associated with the project, as defined in the Professional Engineers Act or the Registered Geologist Act of California Code of Regulations. The registered professional shall assume responsibility for the accuracy and completeness of the logs.
3. All soil samples to be analyzed must be prepared per USEPA Method 5035.
4. The soil and groundwater samples must analyzed for total petroleum hydrocarbons as gasoline (TPHg) and diesel (TPHd) with EPA Method 8015 modified, with EPA method 8260B for benzene, toluene, ethylbenzene, and total xylenes (BTEX) and fuel oxygenates methyl tertiary butyl ether (MTBE), di-isopropyl ether (DIPE), ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), and tertiary butyl alcohol (TBA). If MTBE is detected it must be quantified using EPA Method 8260B. All analytical data must be reported by a California certified laboratory.
5. The construction and development of groundwater monitoring wells must comply with the requirements prescribed in California Code of Regulations (CCRs), Title 23, Division 3, Chapter 16, Section 2649.
6. All necessary permits must be obtained from the appropriate agencies prior to the start of work.

California Environmental Protection Agency

The energy challenge facing California is real. Every Californian needs to take immediate action to reduce energy consumption

For a list of simple ways to reduce demand and cut your energy costs, see the tips at: <http://www.swrcb.ca.gov/news/echallenge.html>



Recycled Paper

Our mission is to preserve and enhance the quality of California's water resources for the benefit of present and future generations.

Mr. David McCarthy
Long Beach City Tow Yard

February 19, 2002

7. Laboratory analyses and the reported results must be conducted in accordance with the "Leaking Underground storage Tanks Program-Updated Laboratory Testing Requirements," date June 22, 2000.
8. All reports must conform to the "Guidelines for Report Submittals" published by the Los Angeles County Department of Public Works, except for pages 28 & 29, which have been superseded by our low risk closure criteria and MTBE review procedure.
9. Please notify this Regional Board at least **seven days** prior to start of any fieldwork so that one of our staff may be present.
10. You are required to continue the quarterly groundwater monitoring and sampling at groundwater monitoring wells. The groundwater monitoring reports are to be submitted quarterly according to the following schedule:

<u>Reporting Period</u>	<u>Report Due Date</u>
January – March	April 15
April – June	July 15
July – September	October 15
October – December	January 15

Pursuant to Sections 13267(b) of the California Water Code, you are required to submit a technical report detailing this phase of the investigation to this Regional Board by **April 19, 2002**. Failure to fully comply with the due date may result in enforcement action by the Regional Board.

If you have any question regarding this matter, please call Mr. Noman M. Chowdhury at (213) 576-6704.

Sincerely,



Gregg Kwey
Senior Water Resources Control Engineer

cc: Mr. Hari Patel, State Water Resources Control Board, Underground Storage Tank Cleanup Fund
Ms. Yvonne Shanks, State Water Resources Control Board, Underground Storage Tank Cleanup Fund
✓ Mr. Jeff Benedit, Joint Power Agency, Long Beach/Signal Hill, 2525 Grand Ave., Long Beach, CA 90815
Mr. Steven Nakauchi, City of Long Beach, Department of Health and Human Services
Mr. F. Edward Reynolds, Jr., The Reynolds Group, 250 El Camino Real, Suite 204, CA 92780

California Environmental Protection Agency

The energy challenge facing California is real. Every Californian needs to take immediate action to reduce energy consumption
For a list of simple ways to reduce demand and cut your energy costs, see the tips at: <http://www.swrcb.ca.gov/news/echallenge.html>



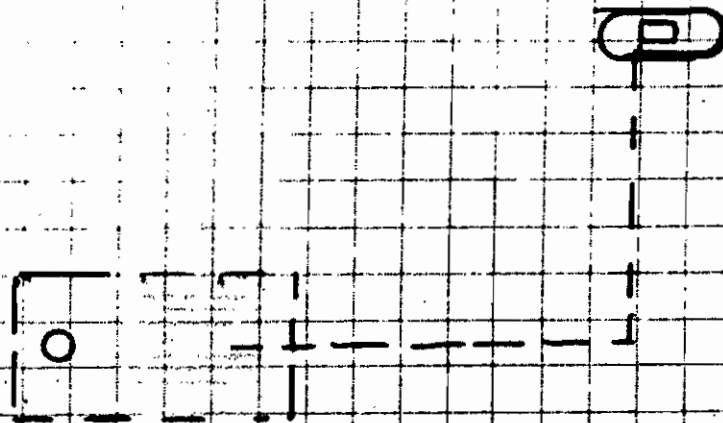
Recycled Paper

Our mission is to preserve and enhance the quality of California's water resources for the benefit of present and future generations.

MBC, USTs

PRIME OF CALIFORNIA,
14751 S. Garfield Ave.
PARAMOUNT, CA 90723
Phone 774-3270 State Lic. #262413

JOB CITY OF LONG BEACH
SHEET NO 1601 SAN ANGELO LONG BEACH, CA
CALCULATED BY _____ DATE _____
CHECKED BY _____ DATE _____
SCALE NONE



ADD 2 INCH GALVANIZED SCHEDULE 40
PIPE W/ SWING JOINTS 10 MIL TAPE
WRAP FOR VAPOR RECOVERY TO
EXISTING GASOLINE TANK
EMCO W HEATON VAPOR RECOVERY

APPROVED
SEP 30 1979
L. O. F. O.
BUREAU OF FIRE PREVENTION

CITY OF LONG BEACH
DEPARTMENT OF FIRE
BUREAU OF FIRE PREVENTION
100 MAGNOLIA AVENUE
Telephone 435-3440
FLAMMABLE LIQUIDS PERMIT

PERMIT FOR UNDERGROUND STORAGE OF FLAMMABLE LIQUIDS IN ACCORDANCE WITH PART 14
OF THE LONG BEACH MUNICIPAL CODE

CLASS OF LIQUID II DATE ISSUED January 10, 1965
LOCATION 1725 San Francisco St.
INSTALL (1) 10,000 Diesel Fuel
REMOVE _____
REPAIR _____ PIPING _____
TANK X CAPACITY 10,000
U. L. NUMBERS _____
TO BE USED IN CONNECTION WITH Public Service Dept.
TYPE OF PUMP _____ OPERATED BY _____
PRESENT NUMBER OF TANKS 1 PUMPS _____
REMARKS _____

TOTAL NUMBER OF TANKS, INCLUDING ABOVE, AT THIS ADDRESS 2
TOTAL NUMBER OF PUMPS, INCLUDING ABOVE, AT THIS ADDRESS 1
TOTAL GALLONS, INCLUDING ABOVE, STORED AT THIS ADDRESS 20,000

DATE	INSPECTION	BY	APPLICANT
			<u>City of Long Beach</u>
TANK <u>1-14-69</u>		<u>[Signature]</u>	ADDRESS <u>Same</u>
PIPING <u>3-28-69</u>		<u>[Signature]</u>	BY _____
VENT _____			ADDRESS <u>Public Service Dept</u>
			TELEPHONE NO. _____

[Signature]
PERMIT ISSUED BY
BUREAU OF FIRE PREVENTION

NOTE: Inspection must be made by Bureau of Fire Prevention prior to covering Tanks and Piping, or removing Tanks

LONG BEACH FIRE DEPARTMENT
BUREAU OF FIRE PREVENTION
400 West Broadway
Long Beach, California 90802

APPLICATION FOR PERMIT
STORAGE, HANDLING, USE OR SALE OF FLAMMABLE AND COMBUSTIBLE LIQUIDS
IN COMMERCIAL AND INDUSTRIAL ESTABLISHMENTS
Article 15, Uniform Fire Code

Name of Business City Public Service Corp. Phone No. 422-8904
Business Address 1725 San Francisco Ave.
Owner of Business or Robert Kennedy Emergency Phone No. 598-2137
Officer of Corporation

List type and amounts of flammable and combustible liquids to be used or stored on the premises:

TYPE	NO. OF TANKS	FLASH POINT	UNDERGROUND STORAGE	INSIDE STORAGE	OUTSIDE STORAGE
Diesel fuel	1		10,000 Gals.		

Is building equipped with an approved automatic sprinkler system? Yes _____ No _____

Does electrical wiring and equipment in building comply with state electrical safety orders and local electrical safety orders and local electrical code? Yes _____ No _____

Are "NO SMOKING" signs installed in storage, dispensing, or mixing areas? Yes _____ No _____

Are flammable or combustible liquids dispensed into smaller containers? Yes _____ No _____

Is area or room for dispensing, or mixing of flammable or combustible liquids been approved by the Fire and Building Departments? Yes _____ No _____

SIGNATURE OF APPLICANT _____ Title _____

APPLICATION: Approved ☒ Denied ☐ BY J. P. Sullivan, C. M. J. Date 3-29-76
FIRE MARSHAL OR INSPECTOR

REMARKS: (For Departmental Use Only)

RECEIVED
MAR 30 1976

Inv. Date 4-16-77

Fee _____

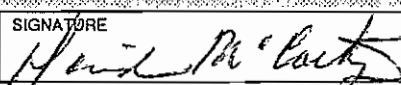
Date Rec'd. _____

Rec'd. By _____

BUREAU OF FIRE PREVENTION

04026

UNDERGROUND STORAGE TANK UNAUTHORIZED RELEASE (LEAK) / CONTAMINATION SITE REPORT

EMERGENCY ☐ YES ☒ NO		HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED? ☐ YES ☒ NO		FOR LOCAL AGENCY USE ONLY I HEREBY CERTIFY THAT I HAVE DISTRIBUTED THIS INFORMATION ACCORDING TO THE DISTRIBUTION SHOWN ON THE INSTRUCTION SHEET ON THE BACK PAGE OF THIS FORM.	
REPORT DATE 08/04/95		CASE # (310) 570-5410		SIGNED _____ DATE _____	
REPORTED BY	NAME OF INDIVIDUAL FILING REPORT (310) 570-5410			SIGNATURE 	
	REPRESENTING ☐ OWNER/OPERATOR ☐ REGIONAL BOARD ☐ LOCAL AGENCY ☒ OTHER <u>Delegate</u>			COMPANY OR AGENCY NAME Fleet Services Bureau	
RESPONSIBLE PARTY	ADDRESS 2801 E. Willow St. Long Beach CA 90806				
	NAME City of Long Beach A Municipal Corporation ☐ UNKNOWN CONTACT PERSON Robert Metzger PHONE (310) 570-6277 ADDRESS 333 W. Ocean Blvd Long Beach CA 90802				
SITE LOCATION	FACILITY NAME (IF APPLICABLE) Public Service Yard OPERATOR Department of Pub. Works PHONE (310) 570-2714 ADDRESS 1725 San Francisco Ave Long Beach COUNTY L.A. ZIP 90813 CROSS STREET Pacific Coast Highway				
	LOCAL AGENCY Long Beach Fire Prevention AGENCY NAME Long Beach Fire Prevention CONTACT PERSON Inspector Tom Hays PHONE (310) 570-2561 REGIONAL BOARD Ca. Water Resources, S.W. Dist. Region #4 PHONE (213) 266-7500				
SUBSTANCES INVOLVED	(1) NAME Motor Oil (New) QUANTITY LOST (GALLONS) 110 ☐ UNKNOWN (2) ☐ UNKNOWN				
	DATE DISCOVERED 08/04/95 HOW DISCOVERED ☒ INVENTORY CONTROL ☐ SUBSURFACE MONITORING ☐ TANK TEST ☐ TANK REMOVAL ☐ OTHER _____ DATE DISCHARGE BEGAN 08/03/95 ☐ UNKNOWN METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY) ☒ REMOVE CONTENTS ☐ CLOSE TANK & REMOVE ☐ REPAIR PIPING ☐ REPAIR TANK ☐ CLOSE TANK & FILL IN PLACE ☒ CHANGE PROCEDURE ☐ REPLACE TANK ☐ OTHER _____ HAS DISCHARGE BEEN STOPPED? ☒ YES ☐ NO IF YES, DATE 08/04/95				
SOURCE/CAUSE	SOURCE OF DISCHARGE ☐ TANK LEAK ☐ UNKNOWN ☒ PIPING LEAK ☐ OTHER _____ CAUSE(S) ☐ OVERFILL ☒ RUPTURE/FAILURE ☐ SPILL ☐ CORROSION ☐ UNKNOWN ☐ OTHER _____				
CASE TYPE	CHECK ONE ONLY ☒ UNDETERMINED ☐ SOIL ONLY ☐ GROUNDWATER ☐ DRINKING WATER - (CHECK ONLY IF WATER WELLS HAVE ACTUALLY BEEN AFFECTED)				
CURRENT STATUS	CHECK ONE ONLY ☐ NO ACTION TAKEN ☐ PRELIMINARY SITE ASSESSMENT WORKPLAN SUBMITTED ☐ POLLUTION CHARACTERIZATION ☐ LEAK BEING CONFIRMED ☒ PRELIMINARY SITE ASSESSMENT UNDERWAY ☐ POST CLEANUP MONITORING IN PROGRESS ☐ REMEDIATION PLAN ☐ CASE CLOSED (CLEANUP COMPLETED OR UNNECESSARY) ☐ CLEANUP UNDERWAY				
REMEDIAL ACTION	CHECK APPROPRIATE ACTION(S) (SEE BACK FOR DETAILS) ☐ CAP SITE (CD) ☐ EXCAVATE & DISPOSE (ED) ☐ REMOVE FREE PRODUCT (FP) ☐ ENHANCED BIO DEGRADATION (IT) ☐ CONTAINMENT BARRIER (CB) ☐ EXCAVATE & TREAT (ET) ☐ PUMP & TREAT GROUNDWATER (GT) ☐ REPLACE SUPPLY (RS) ☐ VACUUM EXTRACT (VE) ☐ NO ACTION REQUIRED (NA) ☐ TREATMENT AT HOOKUP (HU) ☐ VENT SOIL (VS) ☐ OTHER (DT) _____				
COMMENTS	_____ _____ _____				

Monitoring
Well Permits

APPLICATION FOR WELL PERMIT

CITY OF LONG BEACH HEALTH DEPARTMENT

Date

5/18/94

0076

DESCRIPTION

Type of permit (Check)

- ☒ New Well Construction
☐ Reconstruction or Renovation
☐ Destruction

Type of well

- ☐ Private Domestic
☐ Public Domestic
☐ Irrigation
☒ Monitor
☐ Electrode
☐ Industrial
☐ Gravel Pack

Type of casing, if any

Schedule 40 PVC casing (See Plate 1) + locking Traffic Rated well cover

Method of sealing of casing and/or excavation

Five feet of Bentonite seal and Bentonite-concrete slurry
(See Plate 1)

Method of destruction

Address (Number Street and Nearest Intersection)

15th Street and San Francisco Avenue.

City

Long Beach.

Diagram (Show property lines, street, address, well site, sewers, and private sewage disposal systems along with labels and dimensions.)

LOCATION

See attached plate no 2

APPLICANT

Name of Well Driller (Print)

Randy Fagan

Name of Well Owner (Print)

City of Long Beach Public Works

Trade Name

CNL

Mailing Address

15th Street and San Francisco Ave.

Business Address

600 E. Lambert Road City La Habra 90631

City

Long Beach.

I hereby agree to comply in every respect with all regulations of the City Health Department and with all ordinances and laws of the City of Long Beach and of the State of California pertaining to well construction, reconstruction and destruction. Upon completion of well and within ten days thereafter, I will furnish the City Health Department with a complete log of the well, giving date drilled, depth of well, all perforations in casing, and any other data deemed necessary by such City Health Department.

Allen Guzman
Applicant's Signature

Disposition of Application: (For Office Use Only)

- ☒ Approved with Conditions
☐ Denied

Date 5-20-94

If denied or approved with conditions, report reason or conditions here:
To be done in accordance with water well bulletin 74-81 and 74-90.

M. Johnson, M.D.
Health Officer

By

[Signature]
Director, Division of Environmental Health

WHEN SIGNED BY HEALTH OFFICER, THIS APPLICATION IS A PERMIT.
(APPLICANT)



**COUNTY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS**

900 SOUTH FREMONT AVENUE
ALHAMBRA, CALIFORNIA 91803-1331
Telephone: (818) 458-5100

THOMAS A. TIDEMANSON, Director

ADDRESS ALL CORRESPONDENCE TO:
P.O. BOX 1460
ALHAMBRA, CALIFORNIA 91802-1460

IN REPLY PLEASE
REFER TO FILE

D-1

April 21, 1994

no fee

To Whom It May Concern:

PROJECT 9037 PUMP STATION

This is to introduce the consulting firm of Moffat & Nichol Engineers. This firm and their sub-consultants, Tetra Design, Inc., Diaz-Yourman & Associates, Cost Surveying, Inc., and Lynn Capooya, Inc., have been contracted to prepare plans and supporting data for the design of the above project for this Department. This contractual relationship is expected to last until June 1995.

Please cooperate with them and extend to them all courtesy due this Department. Should you have any questions regarding the above noted firms, please contact Mr. Jose Quevedo at (818) 458-7835.

Very truly yours,

HARRY W. STONE
Acting Director of Public Works

James F. Erpenbach

JAMES F. ERPENBACH
Assistant Deputy Director
Design Division

JQ:JK
WP7/INTRO1.JQ



CONSULTANTS
DIAZ-YOURMAN
& ASSOCIATES

Jorge Sandoval
Project Engineer

Geotechnical Services
17461 Irvine Blvd. Suite E Tustin CA 92680-3034
Tel. (714) 838-8565 Fax (714) 838-8741

5-20-94 8:36 AM
Spoke to Lu
Ordering from Public
Works - we've fees
due to another city, Henry
ok

there drilling monitor well
To establish groundwater level --

NO CONTAMINATION problem, NOR do
They expect ANY

John M. Nelson
5-27-94

0124

APPLICATION FOR WELL PERMIT

LONG BEACH HEALTH DEPARTMENT

Date

5/24/95

Type of permit (Check)

- ☒ New Well Construction
☐ Reconstruction or Renovation
☐ Destruction

Type of well

- ☐ Private Domestic
☐ Public Domestic
☐ Irrigation
☒ Monitor
☐ Electrode
☐ Industrial
☐ Gravel Pack

Type of casing, if any

4" diameter slotted and blank PVC Pipe

Method of sealing of casing and/or excavation

Slotted portion of pipe surrounded by filter sand. Bore

above filter sand will be sealed with bentonite chips. Installed by hollow-stem auger techn

Method of destruction

New Well Installation

Address (Number, Street and Nearest Intersection)

Northern City of L.B. Maintenance Yard @

City

Long Beach

Diagram (Show property lines, street, address, well site, sewers, and private sewage disposal systems along with labels and dimensions.)

SEE Figure 1

7001 SAN FRANCISCO

Name of Well Driller (Print)

GEOTECHNICAL AND Environmental

Name of Well Owner (Print)

Los Angeles County Dept. of Public W

Trade Name

DRILLING, INC.

Mailing Address

PO Box 1460

Business Address

739 N. Main St. City Orange CA

City

Alhambra, CA 91802-1460

I hereby agree to comply in every respect with all regulations of the City Health Department and with all ordinances and laws of the City of Long Beach and of the State of California pertaining to well construction, reconstruction and destruction. Upon completion of well and within ten days thereafter, I will furnish the City Health Department with a complete log of the well, giving date drilled, depth of well, all perforations in casing, and any other data deemed necessary by such City Health Department.

Applicant's Signature

Disposition of Application: (For Office Use Only)

- ☒ Approved with Conditions
☐ Denied

Date

5-24-95

if denied or approved with conditions, report reason or conditions here:
 To be done in accordance with water well bulletin 74-81 and 74-90.

M. Johnson, M.D.
 Health Officer

By

Director, Division of Environmental Health

WHEN SIGNED BY HEALTH OFFICER, THIS APPLICATION IS A PERMIT
 (APPLICANT)

COORD
5501

71 12
E.T. = 100°

1994

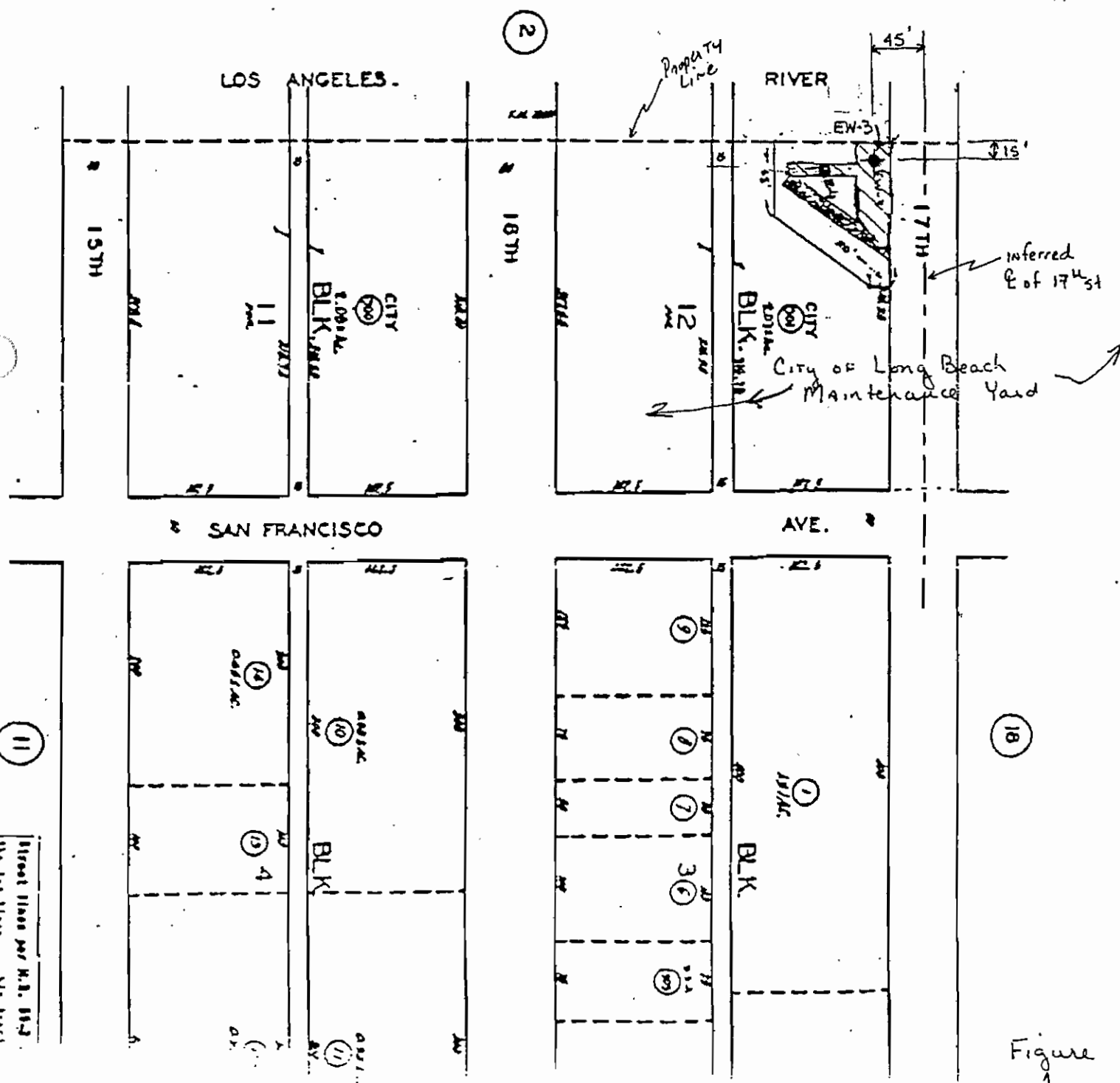
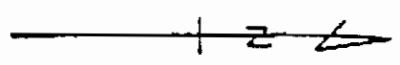


Figure 1

714-634-1353
m. Walker, Jeff
L.B. maintenance yard

CARMEN —

GEO ENVIRONMENTS L

Limited ~~to~~ PHASE II

To determine if soil & groundwater
was contaminated. For EASTMONT

05-31-95

Geo Environmental called me to pay
work was done for L.A. County Dept of
Public Works. Lab report was N.D. for 8080, 8085
ACQUISITION
CARMEN

APPLICATION FOR WELL PERMIT
OF LONG BEACH HEALTH DEPARTMENT

Date

6/9/95

Type of permit (Check)

- ☒ New Well Construction
☐ Reconstruction or Renovation
☐ Destruction

Type of well

- ☐ Private Domestic
☐ Public Domestic
☐ Irrigation
☒ Monitor
☐ Electrode
☐ Industrial
☐ Gravel Pack

Type of casing, if any

2" diameter PVC - Schedule 40 - Slotted from 10'-30' Blank from 0'-10'

Method of sealing of casing and/or excavation

Installed by Hollow stem auger technique; Sand Pack from 8'-30'; bentonite chip seal from 1'-8'; Concrete from 0.5'-1'; Traffic Rated well box at surface.

Method of destruction

Address (Number, Street and Nearest Intersection)

between 17th St and Esther Street on San Francisco Ave

City

Long Beach

Diagram (Show property lines, street, address, well site, sewers, and private sewage disposal systems along with labels and dimensions.)

SEE ATTACHED Drawing

Name of Well Driller (Print)

Discovery Drilling

Trade Name

Name of Well Owner (Print)

County of Los Angeles Dept of Public Works

Mailing Address

PO Box 1460

Business Address

City

City

Alhambra, CA 91802-1460

I hereby agree to comply in every respect with all regulations of the City Health Department and with all ordinances and laws of the City of Long Beach and of the State of California pertaining to well construction, reconstruction and destruction. Upon completion of well and within ten days thereafter, I will furnish the City Health Department with a complete log of the well, giving date drilled, depth of well, all perforations in casing, and any other data deemed necessary by such City Health Department.

X N. Friedman

Applicant's Signature

Disposition of Application: (For Office Use Only)

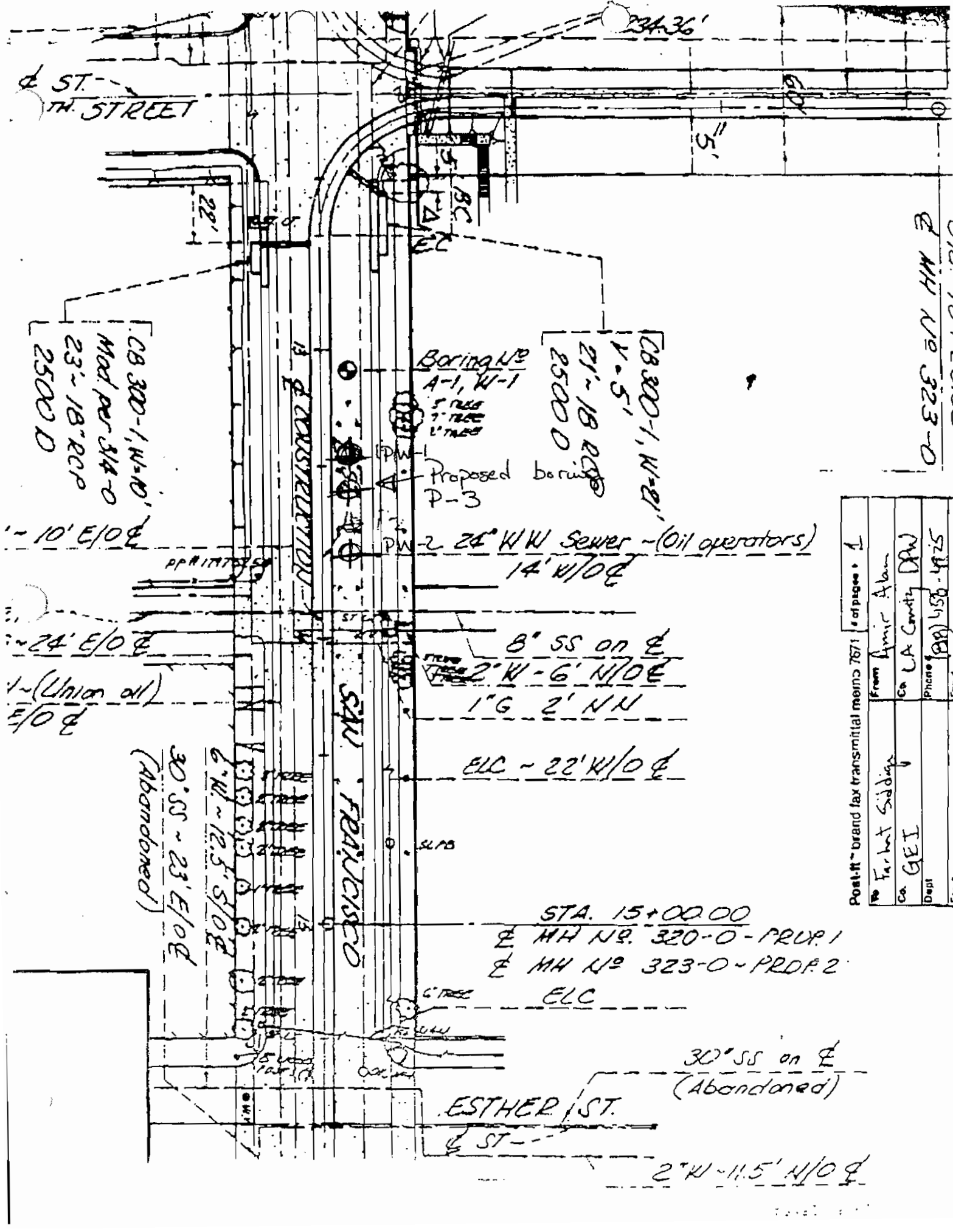
☒ Approved with Conditions☐ Denied

Date

6-12-95

If denied or approved with conditions, report reason or conditions here:
To be done in accordance with water well bulletin 74-81 and 74-90.M. Johnson, M.D.
Health Officer

- Star M. Napauch (For)



114.10 E.C.V.
 MH NO 323-0

CB 300-1, W=10'
 Mod per 3/4-0
 23'-18" RCP
 2500 D

Boring No
 A-1, W-1
 5' TRENCH
 1' TRENCH
 1' TRENCH

CB 300-1, W=10'
 1'-5'
 21'-18" RCP
 2500 D

Proposed boring
 P-3

PN-2 24" W/W Sewer (Oil operators)
 14" W/O

8" SS on E
 2" W-6" N/O
 1" G 2" N N

ELC - 22" W/O

STA. 15+00.00
 MH NO. 320-0 - PROP. 1
 MH NO 323-0 - PROP. 2
 ELC

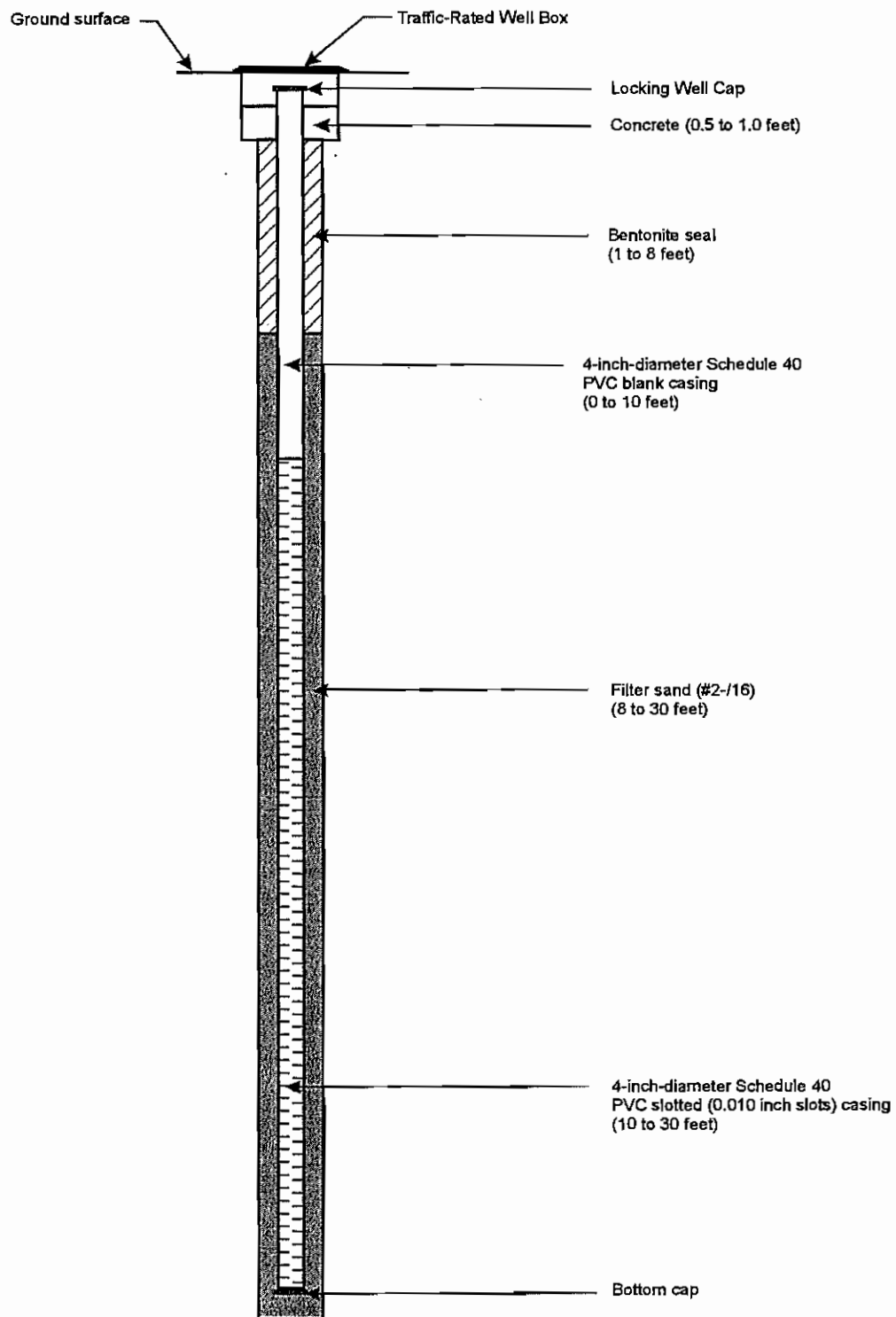
30" SS on E
 (Abandoned)

ESTHER ST.

2" W-11.5" N/O

Post-it brand fax transmittal memo 7671 1 of pages 1

From	Farber Siddigs
To	From Amir Alam
Dept	Ca LA County DAW
Phone	574-956-1425
Fax	



DRAWING NOT TO SCALE

APPENDIX F
EDR DATABASE SUMMARY REPORT
(See CD Insert for Complete Report)





The EDR Radius Map™ Report

**901 W Anaheim St
901 W Anaheim St
Long Beach, CA 90813**

Inquiry Number: 01201380.1r

May 28, 2004

The Standard in Environmental Risk Management Information

440 Wheelers Farms Road
Milford, Connecticut 06460

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com

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EPA Waste Codes	EPA-1
Government Records Searched/Data Currency Tracking	GR-1

GEOCHECK ADDENDUM

GeoCheck - Not Requested

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc. (EDR). The report meets the government records search requirements of ASTM Standard Practice for Environmental Site Assessments, E 1527-00. Search distances are per ASTM standard or custom distances requested by the user.

TARGET PROPERTY INFORMATION

ADDRESS

901 W ANAHEIM ST
LONG BEACH, CA 90813

COORDINATES

Latitude (North): 33.783300 - 33° 46' 59.9"
Longitude (West): 118.203800 - 118° 12' 13.7"
Universal Transverse Mercator: Zone 11
UTM X (Meters): 388544.5
UTM Y (Meters): 3738586.5
Elevation: 12 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property: 33118-G2 LONG BEACH (DIGITAL), CA
Source: USGS 7.5 min quad index

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following government records. For more information on this property see page 6 of the attached EDR Radius Map report:

<u>Site</u>	<u>Database(s)</u>	<u>EPA ID</u>
VEHICLE TOW YARD 901 ANAHEIM LONG BEACH, CA	Cortese	N/A
LONG BEACH CITY TOW YARD 901 ANAHEIM ST W LONG BEACH, CA 90813	LUST	N/A
CITY OF LONG BEACH 0929 W ANAHEIM ST LONG BEACH, CA	UST	N/A
CITY OF LONG BEACH TOWING OPERATIONS 901 W ANAHEIM LONG BEACH, CA 90813	HAZNET	N/A

EXECUTIVE SUMMARY

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the ASTM E 1527-00 search radius around the target property for the following databases:

FEDERAL ASTM STANDARD

NPL	National Priority List
Proposed NPL	Proposed National Priority List Sites
CERCLIS	Comprehensive Environmental Response, Compensation, and Liability Information System
RCRIS-TSD	Resource Conservation and Recovery Information System
RCRIS-LQG	Resource Conservation and Recovery Information System
ERNS	Emergency Response Notification System

STATE ASTM STANDARD

AWP	Annual Workplan Sites
Cal-Sites	Calsites Database
CHMIRS	California Hazardous Material Incident Report System
Notify 65	Proposition 65 Records
Toxic Pits	Toxic Pits Cleanup Act Sites
WMUDS/SWAT	Waste Management Unit Database
CA BOND EXP. PLAN	Bond Expenditure Plan
VCP	Voluntary Cleanup Program Properties
INDIAN UST	Underground Storage Tanks on Indian Land
INDIAN LUST	Leaking Underground Storage Tanks on Indian Land

FEDERAL ASTM SUPPLEMENTAL

CONSENT	Superfund (CERCLA) Consent Decrees
ROD	Records Of Decision
Delisted NPL	National Priority List Deletions
HMIRS	Hazardous Materials Information Reporting System
MLTS	Material Licensing Tracking System
MINES	Mines Master Index File
NPL Liens	Federal Superfund Liens
PADS	PCB Activity Database System
FUDS	Formerly Used Defense Sites
INDIAN RESERV	Indian Reservations
DOD	Department of Defense Sites
US BROWNFIELDS	A Listing of Brownfields Sites
RAATS	RCRA Administrative Action Tracking System
TRIS	Toxic Chemical Release Inventory System
TSCA	Toxic Substances Control Act
SSTS	Section 7 Tracking Systems
FTTS INSP	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

STATE OR LOCAL ASTM SUPPLEMENTAL

AST	Aboveground Petroleum Storage Tank Facilities
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EXECUTIVE SUMMARY

CA WDS.....	Waste Discharge System
DEED.....	List of Deed Restrictions
SCH.....	School Property Evaluation Program
NFA.....	No Further Action Determination
REF.....	Unconfirmed Properties Referred to Another Agency
NFE.....	Properties Needing Further Evaluation
LA Co. Site Mitigation.....	Site Mitigation List
AOCONCERN.....	San Gabriel Valley Areas of Concern

EDR PROPRIETARY HISTORICAL DATABASES

Coal Gas..... Former Manufactured Gas (Coal Gas) Sites

BROWNFIELDS DATABASES

US BROWNFIELDS..... A Listing of Brownfields Sites
VCP..... Voluntary Cleanup Program Properties

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

FEDERAL ASTM STANDARD

CERCLIS-NFRAP: As of February 1995, CERCLIS sites designated "No Further Remedial Action Planned" (NFRAP) have been removed from CERCLIS. NFRAP sites may be sites where, following an initial investigation, no contamination was found, contamination was removed quickly without the need for the site to be placed on the NPL, or the contamination was not serious enough to require Federal Superfund Action or NPL consideration. EPA has removed approximately 25,000 NFRAP sites to lift the unintended barriers to the redevelopment of these properties and has archived them as historical records so EPA does not needlessly repeat the investigations in the future. This policy change is part of the EPA's Brownfields Redevelopment Program to help cities, states, private investors and affected citizens to promote economic redevelopment of unproductive urban sites.

A review of the CERC-NFRAP list, as provided by EDR, and dated 02/26/2004 has revealed that there is 1 CERC-NFRAP site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>AIR PROD AND CHEM INC</i>	<i>901 W 12TH ST</i>	<i>0 - 1/8 SSE</i>	<i>D15</i>	<i>20</i>

EXECUTIVE SUMMARY

CORRACTS: CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

A review of the CORRACTS list, as provided by EDR, and dated 03/15/2004 has revealed that there is 1 CORRACTS site within approximately 1 mile of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
CROSBY & OVERTON PLANT NUMBER	1630 W 17TH ST	1/2 - 1 WNW 94		118

RCRIS: Resource Conservation and Recovery Information System. RCRIS includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs): generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs): generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators (LQGs): generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste from the generator off-site to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

A review of the RCRIS-SQG list, as provided by EDR, and dated 04/13/2004 has revealed that there are 11 RCRIS-SQG sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
SEVEN STRAND TACKLE CORP	899 W COWLES ST	0 - 1/8 NNE	E17	21
ENVIRONMENTAL SERVS DIV	716 W 14TH ST	1/8 - 1/4ENE	H28	28
ELLIS PAINT CO	1200 OREGON AVE	1/8 - 1/4ESE	42	43
IT CORP-ROUTH TRANSPORT & TRAN	800 15TH ST	1/8 - 1/4NNE	L46	45
CHANCELLOR & OGDEN	800 W 15TH ST	1/8 - 1/4NNE	L48	49
MESA ENVIRONMENTAL SVCS INC	721 W 15TH ST	1/8 - 1/4NE	N54	53
LONG BEACH CITY, PUB SERV DEPT	1601 SAN FRANCISCO AVEN	1/8 - 1/4N	O61	59
LONG BEACH TESTING LAB CITY OF	1475 SAN FRANCISCO AVE	1/8 - 1/4N	O62	60
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
T R OIL SERVICES LOB	801 WEST 14TH STREET	0 - 1/8 ENE	C8	10
AIR PROD AND CHEM INC	901 W 12TH ST	0 - 1/8 SSE	D15	20
NOVA TECHNO CORPORATION	1368 OREGON AVE	1/8 - 1/4E	I32	34

STATE ASTM STANDARD

CORTESE: This database identifies public drinking water wells with detectable levels of contamination, hazardous substance sites selected for remedial action, sites with known toxic material identified through the abandoned site assessment program, sites with USTs having a reportable release and all solid waste disposal facilities from which there is known migration. The source is the California Environmental Protection Agency/Office of Emergency Information.

A review of the Cortese list, as provided by EDR, has revealed that there are 24 Cortese sites within approximately 0.5 miles of the target property.

EXECUTIVE SUMMARY

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
THE FOOD BANK OF SOUTHERN	1444 SAN FRANCISCO	0 - 1/8 NNE	E13	17
BKK CORP	0800 W 15TH ST	1/8 - 1/4NNE	L47	46
DOUGLAS PRODUCE	648 COWLES ST	1/8 - 1/4ENE	M52	50
DOUGLAS BROS PRODUCE CO	0648 W COWLES ST	1/8 - 1/4ENE	M53	53
PUBLIC SERVICE YARD	1725 SAN FRANCISCO AVE	1/8 - 1/4N	O58	55
MICOR ENERGY LLC	1234 COWLES ST W	1/4 - 1/2 WNW	64	62
R & M ENTERPRISES	1501 DAISY AVE	1/4 - 1/2ENE	65	64
HARBOR DIESEL & EQUIPMENT INC	0537 W ANAHEIM ST	1/4 - 1/2E	66	66
DIAMOND U PRODUCTS, INC	1429 MAGNOLIA AVE	1/4 - 1/2ENE	68	73
ASSOCIATED BREWERS DIST	615 017TH	1/4 - 1/2NE	73	80
BULK TERMINAL	960 DE FOREST AVE	1/4 - 1/2S	Q75	82
SANTA FE PACIFIC PIPELINE	DE FOREST AVE	1/4 - 1/2S	Q76	84
GOODWILL INDUSTRIES	800 PACIFIC COAST HWY W	1/4 - 1/2N	82	96
NATIONAL PLANT SERVICES	1364 016TH	1/4 - 1/2NW	83	98
MARINE HARDWARE CO	1322 017TH ST W	1/4 - 1/2NW	86	103
LA MIRAGE INN	701 PACIFIC COAST HWY W	1/4 - 1/2NNE	88	107
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
T R OIL SERVICES LOB	801 WEST 14TH STREET	0 - 1/8 ENE	C8	10
ARATEX SERVICES INC	1405 E 58TH PL	1/8 - 1/4ESE	J38	39
DOUGLAS ROBINSON PROPERTY	718 ANAHEIM	1/8 - 1/4ESE	J41	43
GEROGE MITCHEL	1326 012TH	1/4 - 1/2WSW	P69	76
GOODYEAR	1350 12TH	1/4 - 1/2WSW	P70	78
ACME OIL CO (MCMULLEN OIL	1305 016TH	1/4 - 1/2NW	74	82
RUSSELL TRUCK COMPANY	1430 011TH ST W	1/4 - 1/2WSW	79	91
COMMERCIAL TRUCK BODIES	1468 014TH ST W	1/4 - 1/2W	85	101

SWF/LF: The Solid Waste Facilities/Landfill Sites records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. The data come from the Integrated Waste Management Board's Solid Waste Information System (SWIS) database.

A review of the SWF/LF list, as provided by EDR, has revealed that there is 1 SWF/LF site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
PUBLIC SERVICE TRANSFER STATIO	1601 SAN FRANCISCO AVE.	1/8 - 1/4N	O63	60

LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the State Water Resources Control Board Leaking Underground Storage Tank Information System.

A review of the LUST list, as provided by EDR, and dated 04/13/2004 has revealed that there are 24 LUST sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
THE FOOD BANK OF SOUTHERN	1444 SAN FRANCISCO	0 - 1/8 NNE	E13	17
BKK CORP	0800 W 15TH ST	1/8 - 1/4NNE	L47	46
DOUGLAS PRODUCE	648 COWLES ST	1/8 - 1/4ENE	M52	50
PUBLIC SERVICE YARD	1725 SAN FRANCISCO AVE	1/8 - 1/4N	O58	55
MICOR ENERGY LLC	1234 COWLES ST W	1/4 - 1/2 WNW	64	62
R & M ENTERPRISES	1501 DAISY AVE	1/4 - 1/2ENE	65	64

EXECUTIVE SUMMARY

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
HARBOR DIESEL & EQUIPMENT INC	0537 W ANAHEIM ST	1/4 - 1/2E	66	66
DIAMOND U PRODUCTS, INC	1429 MAGNOLIA AVE	1/4 - 1/2ENE	68	73
ASSOCIATED BREWERS DIST	615 017TH	1/4 - 1/2NE	73	80
BULK TERMINAL	960 DE FOREST AVE	1/4 - 1/2S	Q75	82
SANTA FE PACIFIC PIPELINE	DE FOREST AVE	1/4 - 1/2S	Q76	84
MTA DIV. 12	970 CHESTER PL W.	1/4 - 1/2S	R80	93
GOODWILL INDUSTRIES	800 PACIFIC COAST HWY W	1/4 - 1/2N	82	96
NATIONAL PLANT SERVICES	1364 016TH	1/4 - 1/2NW	83	98
MARINE HARDWARE CO	1322 017TH ST W	1/4 - 1/2NW	86	103
LA MIRAGE INN	701 PACIFIC COAST HWY W	1/4 - 1/2NNE	88	107
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
T R OIL SERVICES LOB	801 WEST 14TH STREET	0 - 1/8 ENE	C8	10
WEST COAST CHOPPERS	718 ANAHEIM ST W	1/8 - 1/4ESE	F31	32
ARATEX SERVICES INC	1405 E 58TH PL	1/8 - 1/4ESE	J38	39
NEILL AIRCRAFT COMPANY	1260 W 15TH STREET	1/4 - 1/2WNW	67	70
GEROGE MITCHEL	1326 012TH	1/4 - 1/2WSW	P69	76
ACME OIL CO (MCMULLEN OIL)	1651 FASHION AVE.	1/4 - 1/2NW	78	88
RUSSELL TRUCK COMPANY	1430 011TH ST W	1/4 - 1/2WSW	79	91
COMMERCIAL TRUCK BODIES	1468 014TH ST W	1/4 - 1/2W	85	101

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the UST list, as provided by EDR, and dated 04/13/2004 has revealed that there are 20 UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
THE FOODBANK OF SOUTHERN CALIF	1444 SAN FRANCISCO AVE	0 - 1/8 NNE	E14	19
METROPOLITAN CHEMICAL CO	0733 W 14TH ST	1/8 - 1/4ENE	H24	25
NOVA TECHNO CORP	1368 OREGON AVE	1/8 - 1/4E	H33	34
CARAVAN MANUFACTURING CO INC	1424 OREGON AVE	1/8 - 1/4ENE	39	42
HENDERSON & COMPANY	0703 W COWLES ST	1/8 - 1/4NE	K43	45
Not reported	1451 OREGON AVE	1/8 - 1/4NE	K44	45
BKK CORP	0800 W 15TH ST	1/8 - 1/4NNE	L47	46
AIR CARGO (NOT PREVIOUSLY ON T	0665 W COWLES ST #3	1/8 - 1/4ENE	M50	49
DOUGLAS BROS PRODUCE CO	0648 W COWLES ST	1/8 - 1/4ENE	M53	53
DYNATRON ELECTRIC CO. INC.	1492 OREGON AVE	1/8 - 1/4NE	N56	55
LOEM'S SPORTS WEAR	1501 OREGON AVE	1/8 - 1/4NE	N57	55
CITY OF L.B. PUBLIC SVC YD (2	1725 SAN FRANCISCO AVE	1/8 - 1/4N	O60	59
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
Not reported	0824 W ANAHEIM ST	0 - 1/8 ESE	B6	10
T R OIL SERVICES LOB	801 WEST 14TH STREET	0 - 1/8 ENE	C8	10
LIZETTE CREATIONS	0950 W 12TH ST	0 - 1/8 S	D9	15
FILE ONLY - CAL PACIFIC	0790 W 12TH ST	1/8 - 1/4SE	G19	23
Not reported	0750 W ANAHEIM ST	1/8 - 1/4ESE	F21	24
CHEVRON #209725 (2 D/W XERXES	0725 W ANAHEIM ST	1/8 - 1/4ESE	F27	28
VACANT	0710 W ANAHEIM ST	1/8 - 1/4ESE	J34	37
AMERICAN BUFFALO INC	0702 W ANAHEIM ST	1/8 - 1/4ESE	J36	37

EXECUTIVE SUMMARY

CA FID: The Facility Inventory Database contains active and inactive underground storage tank locations. The source is the State Water Resource Control Board.

A review of the CA FID UST list, as provided by EDR, has revealed that there are 5 CA FID UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
LONG BEACH FOOD BANK	1444 SAN FRANCISCO	0 - 1/8 NNE	E11	16
NOVA TECHNO CORP	1368 OREGON AVE	1/8 - 1/4E	H33	34
BKK CORPORATION	800 W 015TH ST	1/8 - 1/4NNE	L45	45
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
T R OIL SERVICES LOB	801 WEST 14TH STREET	0 - 1/8 ENE	C8	10
CALIF. GLASS DIST.	790 W 012TH ST LONG BEA	1/8 - 1/4SSE	G20	23

HIST UST: Historical UST Registered Database.

A review of the HIST UST list, as provided by EDR, and dated 10/15/1990 has revealed that there are 5 HIST UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
LONG BEACH FOOD BANK	1444 SAN FRANCISCO AVE	0 - 1/8 NNE	E12	16
CALIF. GLASS DIST.	790 W. 12TH ST. LONG BE	1/8 - 1/4SE	G23	25
NOVA TECHNO CORP	1368 OREGON AVE	1/8 - 1/4E	H33	34
BKK CORP	0800 W 15TH ST	1/8 - 1/4NNE	L47	46
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
T R OIL SERVICES LOB	801 WEST 14TH STREET	0 - 1/8 ENE	C8	10

FEDERAL ASTM SUPPLEMENTAL

FINDS: The Facility Index System contains both facility information and "pointers" to other sources of information that contain more detail. These include: RCRIS; Permit Compliance System (PCS); Aerometric Information Retrieval System (AIRS); FATES (FIFRA [Federal Insecticide Fungicide Rodenticide Act] and TSCA Enforcement System, FTTS [FIFRA/TSCA Tracking System]; CERCLIS; DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes); Federal Underground Injection Control (FURS); Federal Reporting Data System (FRDS); Surface Impoundments (SIA); TSCA Chemicals in Commerce Information System (CICS); PADS; RCRA-J (medical waste transporters/disposers); TRIS; and TSCA. The source of this database is the U.S. EPA/NTIS.

A review of the FINDS list, as provided by EDR, and dated 04/08/2004 has revealed that there are 3 FINDS sites within approximately 0.125 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
SEVEN STRAND TACKLE CORP	899 W COWLES ST	0 - 1/8 NNE	E17	21
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
T R OIL SERVICES LOB	801 WEST 14TH STREET	0 - 1/8 ENE	C8	10
AIR PROD AND CHEM INC	901 W 12TH ST	0 - 1/8 SSE	D15	20

EXECUTIVE SUMMARY

STATE OR LOCAL ASTM SUPPLEMENTAL

DRYCLEANERS: A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaners' agents; linen supply; coin-operated laundries and cleaning; drycleaning plants except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

A review of the CLEANERS list, as provided by EDR, and dated 04/21/2004 has revealed that there is 1 CLEANERS site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
ARAMARK UNIFORM SERVICES INC	702 WEST ANAHEIM STREET	1/8 - 1/4ESE	J37	38

Emissions Inventory Data: Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies

A review of the EMI list, as provided by EDR, and dated 12/31/2002 has revealed that there are 20 EMI sites within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
PUBLIC SERVICE TRANSFER STATIO	1601 SAN FRANCISCO AVE.	1/8 - 1/4N	O63	60
LA CO., SANITATION DIST, LB PU	1238 W 16TH ST	1/4 - 1/2NW	72	79
LOMITA GASOLINE COMPANY INC	1348 WEST 9TH STREET	1/4 - 1/2SW	77	87
LA CO METRO TRANS AUTH DIV 12	970 W CHESTER PL	1/4 - 1/2S	R81	95
CUSTOM FIBERGLASS MFG CO/CUSTO	1700-68 HARBOR AV	1/2 - 1 NW	91	113
ROSS AUTO BODY	1756 SANTA FE	1/2 - 1 WNW	97	136
HI-TECK AUTO REPAIR AND BODY C	235 EAST PACIFIC COAST	1/2 - 1 ENE	101	140
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
STAPLETON TECHNOLOGIES INC	1350 W 12TH ST	1/4 - 1/2WSW	P71	78
PLASTIC PAINT PRODUCTION INC	1471 W 15TH ST	1/4 - 1/2WNW	87	105
Not reported	1300 PIER B ST	1/2 - 1 SW	89	109
CAL BUMPER COMPANY INC	1555 W ANAHEIM STREET	1/2 - 1 W	90	111
DION & SONS INC	1569 016TH ST W	1/2 - 1 WNW	92	114
PRATHER PRODUCTS INC, PRATHER	1638 COWLES ST	1/2 - 1 W	93	118
QUALITY ALUMINUM FORGE INCORPO	1410 COTA AVE	1/2 - 1 W	S95	129
SEASIDE INCORPORATED	1439 COTA AVE.	1/2 - 1 W	S96	130
J. H. BAXTER & CO	1710 PIER B AVE	1/2 - 1 WSW	98	137
VEHICLE PROCESSORS, INC.	785 EDISON AVE	1/2 - 1 WSW	99	137
QUALITY BUMPERS	1442 HAYES AVE	1/2 - 1 W	100	140
HANJIN TERMINAL	1521 PIER C ST	1/2 - 1 SW	102	141
NATIONAL GYPSUM COMPANY	1850 PIER B ST	1/2 - 1 W	103	141

CA SLIC: SLIC Region comes from the California Regional Water Quality Control Board.

A review of the CA SLIC list, as provided by EDR, has revealed that there are 6 CA SLIC sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
NOVA TECHNO CORP	1368 OREGON AVE	1/8 - 1/4E	H33	34
ARATEX SERVICES	702 ANAHEIM	1/8 - 1/4ESE	49	49
BULK TERMINAL	960 DE FOREST AVE	1/4 - 1/2S	Q75	82
TIDELAND OIL	1348 009TH	1/4 - 1/2SW	84	101
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
T R OIL SERVICES LOB	801 WEST 14TH STREET	0 - 1/8 ENE	C8	10

EXECUTIVE SUMMARY

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
ELLIS FAMILY TRUST	718 ANAHEIM	1/8 - 1/4ESE	F18	23

HAZNET: The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000-1,000,000 annually, representing approximately 350,000-500,000 shipments. Data from non-California manifests & continuation sheets are not included at the present time. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, & disposal method. The source is the Department of Toxic Substance Control is the agency

A review of the HAZNET list, as provided by EDR, has revealed that there are 21 HAZNET sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
SEVEN STRAND TACKLE CORP	899 W COWLES ST	0 - 1/8 NNE	E17	21
TOMMYS AUTO SVC & TOWING	740 W 14TH ST	1/8 - 1/4ENE	H22	24
METROPOLITAN CHEMICAL CO	0733 W 14TH ST	1/8 - 1/4ENE	H24	25
CONTROLS UNLIMITED INC	723 W 14TH ST	1/8 - 1/4ENE	H25	26
NOVA TECHNO CORP	1368 OREGON AVE	1/8 - 1/4E	H33	34
1X KB MANAGEMENT CO	725 12TH STREET	1/8 - 1/4SE	35	37
ELLIS PAINT CO	1200 OREGON AVE	1/8 - 1/4ESE	42	43
DOUGLAS PRODUCE	650 W COWLES	1/8 - 1/4ENE	M51	50
DOUGLAS PRODUCE	648 COWLES ST	1/8 - 1/4ENE	M52	50
MESA ENVIRONMENTAL SERVICES	721 W 15TH	1/8 - 1/4NE	N55	54
CITY LONG BEACH PUBLIC WORKS	1601 SAN FRANCISCO	1/8 - 1/4N	O59	58

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
RACK FACTORY INC	729W ANAHEIM ST	0 - 1/8 ESE	B5	9
HYDRAULIC & AUTOMATION CONTROL	806 W 14TH ST	0 - 1/8 ENE	C7	10
T R OIL SERVICES LOB	801 WEST 14TH STREET	0 - 1/8 ENE	C8	10
ANTHONY BRENT CORP	950 WEST 12TH ST	0 - 1/8 S	D10	15
AIR PRODUCTS AND CHEMICALS INC	901 WEST 12TH ST	0 - 1/8 SSE	D16	20
BECHLER CORP	725 W ANAHEIM ST	1/8 - 1/4ESE	F26	28
NATIONWIDE EQUIP SALES AND SVC	724 W ANAHEIM ST	1/8 - 1/4ESE	F29	29
FORDON INDUSTRIES INC	1333 OREGON AVENUE	1/8 - 1/4E	I30	30
ARAMARK UNIFORM SERVICES INC	702 WEST ANAHEIM STREET	1/8 - 1/4ESE	J37	38
STRIKE TECHNOLOGY INC DBA WILO	729 W ANAHEIM ST UNIT A	1/8 - 1/4ESE	J40	42

HMS: Los Angeles County Industrial Waste and Underground Storage Tank Sites.

A review of the LOS ANGELES CO. HMS list, as provided by EDR, has revealed that there is 1 LOS ANGELES CO. HMS site within approximately 0.25 miles of the target property.

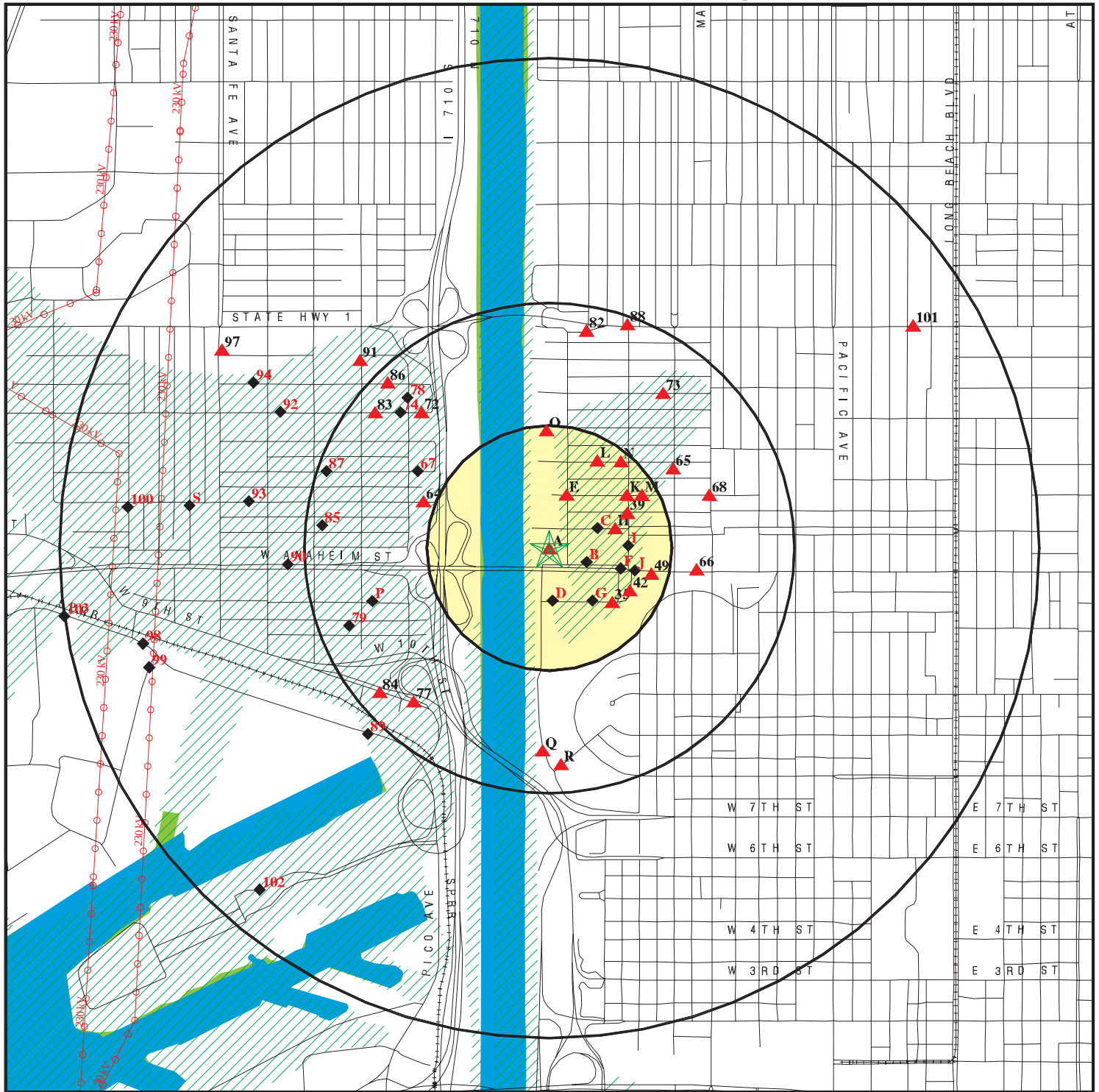
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
ARATEX SERVICES INC	1405 E 58TH PL	1/8 - 1/4ESE	J38	39

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped:

Site Name	Database(s)
USNAVY LONG BEACH NAVAL SHIPYARD	PADS, HAZNET, CHMIRS, RCRIS-LQG, RCRIS-TSD, CORRACTS, HIST UST, VCP
EDISON/LONG BEACH II MGP	Cal-Sites, Cortese
301 HANJIN RD.	HAZNET, CHMIRS
LONG BEACH HARBOR	HAZNET, CHMIRS
BERTH 70, LONG BEACH HARBOUR	HAZNET, CHMIRS
BERTH 30 LONG BEACH HARBOUR	HAZNET, CHMIRS
FLORENCE AVE / TELEGRAPH RD WH	LUST, CHMIRS
CHEROKEE TRUCKING	CERC-NFRAP
LA CITY ENERGY RECOVERY PROJECT (R	SWF/LF
SAN CARLOS DUMP	SWF/LF
SITE #4 - MOLE EXTENSION OPERATIO	SWF/LF
SITE # 5 SKEET RANGE SW FILL AREA	SWF/LF
US NAVAL BASE TERMINAL ISLAND(THE	SWF/LF
LA COUNTY FLOOD CONTROL DUMP	SWF/LF
LONG BEACH TRANSIT	LUST
APM TERMINALS	LUST
UNOCAL - TOSCO (2 D/W JOOR)	UST
RECREATION PARK G.C. (1 D/W MODERN	UST
VERIZON TERMINO C.O. (1 D/W JOOR)	UST
LOMA MOBIL (2 D/W TRUSCO)	UST
PRESTIGE SS #9503 (3 10M D/W XERXE	UST
USA GASOLINE CORP #235 (3 D/W MODE	UST
UNITED OIL #18 (3 10M D/W XERXES)	UST
LACO METRO (2 D/W ACE BUEHLER)	UST
ARCO #9505	UST
LONG BEACH MARINE BUREAU (500 D/W	UST
LA CO PUB WRKS (SEASIDE PUMP) D/W	UST
THE BOEING CO (3 D/W TANKS)	UST
VERIZON L.B. TOLL/NACC (35M D/W JO	UST
APRO, LLC (2 15M D/W XERXES)	UST
ARCO FAC. #9519-CORP LEASE (3 D/W	UST
CBHS @ LOS ALTOS - 1 S/W STEEL	UST
LONG BEACH DISPOSAL	WMUDS/SWAT
MURPHY IND COATINGS LONG BEACH	HAZNET
MURPHY INDUSTRIAL COATINGS INC	HAZNET
ALLWASTE ENVIRONMENTAL SERVICES	HAZNET
PORT OF LONG BEACH	HAZNET
MARTIN CONTAINER INC	HAZNET
STATE OF CALIFORNIA	HAZNET
PORT OF LONG BEACH	HAZNET
CALTRANS	FINDS, RCRIS-LQG
GLENN E. THOMAS AUTO (FORMER)	CA SLIC
LA CO DPW FLOOD LOS ALTOS PP	LOS ANGELES CO. HMS

OVERVIEW MAP - 01201380.1r - SCS Engineers



★ Target Property

▲ Sites at elevations higher than or equal to the target property

◆ Sites at elevations lower than the target property

▲ Coal Gasification Sites

■ National Priority List Sites

■ Landfill Sites

■ Dept. Defense Sites

■ Indian Reservations BIA

■ Power transmission lines

■ Oil & Gas pipelines

■ 100-year flood zone

■ 500-year flood zone

■ Federal Wetlands

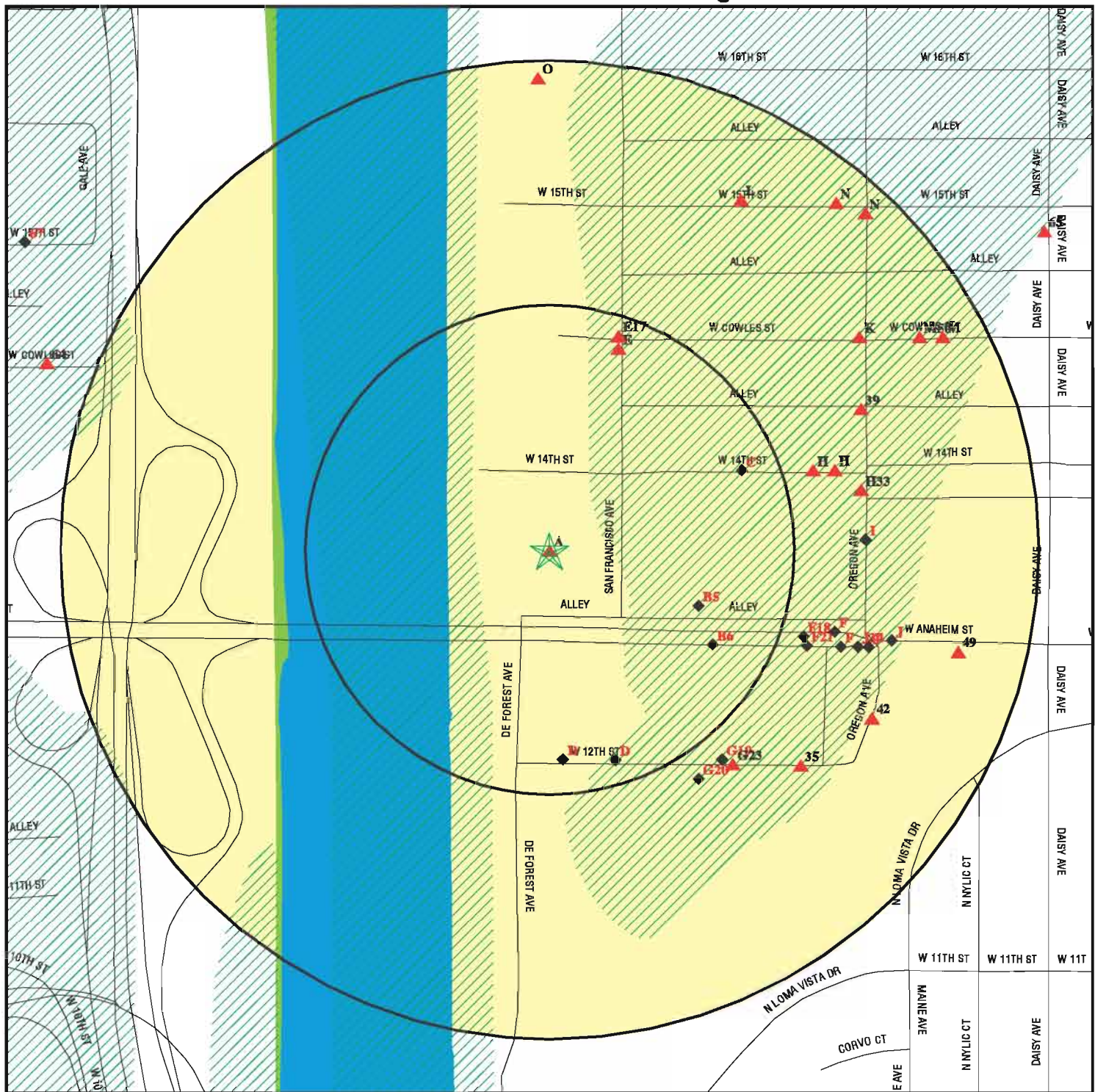
■ Areas of Concern

0 1/4 1/2 1 Miles

TARGET PROPERTY: 901 W Anaheim St
ADDRESS: 901 W Anaheim St
CITY/STATE/ZIP: Long Beach CA 90813
LAT/LONG: 33.7833 / 118.2038

CUSTOMER: SCS Engineers
CONTACT: Loran Bures
INQUIRY #: 01201380.1r
DATE: May 28, 2004 10:27 am

DETAIL MAP - 01201380.1r - SCS Engineers



MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<u>FEDERAL ASTM STANDARD</u>								
NPL		1.000	0	0	0	0	NR	0
Proposed NPL		1.000	0	0	0	0	NR	0
CERCLIS		0.500	0	0	0	NR	NR	0
CERC-NFRAP		0.250	1	0	NR	NR	NR	1
CORRACTS		1.000	0	0	0	1	NR	1
RCRIS-TSD		0.500	0	0	0	NR	NR	0
RCRIS Lg. Quan. Gen.		0.250	0	0	NR	NR	NR	0
RCRIS Sm. Quan. Gen.		0.250	3	8	NR	NR	NR	11
ERNS		0.125	0	NR	NR	NR	NR	0
<u>STATE ASTM STANDARD</u>								
AWP		1.000	0	0	0	0	NR	0
Cal-Sites		1.000	0	0	0	0	NR	0
CHMIRS		0.125	0	NR	NR	NR	NR	0
Cortese	X	0.500	2	6	16	NR	NR	24
Notify 65		1.000	0	0	0	0	NR	0
Toxic Pits		1.000	0	0	0	0	NR	0
State Landfill		0.500	0	1	0	NR	NR	1
WMUDS/SWAT		0.500	0	0	0	NR	NR	0
LUST	X	0.500	2	5	17	NR	NR	24
CA Bond Exp. Plan		1.000	0	0	0	0	NR	0
UST	X	0.250	4	16	NR	NR	NR	20
VCP		0.500	0	0	0	NR	NR	0
INDIAN UST		0.250	0	0	NR	NR	NR	0
INDIAN LUST		0.500	0	0	0	NR	NR	0
CA FID UST		0.250	2	3	NR	NR	NR	5
HIST UST		0.250	2	3	NR	NR	NR	5
<u>FEDERAL ASTM SUPPLEMENTAL</u>								
CONSENT		1.000	0	0	0	0	NR	0
ROD		1.000	0	0	0	0	NR	0
Delisted NPL		1.000	0	0	0	0	NR	0
FINDS		0.125	3	NR	NR	NR	NR	3
HMIRS		0.125	0	NR	NR	NR	NR	0
MLTS		0.125	0	NR	NR	NR	NR	0
MINES		0.250	0	0	NR	NR	NR	0
NPL Liens		0.125	0	NR	NR	NR	NR	0
PADS		0.125	0	NR	NR	NR	NR	0
FUDS		1.000	0	0	0	0	NR	0
INDIAN RESERV		1.000	0	0	0	0	NR	0
DOD		1.000	0	0	0	0	NR	0
US BROWNFIELDS		0.500	0	0	0	NR	NR	0
RAATS		0.125	0	NR	NR	NR	NR	0
TRIS		0.125	0	NR	NR	NR	NR	0
TSCA		0.125	0	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
SSTS		0.125	0	NR	NR	NR	NR	0
FTTS		0.125	0	NR	NR	NR	NR	0
<u>STATE OR LOCAL ASTM SUPPLEMENTAL</u>								
AST		0.250	0	0	NR	NR	NR	0
CLEANERS		0.250	0	1	NR	NR	NR	1
CA WDS		0.125	0	NR	NR	NR	NR	0
DEED		0.125	0	NR	NR	NR	NR	0
SCH		0.250	0	0	NR	NR	NR	0
NFA		0.250	0	0	NR	NR	NR	0
EMI		1.000	0	1	5	14	NR	20
REF		0.250	0	0	NR	NR	NR	0
NFE		0.250	0	0	NR	NR	NR	0
CA SLIC		0.500	1	3	2	NR	NR	6
HAZNET	X	0.250	6	15	NR	NR	NR	21
Los Angeles Co. HMS		0.250	0	1	NR	NR	NR	1
LA Co. Site Mitigation		0.250	0	0	NR	NR	NR	0
AOCONCERN		1.000	0	0	0	0	NR	0
<u>EDR PROPRIETARY HISTORICAL DATABASES</u>								
Coal Gas		1.000	0	0	0	0	NR	0
<u>BROWNFIELDS DATABASES</u>								
US BROWNFIELDS		0.500	0	0	0	NR	NR	0
VCP		0.500	0	0	0	NR	NR	0

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Coal Gas Site Search: No site was found in a search of Real Property Scan's ENVIROHAZ database.

A1
Target
Property

VEHICLE TOW YARD
901 ANAHEIM
LONG BEACH, CA

Cortese **S102440864**
N/A

Actual:
12 ft.

Site 1 of 4 in cluster A

CORTESE:
Region: CORTESE
Fac Address 2: Not reported

A2
Target
Property

LONG BEACH CITY TOW YARD
901 ANAHEIM ST W
LONG BEACH, CA 90813

LUST **S104916177**
N/A

Actual:
12 ft.

Site 2 of 4 in cluster A

State LUST:
Cross Street: SAN FRANCISCO
Qty Leaked: 0
Case Number: 908130498
Reg Board: 4
Chemical: Gasoline
Lead Agency: Regional Board
Local Agency: 19060
Case Type: Soil only
Status: Preliminary site assessment workplan submitted
Abate Method: Excavate and Dispose - remove contaminated soil and dispose in approved site
Review Date: 8/30/95 0:00
Workplan: Not reported
Pollution Char: Not reported
Remed Action: Not reported
Monitoring: 8/30/95 0:00
Close Date: Not reported
Release Date: 08/30/1995
Cleanup Fund Id : Not reported
Discover Date : 08/30/1995
Enforcement Dt : Not reported
Enf Type: LET
Enter Date : 6/7/96 0:00
Funding: Not reported
Staff Initials: Not reported
How Discovered: Tank Closure
How Stopped: Not reported
Interim : Not reported
Leak Cause: Corrosion
Leak Source: Tank
MTBE Date : Not reported
Max MTBE GW : Not reported
MTBE Tested: Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.
Priority: Not reported
Local Case # : 0
Beneficial: Not reported
Staff : NC
GW Qualifier : Not reported
Max MTBE Soil : Not reported
Soil Qualifier : Not reported

Confirm Leak: 8/30/95 0:00
Prelim Assess: Not reported
Remed Plan: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

LONG BEACH CITY TOW YARD (Continued)

S104916177

Hydr Basin #: SAN FERNANDO VALLEY
Operator : CHUCK RAMSEY
Oversight Prgm: LUST
Review Date : 11/15/01 0:00
Stop Date : / /
Work Suspended :Not reported
Responsible PartyDAVID MCCARTHY
RP Address: 2600 TEMPLE AVE.
Global Id: T0603701960
Org Name: Not reported
Contact Person: Not reported
MTBE Conc: Not reported
Mtbe Fuel: Not reported
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported

LUST Region 4:

Report Date: 08/30/1995
Lead Agency: Regional Board
Local Agency: 19060
Substance: Gasoline
Case Type: Soil
Status: Preliminary site assessment workplan submitted
Region: 4
Staff: NC

Date Case Last Changed on Database: 11/15/01
Date Leak Record Entered: 6/7/96
Historical Max MTBE Date: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil : Not reported
County: Los Angeles
Organization : Not reported
Regional Board: 4

Owner Contact: Not reported
Responsible Party: DAVID MCCARTHY
RP Address: 2600 TEMPLE AVE.
Significant Interim Remedial Action Taken: Not reported
Program : LUST
Lat / Long : 34 / -118
Local Agency Staff: Not reported
Summary : CITY OF LONG BEACH PURCHASED PIECE OF LAND. TANK
 WAS FOUND ABANDONED AFTER SALE. CITY REMOVED TANK
 AND DISCOVERED TANKLEAK.

OLD CASE #960607-01

Hydrologic Basin # : SAN FERNANDO VALLEY
Beneficial Use : Not reported
Priority : Not reported
Cleanup Fund Id : Not reported
Suspended : Not reported
Local Case No : Not reported
Substance Quantity : 0
Abatement Method Used at the Site: Excavate and Dispose
Operator : CHUCK RAMSEY

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

LONG BEACH CITY TOW YARD (Continued)

S104916177

Water System :	Not reported
Well Name :	Not reported
Approx. Dist To Production Well (ft) :	16469.94434
Assigned Name :	Not reported
Source of Cleanup Funding:	Not reported
Date the Leak was Discovered:	08/30/1995
How the Leak was Discovered:	Tank Closure
How the Leak was Stopped:	Not reported
Cause of Leak:	Corrosion
Leak Source:	Tank
Date The Leak was Stopped:	Not reported
Date Confirmation Leak Began:	8/30/95
Preliminary Site Assessment Workplan Submitted:	6/22/01
Preliminary Site Assessment Began:	Not reported
Pollution Characterization Began:	Not reported
Remediation Plan Submitted:	Not reported
Remedial Action Underway:	Not reported
Post Remedial Action Monitoring Began:	8/30/95
Date the Case was Closed:	Not reported
Enforcement Action Date:	Not reported
Date Leak First Reported:	08/30/1995
Enforcement Type:	LET
Global ID :	T0603701960
Cross Street:	SAN FRANCISCO

**A3
Target
Property**

**CITY OF LONG BEACH
0929 W ANAHEIM ST
LONG BEACH, CA**

**UST U003660158
N/A**

**Actual:
12 ft.**

Site 3 of 4 in cluster A

UST Long Beach:			
Total Tanks:	0T	Region:	LONG BEACH
Tank Test:	Not reported	Leak Test:	Not reported

**A4
Target
Property**

**CITY OF LONG BEACH TOWING OPERATIONS
901 W ANAHEIM
LONG BEACH, CA 90813**

**HAZNET S103675659
N/A**

**Actual:
12 ft.**

Site 4 of 4 in cluster A

HAZNET:

Gepaid:	CAL000036475
TSD EPA ID:	CAT080022148
Gen County:	Los Angeles
Tsd County:	San Bernardino
Tons:	.5000
Waste Category:	Other organic solids
Disposal Method:	Transfer Station
Contact:	CITY OF LONG BEACH
Telephone:	(562) 570-5400
Mailing Address:	333 W OCEAN BLVD
	LONG BEACH, CA 90802
County	Los Angeles

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

CITY OF LONG BEACH TOWING OPERATIONS (Continued)

EDR ID Number
EPA ID Number

Database(s)

S103675659

Gepaid: CAL000036475
TSD EPA ID: CAT080033681
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .4500
Waste Category: Unspecified oil-containing waste
Disposal Method: Disposal, Other
Contact: CITY OF LONG BEACH
Telephone: (562) 570-5400
Mailing Address: 333 W OCEAN BLVD
LONG BEACH, CA 90802
County Los Angeles
Gepaid: CAL000080247
TSD EPA ID: CAT000613893
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .0625
Waste Category: Aqueous solution with less than 10% total organic residues
Disposal Method: Transfer Station
Contact: CITY OF LONG BEACH
Telephone: (000) 000-0000
Mailing Address: 901 W ANAHEIM ST
LONG BEACH, CA 90813
County Los Angeles
Gepaid: CAL000036475
TSD EPA ID: CAT080033681
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .9750
Waste Category: Other organic solids
Disposal Method: Disposal, Other
Contact: CITY OF LONG BEACH
Telephone: (562) 570-5400
Mailing Address: 333 W OCEAN BLVD
LONG BEACH, CA 90802
County Los Angeles

B5
ESE
< 1/8
430 ft.

RACK FACTORY INC
729W ANAHEIM ST
LONG BEACH, CA 90813

HAZNET S102812021
N/A

Site 1 of 2 in cluster B

Relative:
Lower

HAZNET:
Gepaid: CAL000037775
TSD EPA ID: CAD008252405
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .0417
Waste Category: Unspecified solvent mixture Waste
Disposal Method: Recycler
Contact: DIERKES BARRY
Telephone: (213) 343-5329
Mailing Address: 729 W ANAHEIM ST
LONG BEACH, CA 90813 - 2819
County Los Angeles

Actual:
10 ft.

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

	Site	Database(s)	
B6 ESE < 1/8 509 ft.	0824 W ANAHEIM ST LONG BEACH, CA Site 2 of 2 in cluster B UST Long Beach: Total Tanks: 1F Tank Test: Not reported	UST	U003919747 N/A
Relative: Lower			
Actual: 10 ft.		Region: LONG BEACH Leak Test: Not reported	
C7 ENE < 1/8 546 ft.	HYDRAULIC & AUTOMATION CONTROLS INC 806 W 14TH ST LONG BEACH, CA 90813 Site 1 of 2 in cluster C HAZNET: Gepaid: CAL000224825 TSD EPA ID: Not reported Gen County: Los Angeles Tsd County: 99 Tons: 0.10 Waste Category: Other organic solids Disposal Method: Disposal, Land Fill Contact: MELODY FRIEZE Telephone: (562) 435-2266 Mailing Address: 806 W 14TH ST LONG BEACH, CA 90813 - 1404 County: Not reported	HAZNET	S106092230 N/A
C8 ENE < 1/8 563 ft.	T R OIL SERVICES LOB 801 WEST 14TH STREET LONG BEACH, CA 90813 Site 2 of 2 in cluster C RCRIS: Owner: T R OIL SERVICES INC (281) 447-7728 EPA ID: CAD981380199 Contact: DEVON BENCH (562) 436-9901 Classification: Small Quantity Generator TSDF Activities: Not reported Violation Status: No violations found FINDS: Other Pertinent Environmental Activity Identified at Site: Resource Conservation and Recovery Act Information system (RCRAINFO) State LUST: Cross Street: Not reported Qty Leaked: 0 Case Number: 908130407 Reg Board: 4	RCRIS-SQG FINDS HAZNET LUST Cortese UST CA SLIC CA FID UST HIST UST	1000243102 CAD981380199
Relative: Lower			
Actual: 11 ft.			

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

T R OIL SERVICES LOB (Continued)

EDR ID Number
EPA ID Number

Database(s)

1000243102

Chemical: Gasoline
Lead Agency: Regional Board
Local Agency : 19060
Case Type: Other ground water affected
Status: Case Closed
Review Date: Not reported
Workplan: Not reported
Pollution Char: Not reported
Remed Action: Not reported
Monitoring: Not reported
Close Date: 4/4/97 0:00
Release Date: 03/04/1989
Cleanup Fund Id : Not reported
Discover Date : 02/03/1989
Enforcement Dt : Not reported
Enf Type: Not reported
Enter Date : Not reported
Funding: Not reported
Staff Initials: Not reported
How Discovered: Tank Closure
How Stopped: Not reported
Interim : Not reported
Leak Cause: Corrosion
Leak Source: Tank
MTBE Date : Not reported
Max MTBE GW : Not reported
MTBE Tested: Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.
Priority: Not reported
Local Case # : 0
Beneficial: Not reported
Staff : UNK
GW Qualifier : Not reported
Max MTBE Soil : Not reported
Soil Qualifier : Not reported
Hydr Basin #: SAN FERNANDO VALLEY
Operator : OLD CASE #040689-02
Oversight Prgm: LUST
Review Date : 3/24/97 0:00
Stop Date : 02/03/1989
Work Suspended :Not reported
Responsible Party:TECHNICAL SERVICES COMPANY
RP Address: SAME AS SITE
Global Id: T0603701954
Org Name: Not reported
Contact Person: Not reported
MTBE Conc: Not reported
Mtbe Fuel: Not reported
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported

LUST Region 4:

Report Date: 03/04/1989
Lead Agency: Regional Board
Local Agency: 19060
Substance: Gasoline

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

T R OIL SERVICES LOB (Continued)

EDR ID Number
EPA ID Number

Database(s)

1000243102

Case Type:	Groundwater
Status:	Case Closed
Region:	4
Staff:	UNK
Date Case Last Changed on Database:	3/24/97
Date Leak Record Entered:	Not reported
Historical Max MTBE Date:	Not reported
GW Qualifier:	Not reported
Soil Qualifier:	Not reported
Hist Max MTBE Conc in Groundwater:	Not reported
Hist Max MTBE Conc in Soil :	Not reported
County:	Los Angeles
Organization :	Not reported
Regional Board:	4
Owner Contact:	Not reported
Responsible Party:	TECHNICAL SERVICES COMPANY
RP Address:	SAME AS SITE
Significant Interim Remedial Action Taken:	Not reported
Program :	LUST
Lat / Long :	34 / -118
Local Agency Staff:	Not reported
Summary :	SOIL TPH (MAX)= 29 MG/KG. G/W @ 10' DEEP.
Hydrologic Basin # :	SAN FERNANDO VALLEY
Beneficial Use :	Not reported
Priority :	Not reported
Cleanup Fund Id :	Not reported
Suspended :	Not reported
Local Case No :	Not reported
Substance Quantity :	0
Abatement Method Used at the Site:	Not reported
Operator :	OLD CASE #040689-02
Water System :	Not reported
Well Name :	Not reported
Approx. Dist To Production Well (ft) :	16037.92702
Assigned Name :	Not reported
Source of Cleanup Funding:	Not reported
Date the Leak was Discovered:	02/03/1989
How the Leak was Discovered:	Tank Closure
How the Leak was Stopped:	Not reported
Cause of Leak:	Corrosion
Leak Source:	Tank
Date The Leak was Stopped:	2/3/89
Date Confirmation Leak Began:	Not reported
Preliminary Site Assessment Workplan Submitted:	Not reported
Preliminary Site Assessment Began:	Not reported
Pollution Characterization Began:	4/6/89
Remediation Plan Submitted:	Not reported
Remedial Action Underway:	Not reported
Post Remedial Action Monitoring Began:	Not reported
Date the Case was Closed:	4/4/97
Enforcement Action Date:	Not reported
Date Leak First Reported:	03/04/1989
Enforcement Type:	Not reported
Global ID :	T0603701954
Cross Street:	Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

T R OIL SERVICES LOB (Continued)

EDR ID Number
EPA ID Number

Database(s)

1000243102

HAZNET:

Gepaid: CAD981380199
TSD EPA ID: AZD049318009
Gen County: Los Angeles
Tsd County: 99
Tons: .3127
Waste Category: Unspecified solvent mixture Waste
Disposal Method: Not reported
Contact: TECHNICAL SERVICE
Telephone: (562) 436-9901
Mailing Address: 801 W 14TH ST
LONG BEACH, CA 90813
County: Los Angeles

Gepaid: CAD981380199
TSD EPA ID: AZD049318009
Gen County: Los Angeles
Tsd County: 99
Tons: .2500
Waste Category: Other organic solids
Disposal Method: Transfer Station
Contact: TECHNICAL SERVICE
Telephone: (562) 436-9901
Mailing Address: 801 W 14TH ST
LONG BEACH, CA 90813
County: Los Angeles

Gepaid: CAD981380199
TSD EPA ID: AZD049318009
Gen County: Los Angeles
Tsd County: 99
Tons: .1625
Waste Category: Other organic solids
Disposal Method: Not reported
Contact: TECHNICAL SERVICE
Telephone: (562) 436-9901
Mailing Address: 801 W 14TH ST
LONG BEACH, CA 90813
County: Los Angeles

Gepaid: CAD981380199
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 1.2
Waste Category: Other organic solids
Disposal Method: Recycler
Contact: DEVON BENCH
Telephone: (562) 436-9901
Mailing Address: 801 WEST FOURTEENTH STREET
LONG BEACH, CA 90813
County: Not reported

CORTESE:

Region: CORTESE
Fac Address 2: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

T R OIL SERVICES LOB (Continued)

EDR ID Number
EPA ID Number

Database(s)

1000243102

FID:

Facility ID:	19056600	Regulate ID:	00003103
Reg By:	Active Underground Storage Tank Location		
Cortese Code:	Not reported	SIC Code:	Not reported
Status:	Active	Facility Tel:	(213) 436-9901
Mail To:	Not reported		
	801 W 014TH ST		
	LONG BEACH, CA 90813		
Contact:	Not reported	Contact Tel:	Not reported
DUNS No:	Not reported	NPDES No:	Not reported
Creation:	10/22/93	Modified:	00/00/00
EPA ID:	Not reported		
Comments:	Not reported		

SLIC Region 4:

Facility Status:	Site Assessment
Region:	4
SLIC	0988
Staff:	RE
Substance:	TPH/VOCs

UST HIST:

Facility ID:	3103	Owner Name:	TECHNICAL SERVICE COMPANY
Total Tanks:	5	Region:	STATE
Owner Address:	801 WEST 14TH STREET		
	LONG BEACH, CA 90813		
Tank Used for:	PRODUCT		
Tank Num:	1	Container Num:	1
Tank Capacity:	00005000	Year Installed:	1968
Type of Fuel:	UNLEADED	Tank Construction:	1/4 inches
Leak Detection:	Stock Inventor		
Contact Name:	JOHN D. WOODRUFF	Telephone:	(213) 436-9901
Facility Type:	Other	Other Type:	Not reported

Facility ID:	3103	Owner Name:	TECHNICAL SERVICE COMPANY
Total Tanks:	5	Region:	STATE
Owner Address:	801 WEST 14TH STREET		
	LONG BEACH, CA 90813		
Tank Used for:	PRODUCT		
Tank Num:	2	Container Num:	2
Tank Capacity:	00001000	Year Installed:	1978
Type of Fuel:	Not reported	Tank Construction:	1/4 inches
Leak Detection:	Stock Inventor		
Contact Name:	JOHN D. WOODRUFF	Telephone:	(213) 436-9901
Facility Type:	Other	Other Type:	Not reported

Facility ID:	3103	Owner Name:	TECHNICAL SERVICE COMPANY
Total Tanks:	5	Region:	STATE
Owner Address:	801 WEST 14TH STREET		
	LONG BEACH, CA 90813		
Tank Used for:	PRODUCT		
Tank Num:	3	Container Num:	3
Tank Capacity:	00005000	Year Installed:	1978
Type of Fuel:	UNLEADED	Tank Construction:	1/4 inches
Leak Detection:	Stock Inventor		
Contact Name:	JOHN D. WOODRUFF	Telephone:	(213) 436-9901
Facility Type:	Other	Other Type:	Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

T R OIL SERVICES LOB (Continued)

1000243102

Facility ID: 3103
Total Tanks: 5
Owner Address: 801 WEST 14TH STREET
LONG BEACH, CA 90813
Tank Used for: PRODUCT
Tank Num: 4
Tank Capacity: 00010000
Type of Fuel: UNLEADED
Leak Detection: Stock Inventor
Contact Name: JOHN D. WOODRUFF
Facility Type: Other

Owner Name: TECHNICAL SERVICE COMPANY
Region: STATE

Container Num: 4
Year Installed: 1980
Tank Construction: 1/4 inches

Telephone: (213) 436-9901
Other Type: Not reported

Facility ID: 3103
Total Tanks: 5
Owner Address: 801 WEST 14TH STREET
LONG BEACH, CA 90813
Tank Used for: WASTE
Tank Num: 5
Tank Capacity: 00001500
Type of Fuel: Not reported
Leak Detection: None
Contact Name: JOHN D. WOODRUFF
Facility Type: Other

Owner Name: TECHNICAL SERVICE COMPANY
Region: STATE

Container Num: 5
Year Installed: 1965
Tank Construction: 6 inches

Telephone: (213) 436-9901
Other Type: Not reported

UST Long Beach:
Total Tanks: 0T
Tank Test: Not reported

Region: LONG BEACH
Leak Test: Not reported

D9
South
< 1/8
566 ft.

LIZETTE CREATIONS
0950 W 12TH ST
LONG BEACH, CA

UST U003659963
N/A

Site 1 of 4 in cluster D

Relative:
Lower

UST Long Beach:
Total Tanks: 0T
Tank Test: Not reported

Region: LONG BEACH
Leak Test: Not reported

Actual:
11 ft.

D10
South
< 1/8
567 ft.

ANTHONY BRENT CORP
950 WEST 12TH ST
LONG BEACH, CA 90813

HAZNET S103950328
N/A

Site 2 of 4 in cluster D

Relative:
Lower

HAZNET:
Gepaid: CAC001406040
TSD EPA ID: CAD028409019
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .0500
Waste Category: Unspecified oil-containing waste
Disposal Method: Treatment, Tank
Contact: ANTHONY BRENT CORP
Telephone: (000) 000-0000
Mailing Address: 9665 WILSHIRE BLVD #220
BEVERLY HILLS, CA 90212
County: Los Angeles

Actual:
11 ft.

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

ANTHONY BRENT CORP (Continued)

EDR ID Number
EPA ID Number

Database(s)

S103950328

Gepaid: CAC001406040
TSD EPA ID: CAD028409019
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .3700
Waste Category: Unspecified oil-containing waste
Disposal Method: Transfer Station
Contact: ANTHONY BRENT CORP
Telephone: (000) 000-0000
Mailing Address: 9665 WILSHIRE BLVD #220
BEVERLY HILLS, CA 90212
County: Los Angeles

E11
NNE
< 1/8
575 ft.

LONG BEACH FOOD BANK
1444 SAN FRANCISCO
LONG BEACH, CA 90813

CA FID UST S101618209
N/A

Site 1 of 5 in cluster E

Relative:
Equal

FID:

Actual:
12 ft.

Facility ID:	19003077	Regulate ID:	00050642
Reg By:	Active	Underground Storage Tank Location	
Cortese Code:	Not reported	SIC Code:	Not reported
Status:	Active	Facility Tel:	(213) 435-3577
Mail To:	Not reported		
	1444 SAN FRANCISCO		
	LONG BEACH, CA 90813		
Contact:	Not reported	Contact Tel:	Not reported
DUNS No:	Not reported	NPDES No:	Not reported
Creation:	10/22/93	Modified:	00/00/00
EPA ID:	Not reported		
Comments:	Not reported		

E12
NNE
< 1/8
575 ft.

LONG BEACH FOOD BANK
1444 SAN FRANCISCO AVE
LONG BEACH, CA 90813

HIST UST U001566307
N/A

Site 2 of 5 in cluster E

Relative:
Equal

UST HIST:

Actual:
12 ft.

Facility ID:	50642	Owner Name:	LONG BEACH FOOD BANK
Total Tanks:	4	Region:	STATE
Owner Address:	1444 SAN FRANCISCO		
	LONG BEACH, CA 90813		
Tank Used for:	Not Reported		
Tank Num:	1	Container Num:	1
Tank Capacity:	00001000	Year Installed:	Not reported
Type of Fuel:	Not reported	Tank Construction:	Not Reported
Leak Detection:	Visual		
Contact Name:	Not reported	Telephone:	(213) 435-3577
Facility Type:	Other	Other Type:	NON-PROFIT FOOD DIST
Facility ID:	50642	Owner Name:	LONG BEACH FOOD BANK
Total Tanks:	4	Region:	STATE
Owner Address:	1444 SAN FRANCISCO		
	LONG BEACH, CA 90813		
Tank Used for:	Not Reported		
Tank Num:	2	Container Num:	2

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

LONG BEACH FOOD BANK (Continued)

U001566307

Tank Capacity:	00004000	Year Installed:	Not reported
Type of Fuel:	06	Tank Construction:	Not Reported
Leak Detection:	None		
Contact Name:	Not reported	Telephone:	(213) 435-3577
Facility Type:	Other	Other Type:	NON-PROFIT FOOD DIST
Facility ID:	50642	Owner Name:	LONG BEACH FOOD BANK
Total Tanks:	4	Region:	STATE
Owner Address:	1444 SAN FRANCISCO LONG BEACH, CA 90813		
Tank Used for:	WASTE		
Tank Num:	3	Container Num:	3
Tank Capacity:	00000000	Year Installed:	Not reported
Type of Fuel:	WASTE OIL	Tank Construction:	Not Reported
Leak Detection:	None		
Contact Name:	Not reported	Telephone:	(213) 435-3577
Facility Type:	Other	Other Type:	NON-PROFIT FOOD DIST
Facility ID:	50642	Owner Name:	LONG BEACH FOOD BANK
Total Tanks:	4	Region:	STATE
Owner Address:	1444 SAN FRANCISCO LONG BEACH, CA 90813		
Tank Used for:	Not Reported		
Tank Num:	4	Container Num:	4
Tank Capacity:	00005000	Year Installed:	Not reported
Type of Fuel:	Not reported	Tank Construction:	Not Reported
Leak Detection:	None		
Contact Name:	Not reported	Telephone:	(213) 435-3577
Facility Type:	Other	Other Type:	NON-PROFIT FOOD DIST

E13
NNE
< 1/8
575 ft.

THE FOOD BANK OF SOUTHERN
1444 SAN FRANCISCO
LONG BEACH, CA 90813

LUST S101296789
Cortese N/A

Site 3 of 5 in cluster E

Relative:
Equal

State LUST:
Cross Street: Not reported
Qty Leaked: 0
Case Number 908130216
Reg Board: 4
Chemical: Benzene
Lead Agency: Regional Board
Local Agency : 19060
Case Type: Other ground water affected
Status: Case Closed
Review Date: 10/8/90 0:00
Workplan: Not reported
Pollution Char: Not reported
Remed Action: Not reported
Monitoring: Not reported
Close Date: 7/22/96 0:00
Release Date: 10/08/1990
Cleanup Fund Id : Not reported
Discover Date : / /
Enforcement Dt : Not reported
Enf Type: Not reported
Enter Date : 4/22/91 0:00
Funding: Not reported

Confirm Leak: 10/8/90 0:00
Prelim Assess: Not reported
Remed Plan: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

THE FOOD BANK OF SOUTHERN (Continued)

S101296789

Staff Initials: Not reported
How Discovered: Not reported
How Stopped: Not reported
Interim : Not reported
Leak Cause: UNK
Leak Source: UNK
MTBE Date : Not reported
Max MTBE GW : Not reported
MTBE Tested: Not Required to be Tested.
Priority: Not reported
Local Case # : 0
Beneficial: Not reported
Staff : UNK
GW Qualifier : Not reported
Max MTBE Soil : Not reported
Soil Qualifier : Not reported
Hydr Basin #: SAN FERNANDO VALLEY
Operator : Not reported
Oversight Prgm: LUST
Review Date : 8/22/96 0:00
Stop Date : / /
Work Suspended :Not reported
Responsible Party:BLANK RP
RP Address: 1031 TAHACHEPE DR, LONG BEACH CA 90807 D
Global Id: T0603701935
Org Name: Not reported
Contact Person: Not reported
MTBE Conc: Not reported
Mtbe Fuel: Not reported
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported

LUST Region 4:

Report Date: 10/08/1990
Lead Agency: Regional Board
Local Agency: 19060
Substance: Benzene
Case Type: Groundwater
Status: Case Closed
Region: 4
Staff: UNK
Date Case Last Changed on Database: 8/22/96
Date Leak Record Entered: 4/22/91
Historical Max MTBE Date: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil : Not reported
County: Los Angeles
Organization : Not reported
Regional Board: 4
Owner Contact: Not reported
Responsible Party: BLANK RP
RP Address: 1031 TAHACHEPE DR, LONG BEACH CA 90807 D
Significant Interim Remedial Action Taken: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

THE FOOD BANK OF SOUTHERN (Continued)

EDR ID Number
EPA ID Number

Database(s)

S101296789

Program : LUST
Lat / Long : 34 / -118
Local Agency Staff: Not reported
Summary : 8/20/91-LETTER FROM LAWYER
Hydrologic Basin # : SAN FERNANDO VALLEY
Beneficial Use : Not reported
Priority : Not reported
Cleanup Fund Id : Not reported
Suspended : Not reported
Local Case No : Not reported
Substance Quantity : 0
Abatement Method Used at the Site: Not reported
Operator : Not reported
Water System : Not reported
Well Name : Not reported
Approx. Dist To Production Well (ft) : 16019.14756
Assigned Name : Not reported
Source of Cleanup Funding: Not reported
Date the Leak was Discovered: / /
How the Leak was Discovered: Not reported
How the Leak was Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Date The Leak was Stopped: Not reported
Date Confirmation Leak Began: 10/8/90
Preliminary Site Assessment Workplan Submitted: 4/30/93
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: Not reported
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Date the Case was Closed: 7/22/96
Enforcement Action Date: Not reported
Date Leak First Reported: 10/08/1990
Enforcement Type: Not reported
Global ID : T0603701935
Cross Street: Not reported

CORTESE:

Region: CORTESE
Fac Address 2: Not reported

E14 THE FOODBANK OF SOUTHERN CALIFORNIA
NNE 1444 SAN FRANCISCO AVE
< 1/8 LONG BEACH, CA
575 ft.

UST U003661404
N/A

Site 4 of 5 in cluster E

Relative:
Equal

UST Long Beach:
Total Tanks: 0T
Tank Test: Not reported

Region: LONG BEACH
Leak Test: Not reported

Actual:
12 ft.

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

D15
SSE
< 1/8
594 ft.

AIR PROD AND CHEM INC
901 W 12TH ST
LONG BEACH, CA 90813

RCRIS-SQG
FINDS
CERC-NFRAP
1000985044
CAR000001537

Site 3 of 4 in cluster D

Relative:
Lower

CERCLIS-NFRAP Classification Data:

Site Incident Category: Not reported

Federal Facility: Not a Federal Facility

Actual:
10 ft.

Non NPL Code: NFRAP

Ownership Status: Unknown

NPL Status: Not on the NPL

CERCLIS-NFRAP Assessment History:

Assessment: DISCOVERY

Completed: 04/01/1986

Assessment: ARCHIVE SITE

Completed: 02/01/1987

Assessment: PRELIMINARY ASSESSMENT

Completed: 02/01/1987

CERCLIS-NFRAP Alias Name(s):

AIR PRODUCTS & CHEMICALS INC

RCRIS:

Owner: AIR PROD AND CHEM INC
(610) 481-4911

EPA ID: CAR000001537

Contact: SHELLEY STUART
(310) 437-0462

Classification: Small Quantity Generator

TSDF Activities: Not reported

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:

Resource Conservation and Recovery Act Information system (RCRAINFO)

D16
SSE
< 1/8
594 ft.

AIR PRODUCTS AND CHEMICALS INCORPORATED
901 WEST 12TH ST
LONG BEACH, CA 90813

HAZNET
S103948998
N/A

Site 4 of 4 in cluster D

Relative:
Lower

HAZNET:

Gepaid: CAR000001537

TSD EPA ID: CAT000613976

Gen County: Los Angeles

Tsd County: Orange

Tons: 1.2426

Waste Category: Unspecified organic liquid mixture

Disposal Method: Transfer Station

Contact: AIR PRODUCTS AND CHEMICALS INC

Telephone: (610) 481-8867

Mailing Address: 901 W 12TH ST
LONG BEACH, CA 90813 - 2813

County: Los Angeles

Actual:
10 ft.

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

AIR PRODUCTS AND CHEMICALS INCORPORATED (Continued)

EDR ID Number
EPA ID Number

Database(s)

S103948998

Gepaid: CAR000001537
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 0.38
Waste Category:
Disposal Method: Transfer Station
Contact: GEO AGRAMONTE/SITE SUPERVISOR
Telephone: (562) 437-0462
Mailing Address: 901 W 12TH ST
LONG BEACH, CA 90813 - 2813
County: Not reported

Gepaid: CAR000001537
TSD EPA ID: CAT000613976
Gen County: Los Angeles
Tsd County: Orange
Tons: .2980
Waste Category: Unspecified organic liquid mixture
Disposal Method: Transfer Station
Contact: AIR PRODUCTS AND CHEMICALS INC
Telephone: (610) 481-8867
Mailing Address: 901 W 12TH ST
LONG BEACH, CA 90813 - 2813
County: Los Angeles

Gepaid: CAR000001537
TSD EPA ID: CAD050806850
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .4080
Waste Category:
Disposal Method: Transfer Station
Contact: AIR PRODUCTS AND CHEMICALS INC
Telephone: (610) 481-8867
Mailing Address: 901 W 12TH ST
LONG BEACH, CA 90813 - 2813
County: Los Angeles

**E17
NNE
< 1/8
607 ft.**

**SEVEN STRAND TACKLE CORP
899 W COWLES ST
LONG BEACH, CA 90813**

**RCRIS-SQG
FINDS
HAZNET**

**1000593513
CAD982446585**

Site 5 of 5 in cluster E

**Relative:
Equal**

RCRIS:
Owner: BILL BUCHANAN
(415) 555-1212
EPA ID: CAD982446585
Contact: Not reported
Classification: Small Quantity Generator
TSDF Activities: Not reported

**Actual:
12 ft.**

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

SEVEN STRAND TACKLE CORP (Continued)

EDR ID Number
EPA ID Number

Database(s)

1000593513

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system (RCRAINFO)

HAZNET:

Gepaid: CAD982446585
TSD EPA ID: CAD008302903
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .9174
Waste Category: Unspecified solvent mixture Waste
Disposal Method: Recycler
Contact: BILL BUCHANAN
Telephone: (000) 000-0000
Mailing Address: 899 W COWLES ST
LONG BEACH, CA 90813
County: Los Angeles

Gepaid: CAD982446585
TSD EPA ID: CAD008302903
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .4170
Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method: Recycler
Contact: BILL BUCHANAN
Telephone: (000) 000-0000
Mailing Address: 899 W COWLES ST
LONG BEACH, CA 90813
County: Los Angeles

Gepaid: CAD982446585
TSD EPA ID: CAD008302903
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .4795
Waste Category: Alkaline solution without metals (pH > 12.5)
Disposal Method: Transfer Station
Contact: BILL BUCHANAN
Telephone: (000) 000-0000
Mailing Address: 899 W COWLES ST
LONG BEACH, CA 90813
County: Los Angeles

Gepaid: CAD982446585
TSD EPA ID: CAD008302903
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .2919
Waste Category: Liquids with pH <UN-> 2
Disposal Method: Transfer Station
Contact: BILL BUCHANAN
Telephone: (000) 000-0000
Mailing Address: 899 W COWLES ST
LONG BEACH, CA 90813
County: Los Angeles

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

SEVEN STRAND TACKLE CORP (Continued)

EDR ID Number
EPA ID Number

Database(s)

1000593513

Gepaid: CAD982446585
TSD EPA ID: CAD008302903
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .1668
Waste Category: Off-specification, aged, or surplus organics
Disposal Method: Recycler
Contact: BILL BUCHANAN
Telephone: (000) 000-0000
Mailing Address: 899 W COWLES ST
LONG BEACH, CA 90813
County: Los Angeles

The CA HAZNET database contains 5 additional records for this site.
For more information, please click [here](#) while viewing on your computer,
or contact your EDR Account Executive.

F18 ELLIS FAMILY TRUST
ESE 718 ANAHEIM
1/8-1/4 LONG BEACH, CA 90813
725 ft.

CA SLIC S103546800
N/A

Site 1 of 6 in cluster F

Relative:
Lower

SLIC Region 4:
Facility Status: Unassigned
Region: 4
SLIC: 0551
Staff: ACJ
Substance: VOCs

Actual:
10 ft.

G19 FILE ONLY - CAL PACIFIC
SE 0790 W 12TH ST
1/8-1/4 LONG BEACH, CA
732 ft.

UST U003659962
N/A

Site 1 of 3 in cluster G

Relative:
Lower

UST Long Beach:
Total Tanks: 0T Region: LONG BEACH
Tank Test: Not reported Leak Test: Not reported

Actual:
11 ft.

G20 CALIF. GLASS DIST.
SSE 790 W 012TH ST LONG BEACH
1/8-1/4 LONG BEACH, CA 90813
737 ft.

CA FID UST S101618198
N/A

Site 2 of 3 in cluster G

Relative:
Lower

Actual:
11 ft.

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

CALIF. GLASS DIST. (Continued)

EDR ID Number
EPA ID Number

Database(s)

S101618198

FID:

Facility ID:	19056689	Regulate ID:	00046937
Reg By:	Active Underground Storage Tank Location		
Cortese Code:	Not reported	SIC Code:	Not reported
Status:	Active	Facility Tel:	(213) 437-0531
Mail To:	Not reported		
	790 W 012TH ST LONG BEACH		
	LONG BEACH, CA 90813		
Contact:	Not reported	Contact Tel:	Not reported
DUNS No:	Not reported	NPDES No:	Not reported
Creation:	10/22/93	Modified:	00/00/00
EPA ID:	Not reported		
Comments:	Not reported		

F21
ESE
1/8-1/4
741 ft.

0750 W ANAHEIM ST
LONG BEACH, CA

UST U003919745
N/A

Site 2 of 6 in cluster F

Relative:
Lower

UST Long Beach:			
Total Tanks:	2F	Region:	LONG BEACH
Tank Test:	Not reported	Leak Test:	Not reported

Actual:
11 ft.

H22
ENE
1/8-1/4
744 ft.

TOMMYS AUTO SVC & TOWING
740 W 14TH ST
LONG BEACH, CA 90813

HAZNET S103670984
N/A

Site 1 of 5 in cluster H

Relative:
Equal

HAZNET:

Gepaid:	CAL000012675
TSD EPA ID:	CAT000613893
Gen County:	Los Angeles
Tsd County:	Los Angeles
Tons:	.0625
Waste Category:	Aqueous solution with less than 10% total organic residues
Disposal Method:	Transfer Station
Contact:	TOMMY OLDHAM
Telephone:	(562) 426-7800
Mailing Address:	740 W 14TH ST LONG BEACH, CA 90813 - 1402
County	Los Angeles
Gepaid:	CAL000012675
TSD EPA ID:	CAD093459485
Gen County:	Los Angeles
Tsd County:	Fresno
Tons:	.0417
Waste Category:	Aqueous solution with less than 10% total organic residues
Disposal Method:	Treatment, Tank
Contact:	TOMMY OLDHAM
Telephone:	(562) 426-7800
Mailing Address:	740 W 14TH ST LONG BEACH, CA 90813 - 1402
County	Los Angeles

Actual:
12 ft.

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

TOMMYS AUTO SVC & TOWING (Continued)

EDR ID Number
EPA ID Number

Database(s)

S103670984

Gepaid: CAL000229870
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 0.20
Waste Category: Unspecified aqueous solution
Disposal Method: Recycler
Contact: TONY BARNES/OWNER
Telephone: (562) 426-7800
Mailing Address: 740 W 14TH ST
LONG BEACH, CA 90813 - 1402
County: Not reported

Gepaid: CAL000012675
TSD EPA ID: CAD009452657
Gen County: Los Angeles
Tsd County: San Mateo
Tons: .7089
Waste Category: Unspecified organic liquid mixture
Disposal Method: Not reported
Contact: TOMMY OLDHAM
Telephone: (562) 426-7800
Mailing Address: 740 W 14TH ST
LONG BEACH, CA 90813 - 1402
County: Los Angeles

**G23
SE
1/8-1/4
761 ft.**

**CALIF. GLASS DIST.
790 W. 12TH ST. LONG BEACH
LONG BEACH, CA 90813**

**HIST UST U001566293
N/A**

Site 3 of 3 in cluster G

**Relative:
Equal**

UST HIST:

**Actual:
12 ft.**

Facility ID: 46937
Total Tanks: 1
Owner Address: 790 W. 12TH ST. LONG BEACH
LONG BEACH, CA 90813
Tank Used for: PRODUCT
Tank Num: 1
Tank Capacity: 00009940
Type of Fuel: PREMIUM
Leak Detection: Visual, Stock Inventor
Contact Name: J. STEIN
Facility Type: Other

Owner Name: CAL-PACIFIC WINDSHIELD DBA CAL
Region: STATE

Container Num: 1
Year Installed: Not reported
Tank Construction: Not Reported

Telephone: (213) 437-0531
Other Type: GLASS DISTRIBUTOR

**H24
ENE
1/8-1/4
768 ft.**

**METROPOLITAN CHEMICAL CO
0733 W 14TH ST
LONG BEACH, CA 90813**

**HAZNET U003854649
UST N/A**

Site 2 of 5 in cluster H

**Relative:
Equal**

**Actual:
12 ft.**

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

METROPOLITAN CHEMICAL CO (Continued)

EDR ID Number
EPA ID Number

Database(s)

U003854649

HAZNET:

Gepaid: CAC002551611
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: 99
Tons: 0.20
Waste Category:
Disposal Method: Not reported
Contact: Paul Parsons
Telephone: (562) 433-3667
Mailing Address: 733 W 14th St
LONG BEACH, CA 90813
County: Not reported

Gepaid: CAC002551611
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: 99
Tons: 0.22
Waste Category: Unspecified oil-containing waste
Disposal Method: Recycler
Contact: Paul Parsons
Telephone: (562) 433-3667
Mailing Address: 733 W 14th St
LONG BEACH, CA 90813
County: Not reported

UST Long Beach:

Total Tanks: 1F
Tank Test: Not reported

Region: LONG BEACH
Leak Test: Not reported

H25
ENE
1/8-1/4
800 ft.

CONTROLS UNLIMITED INC
723 W 14TH ST
LONG BEACH, CA 90813

HAZNET **S100859383**
N/A

Site 3 of 5 in cluster H

Relative:
Higher

HAZNET:

Actual:
13 ft.

Gepaid: CAL000060961
TSD EPA ID: CAD000088252
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .2000
Waste Category: Unspecified oil-containing waste
Disposal Method: Transfer Station
Contact: KENNETH PFEIFFER
Telephone: (000) 000-0000
Mailing Address: 723 W 14TH ST
LONG BEACH, CA 90813
County: Los Angeles

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

CONTROLS UNLIMITED INC (Continued)

S100859383

Gepaid: CAL000060961
TSD EPA ID: CAT080022148
Gen County: Los Angeles
Tsd County: San Bernardino
Tons: .1500
Waste Category: Unspecified oil-containing waste
Disposal Method: Transfer Station
Contact: KENNETH PFEIFFER
Telephone: (000) 000-0000
Mailing Address: 723 W 14TH ST
LONG BEACH, CA 90813
County Los Angeles

Gepaid: CAL000060961
TSD EPA ID: CAD000088252
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 0.2
Waste Category: Unspecified oil-containing waste
Disposal Method: Transfer Station
Contact: KENNETH PFEIFFER
Telephone: (000) 000-0000
Mailing Address: 723 W 14TH ST
LONG BEACH, CA 90813
County Los Angeles

Gepaid: CAL000060961
TSD EPA ID: CAD097030993
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 0.175
Waste Category: Other organic solids
Disposal Method: Disposal, Other
Contact: KENNETH PFEIFFER
Telephone: (000) 000-0000
Mailing Address: 723 W 14TH ST
LONG BEACH, CA 90813
County Los Angeles

Gepaid: CAL000060961
TSD EPA ID: CAT080033681
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .2250
Waste Category: Other organic solids
Disposal Method: Recycler
Contact: KENNETH PFEIFFER
Telephone: (000) 000-0000
Mailing Address: 723 W 14TH ST
LONG BEACH, CA 90813
County Los Angeles

The CA HAZNET database contains 2 additional records for this site.
For more information, please [click here](#) while viewing on your computer,
or contact your EDR Account Executive.

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

F26
ESE
1/8-1/4
800 ft.

BECHLER CORP
725 W ANAHEIM ST
LONG BEACH, CA 90813

HAZNET

U003660152
N/A

Site 3 of 6 in cluster F

Relative:
Lower

HAZNET:

Actual:
10 ft.

Gepaid: CAC001364776
TSD EPA ID: CAT080013352
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 2.2935
Waste Category: Tank bottom waste
Disposal Method: Recycler
Contact: BECHLER CORP
Telephone: (562) 436-8237
Mailing Address: 725 W ANAHEIM ST
LONG BEACH, CA 90813
County: Los Angeles

Gepaid: CAC001364776
TSD EPA ID: CAT080013352
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .6255
Waste Category: Tank bottom waste
Disposal Method: Recycler
Contact: BECHLER CORP
Telephone: (562) 436-8237
Mailing Address: 725 W ANAHEIM ST
LONG BEACH, CA 90813
County: Los Angeles

F27
ESE
1/8-1/4
804 ft.

CHEVRON #209725 (2 D/W XERXES 15 & 20M)
0725 W ANAHEIM ST
LONG BEACH, CA

UST

U003854693
N/A

Site 4 of 6 in cluster F

Relative:
Lower

UST Long Beach:

Actual:
10 ft.

Total Tanks: 2T
Tank Test: Dual Walled
Region: LONG BEACH
Leak Test: Not reported

H28
ENE
1/8-1/4
820 ft.

ENVIRONMENTAL SERVS DIV
716 W 14TH ST
LONG BEACH, CA 90813

RCRIS-SQG
FINDS

1000261664
CAD069926251

Site 4 of 5 in cluster H

Relative:
Higher

Actual:
13 ft.

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

ENVIRONMENTAL SERVS DIV (Continued)

EDR ID Number
EPA ID Number

1000261664

RCRIS:

Owner: NOT REQUIRED
(415) 555-1212
EPA ID: CAD069926251
Contact: ENVIRONMENTAL MANAGER
(213) 435-4868

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: Violations exist

Regulation Violated: 262.10-12.A
Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 03/15/1985
Actual Date Achieved Compliance: 06/18/1985

There are 1 violation record(s) reported at this site:

Evaluation

Area of Violation

Date of
Compliance

FINDS:

Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system (RCRAINFO)

F29
ESE
1/8-1/4
828 ft.

NATIONWIDE EQUIP SALES AND SVC
724 W ANAHEIM ST
LONG BEACH, CA 90813

HAZNET **S103670472**
N/A

Site 5 of 6 in cluster F

Relative:
Lower

HAZNET:

Actual:
10 ft.

Gepaid: CAC002193049
TSD EPA ID: CAD028409019
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .1209
Waste Category: Laboratory waste chemicals
Disposal Method: Transfer Station
Contact: MAGIC RACING CORP
Telephone: (310) 247-7171
Mailing Address: PO BOX 10235
BEVERLY HILLS, CA 90213
County: Los Angeles
Gepaid: CAC002193049
TSD EPA ID: CAD028409019
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .2293
Waste Category: Aqueous solution with 10% or more total organic residues
Disposal Method: Transfer Station
Contact: MAGIC RACING CORP
Telephone: (310) 247-7171
Mailing Address: PO BOX 10235
BEVERLY HILLS, CA 90213
County: Los Angeles

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

NATIONWIDE EQUIP SALES AND SVC (Continued)

EDR ID Number
EPA ID Number

Database(s)

S103670472

Gepaid: CAC002193049
TSD EPA ID: CAD981696420
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 1.3761
Waste Category: Waste oil and mixed oil
Disposal Method: Transfer Station
Contact: MAGIC RACING CORP
Telephone: (310) 247-7171
Mailing Address: PO BOX 10235
BEVERLY HILLS, CA 90213
County: Los Angeles
Gepaid: CAC001060608
TSD EPA ID: CAD097030993
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .1800
Waste Category: Other inorganic solid waste
Disposal Method: Disposal, Other
Contact: NATIONWIDE EQUIP SALES AND SVC
Telephone: (000) 000-0000
Mailing Address: 724 W ANAHEIM ST
LONG BEACH, CA 90813
County: Los Angeles

I30
East
1/8-1/4
841 ft.

FORDON INDUSTRIES INC
1333 OREGON AVENUE
LONG BEACH, CA 90813

HAZNET S102810304
N/A

Site 1 of 2 in cluster I

Relative:
Lower

HAZNET:

Actual:
11 ft.

Gepaid: CAL000019068
TSD EPA ID: CAT000646117
Gen County: Los Angeles
Tsd County: Kings
Tons: .4000
Waste Category: Metal sludge - Alkaline solution (pH <UN-> 12.5) with metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc)
Disposal Method: Disposal, Land Fill
Contact: ERNEST L FORD PRESIDENT/OWNER
Telephone: (000) 000-0000
Mailing Address: 1333 OREGON AVE
LONG BEACH, CA 90813
County: Los Angeles
Gepaid: CAL000019068
TSD EPA ID: CAD008302903
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .3500
Waste Category: Metal sludge - Alkaline solution (pH <UN-> 12.5) with metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc)
Disposal Method: Transfer Station

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

FORDON INDUSTRIES INC (Continued)

EDR ID Number
EPA ID Number

Database(s)

S102810304

Contact: ERNEST L FORD PRESIDENT/OWNER
Telephone: (000) 000-0000
Mailing Address: 1333 OREGON AVE
LONG BEACH, CA 90813
County: Los Angeles
Gepaid: CAL000019068
TSD EPA ID: CAT000646117
Gen County: Los Angeles
Tsd County: Kings
Tons: .7000
Waste Category: Metal sludge - Alkaline solution (pH <UN-> 12.5) with metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc)
Disposal Method: Disposal, Land Fill
Contact: ERNEST L FORD PRESIDENT/OWNER
Telephone: (000) 000-0000
Mailing Address: 1333 OREGON AVE
LONG BEACH, CA 90813
County: Los Angeles
Gepaid: CAL000019068
TSD EPA ID: CAT000646117
Gen County: Los Angeles
Tsd County: Kings
Tons: .4000
Waste Category: Metal dust - machining waste and Alkaline solution (pH <UN-> 12.5) with metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc)
Disposal Method: Disposal, Land Fill
Contact: ERNEST L FORD PRESIDENT/OWNER
Telephone: (000) 000-0000
Mailing Address: 1333 OREGON AVE
LONG BEACH, CA 90813
County: Los Angeles
Gepaid: CAL000019068
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: Kings
Tons: 0.35
Waste Category: Metal sludge - Alkaline solution (pH <UN-> 12.5) with metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc)
Disposal Method: Disposal, Land Fill
Contact: ERNEST FORD/PRES & OWNER
Telephone: --
Mailing Address: 1333 OREGON AVE
LONG BEACH, CA 90813
County: Not reported

The CA HAZNET database contains 4 additional records for this site.
For more information, please click [here](#) while viewing on your computer,
or contact your EDR Account Executive.

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

F31
ESE
1/8-1/4
844 ft.

WEST COAST CHOPPERS
718 ANAHEIM ST W
LONG BEACH, CA 90813

LUST **S104891049**
N/A

Site 6 of 6 in cluster F

Relative:
Lower

State LUST:

Actual:
11 ft.

Cross Street: OREGON
Qty Leaked: 0
Case Number 908130252
Reg Board: 4
Chemical: Naphtha Distillate
Lead Agency: Regional Board
Local Agency : 19060
Case Type: Other ground water affected
Status: Preliminary site assessment workplan submitted
Review Date: Not reported Confirm Leak: Not reported
Workplan: Not reported Prelim Assess: Not reported
Pollution Char: Not reported Remed Plan: Not reported
Remed Action: Not reported
Monitoring: Not reported
Close Date: Not reported
Release Date: 05/15/1995
Cleanup Fund Id : Not reported
Discover Date : 03/28/1995
Enforcement Dt : 2/2/01 0:00
Enf Type: LET
Enter Date : 8/28/95 0:00
Funding: Not reported
Staff Initials: Not reported
How Discovered: Subsurface Monitoring
How Stopped: Not reported
Interim : Not reported
Leak Cause: UNK
Leak Source: UNK
MTBE Date : Not reported
Max MTBE GW : Not reported
MTBE Tested: Not Required to be Tested.
Priority: Not reported
Local Case # : 0
Beneficial: Not reported
Staff : HDN
GW Qualifier : Not reported
Max MTBE Soil : Not reported
Soil Qualifier : Not reported
Hydr Basin #: SAN FERNANDO VALLEY
Operator : FORMER ELLIS PAINT CO
Oversight Prgm: LUST
Review Date : 5/15/95 0:00
Stop Date : / /
Work Suspended :Not reported
Responsible PartyGORDON
RP Address: 1404 N. DAISY AVE.
Global Id: T0603701939
Org Name: Not reported
Contact Person: Not reported
MTBE Conc: Not reported
Mtb Fuel: Not reported
Water System Name: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

WEST COAST CHOPPERS (Continued)

S104891049

Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported

LUST Region 4:

Report Date: 05/15/1995
Lead Agency: Regional Board
Local Agency: 19060
Substance: Naphtha Distillate
Case Type: Groundwater
Status: Preliminary site assessment workplan submitted
Region: 4
Staff: HDN
Date Case Last Changed on Database: 5/15/95
Date Leak Record Entered: 8/28/95
Historical Max MTBE Date: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil : Not reported
County: Los Angeles
Organization : Not reported
Regional Board: 4
Owner Contact: Not reported
Responsible Party: GORDON
RP Address: 1404 N. DAISY AVE.
Significant Interim Remedial Action Taken: Not reported
Program : LUST
Lat / Long : 34 / -118
Local Agency Staff: Not reported
Summary : 3/6/97 - ADDITIONAL INFORMATION LETTER SENT;
5/13/97- 1ST LEVEL ENFORCEMENT LETTER SENT; 8/8/97
- 2ND LEVEL ENFORCEMENT LETTER SENT

Hydrologic Basin # : SAN FERNANDO VALLEY
Beneficial Use : Not reported
Priority : Not reported
Cleanup Fund Id : Not reported
Suspended : Not reported
Local Case No : Not reported
Substance Quantity : 0
Abatement Method Used at the Site: Not reported
Operator : FORMER ELLIS PAINT CO
Water System : Not reported
Well Name : Not reported
Approx. Dist To Production Well (ft) : 16165.19339
Assigned Name : Not reported
Source of Cleanup Funding: Not reported
Date the Leak was Discovered: 03/28/1995
How the Leak was Discovered: Subsurface Monitoring
How the Leak was Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Date The Leak was Stopped: Not reported
Date Confirmation Leak Began: Not reported
Preliminary Site Assessment Workplan Submitted: 2/1/01
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

WEST COAST CHOPPERS (Continued)

EDR ID Number
EPA ID Number

S104891049

Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Date the Case was Closed: Not reported
Enforcement Action Date: 2/2/01
Date Leak First Reported: 05/15/1995
Enforcement Type: LET
Global ID : T0603701939
Cross Street: OREGON

I32
East
1/8-1/4
854 ft.

NOVA TECHNO CORPORATION
1368 OREGON AVE
LONG BEACH, CA 90813

RCRIS-SQG

1007198916
CAD066662503

Site 2 of 2 in cluster I

Relative:
Lower

RCRIS:
Owner: NOT REQUIRED
(415) 555-1212
EPA ID: CAD066662503
Contact: LINDA NORWOOD
562-435-8080
Classification: Small Quantity Generator
TSDF Activities: Not reported
Violation Status: No violations found

Actual:
11 ft.

H33
East
1/8-1/4
856 ft.

NOVA TECHNO CORP
1368 OREGON AVE
LONG BEACH, CA 90813

HAZNET
UST
CA SLIC
CA FID UST
HIST UST

1000143314
N/A

Site 5 of 5 in cluster H

Relative:
Higher

HAZNET:
Gepaid: CAD066662503
TSD EPA ID: CAD097030993
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 3.7530
Waste Category: Liquids with chromium (VI) > 500 mg/l
Disposal Method: Treatment, Tank
Contact: NOVA TECHNO CORPORATION
Telephone: (562) 599-2497
Mailing Address: 1368 OREGON AVE
LONG BEACH, CA 90813 - 1425
County: Los Angeles
Gepaid: CAD066662503
TSD EPA ID: AZD049318009
Gen County: Los Angeles
Tsd County: 99
Tons: 1.6043
Waste Category: Other inorganic solid waste
Disposal Method: Transfer Station
Contact: NOVA TECHNO CORPORATION
Telephone: (562) 599-2497
Mailing Address: 1368 OREGON AVE

Actual:
13 ft.

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

NOVA TECHNO CORP (Continued)

1000143314

County LONG BEACH, CA 90813 - 1425
Los Angeles

Gepaid: CAD066662503
TSD EPA ID: AZD049318009
Gen County: Los Angeles
Tsd County: 99
Tons: .3250
Waste Category: Other inorganic solid waste
Disposal Method: Not reported
Contact: NOVA TECHNO CORPORATION
Telephone: (562) 599-2497
Mailing Address: 1368 OREGON AVE
LONG BEACH, CA 90813 - 1425

County Los Angeles

Gepaid: CAD066662503
TSD EPA ID: CAD050806850
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 1.0535
Waste Category: Other inorganic solid waste
Disposal Method: Transfer Station
Contact: NOVA TECHNO CORPORATION
Telephone: (562) 599-2497
Mailing Address: 1368 OREGON AVE
LONG BEACH, CA 90813 - 1425

County Los Angeles

Gepaid: CAD066662503
TSD EPA ID: CAD097030993
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 15.4290
Waste Category: Liquids with pH <UN-> 2 with metals
Disposal Method: Recycler
Contact: NOVA TECHNO CORPORATION
Telephone: (562) 599-2497
Mailing Address: 1368 OREGON AVE
LONG BEACH, CA 90813 - 1425

County Los Angeles

The CA HAZNET database contains 13 additional records for this site.
For more information, please [click here](#) while viewing on your computer,
or contact your EDR Account Executive.

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

NOVA TECHNO CORP (Continued)

EDR ID Number
EPA ID Number

Database(s)

1000143314

FID:

Facility ID:	19029718	Regulate ID:	00006617
Reg By:	Active Underground Storage Tank Location		
Cortese Code:	Not reported	SIC Code:	Not reported
Status:	Active	Facility Tel:	(213) 599-2497
Mail To:	Not reported		
	1368 OREGON AVE		
	LONG BEACH, CA 90813		
Contact:	Not reported	Contact Tel:	Not reported
DUNS No:	Not reported	NPDES No:	Not reported
Creation:	10/22/93	Modified:	00/00/00
EPA ID:	Not reported		
Comments:	Not reported		

SLIC Region 4:

Facility Status:	Closure
Region:	4
SLIC	0624
Staff:	RE
Substance:	Cr

UST HIST:

Facility ID:	6617	Owner Name:	NOVA TECHNO CORPORATION
Total Tanks:	3	Region:	STATE
Owner Address:	1368 OREGON AVE.		
	LONG BEACH, CA 90813		
Tank Used for:	PRODUCT		
Tank Num:	1	Container Num:	1
Tank Capacity:	00002000	Year Installed:	1974
Type of Fuel:	Not reported	Tank Construction:	1/4" inches
Leak Detection:	Visual		
Contact Name:	SAM P. PONZIO,	Telephone:	(213) 599-2497
Facility Type:	Other	Other Type:	CHROME PLATING
Facility ID:	6617	Owner Name:	NOVA TECHNO CORPORATION
Total Tanks:	3	Region:	STATE
Owner Address:	1368 OREGON AVE.		
	LONG BEACH, CA 90813		
Tank Used for:	PRODUCT		
Tank Num:	2	Container Num:	2
Tank Capacity:	00000800	Year Installed:	1978
Type of Fuel:	Not reported	Tank Construction:	1/4" inches
Leak Detection:	Visual		
Contact Name:	SAM P. PONZIO,	Telephone:	(213) 599-2497
Facility Type:	Other	Other Type:	CHROME PLATING
Facility ID:	6617	Owner Name:	NOVA TECHNO CORPORATION
Total Tanks:	3	Region:	STATE
Owner Address:	1368 OREGON AVE.		
	LONG BEACH, CA 90813		
Tank Used for:	WASTE		
Tank Num:	3	Container Num:	3
Tank Capacity:	00002000	Year Installed:	1972
Type of Fuel:	Not reported	Tank Construction:	6 inches
Leak Detection:	Visual		
Contact Name:	SAM P. PONZIO,	Telephone:	(213) 599-2497
Facility Type:	Other	Other Type:	CHROME PLATING

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

NOVA TECHNO CORP (Continued)

EDR ID Number
EPA ID Number

Database(s)

1000143314

UST Long Beach:

Total Tanks: 1F

Tank Test: Not reported

Region:

LONG BEACH

Leak Test:

Not reported

J34
ESE
1/8-1/4
872 ft.

VACANT
0710 W ANAHEIM ST
LONG BEACH, CA

UST U003854692
N/A

Site 1 of 6 in cluster J

Relative:
Lower

UST Long Beach:

Total Tanks: 0T

Tank Test: Not reported

Region:

LONG BEACH

Leak Test:

Not reported

Actual:
11 ft.

35
SE
1/8-1/4
893 ft.

1X KB MANAGEMENT CO
725 12TH STREET
LONG BEACH, CA 90813

HAZNET S103670523
N/A

Relative:
Higher

HAZNET:

Gepaid: CAC000965920

TSD EPA ID: CAD099452708

Gen County: Los Angeles

Tsd County: Los Angeles

Tons: .2293

Waste Category: Unspecified aqueous solution

Disposal Method: Recycler

Contact: K B MANAGEMENT CO.

Telephone: (000) 000-0000

Mailing Address: P.O. BOX 10235
BEVERLY HILLS, CA 90213

County: Los Angeles

Gepaid: CAC000965920

TSD EPA ID: CAD000088252

Gen County: Los Angeles

Tsd County: Los Angeles

Tons: .0175

Waste Category: Other organic solids

Disposal Method: Transfer Station

Contact: K B MANAGEMENT CO.

Telephone: (000) 000-0000

Mailing Address: P.O. BOX 10235
BEVERLY HILLS, CA 90213

County: Los Angeles

J36
ESE
1/8-1/4
900 ft.

AMERICAN BUFFALO INC
0702 W ANAHEIM ST
LONG BEACH, CA

UST U003660149
N/A

Site 2 of 6 in cluster J

Relative:
Lower

UST Long Beach:

Total Tanks: 0T

Tank Test: Not reported

Region:

LONG BEACH

Leak Test:

Not reported

Actual:
11 ft.

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

J37
ESE
1/8-1/4
900 ft.

ARAMARK UNIFORM SERVICES INC
702 WEST ANAHEIM STREET
LONG BEACH, CA 90813

HAZNET
CLEANERS

EDR ID Number
EPA ID Number

S103950486
N/A

Site 3 of 6 in cluster J

Relative:
Lower

CA Cleaners:

Actual:
11 ft.

Inactive Date: Not reported
EPA Id: CAL000038236
Facility Address 2 Not reported
NAICS Code : 812332
Facility Active : Yes
Mail Name : ARAMARK UNIFORM & CAREER APPAREL, I
Mailing Address: 2300 WARRENVILLE ROAD
DOWNERS GROVE, IL 60515
Owner Name : ARAMARK UNIFORM & CAREER
Mailing Address: 115 N FIRST STREET
DOWNERS GROVE, IL 60515
Owner Telephone 8189733700
Contact Name : TOM DIKOS
Mailing Address: 2300 WARRENVILLE ROAD
DOWNERS GROVE, IL 60515
Contact Telephone 6302712979
Contact Fax : Not reported
Contact Email : Not reported
Region Code : 3

HAZNET:

Gepaid: CAL000038236
TSD EPA ID: CAD008364432
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .6880
Waste Category: Aqueous solution with 10% or more total organic residues
Disposal Method: Treatment, Tank
Contact: ARAMARK UNIFORM SERVICES INC
Telephone: (818) 973-3700
Mailing Address: 1827 WALDEN OFFICE SQ STE 200
SCHAUMBURG, IL 60173 - 4275
County Los Angeles
Gepaid: CAL000038236
TSD EPA ID: CAD008364432
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .7297
Waste Category: Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.)
Disposal Method: Treatment, Tank
Contact: ARAMARK UNIFORM SERVICES INC
Telephone: (818) 973-3700
Mailing Address: 1827 WALDEN OFFICE SQ STE 200
SCHAUMBURG, IL 60173 - 4275
County Los Angeles

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

J38
ESE
1/8-1/4
900 ft.

ARATEX SERVICES INC
1405 E 58TH PL
LONG BEACH, CA 90813

LUST
Cortese
LOS ANGELES CO. HMS

S102057754
N/A

Relative:
Lower

Site 4 of 6 in cluster J

Actual:
11 ft.

State LUST:

Cross Street: Not reported
Qty Leaked: 0
Case Number: 9UT2546
Reg Board: 9
Chemical: Regular Gasoline
Lead Agency: Local Agency
Local Agency : 37000L
Case Type: Soil only
Status: Case Closed
Review Date: Not reported
Workplan: 2/10/87 0:00
Pollution Char: Not reported
Remed Action: 9/6/89 0:00
Monitoring: Not reported
Close Date: 8/19/91 0:00
Release Date: Not reported
Cleanup Fund Id : Not reported
Discover Date : 02/10/1987
Enforcement Dt : Not reported
Enf Type: Not reported
Enter Date : Not reported
Funding: Not reported
Staff Initials: NAL
How Discovered: Not reported
How Stopped: Not reported
Interim : Not reported
Leak Cause: Not reported
Leak Source: Not reported
MTBE Date : Not reported
Max MTBE GW : Not reported
MTBE Tested: Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.
Priority: Low priority. Priority ranking can change over time.
Local Case # : 0
Beneficial: Not reported
Staff : UNK
GW Qualifier : Not reported
Max MTBE Soil : Not reported
Soil Qualifier : Not reported
Hydr Basin #: SWEETWATER VALLEY (9
Operator : Not reported
Oversight Prgm: LUST
Review Date : Not reported
Stop Date : / /
Work Suspended :Not reported
Responsible Party:Not reported
RP Address: Not reported
Global Id: T0607301291
Org Name: Not reported
Contact Person: Not reported
MTBE Conc: Not reported
Mtbe Fuel: Not reported
Water System Name: Not reported

Confirm Leak: Not reported
Prelim Assess: 2/10/87 0:00
Remed Plan: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

ARATEX SERVICES INC (Continued)

S102057754

Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported

Cross Street: OREGON
Qty Leaked: 0
Case Number: 908130161
Reg Board: 4
Chemical: Solvents
Lead Agency: Regional Board
Local Agency : 19060
Case Type: Other ground water affected
Status: Remedial action (cleanup) Underway
Abate Method: Pump and Treat Ground Water - generally employed to remove dissolved
contaminants

Review Date: Not reported
Workplan: Not reported
Pollution Char: Not reported
Remed Action: 3/1/98 0:00
Monitoring: Not reported
Close Date: Not reported
Release Date: 01/19/1988
Cleanup Fund Id : Not reported
Discover Date : / /
Enforcement Dt : Not reported
Enf Type: Not reported
Enter Date : 3/10/88 0:00
Funding: Not reported
Staff Initials: Not reported
How Discovered: Not reported
How Stopped: Not reported
Interim : Yes
Leak Cause: Not reported
Leak Source: Not reported
MTBE Date : Not reported
Max MTBE GW : Not reported
MTBE Tested: Not Required to be Tested.
Priority: 3A
Local Case # : 0
Beneficial: Not reported
Staff : SLC
GW Qualifier : Not reported
Max MTBE Soil : Not reported
Soil Qualifier : Not reported
Hydr Basin #: SAN FERNANDO VALLEY
Operator : Not reported
Oversight Prgm: Spills, Leaks, Investigations and Cleanup UST
Review Date : 3/1/98 0:00
Stop Date : / /
Work Suspended :Not reported
Responsible Party:ARATEX SERVICES, INC.
RP Address: 1834 WALDEN OFFICE SQ. SUITE 450, SCHAUMBURG, IL 60173
Global Id: T0603701930
Org Name: Not reported
Contact Person: Not reported
MTBE Conc: Not reported

Confirm Leak: Not reported
Prelim Assess: Not reported
Remed Plan: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)

EDR ID Number
EPA ID Number

ARATEX SERVICES INC (Continued)

S102057754

Mtbe Fuel: Not reported
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported

LUST Region 4:

Report Date: 01/19/1988
Lead Agency: Regional Board
Local Agency: 19060
Substance: Solvents
Case Type: Groundwater
Status: Remedial action (cleanup) Underway
Region: 4
Staff: SLC

Date Case Last Changed on Database: 3/1/98
Date Leak Record Entered: 3/10/88
Historical Max MTBE Date: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil : Not reported
County: Los Angeles
Organization : Not reported
Regional Board: 4

Owner Contact: Not reported

Responsible Party:

RP Address:

Significant Interim Remedial Action Taken:

Program :

Lat / Long :

Local Agency Staff:

Summary :

ARATEX SERVICES, INC.

1834 WALDEN OFFICE SQ. SUITE 450, SCHAUMBURG, IL 60173

Yes

SLIC

34 / -118

Not reported

CONSULTANT:DEPAUL AND ASSOCIATES,
INC.(312)397-9500,WILLIAM WITHROW
SOLVENT CASE

PER DAB

SAN FERNANDO VALLEY

Hydrologic Basin # :

Beneficial Use :

Priority :

Cleanup Fund Id :

Suspended :

Local Case No :

Substance Quantity :

Abatement Method Used at the Site:

Operator :

Water System :

Well Name :

Approx. Dist To Production Well (ft) :

Assigned Name :

Source of Cleanup Funding:

Date the Leak was Discovered:

How the Leak was Discovered:

How the Leak was Stopped:

Cause of Leak:

Leak Source:

Date The Leak was Stopped:

Date Confirmation Leak Began:

Not reported

3A

Not reported

Not reported

Not reported

0

Pump and Treat Groundwater

Not reported

Not reported

Not reported

16188.11118

Not reported

Not reported

/ /

Not reported

Not reported

Not reported

Not reported

Not reported

Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

ARATEX SERVICES INC (Continued)

EDR ID Number
EPA ID Number

Database(s)

S102057754

Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: 3/18/88
Remediation Plan Submitted: Not reported
Remedial Action Underway: 3/1/98
Post Remedial Action Monitoring Began: Not reported
Date the Case was Closed: Not reported
Enforcement Action Date: Not reported
Date Leak First Reported: 01/19/1988
Enforcement Type: Not reported
Global ID : T0603701930
Cross Street: OREGON

CORTESE:

Region: CORTESE
Fac Address 2: 702 ANAHEIM ST W

HMS:

Facility Id: 005146-005344
Area: 29
Facility Type: Not reported
Permit Number: 174 Permit Status: Not reported
Facility Status: Removed
Region: Los Angeles County:

39
ENE
1/8-1/4
923 ft.

CARAVAN MANUFACTURING CO INC
1424 OREGON AVE
LONG BEACH, CA

UST U003661147
N/A

Relative:
Higher

UST Long Beach:
Total Tanks: 0T Region: LONG BEACH
Tank Test: Not reported Leak Test: Not reported

Actual:
15 ft.

J40
ESE
1/8-1/4
955 ft.

STRIKE TECHNOLOGY INC DBA WILORCO
729 W ANAHEIM ST UNIT A
LONG BEACH, CA 90813

HAZNET S105725473
N/A

Relative:
Lower

Site 5 of 6 in cluster J

HAZNET:
Gepaid: CAL000223005
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: 99
Tons: 0.22
Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method: Treatment, Incineration
Contact: LEE PALMER OPERATIONS MANAGER
Telephone: (562) 437-3428
Mailing Address: 729 W ANAHEIM ST UNIT A
LONG BEACH, CA 90813
County: Not reported

Actual:
11 ft.

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

STRIKE TECHNOLOGY INC DBA WILORCO (Continued)

EDR ID Number
EPA ID Number

Database(s)

S105725473

Gepaid: CAL000223005
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: 99
Tons: 0.5
Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method: Recycler
Contact: LEE PALMER OPERATIONS MANAGER
Telephone: (562) 437-3428
Mailing Address: 729 W ANAHEIM ST UNIT A
LONG BEACH, CA 90813
County: Not reported

**J41
ESE
1/8-1/4
955 ft.**

**DOUGLAS ROBINSON PROPERTY
718 ANAHEIM
LONG BEACH, CA 90806**

**Cortese S102590610
N/A**

Site 6 of 6 in cluster J

**Relative:
Lower**

CORTESE:
Region: CORTESE
Fac Address 2: Not reported

**Actual:
11 ft.**

**42
ESE
1/8-1/4
980 ft.**

**ELLIS PAINT CO
1200 OREGON AVE
LONG BEACH, CA 90813**

**RCRIS-SQG 1000455513
FINDS CAD982495038
HAZNET**

**Relative:
Equal**

RCRIS:
Owner: ROBERT O BERG
(415) 555-1212
EPA ID: CAD982495038
Contact: ENVIRONMENTAL MANAGER
(213) 486-8225

**Actual:
12 ft.**

Classification: Small Quantity Generator
TSDF Activities: Not reported
Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system (RCRAINFO)

HAZNET:

Gepaid: CAD982495038
TSD EPA ID: CAD008252405
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .0200
Waste Category: Paint sludge
Disposal Method: Treatment, Incineration
Contact: ELLIS PAINT CO
Telephone: (213) 261-8114
Mailing Address: 1200 OREGON AVE
LONG BEACH, CA 90813 - 2827
County: Los Angeles

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

ELLIS PAINT CO (Continued)

EDR ID Number
EPA ID Number

Database(s)

1000455513

Gepaid: CAD982495038
TSD EPA ID: CAD008252405
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .0625
Waste Category: Aqueous solution with 10% or more total organic residues
Disposal Method: Recycler
Contact: ELLIS PAINT CO
Telephone: (213) 261-8114
Mailing Address: 1200 OREGON AVE
LONG BEACH, CA 90813 - 2827
County Los Angeles

Gepaid: CAD982495038
TSD EPA ID: CAD008252405
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .4150
Waste Category: Other organic solids
Disposal Method: Treatment, Incineration
Contact: ELLIS PAINT CO
Telephone: (213) 261-8114
Mailing Address: 1200 OREGON AVE
LONG BEACH, CA 90813 - 2827
County Los Angeles

Gepaid: CAD982495038
TSD EPA ID: CAD008252405
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .9424
Waste Category: Unspecified organic liquid mixture
Disposal Method: Recycler
Contact: ELLIS PAINT CO
Telephone: (213) 261-8114
Mailing Address: 1200 OREGON AVE
LONG BEACH, CA 90813 - 2827
County Los Angeles

Gepaid: CAD982495038
TSD EPA ID: CAD008252405
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .2500
Waste Category: Other organic solids
Disposal Method: Treatment, Incineration
Contact: ELLIS PAINT CO
Telephone: (213) 261-8114
Mailing Address: 1200 OREGON AVE
LONG BEACH, CA 90813 - 2827
County Los Angeles

The CA HAZNET database contains 18 additional records for this site.
For more information, please [click here](#) while viewing on your computer,
or contact your EDR Account Executive.

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

	Site	Database(s)	EDR ID Number EPA ID Number
K43 NE 1/8-1/4 1015 ft.	HENDERSON & COMPANY 0703 W COWLES ST LONG BEACH, CA Site 1 of 2 in cluster K UST Long Beach: Total Tanks: 1T Tank Test: Not reported	UST	U003660594 N/A
Relative: Higher	Region: LONG BEACH Leak Test: Not reported		
Actual: 15 ft.			
K44 NE 1/8-1/4 1019 ft.	1451 OREGON AVE LONG BEACH, CA Site 2 of 2 in cluster K UST Long Beach: Total Tanks: 0F Tank Test: Not reported	UST	U003920173 N/A
Relative: Higher	Region: LONG BEACH Leak Test: Not reported		
Actual: 15 ft.			
L45 NNE 1/8-1/4 1072 ft.	BKK CORPORATION 800 W 015TH ST LONG BEACH, CA 90813 Site 1 of 4 in cluster L FID: Facility ID: 19056630 Reg By: Active Underground Storage Tank Location Cortese Code: Not reported Status: Active Mail To: Not reported 2550 237TH ST LONG BEACH, CA 90813 Contact: Not reported DUNS No: Not reported Creation: 10/22/93 EPA ID: Not reported Comments: Not reported	CA FID UST	S101629836 N/A
Relative: Higher	Regulate ID: 00016806 SIC Code: Not reported Facility Tel: (213) 432-8461 Contact Tel: Not reported NPDES No: Not reported Modified: 00/00/00		
Actual: 15 ft.			
L46 NNE 1/8-1/4 1072 ft.	IT CORP-ROUTH TRANSPORT & TRANSFER FAC 800 15TH ST LONG BEACH, CA 90813 Site 2 of 4 in cluster L RCRIS: Owner: ROUTH TRANSPORTATION CORPORATION (213) 435-4823 EPA ID: CAD041156464 Contact: ENVIRONMENTAL MANAGER (213) 830-1781 Classification: Small Quantity Generator TSDF Activities: Not reported	RCRIS-SQG FINDS	1000180416 CAD041156464

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

IT CORP-ROUTH TRANSPORT & TRANSFER FAC (Continued)

EDR ID Number
EPA ID Number

1000180416

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system (RCRAINFO)

L47
NNE
1/8-1/4
1079 ft.

BKK CORP
0800 W 15TH ST
LONG BEACH, CA 90813

LUST
Cortese
UST
HIST UST

U001566289
N/A

Site 3 of 4 in cluster L

Relative:
Higher

State LUST:

Actual:
15 ft.

Cross Street: SAN FRANCISCO AVE
Qty Leaked: 0
Case Number: 908130570
Reg Board: 4
Chemical: Waste Oil
Lead Agency: Local Agency
Local Agency : 19060
Case Type: Soil only
Status: Case Closed
Review Date: Not reported
Workplan: Not reported
Pollution Char: Not reported
Remed Action: Not reported
Monitoring: Not reported
Close Date: 12/2/86 0:00
Release Date: 09/15/1986
Cleanup Fund Id : Not reported
Discover Date : / /
Enforcement Dt : Not reported
Enf Type: Not reported
Enter Date : 8/5/87 0:00
Funding: Not reported
Staff Initials: Not reported
How Discovered: Not reported
How Stopped: Not reported
Interim : Not reported
Leak Cause: UNK
Leak Source: UNK
MTBE Date : Not reported
Max MTBE GW : Not reported
MTBE Tested: Not Required to be Tested.
Priority: Not reported
Local Case # : 0
Beneficial: Not reported
Staff : UNK
GW Qualifier : Not reported
Max MTBE Soil : Not reported
Soil Qualifier : Not reported
Hydr Basin #: SAN FERNANDO VALLEY
Operator : Not reported
Oversight Prgm: LUST
Review Date : 9/15/86 0:00
Stop Date : / /
Work Suspended :Not reported
Responsible PartyBKK CORPORATION

Confirm Leak: Not reported
Prelim Assess: Not reported
Remed Plan: Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s)
 EDR ID Number
 EPA ID Number

BKK CORP (Continued)

U001566289

RP Address: 2550 237TH ST, TORRANCE, CA 90505
 Global Id: T0603701968
 Org Name: Not reported
 Contact Person: Not reported
 MTBE Conc: Not reported
 Mtbe Fuel: Not reported
 Water System Name: Not reported
 Well Name: Not reported
 Distance To Lust: 0
 Waste Discharge Global ID: Not reported
 Waste Disch Assigned Name: Not reported

LUST Region 4:

Report Date: 09/15/1986
 Lead Agency: Local Agency
 Local Agency: 19060
 Substance: Waste Oil
 Case Type: Soil
 Status: Case Closed
 Region: 4
 Staff: UNK
 Date Case Last Changed on Database: 9/15/86
 Date Leak Record Entered: 8/5/87
 Historical Max MTBE Date: Not reported
 GW Qualifier: Not reported
 Soil Qualifier: Not reported
 Hist Max MTBE Conc in Groundwater: Not reported
 Hist Max MTBE Conc in Soil : Not reported
 County: Los Angeles
 Organization : Not reported
 Regional Board: 4
 Owner Contact: Not reported
 Responsible Party: BKK CORPORATION
 RP Address: 2550 237TH ST, TORRANCE, CA 90505
 Significant Interim Remedial Action Taken: Not reported
 Program : LUST
 Lat / Long : 34 / -118
 Local Agency Staff: Not reported
 Summary : Not reported
 Hydrologic Basin # : SAN FERNANDO VALLEY
 Beneficial Use : Not reported
 Priority : Not reported
 Cleanup Fund Id : Not reported
 Suspended : Not reported
 Local Case No : Not reported
 Substance Quantity : 0
 Abatement Method Used at the Site: Not reported
 Operator : Not reported
 Water System : Not reported
 Well Name : Not reported
 Approx. Dist To Production Well (ft) : 15576.76914
 Assigned Name : Not reported
 Source of Cleanup Funding: Not reported
 Date the Leak was Discovered: / /
 How the Leak was Discovered: Not reported
 How the Leak was Stopped: Not reported
 Cause of Leak: UNK
 Leak Source: UNK

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

BKK CORP (Continued)

EDR ID Number
EPA ID Number

Database(s)

U001566289

Date The Leak was Stopped: Not reported
Date Confirmation Leak Began: Not reported
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: Not reported
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Date the Case was Closed: 12/2/86
Enforcement Action Date: Not reported
Date Leak First Reported: 09/15/1986
Enforcement Type: Not reported
Global ID : T0603701968
Cross Street: SAN FRANCISCO AVE

CORTESE:

Region: CORTESE
Fac Address 2: 800 015TH ST W

UST HIST:

Facility ID: 16806
Total Tanks: 4
Owner Address: 2550 237TH STREET
TORRANCE, CA 90505
Tank Used for: PRODUCT
Tank Num: 1
Tank Capacity: 00010000
Type of Fuel: DIESEL
Leak Detection: Stock Inventor, None
Contact Name: JOHN LAMBIE
Facility Type: Other

Owner Name: BKK CORPORATION
Region: STATE

Container Num: LOI
Year Installed: Not reported
Tank Construction: Not Reported

Telephone: (213) 432-8461
Other Type: TRUCK TERMINAL

Facility ID: 16806
Total Tanks: 4
Owner Address: 2550 237TH STREET
TORRANCE, CA 90505
Tank Used for: PRODUCT
Tank Num: 2
Tank Capacity: 00007500
Type of Fuel: DIESEL
Leak Detection: Stock Inventor, None
Contact Name: JOHN LAMBIE
Facility Type: Other

Owner Name: BKK CORPORATION
Region: STATE

Container Num: LO2
Year Installed: Not reported
Tank Construction: Not Reported

Telephone: (213) 432-8461
Other Type: TRUCK TERMINAL

Facility ID: 16806
Total Tanks: 4
Owner Address: 2550 237TH STREET
TORRANCE, CA 90505
Tank Used for: WASTE
Tank Num: 3
Tank Capacity: 00000000
Type of Fuel: WASTE OIL
Leak Detection: None
Contact Name: JOHN LAMBIE
Facility Type: Other

Owner Name: BKK CORPORATION
Region: STATE

Container Num: LO3
Year Installed: Not reported
Tank Construction: Not Reported

Telephone: (213) 432-8461
Other Type: TRUCK TERMINAL

Facility ID: 16806
Total Tanks: 4

Owner Name: BKK CORPORATION
Region: STATE

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

BKK CORP (Continued)

EDR ID Number
EPA ID Number

U001566289

Owner Address: 2550 237TH STREET
TORRANCE, CA 90505

Tank Used for: WASTE
Tank Num: 4
Tank Capacity: 00000000
Type of Fuel: WASTE OIL
Leak Detection: None
Contact Name: JOHN LAMBIE
Facility Type: Other

Container Num: LO4
Year Installed: Not reported
Tank Construction: Not Reported

Telephone: (213) 432-8461
Other Type: TRUCK TERMINAL

UST Long Beach:
Total Tanks: 0T
Tank Test: Not reported

Region: LONG BEACH
Leak Test: Not reported

L48
NNE
1/8-1/4
1079 ft.

CHANCELLOR & OGDEN
800 W 15TH ST
LONG BEACH, CA 90813

RCRIS-SQG
FINDS

1000308113
CAD980880538

Relative:
Higher

Actual:
15 ft.

Site 4 of 4 in cluster L

RCRIS:
Owner: BKK CORPORATION
(415) 555-1212
EPA ID: CAD980880538
Contact: ENVIRONMENTAL MANAGER
(213) 539-7150
Classification: Small Quantity Generator
TSDF Activities: Not reported
Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system (RCRAINFO)

49
ESE
1/8-1/4
1136 ft.

ARATEX SERVICES
702 ANAHEIM
LONG BEACH, CA 90813

CA SLIC
S103546802
N/A

Relative:
Higher

Actual:
13 ft.

SLIC Region 4:
Facility Status: Remediation
Region: 4
SLIC: 0678
Staff: Jenny Au
Substance: VOCs

M50
ENE
1/8-1/4
1152 ft.

AIR CARGO (NOT PREVIOUSLY ON TANK LIST)
0665 W COWLES ST #3
LONG BEACH, CA

UST
U003660593
N/A

Relative:
Higher

Actual:
13 ft.

Site 1 of 4 in cluster M

UST Long Beach:
Total Tanks: 0T
Tank Test: Not reported

Region: LONG BEACH
Leak Test: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

M51
ENE
1/8-1/4
1207 ft.

DOUGLAS PRODUCE
650 W COWLES
LONG BEACH, CA 90813

HAZNET

S103668198
N/A

Site 2 of 4 in cluster M

Relative:
Higher

HAZNET:

Actual:
13 ft.

Gepaid: CAL000130079
TSD EPA ID: CAD028409019
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .8340
Waste Category: Aqueous solution with less than 10% total organic residues
Disposal Method: Treatment, Tank
Contact: DOUGLAS PRODUCE
Telephone: (000) 000-0000
Mailing Address: 650 W COWLES ST
LONG BEACH, CA 90813
County: Los Angeles

Gepaid: CAL000130079
TSD EPA ID: CAD044429835
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .6880
Waste Category: Waste oil and mixed oil
Disposal Method: Not reported
Contact: DOUGLAS PRODUCE
Telephone: (000) 000-0000
Mailing Address: 650 W COWLES ST
LONG BEACH, CA 90813
County: Los Angeles

Gepaid: CAL000130079
TSD EPA ID: CAD044429835
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .6880
Waste Category: Waste oil and mixed oil
Disposal Method: Recycler
Contact: DOUGLAS PRODUCE
Telephone: (000) 000-0000
Mailing Address: 650 W COWLES ST
LONG BEACH, CA 90813
County: Los Angeles

M52
ENE
1/8-1/4
1214 ft.

DOUGLAS PRODUCE
648 COWLES ST
LONG BEACH, CA 90813

HAZNET
LUST
Cortese

S101296709
N/A

Site 3 of 4 in cluster M

Relative:
Higher

State LUST:

Actual:
13 ft.

Cross Street: ATLANTIC
Qty Leaked: 0
Case Number: 908130325
Reg Board: 4
Chemical: Gasoline
Lead Agency: Regional Board
Local Agency: 19060
Case Type: Other ground water affected
Status: Pollution Characterization

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

DOUGLAS PRODUCE (Continued)

S101296709

Review Date:	Not reported	Confirm Leak:	Not reported
Workplan:	5/8/98 0:00	Prelim Assess:	5/8/98 0:00
Pollution Char:	Not reported	Remed Plan:	Not reported
Remed Action:	Not reported		
Monitoring:	2/13/87 0:00		
Close Date:	Not reported		
Release Date:	02/13/1987		
Cleanup Fund Id :	Not reported		
Discover Date :	02/13/1987		
Enforcement Dt :	8/10/00 0:00		
Enf Type:	LET		
Enter Date :	6/16/88 0:00		
Funding:	Not reported		
Staff Initials:	Not reported		
How Discovered:	Not reported		
How Stopped:	Not reported		
Interim :	Not reported		
Leak Cause:	Not reported		
Leak Source:	Not reported		
MTBE Date :	Not reported		
Max MTBE GW :	Not reported		
MTBE Tested:	MTBE Detected. Site tested for MTBE & MTBE detected		
Priority:	Not reported		
Local Case # :	0		
Beneficial:	Not reported		
Staff :	HDN		
GW Qualifier :	Not reported		
Max MTBE Soil :	39 Parts per Million		
Soil Qualifier :	Not reported		
Hydr Basin #:	SAN FERNANDO VALLEY		
Operator :	Not reported		
Oversight Prgm:	LUST		
Review Date :	5/4/99 0:00		
Stop Date :	/ /		
Work Suspended :	Not reported		
Responsible Party:	PETE DOUGLAS		
RP Address:	648 COWLES ST,		
Global Id:	T0603701946		
Org Name:	Not reported		
Contact Person:	Not reported		
MTBE Conc:	Not reported		
Mtbe Fuel:	Not reported		
Water System Name:	Not reported		
Well Name:	Not reported		
Distance To Lust:	0		
Waste Discharge Global ID:	Not reported		
Waste Disch Assigned Name:	Not reported		

LUST Region 4:

Report Date:	02/13/1987
Lead Agency:	Regional Board
Local Agency:	19060
Substance:	Gasoline
Case Type:	Groundwater
Status:	Pollution Characterization
Region:	4
Staff:	HDN
Date Case Last Changed on Database:	5/4/99

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

DOUGLAS PRODUCE (Continued)

EDR ID Number
EPA ID Number

Database(s)

S101296709

Date Leak Record Entered:	6/16/88
Historical Max MTBE Date:	Not reported
GW Qualifier:	Not reported
Soil Qualifier:	Not reported
Hist Max MTBE Conc in Groundwater:	Not reported
Hist Max MTBE Conc in Soil :	39
County:	Los Angeles
Organization :	Not reported
Regional Board:	4
Owner Contact:	Not reported
Responsible Party:	PETE DOUGLAS
RP Address:	648 COWLES ST,
Significant Interim Remedial Action Taken:	Not reported
Program :	LUST
Lat / Long :	34 / -118
Local Agency Staff:	Not reported
Summary :	12/23/97- UST CLOSURE REPORT (FREE PRODUCT SITE) 01/30/98- ENVIRON. SITE ASSESSMENT & GW WELL INSTALL. WP 02/13/98- REVISED SITE ASSESSMENT & GW WELL INSTALL. WP 05/06/98- ENVIRON. SITE ASSESSMENT & GW WELL SAN FERNANDO VALLEY
Hydrologic Basin # :	
Beneficial Use :	Not reported
Priority :	Not reported
Cleanup Fund Id :	Not reported
Suspended :	Not reported
Local Case No :	Not reported
Substance Quantity :	0
Abatement Method Used at the Site:	Not reported
Operator :	Not reported
Water System :	Not reported
Well Name :	Not reported
Approx. Dist To Production Well (ft) :	15430.67466
Assigned Name :	Not reported
Source of Cleanup Funding:	Not reported
Date the Leak was Discovered:	02/13/1987
How the Leak was Discovered:	Not reported
How the Leak was Stopped:	Not reported
Cause of Leak:	Not reported
Leak Source:	Not reported
Date The Leak was Stopped:	Not reported
Date Confirmation Leak Began:	Not reported
Preliminary Site Assessment Workplan Submitted:	7/2/97
Preliminary Site Assessment Began:	5/8/98
Pollution Characterization Began:	8/10/00
Remediation Plan Submitted:	Not reported
Remedial Action Underway:	Not reported
Post Remedial Action Monitoring Began:	2/13/87
Date the Case was Closed:	Not reported
Enforcement Action Date:	8/10/00
Date Leak First Reported:	02/13/1987
Enforcement Type:	LET
Global ID :	T0603701946
Cross Street:	ATLANTIC

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

DOUGLAS PRODUCE (Continued)

EDR ID Number
EPA ID Number

Database(s)

S101296709

HAZNET:

Gepaid: CAC002102192
TSD EPA ID: CAD028409019
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .1042
Waste Category: Aqueous solution with 10% or more total organic residues
Disposal Method: Treatment, Tank
Contact: DOUGLAS PRODUCE
Telephone: (000) 000-0000
Mailing Address: 648 COWLES ST
LONG BEACH, CA 90813
County: Los Angeles

CORTESE:

Region: CORTESE
Fac Address 2: 648 COWLES ST

**M53
ENE
1/8-1/4
1214 ft.**

**DOUGLAS BROS PRODUCE CO
0648 W COWLES ST
LONG BEACH, CA 94558**

**Cortese U003660592
UST N/A**

Site 4 of 4 in cluster M

**Relative:
Higher**

CORTESE:
Region: CORTESE
Fac Address 2: Not reported

**Actual:
13 ft.**

UST Long Beach:
Total Tanks: 0T
Tank Test: Not reported
Region: LONG BEACH
Leak Test: Not reported

**N54
NE
1/8-1/4
1216 ft.**

**MESA ENVIRONMENTAL SVCS INC
721 W 15TH ST
LONG BEACH, CA 90813**

**RCRIS-SQG 1000904945
FINDS CA0000206599**

Site 1 of 4 in cluster N

**Relative:
Higher**

RCRIS:
Owner: JOE M ORTEGA
(310) 901-3470
EPA ID: CA0000206599
Contact: ANGELA BUTLER
(562) 901-3470
Classification: Small Quantity Generator
TSDF Activities: Not reported
Violation Status: No violations found

**Actual:
13 ft.**

FINDS:

Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system (RCRAINFO)

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

	Site	Database(s)	EDR ID Number EPA ID Number
N55	MESA ENVIRONMENTAL SERVICES	HAZNET	S103670383
NE	721 W 15TH		N/A
1/8-1/4	LONG BEACH, CA 90813		
1216 ft.			
Relative:	Site 2 of 4 in cluster N		
Higher	HAZNET:		
	Gepaid: CAL000100824		
Actual:	TSD EPA ID: CAD028409019		
13 ft.	Gen County: Los Angeles		
	Tsd County: Los Angeles		
	Tons: 1.6040		
	Waste Category: Tank bottom waste		
	Disposal Method: Transfer Station		
	Contact: MESA ENVIRONMENTAL SERVICES		
	Telephone: (562) 901-3470		
	Mailing Address: PO BOX 9128		
	LONG BEACH, CA 90810 - 0128		
	County Los Angeles		
	Gepaid: CAL000100824		
	TSD EPA ID: CAD028409019		
	Gen County: Los Angeles		
	Tsd County: Los Angeles		
	Tons: .6500		
	Waste Category: Unspecified oil-containing waste		
	Disposal Method: Transfer Station		
	Contact: MESA ENVIRONMENTAL SERVICES		
	Telephone: (562) 901-3470		
	Mailing Address: PO BOX 9128		
	LONG BEACH, CA 90810 - 0128		
	County Los Angeles		
	Gepaid: CAL000100824		
	TSD EPA ID: CAD028409019		
	Gen County: Los Angeles		
	Tsd County: Los Angeles		
	Tons: .3000		
	Waste Category: Other empty containers 30 gallons or more		
	Disposal Method: Transfer Station		
	Contact: MESA ENVIRONMENTAL SERVICES		
	Telephone: (562) 901-3470		
	Mailing Address: PO BOX 9128		
	LONG BEACH, CA 90810 - 0128		
	County Los Angeles		
	Gepaid: CAL000100824		
	TSD EPA ID: CAD028409019		
	Gen County: Los Angeles		
	Tsd County: Los Angeles		
	Tons: .1000		
	Waste Category: Other organic solids		
	Disposal Method: Transfer Station		
	Contact: MESA ENVIRONMENTAL SERVICES		
	Telephone: (562) 901-3470		
	Mailing Address: PO BOX 9128		
	LONG BEACH, CA 90810 - 0128		
	County Los Angeles		

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

MESA ENVIRONMENTAL SERVICES (Continued)

EDR ID Number
EPA ID Number

Database(s)

S103670383

Gepaid: CAL000100824
TSD EPA ID: CAT080033681
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 2.0080
Waste Category: Unspecified oil-containing waste
Disposal Method: Disposal, Land Fill
Contact: MESA ENVIRONMENTAL SERVICES
Telephone: (562) 901-3470
Mailing Address: PO BOX 9128
LONG BEACH, CA 90810 - 0128
County: Los Angeles

The CA HAZNET database contains 6 additional records for this site.
For more information, please click [here](#) while viewing on your computer,
or contact your EDR Account Executive.

N56
NE
1/8-1/4
1224 ft.

DYNATRON ELECTRIC CO. INC.
1492 OREGON AVE
LONG BEACH, CA

UST U003661149
N/A

Site 3 of 4 in cluster N

Relative:
Higher

UST Long Beach:

Total Tanks: 0T
Tank Test: Not reported

Region: LONG BEACH
Leak Test: Not reported

Actual:
13 ft.

N57
NE
1/8-1/4
1247 ft.

LOEM'S SPORTS WEAR
1501 OREGON AVE
LONG BEACH, CA

UST U003661150
N/A

Site 4 of 4 in cluster N

Relative:
Higher

UST Long Beach:

Total Tanks: 0T
Tank Test: Not reported

Region: LONG BEACH
Leak Test: Not reported

Actual:
13 ft.

O58
North
1/8-1/4
1274 ft.

PUBLIC SERVICE YARD
1725 SAN FRANCISCO AVE
LONG BEACH, CA 90802

LUST S102435505
Cortese N/A

Site 1 of 6 in cluster O

Relative:
Higher

State LUST:

Cross Street: PACIFIC COAST HIGHWAY
Qty Leaked: 0
Case Number: 908130607
Reg Board: 4
Chemical: 8
Lead Agency: Local Agency
Local Agency: 19060
Case Type: Soil only
Status: Preliminary site assessment underway
Review Date: Not reported
Workplan: 8/4/95 0:00
Pollution Char: Not reported

Confirm Leak: Not reported
Prelim Assess: 8/4/95 0:00
Remed Plan: Not reported

Actual:
16 ft.

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

PUBLIC SERVICE YARD (Continued)

S102435505

Remed Action: Not reported
Monitoring: Not reported
Close Date: Not reported
Release Date: 08/04/1995
Cleanup Fund Id : Not reported
Discover Date : 08/04/1995
Enforcement Dt : Not reported
Enf Type: Not reported
Enter Date : 8/31/95 0:00
Funding: Not reported
Staff Initials: Not reported
How Discovered: Inventory Control
How Stopped: Not reported
Interim : Not reported
Leak Cause: Structure Failure
Leak Source: Piping
MTBE Date : Not reported
Max MTBE GW : Not reported
MTBE Tested: Not Required to be Tested.
Priority: Not reported
Local Case # : 0
Beneficial: Not reported
Staff : UNK
GW Qualifier : Not reported
Max MTBE Soil : Not reported
Soil Qualifier : Not reported
Hydr Basin #: SAN FERNANDO VALLEY
Operator : DEPT OF PUBLIC WORKS
Oversight Prgm: LUST
Review Date : 8/31/95 0:00
Stop Date : 08/04/1995
Work Suspended :Not reported
Responsible PartyCITY OF LONG BEACH
RP Address: 333 W. OCEAN BLVD., LONG BEACH, CA 90802
Global Id: T0603701971
Org Name: Not reported
Contact Person: Not reported
MTBE Conc: Not reported
Mtbe Fuel: Not reported
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported

LUST Region 4:

Report Date: 08/04/1995
Lead Agency: Local Agency
Local Agency: 19060
Substance: 8
Case Type: Soil
Status: Preliminary site assessment underway
Region: 4
Staff: UNK
Date Case Last Changed on Database: 8/31/95
Date Leak Record Entered: 8/31/95
Historical Max MTBE Date: Not reported
GW Qualifier: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

PUBLIC SERVICE YARD (Continued)

S102435505

Soil Qualifier:	Not reported
Hist Max MTBE Conc in Groundwater:	Not reported
Hist Max MTBE Conc in Soil :	Not reported
County:	Los Angeles
Organization :	Not reported
Regional Board:	4
Owner Contact:	Not reported
Responsible Party:	CITY OF LONG BEACH
RP Address:	333 W. OCEAN BLVD., LONG BEACH, CA 90802
Significant Interim Remedial Action Taken:	Not reported
Program :	LUST
Lat / Long :	34 / -118
Local Agency Staff:	Not reported
Summary :	Not reported
Hydrologic Basin # :	SAN FERNANDO VALLEY
Beneficial Use :	Not reported
Priority :	Not reported
Cleanup Fund Id :	Not reported
Suspended :	Not reported
Local Case No :	Not reported
Substance Quantity :	0
Abatement Method Used at the Site:	Not reported
Operator :	DEPT OF PUBLIC WORKS
Water System :	Not reported
Well Name :	Not reported
Approx. Dist To Production Well (ft) :	15079.62727
Assigned Name :	Not reported
Source of Cleanup Funding:	Not reported
Date the Leak was Discovered:	08/04/1995
How the Leak was Discovered:	Inventory Control
How the Leak was Stopped:	Not reported
Cause of Leak:	Structure Failure
Leak Source:	Piping
Date The Leak was Stopped:	8/4/95
Date Confirmation Leak Began:	Not reported
Preliminary Site Assessment Workplan Submitted:	Not reported
Preliminary Site Assessment Began:	8/4/95
Pollution Characterization Began:	Not reported
Remediation Plan Submitted:	Not reported
Remedial Action Underway:	Not reported
Post Remedial Action Monitoring Began:	Not reported
Date the Case was Closed:	Not reported
Enforcement Action Date:	Not reported
Date Leak First Reported:	08/04/1995
Enforcement Type:	Not reported
Global ID :	T0603701971
Cross Street:	PACIFIC COAST HIGHWAY

CORTESE:

Region:	CORTESE
Fac Address 2:	1725 SAN FRANCISCO AVE

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

	Site	Database(s)	EDR ID Number EPA ID Number
O59	CITY LONG BEACH PUBLIC WORKS	HAZNET	S103633796
North	1601 SAN FRANCISCO		N/A
1/8-1/4	LONG BEACH, CA 90813		
1274 ft.			
Relative:	Site 2 of 6 in cluster O		
Higher	HAZNET:		
	Gepaid: CAD981632235		
Actual:	TSD EPA ID: CAD067786749		
16 ft.	Gen County: Los Angeles		
	Tsd County: Los Angeles		
	Tons: .2500		
	Waste Category: Asbestos-containing waste		
	Disposal Method: Disposal, Land Fill		
	Contact: CITY OF LONG BEACH		
	Telephone: (000) 000-0000		
	Mailing Address: 1601 SAN FRANCISCO AVE		
	LONG BEACH, CA 90813 - 1495		
	County: Los Angeles		
	Gepaid: CAD981632235		
	TSD EPA ID: CAD009007626		
	Gen County: Los Angeles		
	Tsd County: Los Angeles		
	Tons: 10.1136		
	Waste Category: Asbestos-containing waste		
	Disposal Method: Disposal, Land Fill		
	Contact: CITY OF LONG BEACH		
	Telephone: (000) 000-0000		
	Mailing Address: 1601 SAN FRANCISCO AVE		
	LONG BEACH, CA 90813 - 1495		
	County: Los Angeles		
	Gepaid: CAD981632235		
	TSD EPA ID: CAD008252405		
	Gen County: Los Angeles		
	Tsd County: Los Angeles		
	Tons: 1.3968		
	Waste Category: Unspecified solvent mixture Waste		
	Disposal Method: Recycler		
	Contact: CITY OF LONG BEACH		
	Telephone: (000) 000-0000		
	Mailing Address: 1601 SAN FRANCISCO AVE		
	LONG BEACH, CA 90813 - 1495		
	County: Los Angeles		
	Gepaid: CAD981632235		
	TSD EPA ID: CAT080011059		
	Gen County: Los Angeles		
	Tsd County: Los Angeles		
	Tons: .6255		
	Waste Category: Waste oil and mixed oil		
	Disposal Method: Recycler		
	Contact: CITY OF LONG BEACH		
	Telephone: (000) 000-0000		
	Mailing Address: 1601 SAN FRANCISCO AVE		
	LONG BEACH, CA 90813 - 1495		
	County: Los Angeles		

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

CITY LONG BEACH PUBLIC WORKS (Continued)

EDR ID Number
EPA ID Number

Database(s)

S103633796

Gepaid: CAD981632235
TSD EPA ID: CAT080011059
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .6000
Waste Category: Unspecified oil-containing waste
Disposal Method: Disposal, Other
Contact: CITY OF LONG BEACH
Telephone: (000) 000-0000
Mailing Address: 1601 SAN FRANCISCO AVE
LONG BEACH, CA 90813 - 1495
County: Los Angeles

The CA HAZNET database contains 82 additional records for this site.
For more information, please click [here](#) while viewing on your computer,
or contact your EDR Account Executive.

O60
North
1/8-1/4
1274 ft.

CITY OF L.B. PUBLIC SVC YD (2 D/W JOOR)
1725 SAN FRANCISCO AVE
LONG BEACH, CA

UST U003700201
N/A

Site 3 of 6 in cluster O

Relative:
Higher

UST Long Beach:

Total Tanks: 2T
Tank Test: Dual Walled

Region: LONG BEACH
Leak Test: Not reported

Actual:
16 ft.

O61
North
1/8-1/4
1274 ft.

LONG BEACH CITY, PUB SERV DEPT
1601 SAN FRANCISCO AVENUE
LONG BEACH, CA 90813

RCRIS-SQG 1000231626
FINDS CAD981632235

Site 4 of 6 in cluster O

Relative:
Higher

RCRIS:

Owner: CITY OF LONG BEACH
(415) 555-1212

EPA ID: CAD981632235

Contact: Not reported

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

Actual:
16 ft.

FINDS:

Other Pertinent Environmental Activity Identified at Site:
National Emissions Inventory (NEI)
Resource Conservation and Recovery Act Information system (RCRAINFO)

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

O62
North
1/8-1/4
1274 ft.

LONG BEACH TESTING LAB CITY OF
1475 SAN FRANCISCO AVE
LONG BEACH, CA 90813

RCRIS-SQG
FINDS

1000231634
CAD981972201

Site 5 of 6 in cluster O

Relative:
Higher

RCRIS:

Owner: LONG BEACH CITY OF
(415) 555-1212

EPA ID: CAD981972201

Contact: ENVIRONMENTAL MANAGER
(213) 436-4784

Classification: Small Quantity Generator
TSD Activities: Not reported

Violation Status: No violations found

Actual:
16 ft.

FINDS:

Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system (RCRAINFO)

O63
North
1/8-1/4
1274 ft.

PUBLIC SERVICE TRANSFER STATION #2
1601 SAN FRANCISCO AVE.
LONG BEACH, CA 90813

SWF/LF
EMI

S105247932
N/A

Site 6 of 6 in cluster O

Relative:
Higher

LF:

Facility ID: 19-AA-1049
Operator: City of Long Beach, Public Works Dept.
Operator Phone: (562) 570-2784

Operator Addr: Superintendent Streets Maintenance
1601 San Francisco Ave.
Long Beach, CA 90813

Owner: City of Long Beach, Public Service Bureau
Owner Address: Special Projects Officer
1601 San Francisco Ave.

Long Beach, CA 90813

Owner Telephone: (562) 570-2732
Activity: Limited Volume Transfer Operation

Operator's Status: Not reported

Regulation Status: Not reported

Region: STATE

Lat/Long: 34 / -118

Permit Date: Not reported

Accepted Waste: Green Materials, Mixed municipal

Restrictions:

Status : Not reported

Swisnumber : Not reported

Site Type : Not reported

Aka : Not reported

Type Of Waste : Not reported

Disposal Area : Not reported

SWFP Date : Not reported

WDR Number : Not reported

Dates Of Operation : Not reported

Closure Approved : Not reported

Date Of Field Units : Not reported

Surface Condition : Not reported

Landfill Gas : Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

PUBLIC SERVICE TRANSFER STATION #2 (Continued)

S105247932

Leachate :	Not reported
Emergency Response :	Not reported
Other Recommendation :	Not reported
Reassess Site :	Not reported
Priority For Site Assessment :	Not reported
Lea Date :	Not reported
Explanation:	Not Reported
No Further Action:	Not Reported
Permitted Throughput with Units:	8
Permitted Throughput with Units:	8
Permitted Throughput with Units:	8
Actual Throughput with Units:	Tons/day
Actual Capacity with Units:	1000
Permitted Capacity with Units:	1000
Remaining Capacity with Units:	Tons/year
Permitted Total Acreage:	0
Inspection Frequency:	Quarterly
Landuse Name:	Not reported
GIS Source:	GPS
Permit Status:	Notification
Category:	Transfer/Processing
Unit Number:	01
Last Waste Tire Inspection Count :	Not reported
Last Waste Tire Inspection Date:	Not reported
Original Waste Tire Count:	Not reported
Original Waste Tire Count Date:	Not reported
Closure Date:	/ /
Closure Type:	Not reported
Disposal Acreage:	Not reported
Remaining Capacity:	Not reported
Year Opened:	Not reported
Year Closed:	Not reported
Fill Area:	Not reported
Type Of Refuse:	Not reported
Avg Depth Of Fill:	Not reported
Addtl Expansion Area:	Not reported
Site Description:	Not Reported

EMISSIONS :

Facility ID :	774
Air District Code :	SC
SIC Code :	7699
Total Priority Score :	Not reported
Health Risk Assessment :	Not reported
Non-cancer Chronic Haz Index :	Not reported
Non-cancer Acute Haz Index :	Not reported
Air Basin :	SC
Air District Name :	SOUTH COAST AQMD
Community Health Air Pollution Info System :	Not reported
Consolidated Emission Reporting Rule :	Not reported
County Code :	19
County ID :	19

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

64
WNW
1/4-1/2
1447 ft.

MICOR ENERGY LLC
1234 COWLES ST W
LONG BEACH, CA 90808

Database(s)
EDR ID Number
EPA ID Number

LUST
Cortese
S104406362
N/A

Relative:
Higher

State LUST:

Actual:
13 ft.

Cross Street: FASHION AVE
Qty Leaked: 0
Case Number: 908130625
Reg Board: 4
Chemical: Gasoline
Lead Agency: Regional Board
Local Agency : 19060
Case Type: Other ground water affected
Status: Pollution Characterization
Review Date: Not reported
Workplan: 3/27/00 0:00
Pollution Char: Not reported
Remed Action: Not reported
Monitoring: 1/7/00 0:00
Close Date: Not reported
Release Date: 01/07/2000
Cleanup Fund Id : Not reported
Discover Date : 10/20/1999
Enforcement Dt : Not reported
Enf Type: LET
Enter Date : Not reported
Funding: Not reported
Staff Initials: Not reported
How Discovered: Subsurface Monitoring
How Stopped: Not reported
Interim : Not reported
Leak Cause: UNK
Leak Source: UNK
MTBE Date : 1/1/65 0:00
Max MTBE GW : 290 Parts per Billion
MTBE Tested: MTBE Detected. Site tested for MTBE & MTBE detected
Priority: Not reported
Local Case # : 0
Beneficial: Not reported
Staff : HDN
GW Qualifier : Not reported
Max MTBE Soil : Not reported
Soil Qualifier : Not reported
Hydr Basin #: SAN FERNANDO VALLEY
Operator : AFCO
Oversight Prgm: LUST
Review Date : 9/21/00 0:00
Stop Date : / /
Work Suspended :Not reported
Responsible Party:CHERYL A. MADDEN
RP Address: 2251 OHIO AVE.
Global Id: T0603701973
Org Name: Not reported
Contact Person: Not reported
MTBE Conc: Not reported
Mtbe Fuel: Not reported
Water System Name: Not reported
Well Name: Not reported

Confirm Leak: Not reported
Prelim Assess: 3/27/00 0:00
Remed Plan: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

MICOR ENERGY LLC (Continued)

S104406362

Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported

LUST Region 4:

Report Date: 01/07/2000
Lead Agency: Regional Board
Local Agency: 19060
Substance: Gasoline
Case Type: Groundwater
Status: Pollution Characterization
Region: 4
Staff: HDN

Date Case Last Changed on Database: 9/21/00
Date Leak Record Entered: Not reported
Historical Max MTBE Date: 1/1/65
GW Qualifier: Not reported
Soil Qualifier: Not reported
Hist Max MTBE Conc in Groundwater: 290
Hist Max MTBE Conc in Soil : Not reported
County: Los Angeles
Organization : Not reported
Regional Board: 4
Owner Contact: Not reported
Responsible Party: CHERYL A. MADDEN
RP Address: 2251 OHIO AVE.
Significant Interim Remedial Action Taken: Not reported
Program : LUST
Lat / Long : 34 / -118
Local Agency Staff: Not reported
Summary : 3/3/00 LIMITED SUBSURFACE INVESTIGATION; 3/22/00
ADD'L SOIL & GW INVESTIGATION

Hydrologic Basin # : SAN FERNANDO VALLEY
Beneficial Use : Not reported
Priority : Not reported
Cleanup Fund Id : Not reported
Suspended : Not reported
Local Case No : Not reported
Substance Quantity : 0
Abatement Method Used at the Site: Not reported
Operator : AFCO
Water System : Not reported
Well Name : Not reported
Approx. Dist To Production Well (ft) : 17150.55335
Assigned Name : Not reported
Source of Cleanup Funding: Not reported
Date the Leak was Discovered: 10/20/1999
How the Leak was Discovered: Subsurface Monitoring
How the Leak was Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Date The Leak was Stopped: Not reported
Date Confirmation Leak Began: Not reported
Preliminary Site Assessment Workplan Submitted: 3/7/00
Preliminary Site Assessment Began: 3/27/00
Pollution Characterization Began: 9/25/00
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

MICOR ENERGY LLC (Continued)

EDR ID Number
EPA ID Number

S104406362

Post Remedial Action Monitoring Began: 1/7/00
Date the Case was Closed: Not reported
Enforcement Action Date: Not reported
Date Leak First Reported: 01/07/2000
Enforcement Type: LET
Global ID : T0603701973
Cross Street: FASHION AVE

CORTESE:

Region: CORTESE
Fac Address 2: 1234 COWLES ST W

**65
ENE
1/4-1/2
1589 ft.**

**R & M ENTERPRISES
1501 DAISY AVE
LONG BEACH, CA 90813**

**LUST
Cortese S102435591
N/A**

**Relative:
Higher**

State LUST:

**Actual:
13 ft.**

Cross Street: 015TH ST
Qty Leaked: 0
Case Number 908130243
Reg Board: 4
Chemical: Gasoline
Lead Agency: Regional Board
Local Agency : 19060
Case Type: Other ground water affected
Status: Case Closed
Review Date: 6/30/95 0:00
Workplan: Not reported
Pollution Char: 6/5/96 0:00
Remed Action: 11/3/96 0:00
Monitoring: Not reported
Close Date: 11/6/96 0:00
Release Date: 07/06/1995
Cleanup Fund Id : Not reported
Discover Date : 03/11/1992
Enforcement Dt : Not reported
Enf Type: Not reported
Enter Date : 6/30/95 0:00
Funding: Not reported
Staff Initials: Not reported
How Discovered: Tank Closure
How Stopped: Not reported
Interim : Not reported
Leak Cause: Overfill
Leak Source: UNK
MTBE Date : Not reported
Max MTBE GW : Not reported
MTBE Tested: MTBE Detected. Site tested for MTBE & MTBE detected
Priority: Not reported
Local Case # : 0
Beneficial: Not reported
Staff : UNK
GW Qualifier : Not reported
Max MTBE Soil : Not reported
Soil Qualifier : Not reported
Hydr Basin #: SAN FERNANDO VALLEY
Operator : RICHARD WHITESELL
Oversight Prgm: LUST

Confirm Leak: 6/30/95 0:00
Prelim Assess: Not reported
Remed Plan: 6/5/96 0:00

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

R & M ENTERPRISES (Continued)

S102435591

Review Date : 4/30/97 0:00
Stop Date : 01/10/1989
Work Suspended : Not reported
Responsible Party: BLANK RP
RP Address: 1501 DAISY AVE LONG BEACH CA 90813
Global Id: T0603701938
Org Name: Not reported
Contact Person: Not reported
MTBE Conc: Not reported
Mtb Fuel: Not reported
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported

LUST Region 4:

Report Date: 07/06/1995
Lead Agency: Regional Board
Local Agency: 19060
Substance: Gasoline
Case Type: Groundwater
Status: Case Closed
Region: 4
Staff: UNK
Date Case Last Changed on Database: 4/30/97
Date Leak Record Entered: 6/30/95
Historical Max MTBE Date: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil : Not reported
County: Los Angeles
Organization : Not reported
Regional Board: 4
Owner Contact: Not reported
Responsible Party: BLANK RP
RP Address: 1501 DAISY AVE LONG BEACH CA 90813
Significant Interim Remedial Action Taken: Not reported
Program : LUST
Lat / Long : 34 / -118
Local Agency Staff: Not reported
Summary : DEPTH TO GRNWTR 13FT BGS. IN SOIL ABOVE WATER
TABLE HAVE: 15,000 MG/KG TPH, 830 MG/KG XYLENES:
IN SOIL BELOW WATER TABLE HAVE 220 TPH, 2.6
XYLENES.
Hydrologic Basin # : SAN FERNANDO VALLEY
Beneficial Use : Not reported
Priority : Not reported
Cleanup Fund Id : Not reported
Suspended : Not reported
Local Case No : Not reported
Substance Quantity : 0
Abatement Method Used at the Site: Not reported
Operator : RICHARD WHITESELL
Water System : Not reported
Well Name : Not reported
Approx. Dist To Production Well (ft) : 15015.06559

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

R & M ENTERPRISES (Continued)

S102435591

Assigned Name : Not reported
Source of Cleanup Funding: Not reported
Date the Leak was Discovered: 03/11/1992
How the Leak was Discovered: Tank Closure
How the Leak was Stopped: Not reported
Cause of Leak: Overfill
Leak Source: UNK
Date The Leak was Stopped: 1/10/89
Date Confirmation Leak Began: 6/30/95
Preliminary Site Assessment Workplan Submitted: 4/30/96
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: Not reported
Remediation Plan Submitted: 6/5/96
Remedial Action Underway: 11/3/96
Post Remedial Action Monitoring Began: Not reported
Date the Case was Closed: 11/6/96
Enforcement Action Date: Not reported
Date Leak First Reported: 07/06/1995
Enforcement Type: Not reported
Global ID : T0603701938
Cross Street: 015TH ST

CORTESE:

Region: CORTESE
Fac Address 2: 1501 DAISY AVE

66
East
1/4-1/2
1606 ft.
HARBOR DIESEL & EQUIPMENT INC
0537 W ANAHEIM ST
LONG BEACH, CA 90813

HAZNET
LUST
Cortese
UST
U003660140
N/A

Relative:
Higher

State LUST:

Actual:
25 ft.

Cross Street: MAGNOLIA
Qty Leaked: 0
Case Number: 908130125
Reg Board: 4
Chemical: Diesel
Lead Agency: Regional Board
Local Agency : 19060
Case Type: Soil only
Status: Case Closed
Abate Method: Containment Barrier - install vertical dike to block horizontal movement of contaminant, Cap Site - install horizontal impermeable layer to reduce rainfall infiltration
Review Date: Not reported
Workplan: Not reported
Pollution Char: Not reported
Remed Action: Not reported
Monitoring: Not reported
Close Date: 11/23/87 0:00
Release Date: 08/22/1986
Cleanup Fund Id : Not reported
Discover Date : / /
Enforcement Dt : Not reported
Enf Type: Not reported
Enter Date : 9/9/87 0:00
Funding: Not reported
Staff Initials: Not reported
How Discovered: Not reported
Confirm Leak: Not reported
Prelim Assess: Not reported
Remed Plan: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

HARBOR DIESEL & EQUIPMENT INC (Continued)

U003660140

How Stopped: Not reported
Interim : Yes
Leak Cause: UNK
Leak Source: UNK
MTBE Date : Not reported
Max MTBE GW : Not reported
MTBE Tested: Not Required to be Tested.
Priority: Not reported
Local Case # : 0
Beneficial: Not reported
Staff : UNK
GW Qualifier : Not reported
Max MTBE Soil : Not reported
Soil Qualifier : Not reported
Hydr Basin #: SAN FERNANDO VALLEY
Operator : Not reported
Oversight Prgm: LUST
Review Date : 3/18/92 0:00
Stop Date : / /
Work Suspended :Not reported
Responsible Party:HARBOR DIESEL & EQUIP, INC
RP Address: 537 W ANAHEIM ST, LONG BEACH, CA 90813
Global Id: T0603701927
Org Name: Not reported
Contact Person: Not reported
MTBE Conc: Not reported
Mtbe Fuel: Not reported
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported

LUST Region 4:

Report Date: 08/22/1986
Lead Agency: Regional Board
Local Agency: 19060
Substance: Diesel
Case Type: Soil
Status: Case Closed
Region: 4
Staff: UNK
Date Case Last Changed on Database: 3/18/92
Date Leak Record Entered: 9/9/87
Historical Max MTBE Date: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil : Not reported
County: Los Angeles
Organization : Not reported
Regional Board: 4
Owner Contact: Not reported
Responsible Party: HARBOR DIESEL & EQUIP, INC
RP Address: 537 W ANAHEIM ST, LONG BEACH, CA 90813
Significant Interim Remedial Action Taken: Yes
Program : LUST
Lat / Long : 34 / -118

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

HARBOR DIESEL & EQUIPMENT INC (Continued)

U003660140

Local Agency Staff:	Not reported
Summary :	SIGNED OFF ON 11/23/87
Hydrologic Basin # :	SAN FERNANDO VALLEY
Beneficial Use :	Not reported
Priority :	Not reported
Cleanup Fund Id :	Not reported
Suspended :	Not reported
Local Case No :	Not reported
Substance Quantity :	0
Abatement Method Used at the Site:	CBCD
Operator :	Not reported
Water System :	Not reported
Well Name :	Not reported
Approx. Dist To Production Well (ft) :	15686.00195
Assigned Name :	Not reported
Source of Cleanup Funding:	Not reported
Date the Leak was Discovered:	/ /
How the Leak was Discovered:	Not reported
How the Leak was Stopped:	Not reported
Cause of Leak:	UNK
Leak Source:	UNK
Date The Leak was Stopped:	Not reported
Date Confirmation Leak Began:	Not reported
Preliminary Site Assessment Workplan Submitted:	Not reported
Preliminary Site Assessment Began:	Not reported
Pollution Characterization Began:	Not reported
Remediation Plan Submitted:	Not reported
Remedial Action Underway:	Not reported
Post Remedial Action Monitoring Began:	Not reported
Date the Case was Closed:	11/23/87
Enforcement Action Date:	Not reported
Date Leak First Reported:	08/22/1986
Enforcement Type:	Not reported
Global ID :	T0603701927
Cross Street:	MAGNOLIA

HAZNET:

Gepaid:	CAD054830187
TSD EPA ID:	CAT080033681
Gen County:	Los Angeles
Tsd County:	Los Angeles
Tons:	.4503
Waste Category:	Alkaline solution without metals (pH > 12.5)
Disposal Method:	Not reported
Contact:	Not reported
Telephone:	(000) 000-0000
Mailing Address:	PO BOX 21399
	LONG BEACH, CA 90801 - 4399
County	Los Angeles

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

HARBOR DIESEL & EQUIPMENT INC (Continued)

EDR ID Number
EPA ID Number

Database(s)

U003660140

Gepaid: CAD054830187
TSD EPA ID: CAT080013352
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 8.5485
Waste Category: Aqueous solution with 10% or more total organic residues
Disposal Method: Recycler
Contact: Not reported
Telephone: (000) 000-0000
Mailing Address: PO BOX 21399
LONG BEACH, CA 90801 - 4399
County Los Angeles

Gepaid: CAD054830187
TSD EPA ID: CAT080013352
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 14.5950
Waste Category: Oil/water separation sludge
Disposal Method: Recycler
Contact: Not reported
Telephone: (000) 000-0000
Mailing Address: PO BOX 21399
LONG BEACH, CA 90801 - 4399
County Los Angeles

Gepaid: CAD054830187
TSD EPA ID: CAD008252405
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 1.0842
Waste Category: Liquids with halogenated organic compounds > 1000 mg/l
Disposal Method: Recycler
Contact: Not reported
Telephone: (000) 000-0000
Mailing Address: PO BOX 21399
LONG BEACH, CA 90801 - 4399
County Los Angeles

Gepaid: CAD054830187
TSD EPA ID: CAT080013352
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 1.0425
Waste Category: Waste oil and mixed oil
Disposal Method: Recycler
Contact: Not reported
Telephone: (000) 000-0000
Mailing Address: PO BOX 21399
LONG BEACH, CA 90801 - 4399
County Los Angeles

The CA HAZNET database contains 24 additional records for this site.
For more information, please [click here](#) while viewing on your computer,
or contact your EDR Account Executive.

CORTESE:

Region: CORTESE

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

HARBOR DIESEL & EQUIPMENT INC (Continued)

EDR ID Number
EPA ID Number

U003660140

Fac Address 2: Not reported
UST Long Beach:
Total Tanks: 0T Region: LONG BEACH
Tank Test: Not reported Leak Test: Not reported

**67
WNW
1/4-1/2
1640 ft.**

**NEILL AIRCRAFT COMPANY
1260 W 15TH STREET
LONG BEACH, CA 90813**

**RCRIS-SQG
FINDS
HAZNET
LUST**

**1000287667
CAD982462657**

**Relative:
Lower**

RCRIS:
Owner: NOT REQUIRED
(415) 555-1212
EPA ID: CAD982462657
Contact: Not reported
Classification: Small Quantity Generator
TSDF Activities: Not reported
Violation Status: No violations found

**Actual:
11 ft.**

FINDS:

Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system (RCRAINFO)

State LUST:

Cross Street: 710 FWY
Qty Leaked: 0
Case Number 908130543
Reg Board: 4
Chemical: Gasoline
Lead Agency: Regional Board
Local Agency : 19060
Case Type: Other ground water affected
Status: Pollution Characterization
Review Date: 7/18/97 0:00 Confirm Leak: 7/18/97 0:00
Workplan: 12/19/97 0:00 Prelim Assess: 12/19/97 0:00
Pollution Char: Not reported Remed Plan: Not reported
Remed Action: Not reported
Monitoring: 7/18/97 0:00
Close Date: Not reported
Release Date: 07/18/1997
Cleanup Fund Id : Not reported
Discover Date : 01/01/1988
Enforcement Dt : 3/20/01 0:00
Enf Type: LET
Enter Date : 4/24/98 0:00
Funding: Not reported
Staff Initials: Not reported
How Discovered: Tank Closure
How Stopped: Not reported
Interim : Not reported
Leak Cause: Not reported
Leak Source: Not reported
MTBE Date : 1/1/65 0:00
Max MTBE GW : 110 Parts per Billion
MTBE Tested: MTBE Detected. Site tested for MTBE & MTBE detected
Priority: Not reported
Local Case # : 0

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

NEILL AIRCRAFT COMPANY (Continued)

1000287667

Beneficial: Not reported
Staff : HDN
GW Qualifier : Not reported
Max MTBE Soil : Not reported
Soil Qualifier : Not reported
Hydr Basin #: SAN FERNANDO VALLEY
Operator : Not reported
Oversight Prgm: LUST
Review Date : 11/27/00 0:00
Stop Date : / /
Work Suspended :Not reported
Responsible Party:NEILL RAY
RP Address: 2525 GRAND AVE.
Global Id: T0603701965
Org Name: Not reported
Contact Person: Not reported
MTBE Conc: Not reported
Mtbe Fuel: Not reported
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported

LUST Region 4:

Report Date: 07/18/1997
Lead Agency: Regional Board
Local Agency: 19060
Substance: Gasoline
Case Type: Groundwater
Status: Pollution Characterization
Region: 4
Staff: HDN

Date Case Last Changed on Database: 11/27/00
Date Leak Record Entered: 4/24/98
Historical Max MTBE Date: 1/1/65
GW Qualifier: Not reported
Soil Qualifier: Not reported
Hist Max MTBE Conc in Groundwater: 110
Hist Max MTBE Conc in Soil : Not reported
County: Los Angeles
Organization : Not reported
Regional Board: 4
Owner Contact: Not reported
Responsible Party: NEILL RAY
RP Address: 2525 GRAND AVE.
Significant Interim Remedial Action Taken: Not reported
Program : LUST
Lat / Long : 34 / -118
Local Agency Staff: Not reported
Summary : 10/14/97 - WP FOR ADDITIONAL SOIL INVESTIGATION;
03/02/98 - SITE INVESTIGATION REPORT; 06/19/98 -
WP SOIL & GW INVESTIGATION WP; 07/16/98 - WP
ADDENDUM-ADDL SOIL INVESTIGATION; 11/27/00 GW
INVESTIGATION WP
Hydrologic Basin # : SAN FERNANDO VALLEY
Beneficial Use : Not reported
Priority : Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

NEILL AIRCRAFT COMPANY (Continued)

1000287667

Cleanup Fund Id :	Not reported
Suspended :	Not reported
Local Case No :	Not reported
Substance Quantity :	0
Abatement Method Used at the Site:	Not reported
Operator :	Not reported
Water System :	Not reported
Well Name :	Not reported
Approx. Dist To Production Well (ft) :	16828.55806
Assigned Name :	Not reported
Source of Cleanup Funding:	Not reported
Date the Leak was Discovered:	01/01/1988
How the Leak was Discovered:	Tank Closure
How the Leak was Stopped:	Not reported
Cause of Leak:	Not reported
Leak Source:	Not reported
Date The Leak was Stopped:	Not reported
Date Confirmation Leak Began:	7/18/97
Preliminary Site Assessment Workplan Submitted:	10/14/97
Preliminary Site Assessment Began:	12/19/97
Pollution Characterization Began:	7/29/98
Remediation Plan Submitted:	Not reported
Remedial Action Underway:	Not reported
Post Remedial Action Monitoring Began:	7/18/97
Date the Case was Closed:	Not reported
Enforcement Action Date:	3/20/01
Date Leak First Reported:	07/18/1997
Enforcement Type:	LET
Global ID :	T0603701965
Cross Street:	710 FWY

HAZNET:

Gepaid:	CAD982462657
TSD EPA ID:	CAD000088252
Gen County:	Los Angeles
Tsd County:	Los Angeles
Tons:	.0000
Waste Category:	
Disposal Method:	Transfer Station
Contact:	NEILL AIRCRAFT CO
Telephone:	(562) 432-7981
Mailing Address:	1260 W 15TH ST LONG BEACH, CA 90813 - 1302
County	Los Angeles
Gepaid:	CAD982462657
TSD EPA ID:	CAD000088252
Gen County:	Los Angeles
Tsd County:	Los Angeles
Tons:	6.5000
Waste Category:	Other organic solids
Disposal Method:	Transfer Station
Contact:	NEILL AIRCRAFT CO
Telephone:	(562) 432-7981
Mailing Address:	1260 W 15TH ST LONG BEACH, CA 90813 - 1302
County	Los Angeles

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

NEILL AIRCRAFT COMPANY (Continued)

EDR ID Number
EPA ID Number

Database(s)

1000287667

Gepaid: CAD982462657
TSD EPA ID: CAT080022148
Gen County: Los Angeles
Tsd County: San Bernardino
Tons: 6.9750
Waste Category: Other organic solids
Disposal Method: Transfer Station
Contact: NEILL AIRCRAFT CO
Telephone: (562) 432-7981
Mailing Address: 1260 W 15TH ST
LONG BEACH, CA 90813 - 1302
County Los Angeles

Gepaid: CAD982462657
TSD EPA ID: CAD097030993
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 3.5000
Waste Category: Other organic solids
Disposal Method: Disposal, Other
Contact: NEILL AIRCRAFT CO
Telephone: (562) 432-7981
Mailing Address: 1260 W 15TH ST
LONG BEACH, CA 90813 - 1302
County Los Angeles

Gepaid: CAD982462657
TSD EPA ID: CAD000088252
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 6.2500
Waste Category: Other organic solids
Disposal Method: Transfer Station
Contact: NEILL AIRCRAFT CO
Telephone: (562) 432-7981
Mailing Address: 1260 W 15TH ST
LONG BEACH, CA 90813 - 1302
County Los Angeles

The CA HAZNET database contains 7 additional records for this site.
For more information, please click [here](#) while viewing on your computer,
or contact your EDR Account Executive.

68
ENE
1/4-1/2
1820 ft.

DIAMOND U PRODUCTS, INC
1429 MAGNOLIA AVE
LONG BEACH, CA 90813

LUST S100273093
Cortese N/A

Relative:
Higher

State LUST:
Cross Street: Not reported
Qty Leaked: 0
Case Number: 013191-01
Reg Board: 4
Chemical: Hydrocarbons
Lead Agency: Regional Board
Local Agency: 19060
Case Type: Other ground water affected
Status: Case Closed

Actual:
17 ft.

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

DIAMOND U PRODUCTS, INC (Continued)

EDR ID Number
EPA ID Number

Database(s)

S100273093

Review Date: Not reported
Workplan: 1/28/91 0:00
Pollution Char: Not reported
Remed Action: Not reported
Monitoring: Not reported
Close Date: 9/27/96 0:00
Release Date: 01/18/1991
Cleanup Fund Id : Not reported
Discover Date : / /
Enforcement Dt : Not reported
Enf Type: Not reported
Enter Date : 1/31/91 0:00
Funding: Not reported
Staff Initials: Not reported
How Discovered: Not reported
How Stopped: Not reported
Interim : Not reported
Leak Cause: UNK
Leak Source: UNK
MTBE Date : Not reported
Max MTBE GW : Not reported
MTBE Tested: Not Required to be Tested.
Priority: Not reported
Local Case # : 0
Beneficial: Not reported
Staff : UNK
GW Qualifier : Not reported
Max MTBE Soil : Not reported
Soil Qualifier : Not reported
Hydr Basin #: SAN FERNANDO VALLEY
Operator : Not reported
Oversight Prgm: LUST
Review Date : 12/17/96 0:00
Stop Date : / /
Work Suspended :Not reported
Responsible PartyDIAMOND-U PRODUCTS, INC.
RP Address: 1429 MAGNOLIA AVE., LONG BEACH CA 90813
Global Id: T0603700054
Org Name: Not reported
Contact Person: Not reported
MTBE Conc: Not reported
Mtbe Fuel: Not reported
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported

LUST Region 4:

Report Date: 01/18/1991
Lead Agency: Regional Board
Local Agency: 19060
Substance: Hydrocarbons
Case Type: Groundwater
Status: Case Closed
Region: 4
Staff: UNK
Date Case Last Changed on Database: 12/17/96

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

DIAMOND U PRODUCTS, INC (Continued)

EDR ID Number
EPA ID Number

Database(s)

S100273093

Date Leak Record Entered:	1/31/91
Historical Max MTBE Date:	Not reported
GW Qualifier:	Not reported
Soil Qualifier:	Not reported
Hist Max MTBE Conc in Groundwater:	Not reported
Hist Max MTBE Conc in Soil :	Not reported
County:	Los Angeles
Organization :	Not reported
Regional Board:	4
Owner Contact:	Not reported
Responsible Party:	DIAMOND-U PRODUCTS, INC.
RP Address:	1429 MAGNOLIA AVE., LONG BEACH CA 90813
Significant Interim Remedial Action Taken:	Not reported
Program :	LUST
Lat / Long :	34 / -118
Local Agency Staff:	Not reported
Summary :	IF THIS IS A SOILS CASE, WHY GRNDWTR MONITORING?
Hydrologic Basin # :	SAN FERNANDO VALLEY
Beneficial Use :	Not reported
Priority :	Not reported
Cleanup Fund Id :	Not reported
Suspended :	Not reported
Local Case No :	Not reported
Substance Quantity :	0
Abatement Method Used at the Site:	Not reported
Operator :	Not reported
Water System :	Not reported
Well Name :	Not reported
Approx. Dist To Production Well (ft) :	15008.33826
Assigned Name :	Not reported
Source of Cleanup Funding:	Not reported
Date the Leak was Discovered:	/ /
How the Leak was Discovered:	Not reported
How the Leak was Stopped:	Not reported
Cause of Leak:	UNK
Leak Source:	UNK
Date The Leak was Stopped:	Not reported
Date Confirmation Leak Began:	Not reported
Preliminary Site Assessment Workplan Submitted:	Not reported
Preliminary Site Assessment Began:	1/28/91
Pollution Characterization Began:	Not reported
Remediation Plan Submitted:	Not reported
Remedial Action Underway:	Not reported
Post Remedial Action Monitoring Began:	Not reported
Date the Case was Closed:	9/27/96
Enforcement Action Date:	Not reported
Date Leak First Reported:	01/18/1991
Enforcement Type:	Not reported
Global ID :	T0603700054
Cross Street:	Not reported

CORTESE:

Region:	CORTESE
Fac Address 2:	1429 MAGNOLIA AVE

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

P69
WSW
1/4-1/2
1941 ft.

GEROGE MITCHEL
1326 012TH
LONG BEACH, CA 90813

LUST
Cortese
S101296838
N/A

Site 1 of 3 in cluster P

Relative:
Lower

State LUST:

Actual:
8 ft.

Cross Street:	Not reported	
Qty Leaked:	0	
Case Number	908130043	
Reg Board:	4	
Chemical:	Gasoline	
Lead Agency:	Regional Board	
Local Agency :	19060	
Case Type:	Soil only	
Status:	Pollution Characterization	
Review Date:	Not reported	Confirm Leak: Not reported
Workplan:	7/20/99 0:00	Prelim Assess: 7/20/99 0:00
Pollution Char:	Not reported	Remed Plan: Not reported
Remed Action:	Not reported	
Monitoring:	11/1/84 0:00	
Close Date:	Not reported	
Release Date:	11/01/1984	
Cleanup Fund Id :	Not reported	
Discover Date :	11/01/1984	
Enforcement Dt :	Not reported	
Enf Type:	DLSEL	
Enter Date :	12/31/86 0:00	
Funding:	Not reported	
Staff Initials:	Not reported	
How Discovered:	Not reported	
How Stopped:	Not reported	
Interim :	Yes	
Leak Cause:	UNK	
Leak Source:	UNK	
MTBE Date :	Not reported	
Max MTBE GW :	Not reported	
MTBE Tested:	Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.	
Priority:	Not reported	
Local Case # :	0	
Beneficial:	Not reported	
Staff :	HDN	
GW Qualifier :	Not reported	
Max MTBE Soil :	Not reported	
Soil Qualifier :	Not reported	
Hydr Basin #:	SAN FERNANDO VALLEY	
Operator :	Not reported	
Oversight Prgm:	LUST	
Review Date :	10/30/00 0:00	
Stop Date :	11/01/1984	
Work Suspended :	Not reported	
Responsible Party	BRUCE HARRISON	
RP Address:	1842 E. 29TH ST.	
Global Id:	T0603701919	
Org Name:	Not reported	
Contact Person:	Not reported	
MTBE Conc:	Not reported	
Mtbe Fuel:	Not reported	
Water System Name:	Not reported	

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

GEROGE MITCHEL (Continued)

S101296838

Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported

LUST Region 4:

Report Date: 11/01/1984
Lead Agency: Regional Board
Local Agency: 19060
Substance: Gasoline
Case Type: Soil
Status: Pollution Characterization
Region: 4
Staff: HDN

Date Case Last Changed on Database: 10/30/00
Date Leak Record Entered: 12/31/86
Historical Max MTBE Date: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil : Not reported
County: Los Angeles
Organization : Not reported
Regional Board: 4

Owner Contact: Not reported

Responsible Party: BRUCE HARRISON

RP Address: 1842 E. 29TH ST.

Significant Interim Remedial Action Taken: Yes

Program : LUST

Lat / Long : 34 / -118

Local Agency Staff: Not reported

Summary : INITIALLY ASSIGNED TO ANS. TWO GASOLINE TANKS
REMOVED. MITCHELL REFUSES TO CONDUCT A SITE
ASSESSMENT.; 2/26/99 SUBSURFACE SITE ASSESSMENT
SOIL & GW SAMPLING
SAN FERNANDO VALLEY

Hydrologic Basin # :

Beneficial Use : Not reported

Priority : Not reported

Cleanup Fund Id : Not reported

Suspended : Not reported

Local Case No : Not reported

Substance Quantity : 0

Abatement Method Used at the Site: Not reported

Operator : Not reported

Water System : Not reported

Well Name : Not reported

Approx. Dist To Production Well (ft) : 18073.64913

Assigned Name : Not reported

Source of Cleanup Funding: Not reported

Date the Leak was Discovered: 11/01/1984

How the Leak was Discovered: Not reported

How the Leak was Stopped: Not reported

Cause of Leak: UNK

Leak Source: UNK

Date The Leak was Stopped: 11/1/84

Date Confirmation Leak Began: Not reported

Preliminary Site Assessment Workplan Submitted: 7/9/98

Preliminary Site Assessment Began: 7/20/99

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

GEROGE MITCHEL (Continued)

EDR ID Number
EPA ID Number

S101296838

Pollution Characterization Began: 11/5/03
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: 11/1/84
Date the Case was Closed: Not reported
Enforcement Action Date: Not reported
Date Leak First Reported: 11/01/1984
Enforcement Type: DLSEL
Global ID : T0603701919
Cross Street: Not reported

CORTESE:

Region: CORTESE
Fac Address 2: Not reported

**P70
WSW
1/4-1/2
1989 ft.**

**GOODYEAR
1350 12TH
LONG BEACH, CA 90813**

**Cortese S105024546
N/A**

Site 2 of 3 in cluster P

**Relative:
Lower**

CORTESE:
Region: CORTESE
Fac Address 2: Not reported

**Actual:
8 ft.**

**P71
WSW
1/4-1/2
1989 ft.**

**STAPLETON TECHNOLOGIES INC
1350 W 12TH ST
LONG BEACH, CA 90813**

**RCRIS-SQG 1000348220
FINDS CAD980885800
CA WDS
EMI**

Site 3 of 3 in cluster P

**Relative:
Lower**

RCRIS:
Owner: NOT REQUIRED
(415) 555-1212
EPA ID: CAD980885800
Contact: Not reported
Classification: Small Quantity Generator
TSDF Activities: Not reported
Violation Status: No violations found

**Actual:
8 ft.**

FINDS:

Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system (RCRAINFO)

WDS:

Facility ID: 4 19I012519
Facility Contact: Not reported
SIC Code: Not reported
Agency Name: STAPLETON TECHNOLOGIES INC
Agency Address: 0
Agency Contact: Not reported
Design Flow: Not reported
Facility Type: Not reported
Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
Agency Type: Not reported
Waste Type: Not reported

Facility Telephone: 0
SIC Code 2: Not reported

Agency Phone: 0
Baseline Flow: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

STAPLETON TECHNOLOGIES INC (Continued)

1000348220

Threat to Water: Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.

Complexity: Category C - Facilities having no waste treatment systems, such as cooling water dischargers or those who must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

Reclamation: Not reported
POTW: Not reported
NPDES Number: CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion: 4

EMISSIONS :

Facility ID : 2471
Air District Code : SC
SIC Code : 2899
Total Priority Score : Not reported
Health Risk Assessment : Not reported
Non-cancer Chronic Haz Index : Not reported
Non-cancer Acute Haz Index : Not reported
Air Basin : SC
Air District Name : SOUTH COAST AQMD
Community Health Air Pollution Info System : Not reported
Consolidated Emission Reporting Rule : Not reported
County Code : 19
County ID : 19

72
NW
1/4-1/2
2012 ft.

LA CO., SANITATION DIST, LB PU
1238 W 16TH ST
LONG BEACH, CA 90813

FINDS 1006824396
EMI 110013829866

Relative:
Equal

FINDS:
Other Pertinent Environmental Activity Identified at Site:
National Emissions Inventory (NEI)

Actual:
12 ft.

EMISSIONS :

Facility ID : 6906
Air District Code : SC
SIC Code : 4952
Total Priority Score : Not reported
Health Risk Assessment : Not reported
Non-cancer Chronic Haz Index : Not reported
Non-cancer Acute Haz Index : Not reported
Air Basin : SC
Air District Name : SOUTH COAST AQMD
Community Health Air Pollution Info System : Not reported
Consolidated Emission Reporting Rule : Not reported
County Code : 19
County ID : 19

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

73
NE
1/4-1/2
2074 ft.

ASSOCIATED BREWERS DIST
615 017TH
LONG BEACH, CA 90813

LUST
Cortese

S102424693
N/A

Relative:
Higher

State LUST:

Actual:
13 ft.

Cross Street: MAGNOLIA AVE
Qty Leaked: 0
Case Number: 908130461
Reg Board: 4
Chemical: Hydrocarbons
Lead Agency: Regional Board
Local Agency : 19060
Case Type: Other ground water affected
Status: Case Closed
Review Date: Not reported
Workplan: Not reported
Pollution Char: Not reported
Remed Action: Not reported
Monitoring: Not reported
Close Date: 4/30/99 0:00
Release Date: 10/19/1989
Cleanup Fund Id : Not reported
Discover Date : 10/19/1989
Enforcement Dt : Not reported
Enf Type: Not reported
Enter Date : 9/23/96 0:00
Funding: Not reported
Staff Initials: Not reported
How Discovered: Subsurface Monitoring
How Stopped: Not reported
Interim : Not reported
Leak Cause: Not reported
Leak Source: Not reported
MTBE Date : 1/1/65 0:00
Max MTBE GW : 25 Parts per Billion
MTBE Tested: MTBE Detected. Site tested for MTBE & MTBE detected
Priority: 1C1
Local Case # : 0
Beneficial: Not reported
Staff : DK
GW Qualifier : Not reported
Max MTBE Soil : Not reported
Soil Qualifier : Not reported
Hydr Basin #: SAN FERNANDO VALLEY
Operator : Not reported
Oversight Prgm: LUST
Review Date : 6/28/99 0:00
Stop Date : 10/19/1989
Work Suspended :Not reported
Responsible PartyASSOCIATED BREWERS DIST. CO
RP Address: P.O. BOX 11238, MARINA DEL REY CA 90295
Global Id: T0603701957
Org Name: Not reported
Contact Person: Not reported
MTBE Conc: Not reported
Mtbe Fuel: Not reported
Water System Name: Not reported
Well Name: Not reported

Confirm Leak: Not reported
Prelim Assess: Not reported
Remed Plan: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

ASSOCIATED BREWERS DIST (Continued)

S102424693

Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported

LUST Region 4:

Report Date: 10/19/1989
Lead Agency: Regional Board
Local Agency: 19060
Substance: Hydrocarbons
Case Type: Groundwater
Status: Case Closed
Region: 4
Staff: DK
Date Case Last Changed on Database:
Date Leak Record Entered:
Historical Max MTBE Date:
GW Qualifier:
Soil Qualifier:
Hist Max MTBE Conc in Groundwater:
Hist Max MTBE Conc in Soil :
County:
Organization :
Regional Board:
Owner Contact: Not reported
Responsible Party:
RP Address:
Significant Interim Remedial Action Taken:
Program :
Lat / Long :
Local Agency Staff:
Summary :

6/28/99
9/23/96
1/1/65
Not reported
Not reported
25
Not reported
Los Angeles
Not reported
4
ASSOCIATED BREWERS DIST. CO
P.O. BOX 11238, MARINA DEL REY CA 90295
Not reported
LUST
34 / -118
Not reported
05/01/97 - WORK PLAN FOR ADD'L SITE ASSESSMENT;
01/30/98 - STATUS RPT FOR 4TH QTR 1997; 05/14/98
- STATUS RPT FOR 1ST QTR 1998 & REQUEST FOR
CLOSURE; 6/28/99 WELL DESTRUCTION
SAN FERNANDO VALLEY
Not reported
1C1
Not reported
Not reported
Not reported
0
Not reported
Not reported
Not reported
Not reported
14465.8393
Not reported
Not reported
10/19/1989
Subsurface Monitoring
Not reported
Not reported
Not reported
10/19/89
Not reported
2/14/90
Not reported
11/20/97

Hydrologic Basin # :
Beneficial Use :
Priority :
Cleanup Fund Id :
Suspended :
Local Case No :
Substance Quantity :
Abatement Method Used at the Site:
Operator :
Water System :
Well Name :
Approx. Dist To Production Well (ft) :
Assigned Name :
Source of Cleanup Funding:
Date the Leak was Discovered:
How the Leak was Discovered:
How the Leak was Stopped:
Cause of Leak:
Leak Source:
Date The Leak was Stopped:
Date Confirmation Leak Began:
Preliminary Site Assessment Workplan Submitted:
Preliminary Site Assessment Began:
Pollution Characterization Began:

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

ASSOCIATED BREWERS DIST (Continued)

EDR ID Number
EPA ID Number

Database(s)

S102424693

Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Date the Case was Closed: 4/30/99
Enforcement Action Date: Not reported
Date Leak First Reported: 10/19/1989
Enforcement Type: Not reported
Global ID : T0603701957
Cross Street: MAGNOLIA AVE

CORTESE:
Region: CORTESE
Fac Address 2: Not reported

74
NW
1/4-1/2
2170 ft.

ACME OIL CO (MCMULLEN OIL
1305 016TH
LONG BEACH, CA 90813

Cortese S104159966
N/A

Relative:
Lower
Actual:
11 ft.

CORTESE:
Region: CORTESE
Fac Address 2: Not reported

Q75
South
1/4-1/2
2178 ft.

BULK TERMINAL
960 DE FOREST AVE
LONG BEACH, CA 90813

LUST S101296712
Cortese N/A
CA SLIC

Site 1 of 2 in cluster Q

Relative:
Higher
Actual:
13 ft.

State LUST:
Cross Street: Not reported
Qty Leaked: 0
Case Number 908130061
Reg Board: 4
Chemical: Solvents
Lead Agency: Regional Board
Local Agency : 19060
Case Type: Other ground water affected
Status: Pollution Characterization
Review Date: Not reported
Workplan: Not reported
Pollution Char: Not reported
Remed Action: Not reported
Monitoring: Not reported
Close Date: Not reported
Release Date: 10/31/1984
Cleanup Fund Id : Not reported
Discover Date : / /
Enforcement Dt : Not reported
Enf Type: Not reported
Enter Date : 12/31/86 0:00
Funding: Not reported
Staff Initials: Not reported
How Discovered: Not reported
How Stopped: Not reported
Interim : Not reported

Confirm Leak: Not reported
Prelim Assess: Not reported
Remed Plan: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

BULK TERMINAL (Continued)

S101296712

Leak Cause: UNK
Leak Source: UNK
MTBE Date : Not reported
Max MTBE GW : Not reported
MTBE Tested: Not Required to be Tested.
Priority: Not reported
Local Case # : 0
Beneficial: Not reported
Staff : SLC
GW Qualifier : Not reported
Max MTBE Soil : Not reported
Soil Qualifier : Not reported
Hydr Basin #: SAN FERNANDO VALLEY
Operator : Not reported
Oversight Prgm: Spills, Leaks, Investigations and Cleanup UST
Review Date : 3/26/01 0:00
Stop Date : / /
Work Suspended :Not reported
Responsible Party:BLANK RP
RP Address: Not reported
Global Id: T0603701921
Org Name: Not reported
Contact Person: Not reported
MTBE Conc: Not reported
Mtb Fuel: Not reported
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported

LUST Region 4:

Report Date: 10/31/1984
Lead Agency: Regional Board
Local Agency: 19060
Substance: Solvents
Case Type: Groundwater
Status: Pollution Characterization
Region: 4
Staff: SLC

Date Case Last Changed on Database: 3/26/01
Date Leak Record Entered: 12/31/86
Historical Max MTBE Date: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil : Not reported
County: Los Angeles
Organization : Not reported
Regional Board: 4
Owner Contact: Not reported
Responsible Party: BLANK RP
RP Address: Not reported
Significant Interim Remedial Action Taken: Not reported
Program : SLIC
Lat / Long : 34 / -118
Local Agency Staff: Not reported
Summary : ON MONITORING PROGRAM. REFER TO SLIC #681

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

BULK TERMINAL (Continued)

S101296712

Hydrologic Basin # : SAN FERNANDO VALLEY
Beneficial Use : Not reported
Priority : Not reported
Cleanup Fund Id : Not reported
Suspended : Not reported
Local Case No : Not reported
Substance Quantity : 0
Abatement Method Used at the Site: Not reported
Operator : Not reported
Water System : Not reported
Well Name : Not reported
Approx. Dist To Production Well (ft) : 17849.96189
Assigned Name : Not reported
Source of Cleanup Funding: Not reported
Date the Leak was Discovered: / /
How the Leak was Discovered: Not reported
How the Leak was Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Date The Leak was Stopped: Not reported
Date Confirmation Leak Began: Not reported
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: 3/31/88
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Date the Case was Closed: Not reported
Enforcement Action Date: Not reported
Date Leak First Reported: 10/31/1984
Enforcement Type: Not reported
Global ID : T0603701921
Cross Street: Not reported

CORTESE:

Region: CORTESE
Fac Address 2: 960 DE FOREST AVE

SLIC Region 4:

Facility Status: Site Assessment
Region: 4
SLIC: 0681
Staff: AH
Substance: VOCs

Q76
South
1/4-1/2
2202 ft.

SANTA FE PACIFIC PIPELINE
DE FOREST AVE
LONG BEACH, CA 90813

LUST **S102436446**
Cortese **N/A**

Site 2 of 2 in cluster Q

Relative:
Equal

State LUST:

Actual:
12 ft.

Cross Street: 060TH ST.
Qty Leaked: 0
Case Number: 123091-41
Reg Board: 4
Chemical: Gasoline
Lead Agency: Local Agency
Local Agency : 19060
Case Type: Soil only

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

SANTA FE PACIFIC PIPELINE (Continued)

S102436446

Status: Preliminary site assessment underway
Review Date: Not reported Confirm Leak: Not reported
Workplan: 11/15/91 0:00 Prelim Assess: 11/15/91 0:00
Pollution Char: Not reported Remed Plan: Not reported
Remed Action: Not reported
Monitoring: Not reported
Close Date: Not reported
Release Date: 11/15/1991
Cleanup Fund Id : Not reported
Discover Date : 10/28/1991
Enforcement Dt : Not reported
Enf Type: Not reported
Enter Date : 12/20/91 0:00
Funding: Not reported
Staff Initials: Not reported
How Discovered: OM
How Stopped: Not reported
Interim : Not reported
Leak Cause: Other Cause
Leak Source: Piping
MTBE Date : Not reported
Max MTBE GW : Not reported
MTBE Tested: Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.
Priority: Not reported
Local Case # : 0
Beneficial: Not reported
Staff : UNK
GW Qualifier : Not reported
Max MTBE Soil : Not reported
Soil Qualifier : Not reported
Hydr Basin #: SAN FERNANDO VALLEY
Operator : Not reported
Oversight Prgm: LUST
Review Date : 12/5/91 0:00
Stop Date : 10/28/1991
Work Suspended :Not reported
Responsible Party:SANTA FE PACIFIC PIPELINE INC.
RP Address: 888 S. FIGUEROA ST., LOS ANGELES, 90017
Global Id: T0603700221
Org Name: Not reported
Contact Person: Not reported
MTBE Conc: Not reported
Mtb Fuel: Not reported
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported

LUST Region 4:

Report Date: 11/15/1991
Lead Agency: Local Agency
Local Agency: 19060
Substance: Gasoline
Case Type: Soil
Status: Preliminary site assessment underway
Region: 4
Staff: UNK

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

SANTA FE PACIFIC PIPELINE (Continued)

S102436446

Date Case Last Changed on Database: 12/5/91
Date Leak Record Entered: 12/20/91
Historical Max MTBE Date: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil : Not reported
County: Los Angeles
Organization : Not reported
Regional Board: 4
Owner Contact: Not reported
Responsible Party: SANTA FE PACIFIC PIPELINE INC.
RP Address: 888 S. FIGUEROA ST., LOS ANGELES, 90017
Significant Interim Remedial Action Taken: Not reported
Program : LUST
Lat / Long : 34 / -118
Local Agency Staff: Not reported
Summary : Not reported
Hydrologic Basin # : SAN FERNANDO VALLEY
Beneficial Use : Not reported
Priority : Not reported
Cleanup Fund Id : Not reported
Suspended : Not reported
Local Case No : Not reported
Substance Quantity : 0
Abatement Method Used at the Site: Not reported
Operator : Not reported
Water System : Not reported
Well Name : Not reported
Approx. Dist To Production Well (ft) : 13320.55517
Assigned Name : Not reported
Source of Cleanup Funding: Not reported
Date the Leak was Discovered: 10/28/1991
How the Leak was Discovered: OM
How the Leak was Stopped: Not reported
Cause of Leak: Other Causes
Leak Source: Piping
Date The Leak was Stopped: 10/28/91
Date Confirmation Leak Began: Not reported
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: 11/15/91
Pollution Characterization Began: Not reported
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Date the Case was Closed: Not reported
Enforcement Action Date: Not reported
Date Leak First Reported: 11/15/1991
Enforcement Type: Not reported
Global ID : T0603700221
Cross Street: 060TH ST.

CORTESE:

Region: CORTESE
Fac Address 2: DE FOREST AVE

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

77
SW
1/4-1/2
2205 ft.

LOMITA GASOLINE COMPANY INC
1348 WEST 9TH STREET
LONG BEACH, CA 90813

HAZNET
EMI

S103628883
N/A

Relative:
Higher

HAZNET:

Actual:
14 ft.

Gepaid: CAT080014186
TSD EPA ID: CAD980675276
Gen County: Los Angeles
Tsd County: Kern
Tons: 53.8900
Waste Category: Sulfur sludge
Disposal Method: Disposal, Land Fill
Contact: TIDELANDS OIL PRODUCTION CO
Telephone: (562) 436-9918
Mailing Address: 1348 WEST 9TH ST
LONG BEACH, CA 90813
County: Los Angeles

Gepaid: CAT080014186
TSD EPA ID: CAT080033681
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 63.3840
Waste Category: Alkaline solution without metals (pH > 12.5)
Disposal Method: Recycler
Contact: TIDELANDS OIL PRODUCTION CO
Telephone: (562) 436-9918
Mailing Address: 1348 WEST 9TH ST
LONG BEACH, CA 90813
County: Los Angeles

Gepaid: CAT080014186
TSD EPA ID: AZC951206114
Gen County: Los Angeles
Tsd County: 99
Tons: 29.4980
Waste Category: Asbestos-containing waste
Disposal Method: Disposal, Land Fill
Contact: TIDELANDS OIL PRODUCTION CO
Telephone: (562) 436-9918
Mailing Address: 1348 WEST 9TH ST
LONG BEACH, CA 90813
County: Los Angeles

Gepaid: CAT080014186
TSD EPA ID: AZD049318009
Gen County: Los Angeles
Tsd County: 99
Tons: 1.5000
Waste Category: Transfer Station
Disposal Method: Transfer Station
Contact: TIDELANDS OIL PRODUCTION CO
Telephone: (562) 436-9918
Mailing Address: 1348 WEST 9TH ST
LONG BEACH, CA 90813
County: Los Angeles

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

LOMITA GASOLINE COMPANY INC (Continued)

EDR ID Number
EPA ID Number

Database(s)

S103628883

Gepaid: CAT080014186
TSD EPA ID: CAD980675276
Gen County: Los Angeles
Tsd County: Kern
Tons: 94.3936
Waste Category: Sulfur sludge
Disposal Method: Disposal, Land Fill
Contact: TIDELANDS OIL PRODUCTION CO
Telephone: (562) 436-9918
Mailing Address: 1348 WEST 9TH ST
LONG BEACH, CA 90813
County: Los Angeles

The CA HAZNET database contains 37 additional records for this site.
For more information, please click [here](#) while viewing on your computer,
or contact your EDR Account Executive.

EMISSIONS :

Facility ID : 95524
Air District Code : SC
SIC Code : 4925
Total Priority Score : Not reported
Health Risk Assessment : Not reported
Non-cancer Chronic Haz Index : Not reported
Non-cancer Acute Haz Index : Not reported
Air Basin : SC
Air District Name : SOUTH COAST AQMD
Community Health Air Pollution Info System : Y
Consolidated Emission Reporting Rule : B
County Code : 19
County ID : 19

Facility ID : 17285
Air District Code : SC
SIC Code : 4925
Total Priority Score : Not reported
Health Risk Assessment : Not reported
Non-cancer Chronic Haz Index : Not reported
Non-cancer Acute Haz Index : Not reported
Air Basin : SC
Air District Name : SOUTH COAST AQMD
Community Health Air Pollution Info System : Not reported
Consolidated Emission Reporting Rule : Not reported
County Code : 19
County ID : 19

78
NW
1/4-1/2
2228 ft.

ACME OIL CO (MCMULLEN OIL)
1651 FASHION AVE.
LONG BEACH, CA 90813

LUST S105692352
N/A

Relative:
Lower

State LUST:
Cross Street: PCH
Qty Leaked: 0
Case Number: 908130189
Reg Board: 4
Chemical: Gasoline
Lead Agency: Regional Board

Actual:
11 ft.

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

ACME OIL CO (MCMULLEN OIL) (Continued)

S105692352

Local Agency : 19060
Case Type: Other ground water affected
Status: Preliminary site assessment underway
Review Date: Not reported Confirm Leak: Not reported
Workplan: 3/19/03 0:00 Prelim Assess: 3/19/03 0:00
Pollution Char: Not reported Remed Plan: Not reported
Remed Action: Not reported
Monitoring: 4/26/85 0:00
Close Date: Not reported
Release Date: 04/26/1985
Cleanup Fund Id : Not reported
Discover Date : / /
Enforcement Dt : 9/29/00 0:00
Enf Type: LET
Enter Date : 6/17/88 0:00
Funding: Not reported
Staff Initials: Not reported
How Discovered: Not reported
How Stopped: Not reported
Interim : Not reported
Leak Cause: Not reported
Leak Source: Not reported
MTBE Date : 2/25/03 0:00
Max MTBE GW : 203 Parts per Billion
MTBE Tested: MTBE Detected. Site tested for MTBE & MTBE detected
Priority: Not reported
Local Case # : 0
Beneficial: Not reported
Staff : HSP
GW Qualifier : =
Max MTBE Soil : 0 Parts per Million
Soil Qualifier : ND
Hydr Basin #: SAN FERNANDO VALLEY
Operator : Not reported
Oversight Prgm: LUST
Review Date : 7/9/02 0:00
Stop Date : / /
Work Suspended :Not reported
Responsible Party:ANDREW HOPWOOD
RP Address: PO BOX 3149
Global Id: T0603701931
Org Name: Not reported
Contact Person: Not reported
MTBE Conc: Not reported
Mtbe Fuel: Not reported
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported

LUST Region 4:

Report Date: 04/26/1985
Lead Agency: Regional Board
Local Agency: 19060
Substance: Gasoline
Case Type: Groundwater
Status: Preliminary site assessment underway

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s)
 EDR ID Number
 EPA ID Number

ACME OIL CO (MCMULLEN OIL) (Continued)

S105692352

Region: 4
 Staff: HSP
 Date Case Last Changed on Database: 7/9/02
 Date Leak Record Entered: 6/17/88
 Historical Max MTBE Date: 2/25/03
 GW Qualifier: =
 Soil Qualifier: ND
 Hist Max MTBE Conc in Groundwater: 203
 Hist Max MTBE Conc in Soil : 0
 County: Los Angeles
 Organization : Not reported
 Regional Board: 4
 Owner Contact: Not reported
 Responsible Party: ANDREW HOPWOOD
 RP Address: PO BOX 3149
 Significant Interim Remedial Action Taken: Not reported
 Program : LUST
 Lat / Long : 34 / -118
 Local Agency Staff: Not reported
 Summary : Not reported
 Hydrologic Basin # : SAN FERNANDO VALLEY
 Beneficial Use : Not reported
 Priority : Not reported
 Cleanup Fund Id : Not reported
 Suspended : Not reported
 Local Case No : Not reported
 Substance Quantity : 0
 Abatement Method Used at the Site: Not reported
 Operator : Not reported
 Water System : Not reported
 Well Name : Not reported
 Approx. Dist To Production Well (ft) : 16162.19457
 Assigned Name : Not reported
 Source of Cleanup Funding: Not reported
 Date the Leak was Discovered: / /
 How the Leak was Discovered: Not reported
 How the Leak was Stopped: Not reported
 Cause of Leak: Not reported
 Leak Source: Not reported
 Date The Leak was Stopped: Not reported
 Date Confirmation Leak Began: Not reported
 Preliminary Site Assessment Workplan Submitted: 7/18/02
 Preliminary Site Assessment Began: 3/19/03
 Pollution Characterization Began: 4/10/85
 Remediation Plan Submitted: Not reported
 Remedial Action Underway: Not reported
 Post Remedial Action Monitoring Began: 4/26/85
 Date the Case was Closed: Not reported
 Enforcement Action Date: 9/29/00
 Date Leak First Reported: 04/26/1985
 Enforcement Type: LET
 Global ID : T0603701931
 Cross Street: PCH

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

79
WSW
1/4-1/2
2312 ft.

RUSSELL TRUCK COMPANY
1430 011TH ST W
LONG BEACH, CA 90813

LUST
Cortese
S101296837
N/A

Relative:
Lower

State LUST:

Actual:
8 ft.

Cross Street: SANTA FE
Qty Leaked: 0
Case Number: 908130098
Reg Board: 4
Chemical: Gasoline
Lead Agency: Regional Board
Local Agency : 19060
Case Type: Other ground water affected
Status: Case Closed
Abate Method: Remove Free Product - remove floating product from water table
Review Date: Not reported
Workplan: Not reported
Pollution Char: Not reported
Remed Action: 1/7/88 0:00
Monitoring: Not reported
Close Date: 9/13/96 0:00
Release Date: 04/18/1986
Cleanup Fund Id : Not reported
Discover Date : / /
Enforcement Dt : Not reported
Enf Type: Not reported
Enter Date : 12/31/86 0:00
Funding: Not reported
Staff Initials: Not reported
How Discovered: Not reported
How Stopped: Not reported
Interim : Yes
Leak Cause: UNK
Leak Source: Tank
MTBE Date : Not reported
Max MTBE GW : Not reported
MTBE Tested: Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.
Priority: Not reported
Local Case # : 0
Beneficial: Not reported
Staff : UNK
GW Qualifier : Not reported
Max MTBE Soil : Not reported
Soil Qualifier : Not reported
Hydr Basin #: SAN FERNANDO VALLEY
Operator : Not reported
Oversight Prgm: LUST
Review Date : 3/22/92 0:00
Stop Date : / /
Work Suspended :Not reported
Responsible Party:RUSSELL ENTERPRISES
RP Address: P.O. BOX 91135, CITY OF COMMERCE CA 90091
Global Id: T0603701924
Org Name: Not reported
Contact Person: Not reported
MTBE Conc: Not reported
Mtbe Fuel: Not reported
Water System Name: Not reported

Confirm Leak: Not reported
Prelim Assess: Not reported
Remed Plan: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

RUSSELL TRUCK COMPANY (Continued)

S101296837

Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported

LUST Region 4:

Report Date: 04/18/1986
Lead Agency: Regional Board
Local Agency: 19060
Substance: Gasoline
Case Type: Groundwater
Status: Case Closed
Region: 4
Staff: UNK

Date Case Last Changed on Database: 3/22/92
Date Leak Record Entered: 12/31/86
Historical Max MTBE Date: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil : Not reported
County: Los Angeles
Organization : Not reported
Regional Board: 4

Owner Contact: Not reported

Responsible Party: RUSSELL ENTERPRISES
RP Address: P.O. BOX 91135, CITY OF COMMERCE CA 90091
Significant Interim Remedial Action Taken: Yes

Program : LUST
Lat / Long : 34 / -118

Local Agency Staff: Not reported
Summary : SOIL CONTAMINATION REMOVAL COMPLETE. GROUNDWATER NOT YET COMPLETED

Hydrologic Basin # : SAN FERNANDO VALLEY

Beneficial Use : Not reported
Priority : Not reported

Cleanup Fund Id : Not reported

Suspended : Not reported

Local Case No : Not reported

Substance Quantity : 0

Abatement Method Used at the Site: Remove Free Product

Operator : Not reported

Water System : Not reported

Well Name : Not reported

Approx. Dist To Production Well (ft) : 18135.36294

Assigned Name : Not reported

Source of Cleanup Funding: Not reported

Date the Leak was Discovered: / /

How the Leak was Discovered: Not reported

How the Leak was Stopped: Not reported

Cause of Leak: UNK

Leak Source: Tank

Date The Leak was Stopped: Not reported

Date Confirmation Leak Began: Not reported

Preliminary Site Assessment Workplan Submitted: Not reported

Preliminary Site Assessment Began: Not reported

Pollution Characterization Began: Not reported

Remediation Plan Submitted: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

RUSSELL TRUCK COMPANY (Continued)

EDR ID Number
EPA ID Number

S101296837

Remedial Action Underway: 1/7/88
Post Remedial Action Monitoring Began: Not reported
Date the Case was Closed: 9/13/96
Enforcement Action Date: Not reported
Date Leak First Reported: 04/18/1986
Enforcement Type: Not reported
Global ID : T0603701924
Cross Street: SANTA FE

CORTESE:

Region: CORTESE
Fac Address 2: 1430 011TH ST W

R80
South
1/4-1/2
2331 ft.

MTA DIV. 12
970 CHESTER PL W.
LONG BEACH, CA 90813

LUST **S105692204**
N/A

Site 1 of 2 in cluster R

Relative:
Equal

State LUST:

Actual:
12 ft.

Cross Street: Not reported
Qty Leaked: 0
Case Number: 908130661
Reg Board: 4
Chemical: Gasoline
Lead Agency: Regional Board
Local Agency : 19060
Case Type: Other ground water affected
Status: Preliminary site assessment underway
Review Date: Not reported
Workplan: 5/28/03 0:00
Pollution Char: Not reported
Remed Action: Not reported
Monitoring: Not reported
Close Date: Not reported
Release Date: 11/06/2002
Cleanup Fund Id : Not reported
Discover Date : 08/26/2002
Enforcement Dt : Not reported
Enf Type: SEL
Enter Date : Not reported
Funding: Not reported
Staff Initials: Not reported
How Discovered: OM
How Stopped: Close Tank
Interim : Not reported
Leak Cause: Not reported
Leak Source: P,
MTBE Date : Not reported
Max MTBE GW : Not reported
MTBE Tested: Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.
Priority: Not reported
Local Case # : 0
Beneficial: Not reported
Staff : HDN
GW Qualifier : Not reported
Max MTBE Soil : Not reported
Soil Qualifier : Not reported
Hydr Basin #: Not reported

Confirm Leak: Not reported
Prelim Assess: 5/28/03 0:00
Remed Plan: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

MTA DIV. 12 (Continued)

S105692204

Operator : Not reported
Oversight Prgm: LUST
Review Date : Not reported
Stop Date : / /
Work Suspended :Not reported
Responsible Party:ROBERT WILLEY
RP Address: 3 HUTTON CENTRE DR., SUITE #20
Global Id: T0603757656
Org Name: Not reported
Contact Person: Not reported
MTBE Conc: Not reported
Mtbe Fuel: Not reported
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported

LUST Region 4:

Report Date: 11/06/2002
Lead Agency: Regional Board
Local Agency: 19060
Substance: Gasoline
Case Type: Groundwater
Status: Preliminary site assessment underway
Region: 4
Staff: HDN
Date Case Last Changed on Database: Not reported
Date Leak Record Entered: Not reported
Historical Max MTBE Date: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil : Not reported
County: Los Angeles
Organization : Not reported
Regional Board: 4
Owner Contact: Not reported
Responsible Party: ROBERT WILLEY
RP Address: 3 HUTTON CENTRE DR., SUITE #20
Significant Interim Remedial Action Taken: Not reported
Program : LUST
Lat / Long : 0 / 0
Local Agency Staff: Not reported
Summary : Not reported
Hydrologic Basin # : Not reported
Beneficial Use : Not reported
Priority : Not reported
Cleanup Fund Id : Not reported
Suspended : Not reported
Local Case No : Not reported
Substance Quantity : 0
Abatement Method Used at the Site: Not reported
Operator : Not reported
Water System : Not reported
Well Name : Not reported
Approx. Dist To Production Well (ft) : Not reported
Assigned Name : Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

MTA DIV. 12 (Continued)

EDR ID Number
EPA ID Number

Database(s)

S105692204

Source of Cleanup Funding: Not reported
Date the Leak was Discovered: 08/26/2002
How the Leak was Discovered: OM
How the Leak was Stopped: Close Tank
Cause of Leak: Not reported
Leak Source: P,
Date The Leak was Stopped: Not reported
Date Confirmation Leak Began: Not reported
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: 5/28/03
Pollution Characterization Began: 11/6/02
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Date the Case was Closed: Not reported
Enforcement Action Date: Not reported
Date Leak First Reported: 11/06/2002
Enforcement Type: SEL
Global ID : T0603757656
Cross Street: Not reported

R81
South
1/4-1/2
2331 ft.

LA CO METRO TRANS AUTH DIV 12
970 W CHESTER PL
LONG BEACH, CA 90813

CA WDS 1006825733
EMI N/A

Site 2 of 2 in cluster R

Relative:
Equal

WDS:

Actual:
12 ft.

Facility ID: 4 19I000497
Facility Contact LAURY, VICTOR
SIC Code: Not reported
Agency Name: LA CO METRO TRANS AUTH
Agency Address: 1 Gateway Plz
Los Angeles 90012 - 2952
Agency Contact: URBAN, BEN
Design Flow: Not reported
Facility Type: Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
Agency Type: ?
Waste Type: Not reported
Threat to Water: Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity: Category C - Facilities having no waste treatment systems, such as cooling water dischargers or those who must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.
Reclamation: Not reported
POTW: Not reported
NPDES Number: CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion: 4

Facility Telephone (213) 922-4730
SIC Code 2: Not reported

Agency Phone: (213) 922-4714
Baseline Flow: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

LA CO METRO TRANS AUTH DIV 12 (Continued)

EDR ID Number
EPA ID Number

Database(s)

1006825733

EMISSIONS :

Facility ID : 43755
Air District Code : SC
SIC Code : 4131
Total Priority Score : Not reported
Health Risk Assessment : Not reported
Non-cancer Chronic Haz Index : Not reported
Non-cancer Acute Haz Index : Not reported
Air Basin : SC
Air District Name : SOUTH COAST AQMD
Community Health Air Pollution Info System : Not reported
Consolidated Emission Reporting Rule : Not reported
County Code : 19
County ID : 19

82
North
1/4-1/2
2379 ft.

GOODWILL INDUSTRIES
800 PACIFIC COAST HWY W
LONG BEACH, CA 90806

HAZNET S101296782
LUST N/A
Cortese

Relative:
Higher

State LUST:

Actual:
14 ft.

Cross Street: Not reported
Qty Leaked: 0
Case Number: 908061070
Reg Board: 4
Chemical: Diesel
Lead Agency: Regional Board
Local Agency : 19060
Case Type: Other ground water affected
Status: Case Closed
Review Date: Not reported
Workplan: Not reported
Pollution Char: Not reported
Remed Action: Not reported
Monitoring: Not reported
Close Date: 5/7/98 0:00
Release Date: 03/14/1991
Cleanup Fund Id : Not reported
Discover Date : / /
Enforcement Dt : 11/7/97 0:00
Enf Type: EF
Enter Date : 3/8/91 0:00
Funding: Not reported
Staff Initials: Not reported
How Discovered: Not reported
How Stopped: Not reported
Interim : Not reported
Leak Cause: UNK
Leak Source: UNK
MTBE Date : 1/1/65 0:00
Max MTBE GW : 16 Parts per Billion
MTBE Tested: MTBE Detected. Site tested for MTBE & MTBE detected
Priority: Not reported
Local Case # : 0
Beneficial: Not reported
Staff : DK
GW Qualifier : Not reported
Max MTBE Soil : Not reported

Confirm Leak: Not reported
Prelim Assess: Not reported
Remed Plan: Not reported

S101296782

Soil Qualifier : Not reported
Hydr Basin #: SAN FERNANDO VALLEY
Operator : OLD CASE #032091-01
Oversight Prgm: LUST
Review Date : 7/7/98 0:00
Stop Date : / /
Work Suspended :Not reported
Responsible Party:GOODWILL INDUSTRIES
RP Address: 800 W. PACIFIC COAST HIGHWAY, LONG BEACH, CA 90806
Global Id: T0603701839
Org Name: Not reported
Contact Person: Not reported
MTBE Conc: Not reported
Mtbe Fuel: Not reported
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported

LUST Region 4:

Report Date: 03/14/1991
Lead Agency: Regional Board
Local Agency: 19060
Substance: Diesel
Case Type: Groundwater
Status: Case Closed
Region: 4
Staff: DK
Date Case Last Changed on Database:
Date Leak Record Entered:
Historical Max MTBE Date:
GW Qualifier:
Soil Qualifier:
Hist Max MTBE Conc in Groundwater:
Hist Max MTBE Conc in Soil :
County:
Organization :
Regional Board:
Owner Contact: Not reported
Responsible Party:
RP Address:
Significant Interim Remedial Action Taken:
Program :
Lat / Long :
Local Agency Staff:
Summary :

Hydrologic Basin # :
Beneficial Use :
Priority :
Cleanup Fund Id :
Suspended :
Local Case No :
Substance Quantity :

7/7/98
3/8/91
1/1/65
Not reported
Not reported
16
Not reported
Los Angeles
Not reported
4

GOODWILL INDUSTRIES
800 W. PACIFIC COAST HIGHWAY, LONG BEACH, CA 90806
Not reported
LUST
34 / -118
Not reported
08/28/97 - GW MON RPT INVESTIGATION
12/02/97 - QTRLY MON RPT 1997
04/28/98 - QTRLY MON RPT 1998
07/07/98 - WELL

ABANDONMENT
SAN FERNANDO VALLEY
Not reported
Not reported
Not reported
Not reported
Not reported
0

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

GOODWILL INDUSTRIES (Continued)

EDR ID Number
EPA ID Number

Database(s)

S101296782

Abatement Method Used at the Site: Not reported
Operator : OLD CASE #032091-01
Water System : Not reported
Well Name : Not reported
Approx. Dist To Production Well (ft) : 14538.07656
Assigned Name : Not reported
Source of Cleanup Funding: Not reported
Date the Leak was Discovered: / /
How the Leak was Discovered: Not reported
How the Leak was Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Date The Leak was Stopped: Not reported
Date Confirmation Leak Began: Not reported
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: 7/1/97
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Date the Case was Closed: 5/7/98
Enforcement Action Date: 11/7/97
Date Leak First Reported: 03/14/1991
Enforcement Type: EF
Global ID : T0603701839
Cross Street: Not reported

HAZNET:

Gepaid: CAC002550159
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: 99
Tons: 0.50
Waste Category: Asbestos-containing waste
Disposal Method: Not reported
Contact: john rhyze
Telephone: (562) 435-0094
Mailing Address: 1140 e ocean blvd
long beach, CA 90802
County: Not reported

CORTESE:

Region: CORTESE
Fac Address 2: 800 PACIFIC COAST HWY W

**83
NW
1/4-1/2
2380 ft.**

**NATIONAL PLANT SERVICES
1364 016TH
LONG BEACH, CA 90813**

**LUST S105032798
Cortese N/A**

**Relative:
Equal**

State LUST:

**Actual:
12 ft.**

Cross Street: HARBOR
Qty Leaked: 0
Case Number 908130143
Reg Board: 4
Chemical: Gasoline
Lead Agency: Regional Board
Local Agency : 19060
Case Type: Other ground water affected
Status: Case Closed
Abate Method: Excavate and Dispose - remove contaminated soil and dispose in approved site

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

NATIONAL PLANT SERVICES (Continued)

S105032798

Review Date:	Not reported	Confirm Leak:	Not reported
Workplan:	Not reported	Prelim Assess:	Not reported
Pollution Char:	Not reported	Remed Plan:	Not reported
Remed Action:	Not reported		
Monitoring:	Not reported		
Close Date:	5/29/96 0:00		
Release Date:	08/19/1987		
Cleanup Fund Id :	Not reported		
Discover Date :	/ /		
Enforcement Dt :	Not reported		
Enf Type:	Not reported		
Enter Date :	3/10/88 0:00		
Funding:	Not reported		
Staff Initials:	Not reported		
How Discovered:	Not reported		
How Stopped:	Not reported		
Interim :	Yes		
Leak Cause:	Not reported		
Leak Source:	Not reported		
MTBE Date :	Not reported		
Max MTBE GW :	Not reported		
MTBE Tested:	Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.		
Priority:	Not reported		
Local Case # :	0		
Beneficial:	Not reported		
Staff :	UNK		
GW Qualifier :	Not reported		
Max MTBE Soil :	Not reported		
Soil Qualifier :	Not reported		
Hydr Basin #:	SAN FERNANDO VALLEY		
Operator :	Not reported		
Oversight Prgm:	LUST		
Review Date :	5/22/96 0:00		
Stop Date :	/ /		
Work Suspended :	Not reported		
Responsible Party:	NATIONAL PLANT SERVICES		
RP Address:	1461 HARBOR AVE, LONG BEACH, CA 90813		C
Global Id:	T0603701928		
Org Name:	Not reported		
Contact Person:	Not reported		
MTBE Conc:	Not reported		
Mtbe Fuel:	Not reported		
Water System Name:	Not reported		
Well Name:	Not reported		
Distance To Lust:	0		
Waste Discharge Global ID:	Not reported		
Waste Disch Assigned Name:	Not reported		

LUST Region 4:

Report Date:	08/19/1987
Lead Agency:	Regional Board
Local Agency:	19060
Substance:	Gasoline
Case Type:	Groundwater
Status:	Case Closed
Region:	4
Staff:	UNK
Date Case Last Changed on Database:	5/22/96

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

NATIONAL PLANT SERVICES (Continued)

S105032798

Date Leak Record Entered:	3/10/88	
Historical Max MTBE Date:	Not reported	
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Hist Max MTBE Conc in Groundwater:	Not reported	
Hist Max MTBE Conc in Soil :	Not reported	
County:	Los Angeles	
Organization :	Not reported	
Regional Board:	4	
Owner Contact:	Not reported	
Responsible Party:	NATIONAL PLANT SERVICES	
RP Address:	1461 HARBOR AVE, LONG BEACH, CA 90813	C
Significant Interim Remedial Action Taken:	Yes	
Program :	LUST	
Lat / Long :	34 / -118	
Local Agency Staff:	Not reported	
Summary :	THREE TANKS REMOVED. GROUND WATER CONTAMINATION IS LOCALIZED	
Hydrologic Basin # :	SAN FERNANDO VALLEY	
Beneficial Use :	Not reported	
Priority :	Not reported	
Cleanup Fund Id :	Not reported	
Suspended :	Not reported	
Local Case No :	Not reported	
Substance Quantity :	0	
Abatement Method Used at the Site:	Excavate and Dispose	
Operator :	Not reported	
Water System :	Not reported	
Well Name :	Not reported	
Approx. Dist To Production Well (ft) :	16096.10834	
Assigned Name :	Not reported	
Source of Cleanup Funding:	Not reported	
Date the Leak was Discovered:	/ /	
How the Leak was Discovered:	Not reported	
How the Leak was Stopped:	Not reported	
Cause of Leak:	Not reported	
Leak Source:	Not reported	
Date The Leak was Stopped:	Not reported	
Date Confirmation Leak Began:	Not reported	
Preliminary Site Assessment Workplan Submitted:	Not reported	
Preliminary Site Assessment Began:	Not reported	
Pollution Characterization Began:	3/18/88	
Remediation Plan Submitted:	Not reported	
Remedial Action Underway:	Not reported	
Post Remedial Action Monitoring Began:	Not reported	
Date the Case was Closed:	5/29/96	
Enforcement Action Date:	Not reported	
Date Leak First Reported:	08/19/1987	
Enforcement Type:	Not reported	
Global ID :	T0603701928	
Cross Street:	HARBOR	

CORTESE:

Region:	CORTESE
Fac Address 2:	Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

84
SW
1/4-1/2
2394 ft.
TIDELAND OIL
1348 009TH
LONG BEACH, CA 90813

CA SLIC **S103546764**
N/A

Relative: SLIC Region 4:
Higher Facility Status: Closure
Region: 4
Actual: SLIC 0603D
16 ft. Staff: GJH
Substance: TPH

85
West
1/4-1/2
2459 ft.
COMMERCIAL TRUCK BODIES
1468 014TH ST W
LONG BEACH, CA 90813

LUST **S101296839**
Cortese **N/A**

Relative: State LUST:
Lower Cross Street: CASPIAN
Qty Leaked: 0
Actual: Case Number 908130089
9 ft. Reg Board: 4
Chemical: Gasoline
Lead Agency: Regional Board
Local Agency : 19060
Case Type: Other ground water affected
Status: Remediation Plan
Abate Method: Remove Free Product - remove floating product from water table
Review Date: Not reported Confirm Leak: Not reported
Workplan: Not reported Prelim Assess: Not reported
Pollution Char: 12/13/01 0:00 Remed Plan: 12/13/01 0:00
Remed Action: Not reported
Monitoring: 10/29/84 0:00
Close Date: Not reported
Release Date: 10/29/1984
Cleanup Fund Id : Not reported
Discover Date : / /
Enforcement Dt : Not reported
Enf Type: LET
Enter Date : 12/31/86 0:00
Funding: Not reported
Staff Initials: Not reported
How Discovered: Not reported
How Stopped: Not reported
Interim : Yes
Leak Cause: UNK
Leak Source: UNK
MTBE Date : 5/25/01 0:00
Max MTBE GW : 2020 Parts per Billion
MTBE Tested: MTBE Detected. Site tested for MTBE & MTBE detected
Priority: Not reported
Local Case # : 0
Beneficial: Not reported
Staff : HSP
GW Qualifier : Not reported
Max MTBE Soil : Not reported
Soil Qualifier : Not reported
Hydr Basin #: SAN FERNANDO VALLEY
Operator : Not reported
Oversight Prgm: LUST
Review Date : 6/24/02 0:00

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

COMMERCIAL TRUCK BODIES (Continued)

S101296839

Stop Date : / /
Work Suspended :Not reported
Responsible Party:MR. RICHARD T. SMITH
RP Address: 350 YELLOW ROSE DR.
Global Id: T0603701923
Org Name: Not reported
Contact Person: Not reported
MTBE Conc: Not reported
Mtbe Fuel: Not reported
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported

LUST Region 4:

Report Date: 10/29/1984
Lead Agency: Regional Board
Local Agency: 19060
Substance: Gasoline
Case Type: Groundwater
Status: Remediation Plan
Region: 4
Staff: HSP
Date Case Last Changed on Database:
Date Leak Record Entered:
Historical Max MTBE Date:
GW Qualifier:
Soil Qualifier:
Hist Max MTBE Conc in Groundwater:
Hist Max MTBE Conc in Soil :
County:
Organization :
Regional Board:
Owner Contact: Not reported
Responsible Party:
RP Address:
Significant Interim Remedial Action Taken:
Program :
Lat / Long :
Local Agency Staff:
Summary :

Hydrologic Basin # :
Beneficial Use :
Priority :
Cleanup Fund Id :
Suspended :
Local Case No :
Substance Quantity :
Abatement Method Used at the Site:
Operator :
Water System :
Well Name :
Approx. Dist To Production Well (ft) :
Assigned Name :
Source of Cleanup Funding:
Date the Leak was Discovered:

6/24/02
12/31/86
5/25/01
Not reported
Not reported
2020
Not reported
Los Angeles
Not reported
4

MR. RICHARD T. SMITH
350 YELLOW ROSE DR.
Yes
LUST
34 / -118
Not reported
8/7/00 GW MON RPT; 1/18/01 SUBSURFACE SOIL AND GW
ASSESSMENT RPT
SAN FERNANDO VALLEY
Not reported
Not reported
Not reported
Not reported
Not reported
0
Remove Free Product
Not reported
Not reported
Not reported
17022.97908
Not reported
Not reported
/ /

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

COMMERCIAL TRUCK BODIES (Continued)

EDR ID Number
EPA ID Number

Database(s)

S101296839

How the Leak was Discovered: Not reported
How the Leak was Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Date The Leak was Stopped: Not reported
Date Confirmation Leak Began: Not reported
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: 11/19/01
Remediation Plan Submitted: 12/13/01
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: 10/29/84
Date the Case was Closed: Not reported
Enforcement Action Date: Not reported
Date Leak First Reported: 10/29/1984
Enforcement Type: LET
Global ID : T0603701923
Cross Street: CASPIAN

CORTESE:

Region: CORTESE
Fac Address 2: 1468 014TH ST W

86
NW
1/4-1/2
2493 ft.

MARINE HARDWARE CO
1322 017TH ST W
LONG BEACH, CA 90813

LUST
Cortese
S104406360
N/A

Relative:
Equal

Actual:
12 ft.

State LUST:

Cross Street: Not reported
Qty Leaked: 0
Case Number 908130516
Reg Board: 4
Chemical: Hydrocarbons
Lead Agency: Regional Board
Local Agency : 19060
Case Type: Other ground water affected
Status: Remediation Plan
Review Date: Not reported
Workplan: 10/15/90 0:00
Pollution Char: 8/19/02 0:00
Remed Action: Not reported
Monitoring: 10/15/90 0:00
Close Date: Not reported
Release Date: 10/15/1990
Cleanup Fund Id : Not reported
Discover Date : 10/15/1990
Enforcement Dt : Not reported
Enf Type: SEL
Enter Date : 12/13/90 0:00
Funding: Not reported
Staff Initials: Not reported
How Discovered: Not reported
How Stopped: Not reported
Interim : Not reported
Leak Cause: Not reported
Leak Source: Not reported
MTBE Date : 1/1/65 0:00
Max MTBE GW : 370 Parts per Billion

Confirm Leak: Not reported
Prelim Assess: 10/15/90 0:00
Remed Plan: 8/19/02 0:00

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

MARINE HARDWARE CO (Continued)

S104406360

MTBE Tested: MTBE Detected. Site tested for MTBE & MTBE detected
Priority: Not reported
Local Case # : 0
Beneficial: Not reported
Staff : HDN
GW Qualifier : Not reported
Max MTBE Soil : Not reported
Soil Qualifier : Not reported
Hydr Basin #: SAN FERNANDO VALLEY
Operator : Not reported
Oversight Prgm: LUST
Review Date : 8/15/02 0:00
Stop Date : / /
Work Suspended :Not reported
Responsible Party:FRANK BRANNEN
RP Address: 345 N. 17TH ST.
Global Id: T0603701962
Org Name: Not reported
Contact Person: Not reported
MTBE Conc: Not reported
Mtb Fuel: Not reported
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported

LUST Region 4:

Report Date: 10/15/1990
Lead Agency: Regional Board
Local Agency: 19060
Substance: Hydrocarbons
Case Type: Groundwater
Status: Remediation Plan
Region: 4
Staff: HDN
Date Case Last Changed on Database:
Date Leak Record Entered:
Historical Max MTBE Date:
GW Qualifier:
Soil Qualifier:
Hist Max MTBE Conc in Groundwater:
Hist Max MTBE Conc in Soil :
County:
Organization :
Regional Board:
Owner Contact: Not reported
Responsible Party:
RP Address:
Significant Interim Remedial Action Taken:
Program :
Lat / Long :
Local Agency Staff:
Summary :

8/15/02
12/13/90
1/1/65
Not reported
Not reported
370
Not reported
Los Angeles
Not reported
4
FRANK BRANNEN
345 N. 17TH ST.
Not reported
LUST
34 / -118
Not reported
PLEASE REFER TO 1650 HARBOR AVE. FOR ADD'L INFO.
08/20/97 GW MON & SAMPLING RPT-2ND 97; 10/14/97 GW
MON & SAMPLING RPT-3RD 97; 10/19/98 GW MON
SEPTEMBER 1998
SAN FERNANDO VALLEY

Hydrologic Basin # :

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

MARINE HARDWARE CO (Continued)

S104406360

Beneficial Use : Not reported
Priority : Not reported
Cleanup Fund Id : Not reported
Suspended : Not reported
Local Case No : Not reported
Substance Quantity : 0
Abatement Method Used at the Site: Not reported
Operator : Not reported
Water System : Not reported
Well Name : Not reported
Approx. Dist To Production Well (ft) : 15919.67335
Assigned Name : Not reported
Source of Cleanup Funding: Not reported
Date the Leak was Discovered: 10/15/1990
How the Leak was Discovered: Not reported
How the Leak was Stopped: Not reported
Cause of Leak: Not reported
Leak Source: Not reported
Date The Leak was Stopped: Not reported
Date Confirmation Leak Began: Not reported
Preliminary Site Assessment Workplan Submitted: 10/15/90
Preliminary Site Assessment Began: 10/15/90
Pollution Characterization Began: 11/25/98
Remediation Plan Submitted: 8/19/02
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: 10/15/90
Date the Case was Closed: Not reported
Enforcement Action Date: Not reported
Date Leak First Reported: 10/15/1990
Enforcement Type: SEL
Global ID : T0603701962
Cross Street: Not reported

CORTESE:

Region: CORTESE
Fac Address 2: 1322 017TH ST W

87 PLASTIC PAINT PRODUCTION INC
WNW 1471 W 15TH ST
1/4-1/2 LONG BEACH, CA 90813
2540 ft.

HAZNET S103982066
EMI N/A

Relative:
Lower

HAZNET:
Gepaid: CAD983614074
TSD EPA ID: CAD089446710
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .2500
Waste Category: Paint sludge
Disposal Method: Transfer Station
Contact: WALTER RESTREPO
Telephone: (000) 000-0000
Mailing Address: 1471 W 15TH ST
 LONG BEACH, CA 90813
County Los Angeles

Actual:
10 ft.

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

PLASTIC PAINT PRODUCTION INC (Continued)

S103982066

Gepaid: CAD983614074
TSD EPA ID: CAD008302903
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .4587
Waste Category: Unspecified organic liquid mixture
Disposal Method: Recycler
Contact: WALTER RESTREPO
Telephone: (000) 000-0000
Mailing Address: 1471 W 15TH ST
LONG BEACH, CA 90813
County Los Angeles

Gepaid: CAD983614074
TSD EPA ID: CAD089446710
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .6255
Waste Category: Paint sludge
Disposal Method: Transfer Station
Contact: WALTER RESTREPO
Telephone: (000) 000-0000
Mailing Address: 1471 W 15TH ST
LONG BEACH, CA 90813
County Los Angeles

Gepaid: CAD983614074
TSD EPA ID: CAD000088252
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .6255
Waste Category: Paint sludge
Disposal Method: Not reported
Contact: WALTER RESTREPO
Telephone: (000) 000-0000
Mailing Address: 1471 W 15TH ST
LONG BEACH, CA 90813
County Los Angeles

EMISSIONS :

Facility ID : 85245
Air District Code : SC
SIC Code : 3089
Total Priority Score : Not reported
Health Risk Assessment : Not reported
Non-cancer Chronic Haz Index : Not reported
Non-cancer Acute Haz Index : Not reported
Air Basin : SC
Air District Name : SOUTH COAST AQMD
Community Health Air Pollution Info System : Not reported
Consolidated Emission Reporting Rule : Not reported
County Code : 19
County ID : 19

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

88
NNE
1/4-1/2
2556 ft.

LA MIRAGE INN
701 PACIFIC COAST HWY W
LONG BEACH, CA 90262

Database(s) EDR ID Number
EPA ID Number

LUST S101296781
Cortese N/A

Relative:
Equal

State LUST:

Actual:
12 ft.

Cross Street: MAINE
Qty Leaked: 0
Case Number: 908060089
Reg Board: 4
Chemical: Gasoline
Lead Agency: Regional Board
Local Agency : 19060
Case Type: Other ground water affected
Status: Case Closed
Abate Method: Excavate and Treat - remove contaminated soil and treat (includes spreading or land farming), Pump and Treat Ground Water - generally employed to remove dissolved contaminants

Review Date: Not reported Confirm Leak: Not reported
Workplan: Not reported Prelim Assess: Not reported
Pollution Char: Not reported Remed Plan: Not reported
Remed Action: 3/2/90 0:00
Monitoring: 4/4/97 0:00
Close Date: 8/28/97 0:00
Release Date: 06/07/1988
Cleanup Fund Id : Not reported
Discover Date : 03/03/1988
Enforcement Dt : Not reported
Enf Type: Not reported
Enter Date : 6/10/88 0:00
Funding: Not reported
Staff Initials: Not reported
How Discovered: Not reported
How Stopped: Not reported
Interim : Yes
Leak Cause: Not reported
Leak Source: Not reported
MTBE Date : 1/1/65 0:00
Max MTBE GW : 8 Parts per Billion
MTBE Tested: MTBE Detected. Site tested for MTBE & MTBE detected
Priority: Not reported
Local Case # : 0
Beneficial: Not reported
Staff : JH
GW Qualifier : Not reported
Max MTBE Soil : Not reported
Soil Qualifier : Not reported
Hydr Basin #: SAN FERNANDO VALLEY
Operator : Not reported
Oversight Prgm: LUST
Review Date : 9/30/97 0:00
Stop Date : / /
Work Suspended :Not reported
Responsible Party:BLANK RP
RP Address: 12841 WASHINGTON BLVD., LOS ANGELES, CA 90066
Global Id: T0603701827
Org Name: Not reported
Contact Person: Not reported
MTBE Conc: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

LA MIRAGE INN (Continued)

S101296781

Mtbe Fuel: Not reported
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported

LUST Region 4:

Report Date: 06/07/1988
Lead Agency: Regional Board
Local Agency: 19060
Substance: Gasoline
Case Type: Groundwater
Status: Case Closed
Region: 4
Staff: JH

Date Case Last Changed on Database: 9/30/97
Date Leak Record Entered: 6/10/88
Historical Max MTBE Date: 1/1/65
GW Qualifier: Not reported
Soil Qualifier: Not reported
Hist Max MTBE Conc in Groundwater: 8
Hist Max MTBE Conc in Soil : Not reported
County: Los Angeles
Organization : Not reported
Regional Board: 4
Owner Contact: Not reported
Responsible Party: BLANK RP
RP Address: 12841 WASHINGTON BLVD., LOS ANGELES, CA 90066
Significant Interim Remedial Action Taken: Yes
Program : LUST
Lat / Long : 34 / -118
Local Agency Staff: Not reported
Summary : TANKS REMOVED GROUND WATER UNDER ENTIRE SITE
CONTAMINATED. OFFSITE ASSESSMENT APPROVED.
6/25/97 QTR GW MON RPT

Hydrologic Basin # : (2ND QTR 97)
Beneficial Use : SAN FERNANDO VALLEY
Priority : Not reported
Cleanup Fund Id : Not reported
Suspended : Not reported
Local Case No : Not reported
Substance Quantity : 0
Abatement Method Used at the Site: ETGT
Operator : Not reported
Water System : Not reported
Well Name : Not reported
Approx. Dist To Production Well (ft) : 14162.45433
Assigned Name : Not reported
Source of Cleanup Funding: Not reported
Date the Leak was Discovered: 03/03/1988
How the Leak was Discovered: Not reported
How the Leak was Stopped: Not reported
Cause of Leak: Not reported
Leak Source: Not reported
Date The Leak was Stopped: Not reported
Date Confirmation Leak Began: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

LA MIRAGE INN (Continued)

EDR ID Number
EPA ID Number

Database(s)

S101296781

Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: 2/16/89
Remediation Plan Submitted: Not reported
Remedial Action Underway: 3/2/90
Post Remedial Action Monitoring Began: 4/4/97
Date the Case was Closed: 8/28/97
Enforcement Action Date: Not reported
Date Leak First Reported: 06/07/1988
Enforcement Type: Not reported
Global ID : T0603701827
Cross Street: MAINE

CORTESE:

Region: CORTESE
Fac Address 2: 701 PACIFIC COAST HWY W

89
SW
1/2-1
2798 ft.

1300 PIER B ST
LONG BEACH, CA 25266

CHMIRS S105659749
EMI N/A

Relative:
Lower

CHMIRS:

Actual:
11 ft.

OES Control Number: 99-4109
Chemical Name: Crude Oil
Extent of Release: Not reported
Property Use: Not reported
Incident Date: Not reported
Date Completed: Not reported
Time Completed : Not reported
Agency Id Number : Not reported
Agency Incident Number : Not reported
OES Incident Number : 99-4109
Time Notified : Not reported
Surrounding Area : Not reported
Estimated Temperature : Not reported
Property Management : Not reported
More Than Two Substances Involved? : Not reported
Special Studies 1 : Not reported
Special Studies 2 : Not reported
Special Studies 3 : Not reported
Special Studies 4 : Not reported
Special Studies 5 : Not reported
Special Studies 6 : Not reported
Responding Agency Personel # Of Injuries : 0
Responding Agency Personel # Of Fatalities : 0
Resp Agency Personel # Of Decontaminated : Not reported
Others Number Of Decontaminated : Not reported
Others Number Of Injuries : Not reported
Others Number Of Fatalities : Not reported
Vehicle Make/year : Not reported
Vehicle License Number : Not reported
Vehicle State : Not reported
Vehicle Id Number : Not reported
CA/DOT/PUC/ICC Number : Not reported
Company Name : Not reported
Reporting Officer Name/ID : Not reported
Report Date : Not reported
Comments : Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s)
 EDR ID Number
 EPA ID Number

(Continued)		S105659749
Facility Telephone Number :	Not reported	
Waterway Involved :	No	
Waterway :	Not reported	
Spill Site :	Other	
Cleanup By :	Reporting Party	
Containment :	Yes	
What Happened :	Flange leak on an insulating kit. Line 73 inside the Marine Terminal. Did not enter a waterway	
Type :	PETROLEUM	
Other :	Not reported	
Chemical 1 :	Not Reported	
Chemical 2 :	Not Reported	
Chemical 3 :	Not Reported	
Date/Time :	9/28/99 1100	
Evacuations :	0	
OES Control Number:	01-2683	
Chemical Name:	Gasoline	
Extent of Release:	Not reported	
Property Use:	Not reported	
Incident Date:	Not reported	
Date Completed:	Not reported	
Time Completed :	Not reported	
Agency Id Number :	Not reported	
Agency Incident Number :	Not reported	
OES Incident Number :	01-2683	
Time Notified :	Not reported	
Surrounding Area :	Not reported	
Estimated Temperature :	Not reported	
Property Management :	Not reported	
More Than Two Substances Involved? :	Not reported	
Special Studies 1 :	Not reported	
Special Studies 2 :	Not reported	
Special Studies 3 :	Not reported	
Special Studies 4 :	Not reported	
Special Studies 5 :	Not reported	
Special Studies 6 :	Not reported	
Responding Agency Personel # Of Injuries :	0	
Responding Agency Personel # Of Fatalities :	0	
Resp Agncy Personel # Of Decontaminated :	Not reported	
Others Number Of Decontaminated :	Not reported	
Others Number Of Injuries :	Not reported	
Others Number Of Fatalities :	Not reported	
Vehicle Make/year :	Not reported	
Vehicle License Number :	Not reported	
Vehicle State :	Not reported	
Vehicle Id Number :	Not reported	
CA/DOT/PUC/ICC Number :	Not reported	
Company Name :	Not reported	
Reporting Officer Name/ID :	Not reported	
Report Date :	Not reported	
Comments :	Not reported	
Facility Telephone Number :	Not reported	
Waterway Involved :	No	
Waterway :	Not reported	
Spill Site :	Other	
Cleanup By :	Reporting Party	
Containment :	Yes	

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

S105659749

What Happened : Maintenance workers were working on a relief valve and a nipple broke off causing the release into a containment area.

Type : PETROLEUM

Other : Not reported

Chemical 1 : Not Reported

Chemical 2 : Not Reported

Chemical 3 : Not Reported

Date/Time : 5/9/01 1015

Evacuations : 0

EMISSIONS :

Facility ID : 800052

Air District Code : SC

SIC Code : 5171

Total Priority Score : Not reported

Health Risk Assessment : Not reported

Non-cancer Chronic Haz Index : Not reported

Non-cancer Acute Haz Index : Not reported

Air Basin : SC

Air District Name : SOUTH COAST AQMD

Community Health Air Pollution Info System : Y

Consolidated Emission Reporting Rule : B

County Code : 19

County ID : 19

90
West
1/2-1
2822 ft.

CAL BUMPER COMPANY INC
1555 W ANAHEIM STREET
LONG BEACH, CA 90813

HAZNET **S103633060**
CA WDS **N/A**
EMI

Relative:
Lower

HAZNET:

Gepaid: CAD030862742

TSD EPA ID: CAT080033681

Gen County: Los Angeles

Tsd County: Los Angeles

Tons: 3.7500

Waste Category: Other inorganic solid waste

Disposal Method: Recycler

Contact: CAL BUMPER COMPANY INC

Telephone: (562) 436-1205

Mailing Address: 1555 W ANAHEIM ST
LONG BEACH, CA 90813 - 2643

County: Los Angeles

Gepaid: CAD030862742

TSD EPA ID: AZD980735500

Gen County: Los Angeles

Tsd County: 99

Tons: 16.2500

Waste Category: Metal sludge - Alkaline solution (pH <UN-> 12.5) with metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc)

Disposal Method: Recycler

Contact: CAL BUMPER COMPANY INC

Telephone: (562) 436-1205

Mailing Address: 1555 W ANAHEIM ST
LONG BEACH, CA 90813 - 2643

County: Los Angeles

Actual:
8 ft.

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

CAL BUMPER COMPANY INC (Continued)

EDR ID Number
EPA ID Number

Database(s)

S103633060

Gepaid: CAD030862742
TSD EPA ID: CAD000088252
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .3750
Waste Category: Other inorganic solid waste
Disposal Method: Transfer Station
Contact: CAL BUMPER COMPANY INC
Telephone: (562) 436-1205
Mailing Address: 1555 W ANAHEIM ST
LONG BEACH, CA 90813 - 2643
County: Los Angeles

Gepaid: CAD030862742
TSD EPA ID: CAT080033681
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 20.4330
Waste Category: Aqueous solution (2 < pH < 12.5) containing reactive anions (azide, bromate, chlorate, cyanide, fluoride, hypochlorite, nitrite, perchlorate, and sulfide anions)
Disposal Method: Recycler
Contact: CAL BUMPER COMPANY INC
Telephone: (562) 436-1205
Mailing Address: 1555 W ANAHEIM ST
LONG BEACH, CA 90813 - 2643
County: Los Angeles

Gepaid: CAD030862742
TSD EPA ID: AZD980735500
Gen County: Los Angeles
Tsd County: 99
Tons: 5.0000
Waste Category: Metal sludge - Alkaline solution (pH <UN-> 12.5) with metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc)
Disposal Method: Not reported
Contact: CAL BUMPER COMPANY INC
Telephone: (562) 436-1205
Mailing Address: 1555 W ANAHEIM ST
LONG BEACH, CA 90813 - 2643
County: Los Angeles

The CA HAZNET database contains 8 additional records for this site.
For more information, please click [here](#) while viewing on your computer,
or contact your EDR Account Executive.

WDS:

Facility ID:	4 19I004922	Facility Telephone	(562) 436-1203
Facility Contact	ROBERT COSTANZA	SIC Code 2:	Not reported
SIC Code:	Not reported		
Agency Name:	CAL BUMPER CO INC		
Agency Address:	1555 W Anaheim St Long Beach 90813 - 2697		
Agency Contact:	ROBERT COSTANZA	Agency Phone:	(562) 436-1203
Design Flow:	Not reported	Baseline Flow:	Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

CAL BUMPER COMPANY INC (Continued)

S103633060

Facility Type: Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.

Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.

Agency Type: Private

Waste Type: Not reported

Threat to Water: Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.

Complexity: Category C - Facilities having no waste treatment systems, such as cooling water dischargers or those who must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

Reclamation: Not reported

POTW: Not reported

NPDES Number: CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board

Subregion: 4

EMISSIONS :

Facility ID : 8724

Air District Code : SC

SIC Code : 3471

Total Priority Score : Not reported

Health Risk Assessment : Not reported

Non-cancer Chronic Haz Index : Not reported

Non-cancer Acute Haz Index : Not reported

Air Basin : SC

Air District Name : SOUTH COAST AQMD

Community Health Air Pollution Info System : Not reported

Consolidated Emission Reporting Rule : Not reported

County Code : 19

County ID : 19

**91
NW
1/2-1
2876 ft.**

**CUSTOM FIBERGLASS MFG CO/CUSTOM HARDTOP
1700-68 HARBOR AV
LONG BEACH, CA 90813**

**EMI S105937410
N/A**

**Relative:
Equal**

EMISSIONS :

Facility ID : 7949

Air District Code : SC

SIC Code : 3714

Total Priority Score : Not reported

Health Risk Assessment : 2.5

Non-cancer Chronic Haz Index : Not reported

Non-cancer Acute Haz Index : 0

Air Basin : SC

Air District Name : SOUTH COAST AQMD

Community Health Air Pollution Info System : Y

Consolidated Emission Reporting Rule : B

County Code : 19

County ID : 19

**Actual:
12 ft.**

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

92
WNW
1/2-1
3247 ft.

DION & SONS INC
1569 016TH ST W
LONG BEACH, CA 90813

LUST
Cortese
REF
EMI

S100868345
N/A

Relative:
Lower

State LUST:

Actual:
10 ft.

Cross Street: Not reported
Qty Leaked: 0
Case Number: 908130207
Reg Board: 4
Chemical: Gasoline
Lead Agency: Regional Board
Local Agency : 19060
Case Type: Other ground water affected
Status: Case Closed
Abate Method: Remove Free Product - remove floating product from water table
Review Date: Not reported
Workplan: Not reported
Pollution Char: Not reported
Remed Action: Not reported
Monitoring: Not reported
Close Date: 7/17/96 0:00
Release Date: 02/02/1992
Cleanup Fund Id : Not reported
Discover Date : / /
Enforcement Dt : Not reported
Enf Type: Not reported
Enter Date : 6/8/92 0:00
Funding: Not reported
Staff Initials: Not reported
How Discovered: Not reported
How Stopped: Not reported
Interim : Yes
Leak Cause: UNK
Leak Source: UNK
MTBE Date : Not reported
Max MTBE GW : Not reported
MTBE Tested: Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.
Priority: Not reported
Local Case # : 0
Beneficial: Not reported
Staff : UNK
GW Qualifier : Not reported
Max MTBE Soil : Not reported
Soil Qualifier : Not reported
Hydr Basin #: SAN FERNANDO VALLEY
Operator : DION MICHELL O III
Oversight Prgm: LUST
Review Date : 8/7/96 0:00
Stop Date : / /
Work Suspended :Not reported
Responsible Party:DION & SONS, INCORPORATED
RP Address: 1569 16TH ST, LONG BEACH CA 90813
Global Id: T0603701933
Org Name: Not reported
Contact Person: Not reported
MTBE Conc: Not reported
Mtbe Fuel: Not reported
Water System Name: Not reported

Confirm Leak: Not reported
Prelim Assess: Not reported
Remed Plan: Not reported

D

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

DION & SONS INC (Continued)

EDR ID Number
EPA ID Number

Database(s)

S100868345

Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported

LUST Region 4:

Report Date: 02/02/1992
Lead Agency: Regional Board
Local Agency: 19060
Substance: Gasoline
Case Type: Groundwater
Status: Case Closed
Region: 4
Staff: UNK

Date Case Last Changed on Database: 8/7/96
Date Leak Record Entered: 6/8/92
Historical Max MTBE Date: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil : Not reported
County: Los Angeles
Organization : Not reported
Regional Board: 4

Owner Contact: Not reported

Responsible Party: DION & SONS, INCORPORATED
RP Address: 1569 16TH ST, LONG BEACH CA 90813

D

Significant Interim Remedial Action Taken: Yes
Program : LUST
Lat / Long : 34 / -118
Local Agency Staff: Not reported
Summary : Not reported
Hydrologic Basin # : SAN FERNANDO VALLEY
Beneficial Use : Not reported
Priority : Not reported
Cleanup Fund Id : Not reported
Suspended : Not reported
Local Case No : Not reported
Substance Quantity : 0
Abatement Method Used at the Site: Remove Free Product
Operator : DION MICHELL O III
Water System : Not reported
Well Name : Not reported
Approx. Dist To Production Well (ft) : 15576.01955
Assigned Name : Not reported
Source of Cleanup Funding: Not reported
Date the Leak was Discovered: / /
How the Leak was Discovered: Not reported
How the Leak was Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Date The Leak was Stopped: Not reported
Date Confirmation Leak Began: Not reported
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: 5/29/92
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

DION & SONS INC (Continued)

S100868345

Post Remedial Action Monitoring Began: Not reported
Date the Case was Closed: 7/17/96
Enforcement Action Date: Not reported
Date Leak First Reported: 02/02/1992
Enforcement Type: Not reported
Global ID : T0603701933
Cross Street: Not reported

REF:

Facility ID 19290263
Dtsc Region Code : 4
Region Code Definition : CYPRESS
County Code : 19
Site Name Under : Not reported
Current Status Date : 06201995
Current Status Code : REFRW
Current Status : PROPERTY/SITE REFERRED TO RWQCB
Lead Agency Code : Not reported
Lead Agency : N/A
Site Type Code : Not reported
Site Type : N/A
National Priorities List : Not reported
Tier : Not reported
Source Of Funding Code : Not reported
Staff Member : Not reported
Supervisor : Not reported
Sic Code : 29
Sic Code Definition : MANU - PETROLEUM & COAL PRODUCTS
Site Mitigatn & Brnfls Reuse Prog (SMBR) Code : SB
SMBR Branch : SO CAL - CYPRESS
Regional Water Quality Control Board : LA
RWQCB Definition : LOS ANGELES
Site Access Controlled : Not reported
Listed In Haz Wst & Substncs Sites List (CORTESE) Not reported
Date Hazard Ranked : Not reported
GW Contamination Suspected : Not reported
Of Sources Contributing To Contamination : 0.00000
Lat/Long : 0.00000° 0.00000' 0.00000" / 0.00000° 0.00000' 0.00000"
Direction Lat : Not reported
Direction Long : Not reported
Lat/long Method : Not reported
Entity Lat/long Coordinates Refer To : Not reported
State Assembly Distt Code : Not reported
State Senate Distt Code : Not reported
Identifying Code: Not reported
ID Value: Not reported
Other ID Desc: Not reported
Alternate Name(s): M O DION & SONS
Address(es) : 1515,1569 WEST 16TH STREET
LONG BEACH, CA 90813
Address(es) : 1569 WEST 16TH STREET
LONG BEACH, CA 90813
Background Info : Not reported
Facility Id : 19290263
AWP Activities Code : 1.00000
DTSC Site Activity Code : DISC
Activity Code Def: DISCOVERY
AWP Activity Id : Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

DION & SONS INC (Continued)

EDR ID Number
EPA ID Number

Database(s)

S100868345

Dt Activity Due For Completion :	Not reported
Revised Due Date :	Not reported
Date Activity Completed :	01121983
Est # Of Person-years To Complete :	0.00000
Est. Size Of An Activity Code :	Not reported
Site Status When Activity Commitment Made :	REFRW
Status Code Definition :	PROPERTY/SITE REFERRED TO RWQCB
Cubic Yards Of Solids Removed At Completion :	0.00000
Gallons Of Liquid Removed Upon Completion :	0.00000
Cubic Yards Of Solids Treated Upon Completion :	0.00000
Actvty Deleted Via Commitmnt/Completns Screen :	Not reported
Facility Id :	19290263
AWP Activities Code :	2.00000
DTSC Site Activity Code :	SS
Activity Code Def:	Not reported
AWP Activity Id :	Not reported
Dt Activity Due For Completion :	Not reported
Revised Due Date :	Not reported
Date Activity Completed :	04251995
Est # Of Person-years To Complete :	0.00000
Est. Size Of An Activity Code :	Not reported
Site Status When Activity Commitment Made :	REFRW
Status Code Definition :	PROPERTY/SITE REFERRED TO RWQCB
Cubic Yards Of Solids Removed At Completion :	0.00000
Gallons Of Liquid Removed Upon Completion :	0.00000
Cubic Yards Of Solids Treated Upon Completion :	0.00000
Actvty Deleted Via Commitmnt/Completns Screen :	Not reported
Special Program Code:	C104
Special Program :	CERCLA 104
Comments Date :	01011988
Comments :	ON CORTESE LIST FACILITY IDENTIFIED L.A. CHAM OF COMM BUS DIR 1971 MFG./DISTRIBUTOR/GAS/LUBRICANTS/SOLVENTS QUESTIONNAIRE SENT QUESTIONNAIRE RECEIVED YRS OPERATION AT LOCATION: 1951-PRESENT NUMBER OF EMPLOYEES AT LOCATION: 12 WASTE: USED DRAIN OIL HAULED OFF SITE FACILITY DRIVE-BY SITE IS PARTLY PAVED, PART DIRT, GRAVEL DRUMS, PUMPING EQUIP ON GRAVEL AREA-SOME STAINS. COVERED STORAGE-SOME STAINS. VEG APPEAR NON-STRESSED LA RWQCB'S UST LEAK LIST INDICATES THE BOARD IS OVERSEEING THE CLEANUP OF THE SITE. STATUS IS ADDITIONAL CHARACTER- IZATION (SC). GROUNDWATER AT THE SITE IS CONTAMINATED. DEPT RECEIVED THE EPA REASSESSMENT REPORT WHICH RECOMMENDED NFA UNDER CERCLA FOR THE SITE. DUE TO RWQCB'S OVERSIGHT, THE DEPT'S INVOLVEMENT IS UNNECESSARY. Not reported FACILITY DRIVE-BY ASAP. G & REPLACING THEM W/ MONITORABLE ONES. M.O. DION ALSO COLLECTS & DISP OF OIL RESIDUES. NEED TO REGISTER W/EPA. M.O.DION PLANS TO REMOVE TANKS,10 UNDER- SOURCE ACT: ASAP IW SURVEY 3/21/85 - STORAGE & REPACKAGING OF PETROLEUM PRODS

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

DION & SONS INC (Continued)

EDR ID Number
EPA ID Number

Database(s)

S100868345

SUBMIT TO EPA
REPORTED FOR PROP65

CORTESE:

Region: CORTESE
Fac Address 2: 1569 016TH ST W

EMISSIONS :

Facility ID : 3606
Air District Code : SC
SIC Code : 5171
Total Priority Score : Not reported
Health Risk Assessment : Not reported
Non-cancer Chronic Haz Index : Not reported
Non-cancer Acute Haz Index : Not reported
Air Basin : SC
Air District Name : SOUTH COAST AQMD
Community Health Air Pollution Info System : Not reported
Consolidated Emission Reporting Rule : Not reported
County Code : 19
County ID : 19

93
West
1/2-1
3276 ft.

PRATHER PRODUCTS INC, PRATHER
1638 COWLES ST
LONG BEACH, CA 90813

FINDS **1006839018**
EMI **110014000259**

Relative:
Lower

FINDS:
Other Pertinent Environmental Activity Identified at Site:
National Emissions Inventory (NEI)

Actual:
9 ft.

EMISSIONS :
Facility ID : 98170
Air District Code : SC
SIC Code : 9999
Total Priority Score : Not reported
Health Risk Assessment : Not reported
Non-cancer Chronic Haz Index : Not reported
Non-cancer Acute Haz Index : Not reported
Air Basin : SC
Air District Name : SOUTH COAST AQMD
Community Health Air Pollution Info System : Not reported
Consolidated Emission Reporting Rule : Not reported
County Code : 19
County ID : 19

94
WNW
1/2-1
3652 ft.

CROSBY & OVERTON PLANT NUMBER 1
1630 W 17TH ST
LONG BEACH, CA 90813

FINDS **1000377893**
LUST **CAD028409019**
Cortese
RCRIS-LQG
RCRIS-TSD
CA FID UST
CORRACTS
CERC-NFRAP
HIST UST

Relative:
Lower

Actual:
11 ft.

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

CROSBY & OVERTON PLANT NUMBER 1 (Continued)

1000377893

CERCLIS-NFRAP Classification Data:

Site Incident Category: Not reported

Federal Facility: Not a Federal Facility

Non NPL Code: DR

Ownership Status: Unknown

NPL Status: Not on the NPL

CERCLIS-NFRAP Assessment History:

Assessment: DISCOVERY

Completed: 07/01/1980

Assessment: PRELIMINARY ASSESSMENT

Completed: 12/01/1987

Assessment: SITE INSPECTION

Completed: 08/01/1988

Assessment: RCRA FACILITY ASSESSMENT

Completed: 08/01/1988

Assessment: ARCHIVE SITE

Completed: 01/23/1996

CERCLIS-NFRAP Alias Name(s):

CROSBY & OVERTON PLT #1

CHEROKEE

CORRACTS Data:

EPA Id: CAD028409019

Region: 9

Area Name: ENTIRE FACILITY

Actual Date: 02/24/1993

Corrective Action: CA225NR - Stabilization Measures Evaluation, This facility is , not amenable to stabilization activity at the, present time for reasons other than (1) it appears to be technically, infeasible or inappropriate (NF) or (2) there is a lack of technical, information (IN). Reasons for this conclusion may be the status of, closure at the facility, the degree of risk, timing considerations, the status of corrective action work at the facility, or other, administrative considerations

2002 NAICS Title: Hazardous Waste Treatment and Disposal
General Freight Trucking, Local
General Freight Trucking, Local
Waste Management and Remediation Services

EPA Id: CAD028409019

Region: 9

Area Name: ENTIRE FACILITY

Actual Date: 01/15/1993

Corrective Action: CA075LO - CA Prioritization, Facility or area was assigned a low corrective action priority

2002 NAICS Title: Hazardous Waste Treatment and Disposal
General Freight Trucking, Local
General Freight Trucking, Local
Waste Management and Remediation Services

EPA Id: CAD028409019

Region: 9

Area Name: ENTIRE FACILITY

Actual Date: 06/01/1984

Corrective Action: CA075LO - CA Prioritization, Facility or area was assigned a low corrective action priority

2002 NAICS Title: Hazardous Waste Treatment and Disposal
General Freight Trucking, Local
General Freight Trucking, Local
Waste Management and Remediation Services

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON PLANT NUMBER 1 (Continued)

1000377893

RCRIS Corrective Action Summary:

Event: Stabilization Measures Evaluation, This facility is not amenable to stabilization activity at the present time for reasons other than 1) it appears to be technically infeasible or inappropriate (NF) or 2) there is a lack of technical information (IN). Reasons for this conclusion may be the status of closure at the facility, the degree of risk, timing considerations, the status of corrective action work at the facility, or other administrative considerations.

Event Date: 02/24/1993

Event: CA Prioritization, Facility or area was assigned a low corrective action priority.

Event Date: 01/15/1993

Event: CA Prioritization, Facility or area was assigned a low corrective action priority.

Event Date: 06/01/1984

RCRIS:

Owner: CROSBY & OVERTON
(213) 432-5445

EPA ID: CAD028409019

Contact: Not reported

Classification: Large Quantity Generator, TSD
TSD Activities: Not reported

BIENNIAL REPORTS:

Last Biennial Reporting Year: 2001

<u>Waste</u>	<u>Quantity (Lbs)</u>	<u>Waste</u>	<u>Quantity (Lbs)</u>
D001	6217360.52	D002	290172.84
D003	4493.00	D004	2356834.53
D005	26539.85	D006	4859508.24
D007	3775215.53	D008	4225411.86
D009	1821070.74	D011	23892.26
D013	17386.41	D014	14066.30
D016	12710.30	D018	1984427.17
D020	37611.14	D027	3660.00
D035	376906.67	D039	4745.16
F001	2500.09	F002	3849116.09
F003	1886282.31	F005	1911588.19
F006	4566.00	F007	4566.00
F008	4566.00	F009	100.00
P028	214.00	U122	4050.14
U223	1680.06		

Violation Status: Violations exist

Regulation Violated:	Not reported
Area of Violation:	GENERATOR-RECORDKEEPING REQUIREMENTS
Date Violation Determined:	11/04/2003
Actual Date Achieved Compliance:	12/16/2003
Regulation Violated:	Not reported
Area of Violation:	TSD-TANKS REQUIREMENTS
Date Violation Determined:	11/04/2003
Actual Date Achieved Compliance:	Not reported
Regulation Violated:	Not reported
Area of Violation:	TSD-OTHER REQUIREMENTS

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

CROSBY & OVERTON PLANT NUMBER 1 (Continued)

EDR ID Number
EPA ID Number

Database(s)

1000377893

Date Violation Determined:	11/04/2003
Actual Date Achieved Compliance:	Not reported
Regulation Violated:	Not reported
Area of Violation:	TSD-OTHER REQUIREMENTS
Date Violation Determined:	11/04/2003
Actual Date Achieved Compliance:	01/28/2004
Regulation Violated:	Not reported
Area of Violation:	TSD-GENERAL STANDARDS
Date Violation Determined:	11/04/2003
Actual Date Achieved Compliance:	12/16/2003
Regulation Violated:	Not reported
Area of Violation:	TSD-MANIFEST REQUIREMENTS
Date Violation Determined:	11/04/2003
Actual Date Achieved Compliance:	Not reported
Regulation Violated:	264.10-18.B
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	09/10/2002
Actual Date Achieved Compliance:	12/10/2002
Regulation Violated:	270
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	09/10/2002
Actual Date Achieved Compliance:	12/10/2002
Regulation Violated:	Not reported
Area of Violation:	TSD-OTHER REQUIREMENTS
Date Violation Determined:	09/10/2002
Actual Date Achieved Compliance:	12/10/2002
Regulation Violated:	Not reported
Area of Violation:	TSD-GENERAL STANDARDS
Date Violation Determined:	09/10/2002
Actual Date Achieved Compliance:	12/10/2002
Regulation Violated:	Not reported
Area of Violation:	TSD-FINANCIAL RESPONSIBILITY REQUIREMENTS
Date Violation Determined:	09/04/2002
Actual Date Achieved Compliance:	Not reported
Regulation Violated:	264.140-150.H
Area of Violation:	TSD-FINANCIAL RESPONSIBILITY REQUIREMENTS
Date Violation Determined:	12/14/2001
Actual Date Achieved Compliance:	02/10/2002
Regulation Violated:	264.10-18.B
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	10/31/2001
Actual Date Achieved Compliance:	02/01/2002
Regulation Violated:	264.170-177.I
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	10/31/2001
Actual Date Achieved Compliance:	02/01/2002
Regulation Violated:	264.190-201.J
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	10/31/2001
Actual Date Achieved Compliance:	02/01/2002
Regulation Violated:	264.170-177.I

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON PLANT NUMBER 1 (Continued)

1000377893

Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	10/31/2001
Actual Date Achieved Compliance:	10/31/2001
Regulation Violated:	270
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	10/07/1999
Actual Date Achieved Compliance:	10/03/2000
Regulation Violated:	264.190-201.J
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	10/07/1999
Actual Date Achieved Compliance:	10/03/2000
Regulation Violated:	264.30-37.C
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	10/07/1999
Actual Date Achieved Compliance:	11/12/1999
Regulation Violated:	264.10-18.B
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	10/07/1999
Actual Date Achieved Compliance:	11/12/1999
Regulation Violated:	264.170-177.I
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	10/07/1999
Actual Date Achieved Compliance:	11/12/1999
Regulation Violated:	264.70-77.E
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	06/21/1999
Actual Date Achieved Compliance:	11/11/1999
Regulation Violated:	264.10-18.B
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	06/21/1999
Actual Date Achieved Compliance:	11/11/1999
Regulation Violated:	264.10-18.B
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	02/26/1998
Actual Date Achieved Compliance:	04/29/1998
Regulation Violated:	264.140-150.H
Area of Violation:	TSD-FINANCIAL RESPONSIBILITY REQUIREMENTS
Date Violation Determined:	02/04/1993
Actual Date Achieved Compliance:	07/09/1993
Regulation Violated:	268 ALL
Area of Violation:	TSD-LAND BAN REQUIREMENTS
Date Violation Determined:	02/04/1993
Actual Date Achieved Compliance:	02/18/1993
Regulation Violated:	264.70-77.E
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	02/04/1993
Actual Date Achieved Compliance:	02/18/1993
Regulation Violated:	264.10-18.B
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	12/06/1991
Actual Date Achieved Compliance:	02/06/1992

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON PLANT NUMBER 1 (Continued)

1000377893

Regulation Violated:	264.140-150.H
Area of Violation:	TSD-FINANCIAL RESPONSIBILITY REQUIREMENTS
Date Violation Determined:	05/08/1990
Actual Date Achieved Compliance:	11/02/1990
Regulation Violated:	270
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	04/16/1990
Actual Date Achieved Compliance:	10/14/1991
Regulation Violated:	270
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	04/16/1990
Actual Date Achieved Compliance:	10/14/1991
Regulation Violated:	270
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	04/16/1990
Actual Date Achieved Compliance:	10/14/1991
Regulation Violated:	270
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	10/17/1989
Actual Date Achieved Compliance:	10/18/1989
Regulation Violated:	264.70-77.E
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	10/17/1989
Actual Date Achieved Compliance:	10/18/1989
Regulation Violated:	270
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	10/11/1989
Actual Date Achieved Compliance:	12/15/1989
Regulation Violated:	264.70-77.E
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	10/11/1989
Actual Date Achieved Compliance:	12/15/1989
Regulation Violated:	270
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	07/26/1989
Actual Date Achieved Compliance:	06/20/1990
Regulation Violated:	268 ALL
Area of Violation:	TSD-LAND BAN REQUIREMENTS
Date Violation Determined:	02/17/1989
Actual Date Achieved Compliance:	02/15/1990
Regulation Violated:	268.7
Area of Violation:	GENERATOR-LAND BAN REQUIREMENTS
Date Violation Determined:	02/17/1989
Actual Date Achieved Compliance:	02/15/1990
Regulation Violated:	264.70-77.E
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	02/17/1989
Actual Date Achieved Compliance:	02/15/1990
Regulation Violated:	270
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	02/17/1989
Actual Date Achieved Compliance:	02/15/1990
Regulation Violated:	264.140-150.H
Area of Violation:	TSD-FINANCIAL RESPONSIBILITY REQUIREMENTS
Date Violation Determined:	02/08/1989

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

CROSBY & OVERTON PLANT NUMBER 1 (Continued)

EDR ID Number
EPA ID Number

Database(s)

1000377893

Actual Date Achieved Compliance:	10/18/1989
Regulation Violated:	268 ALL
Area of Violation:	TSD-LAND BAN REQUIREMENTS
Date Violation Determined:	12/03/1987
Actual Date Achieved Compliance:	02/17/1989
Regulation Violated:	268.7
Area of Violation:	GENERATOR-LAND BAN REQUIREMENTS
Date Violation Determined:	12/03/1987
Actual Date Achieved Compliance:	02/17/1989
Regulation Violated:	270
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	12/03/1987
Actual Date Achieved Compliance:	02/17/1989
Regulation Violated:	264.140-150.H
Area of Violation:	TSD-FINANCIAL RESPONSIBILITY REQUIREMENTS
Date Violation Determined:	11/24/1987
Actual Date Achieved Compliance:	10/18/1989
Regulation Violated:	268 ALL
Area of Violation:	TSD-LAND BAN REQUIREMENTS
Date Violation Determined:	11/12/1987
Actual Date Achieved Compliance:	12/15/1989
Regulation Violated:	268.7
Area of Violation:	GENERATOR-LAND BAN REQUIREMENTS
Date Violation Determined:	11/12/1987
Actual Date Achieved Compliance:	12/15/1989
Regulation Violated:	270
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	11/12/1987
Actual Date Achieved Compliance:	12/15/1989
Regulation Violated:	264.70-77.E
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	11/12/1987
Actual Date Achieved Compliance:	12/15/1989

Penalty Summary:

Penalty Description	Penalty Date	Penalty Amount	Lead Agency
Final Monetary Penalty	4/24/1998	4000	STATE
Final Monetary Penalty	7/9/1993	2500	STATE
Proposed Monetary Penalty	7/9/1993	6000	STATE

There are 49 violation record(s) reported at this site:

<u>Evaluation</u>	<u>Area of Violation</u>	<u>Date of Compliance</u>
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NY MANIFEST

Additional detail is available in NY MANIFEST. Please contact your EDR Account Executive for more information.

CT MANIFEST

Additional detail is available in CT MANIFEST. Please contact your EDR Account Executive for more information.

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

CROSBY & OVERTON PLANT NUMBER 1 (Continued)

EDR ID Number
EPA ID Number

Database(s)

1000377893

FINDS:

Other Pertinent Environmental Activity Identified at Site:

National Compliance Database (NCDB)

National Emissions Inventory (NEI)

Resource Conservation and Recovery Act Information system (RCRAINFO)

State LUST:

Cross Street: CANAL AVE

Qty Leaked: 0

Case Number 908130352

Reg Board: 4

Chemical: Gasoline

Lead Agency: Regional Board

Local Agency : 19060

Case Type: Other ground water affected

Status: Case Closed

Abate Method: Excavate and Treat - remove contaminated soil and treat (includes spreading or land farming), Remove Free Product - remove floating product from water table

Review Date: Not reported

Confirm Leak: Not reported

Workplan: Not reported

Prelim Assess: Not reported

Pollution Char: 3/19/93 0:00

Remed Plan: 3/19/93 0:00

Remed Action: Not reported

Monitoring: Not reported

Close Date: 8/29/96 0:00

Release Date: 11/14/1986

Cleanup Fund Id : Not reported

Discover Date : 01/01/1986

Enforcement Dt : Not reported

Enf Type: Not reported

Enter Date : 9/8/87 0:00

Funding: Not reported

Staff Initials: Not reported

How Discovered: Not reported

How Stopped: Not reported

Interim : Yes

Leak Cause: UNK

Leak Source: UNK

MTBE Date : Not reported

Max MTBE GW : Not reported

MTBE Tested: Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.

Priority: Not reported

Local Case # : 0

Beneficial: Not reported

Staff : UNK

GW Qualifier : Not reported

Max MTBE Soil : Not reported

Soil Qualifier : Not reported

Hydr Basin #: SAN FERNANDO VALLEY

Operator : LARRY BOYLE

Oversight Prgm: LUST

Review Date : 9/25/96 0:00

Stop Date : / /

Work Suspended :Not reported

Responsible PartyCROSBY AND OVERTON

RP Address: 1610 17TH ST W LONG BEACH CA 90813

Global Id: T0603701949

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

CROSBY & OVERTON PLANT NUMBER 1 (Continued)

1000377893

Org Name: Not reported
Contact Person: Not reported
MTBE Conc: Not reported
Mtbe Fuel: Not reported
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported

LUST Region 4:

Report Date: 11/14/1986
Lead Agency: Regional Board
Local Agency: 19060
Substance: Gasoline
Case Type: Groundwater
Status: Case Closed
Region: 4
Staff: UNK
Date Case Last Changed on Database: 9/25/96
Date Leak Record Entered: 9/8/87
Historical Max MTBE Date: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil : Not reported
County: Los Angeles
Organization : Not reported
Regional Board: 4
Owner Contact: Not reported
Responsible Party: CROSBY AND OVERTON
RP Address: 1610 17TH ST W LONG BEACH CA 90813
Significant Interim Remedial Action Taken: Yes
Program : LUST
Lat / Long : 34 / -118
Local Agency Staff: Not reported
Summary : FREE PRODUCT RECOVERY IN PROGRESS. ADDITIONAL SAP
REQUIRED.
Hydrologic Basin # : SAN FERNANDO VALLEY
Beneficial Use : Not reported
Priority : Not reported
Cleanup Fund Id : Not reported
Suspended : Not reported
Local Case No : Not reported
Substance Quantity : 0
Abatement Method Used at the Site: ETFP
Operator : LARRY BOYLE
Water System : Not reported
Well Name : Not reported
Approx. Dist To Production Well (ft) : 15505.95324
Assigned Name : Not reported
Source of Cleanup Funding: Not reported
Date the Leak was Discovered: 01/01/1986
How the Leak was Discovered: Not reported
How the Leak was Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Date The Leak was Stopped: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

CROSBY & OVERTON PLANT NUMBER 1 (Continued)

EDR ID Number
EPA ID Number

Database(s)

1000377893

Date Confirmation Leak Began: Not reported
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: Not reported
Remediation Plan Submitted: 3/19/93
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Date the Case was Closed: 8/29/96
Enforcement Action Date: Not reported
Date Leak First Reported: 11/14/1986
Enforcement Type: Not reported
Global ID : T0603701949
Cross Street: CANAL AVE

CORTESE:

Region: CORTESE
Fac Address 2: Not reported

FID:

Facility ID: 19056599 Regulate ID: 00003057
Reg By: Active Underground Storage Tank Location
Cortese Code: Not reported SIC Code: Not reported
Status: Active Facility Tel: (213) 432-5445
Mail To: Not reported
1610 W 017TH ST
LONG BEACH, CA 90813
Contact: Not reported Contact Tel: Not reported
DUNS No: Not reported NPDES No: Not reported
Creation: 10/22/93 Modified: 00/00/00
EPA ID: Not reported
Comments: Not reported

UST HIST:

Facility ID: 3057 Owner Name: CROSBY & OVERTON, INC.
Total Tanks: 9 Region: STATE
Owner Address: 1610 WEST 17TH STREET
LONG BEACH, CA 90813
Tank Used for: PRODUCT
Tank Num: 1 Container Num: EQ#00473 1
Tank Capacity: 00008000 Year Installed: 1974
Type of Fuel: PREMIUM Tank Construction: Not Reported
Leak Detection: None Telephone: (213) 432-5445
Contact Name: Not reported Other Type: HEAVY DUTY CLEANING
Facility Type: Other
Facility ID: 3057 Owner Name: CROSBY & OVERTON, INC.
Total Tanks: 9 Region: STATE
Owner Address: 1610 WEST 17TH STREET
LONG BEACH, CA 90813
Tank Used for: PRODUCT
Tank Num: 2 Container Num: 2 EQ#00474
Tank Capacity: 00009000 Year Installed: 1974
Type of Fuel: DIESEL Tank Construction: Not Reported
Leak Detection: None Telephone: (213) 432-5445
Contact Name: Not reported Other Type: HEAVY DUTY CLEANING
Facility Type: Other
Facility ID: 3057 Owner Name: CROSBY & OVERTON, INC.
Total Tanks: 9 Region: STATE

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

CROSBY & OVERTON PLANT NUMBER 1 (Continued)

1000377893

Owner Address: 1610 WEST 17TH STREET
LONG BEACH, CA 90813

Tank Used for: PRODUCT

Tank Num: 3

Tank Capacity: 00001000

Type of Fuel: DIESEL

Leak Detection: None

Contact Name: Not reported

Facility Type: Other

Container Num: 3

Year Installed: Not reported

Tank Construction: Not Reported

Telephone: (213) 432-5445

Other Type: HEAVY DUTY CLEANING

Facility ID: 3057

Total Tanks: 9

Owner Address: 1610 WEST 17TH STREET
LONG BEACH, CA 90813

Tank Used for: PRODUCT

Tank Num: 4

Tank Capacity: 00001000

Type of Fuel: PREMIUM

Leak Detection: GW Monitoring Well, None

Contact Name: Not reported

Facility Type: Other

Owner Name: CROSBY & OVERTON, INC.

Region: STATE

Container Num: 4

Year Installed: Not reported

Tank Construction: Not Reported

Telephone: (213) 432-5445

Other Type: HEAVY DUTY CLEANING

Facility ID: 3057

Total Tanks: 9

Owner Address: 1610 WEST 17TH STREET
LONG BEACH, CA 90813

Tank Used for: PRODUCT

Tank Num: 5

Tank Capacity: 00003000

Type of Fuel: PREMIUM

Leak Detection: None

Contact Name: Not reported

Facility Type: Other

Owner Name: CROSBY & OVERTON, INC.

Region: STATE

Container Num: 5 EQ 00462

Year Installed: 1968

Tank Construction: Not Reported

Telephone: (213) 432-5445

Other Type: HEAVY DUTY CLEANING

Facility ID: 3057

Total Tanks: 9

Owner Address: 1610 WEST 17TH STREET
LONG BEACH, CA 90813

Tank Used for: PRODUCT

Tank Num: 6

Tank Capacity: 00010000

Type of Fuel: UNLEADED

Leak Detection: None

Contact Name: Not reported

Facility Type: Other

Owner Name: CROSBY & OVERTON, INC.

Region: STATE

Container Num: 6 EQ 00463

Year Installed: Not reported

Tank Construction: Not Reported

Telephone: (213) 432-5445

Other Type: HEAVY DUTY CLEANING

Facility ID: 3057

Total Tanks: 9

Owner Address: 1610 WEST 17TH STREET
LONG BEACH, CA 90813

Tank Used for: WASTE

Tank Num: 7

Tank Capacity: 00003000

Type of Fuel: WASTE OIL

Leak Detection: None

Contact Name: Not reported

Facility Type: Other

Owner Name: CROSBY & OVERTON, INC.

Region: STATE

Container Num: 7WASHDOWN

Year Installed: Not reported

Tank Construction: 6 inches

Telephone: (213) 432-5445

Other Type: HEAVY DUTY CLEANING

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

CROSBY & OVERTON PLANT NUMBER 1 (Continued)

EDR ID Number
EPA ID Number

Database(s)

1000377893

Facility ID: 3057
Total Tanks: 9
Owner Address: 1610 WEST 17TH STREET
LONG BEACH, CA 90813

Owner Name: CROSBY & OVERTON, INC.
Region: STATE

Tank Used for: WASTE
Tank Num: 8
Tank Capacity: 00004500
Type of Fuel: 06
Leak Detection: None
Contact Name: Not reported
Facility Type: Other

Container Num: 8 PLANT 1
Year Installed: 1974
Tank Construction: 6 inches

Telephone: (213) 432-5445
Other Type: HEAVY DUTY CLEANING

Facility ID: 3057
Total Tanks: 9
Owner Address: 1610 WEST 17TH STREET
LONG BEACH, CA 90813

Owner Name: CROSBY & OVERTON, INC.
Region: STATE

Tank Used for: WASTE
Tank Num: 9
Tank Capacity: 00000550
Type of Fuel: WASTE OIL
Leak Detection: None
Contact Name: Not reported
Facility Type: Other

Container Num: 9
Year Installed: 1983
Tank Construction: 10 gauge

Telephone: (213) 432-5445
Other Type: HEAVY DUTY CLEANING

S95
West
1/2-1
3892 ft.

QUALITY ALUMINUM FORGE INCORPORATED
1410 COTA AVE
LONG BEACH, CA 90813

FINDS 1004442859
EMI 110001177850

Site 1 of 2 in cluster S

Relative:
Lower

FINDS:

Other Pertinent Environmental Activity Identified at Site:
National Emissions Inventory (NEI)
National Emissions Trends (NET)

Actual:
8 ft.

EMISSIONS :

Facility ID : 71601
Air District Code : SC
SIC Code : 3542
Total Priority Score : Not reported
Health Risk Assessment : Not reported
Non-cancer Chronic Haz Index : Not reported
Non-cancer Acute Haz Index : Not reported
Air Basin : SC
Air District Name : SOUTH COAST AQMD
Community Health Air Pollution Info System : Not reported
Consolidated Emission Reporting Rule : Not reported
County Code : 19
County ID : 19

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Site Database(s) EDR ID Number
EPA ID Number

S96
West
1/2-1
3905 ft.

SEASIDE INCORPORATED
1439 COTA AVE.
LONG BEACH, CA 90813

Site 2 of 2 in cluster S

Relative:
Lower

RCRIS-SQG
FINDS
HAZNET
LUST
Cortese
HIST UST
EMI

Actual:
8 ft.

RCRIS:
Owner: SEASIDE INC
(415) 555-1212
EPA ID: CAD982348328
Contact: ENVIRONMENTAL MANAGER
(213) 435-6337
Classification: Small Quantity Generator
TSDF Activities: Not reported
Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:
National Emissions Inventory (NEI)
Resource Conservation and Recovery Act Information system (RCRAINFO)
Toxic Chemical Release Inventory System (TRIS)

State LUST:

Cross Street: ANAHEIM
Qty Leaked: 0
Case Number: 908130070
Reg Board: 4
Chemical: Solvents
Lead Agency: Regional Board
Local Agency: 19060
Case Type: Other ground water affected
Status: Case Closed
Abate Method: Remove Free Product - remove floating product from water table
Review Date: Not reported
Workplan: Not reported
Pollution Char: Not reported
Remed Action: Not reported
Monitoring: Not reported
Close Date: 11/22/94 0:00
Release Date: 07/13/1985
Cleanup Fund Id: Not reported
Discover Date: / /
Enforcement Dt: Not reported
Enf Type: Not reported
Enter Date: 12/31/86 0:00
Funding: Not reported
Staff Initials: Not reported
How Discovered: Not reported
How Stopped: Not reported
Interim: Yes
Leak Cause: UNK
Leak Source: UNK
MTBE Date: Not reported
Max MTBE GW: Not reported
MTBE Tested: Not Required to be Tested.
Priority: Not reported

Confirm Leak: Not reported
Prelim Assess: Not reported
Remed Plan: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

SEASIDE INCORPORATED (Continued)

1000382115

Local Case # : 0
Beneficial: Not reported
Staff : UNK
GW Qualifier : Not reported
Max MTBE Soil : Not reported
Soil Qualifier : Not reported
Hydr Basin #: SAN FERNANDO VALLEY
Operator : Not reported
Oversight Prgm: LUST
Review Date : 7/21/95 0:00
Stop Date : / /
Work Suspended : Not reported
Responsible Party: FRIEDLAND, JOEL
RP Address: PO BOX 2809, LONG BEACH CA 90801
Global Id: T0603701922
Org Name: Not reported
Contact Person: Not reported
MTBE Conc: Not reported
Mtbe Fuel: Not reported
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported

LUST Region 4:

Report Date: 07/13/1985
Lead Agency: Regional Board
Local Agency: 19060
Substance: Solvents
Case Type: Groundwater
Status: Case Closed
Region: 4
Staff: UNK
Date Case Last Changed on Database:
Date Leak Record Entered:
Historical Max MTBE Date:
GW Qualifier:
Soil Qualifier:
Hist Max MTBE Conc in Groundwater:
Hist Max MTBE Conc in Soil :
County:
Organization :
Regional Board:
Owner Contact: Not reported
Responsible Party:
RP Address:
Significant Interim Remedial Action Taken:
Program :
Lat / Long :
Local Agency Staff:
Summary :

7/21/95
12/31/86
Not reported
Not reported
Not reported
Not reported
Not reported
Los Angeles
Not reported
4
FRIEDLAND, JOEL
PO BOX 2809, LONG BEACH CA 90801
Yes
LUST
34 / -118
Not reported
SITE IS IN REDEVELOPMENT AREA. STAFF REQUESTED
ADDITIONAL SAWORK TO DELINEATE VOC CONTAMINATION.
RP STATED THAT THE VOC CONTAMINATION WAS PART OF
AN AREA-WIDE PROBLEM. CITY OF LONGBEACH APPEALED
TO RAH ON OUR REQUEST FOR ADDI
SAN FERNANDO VALLEY
Not reported

Hydrologic Basin # :
Beneficial Use :

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

SEASIDE INCORPORATED (Continued)

EDR ID Number
EPA ID Number

Database(s)

1000382115

Priority : Not reported
Cleanup Fund Id : Not reported
Suspended : Not reported
Local Case No : Not reported
Substance Quantity : 0
Abatement Method Used at the Site: Remove Free Product
Operator : Not reported
Water System : Not reported
Well Name : Not reported
Approx. Dist To Production Well (ft) : 16148.3894
Assigned Name : Not reported
Source of Cleanup Funding: Not reported
Date the Leak was Discovered: / /
How the Leak was Discovered: Not reported
How the Leak was Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Date The Leak was Stopped: Not reported
Date Confirmation Leak Began: Not reported
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: 4/27/88
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Date the Case was Closed: 11/22/94
Enforcement Action Date: Not reported
Date Leak First Reported: 07/13/1985
Enforcement Type: Not reported
Global ID : T0603701922
Cross Street: ANAHEIM

HAZNET:

Gepaid: CAD982348328
TSD EPA ID: CAD000088252
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .0000
Waste Category: Latex waste
Disposal Method: Not reported
Contact: Not reported
Telephone: (000) 000-0000
Mailing Address: 1439 COTA AVE
LONG BEACH, CA 90813
County Los Angeles
Gepaid: CAD982348328
TSD EPA ID: CAD000088252
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 9.0614
Waste Category: Hydrocarbon solvents (benzene, hexane, Stoddard, etc.)
Disposal Method: Not reported
Contact: Not reported
Telephone: (000) 000-0000
Mailing Address: 1439 COTA AVE
LONG BEACH, CA 90813
County Los Angeles

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

SEASIDE INCORPORATED (Continued)

EDR ID Number
EPA ID Number

Database(s)

1000382115

Gepaid: CAD982348328
TSD EPA ID: CAD000088252
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 2.9190
Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method: Transfer Station
Contact: Not reported
Telephone: (000) 000-0000
Mailing Address: 1439 COTA AVE
LONG BEACH, CA 90813
County: Los Angeles

Gepaid: CAD982348328
TSD EPA ID: CAD089446710
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 1.0425
Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method: Recycler
Contact: Not reported
Telephone: (000) 000-0000
Mailing Address: 1439 COTA AVE
LONG BEACH, CA 90813
County: Los Angeles

Gepaid: CAD982348328
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: 0
Tons: .6255
Waste Category: Aqueous solution with 10% or more total organic residues
Disposal Method: Transfer Station
Contact: Not reported
Telephone: (000) 000-0000
Mailing Address: 1439 COTA AVE
LONG BEACH, CA 90813
County: Los Angeles

CORTESE:
Region: CORTESE
Fac Address 2: Not reported

UST HIST:
Facility ID: 6458
Total Tanks: 13
Owner Address: 1439 COTA AVENUE
LONG BEACH, CA 90813
Tank Used for: PRODUCT
Tank Num: 1
Tank Capacity: 00000000
Type of Fuel: PREMIUM
Leak Detection: GW Monitoring Well
Contact Name: JOEL FRIEDLAND
Facility Type: Other

Owner Name: SEASIDE PAINT & LACQUER CO., I
Region: STATE

Container Num: 12
Year Installed: Not reported
Tank Construction: 10 gauge

Telephone: (213) 435-6337
Other Type: COATINGS MFG.

Facility ID: 6458
Total Tanks: 13
Owner Address: 1439 COTA AVENUE

Owner Name: SEASIDE PAINT & LACQUER CO., I
Region: STATE

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

SEASIDE INCORPORATED (Continued)

EDR ID Number
EPA ID Number

Database(s)

1000382115

LONG BEACH, CA 90813
Tank Used for: PRODUCT
Tank Num: 2
Tank Capacity: 00000000
Type of Fuel: Not reported
Leak Detection: GW Monitoring Well
Contact Name: JOEL FRIEDLAND
Facility Type: Other

Container Num: 6
Year Installed: Not reported
Tank Construction: 10 gauge

Telephone: (213) 435-6337
Other Type: COATINGS MFG.

Facility ID: 6458
Total Tanks: 13
Owner Address: 1439 COTA AVENUE
LONG BEACH, CA 90813

Owner Name: SEASIDE PAINT & LACQUER CO., I
Region: STATE

Tank Used for: PRODUCT
Tank Num: 3
Tank Capacity: 00000000
Type of Fuel: Not reported
Leak Detection: GW Monitoring Well
Contact Name: JOEL FRIEDLAND
Facility Type: Other

Container Num: 10
Year Installed: Not reported
Tank Construction: 10 gauge

Telephone: (213) 435-6337
Other Type: COATINGS MFG.

Facility ID: 6458
Total Tanks: 13
Owner Address: 1439 COTA AVENUE
LONG BEACH, CA 90813

Owner Name: SEASIDE PAINT & LACQUER CO., I
Region: STATE

Tank Used for: PRODUCT
Tank Num: 4
Tank Capacity: 00000000
Type of Fuel: Not reported
Leak Detection: GW Monitoring Well
Contact Name: JOEL FRIEDLAND
Facility Type: Other

Container Num: 9
Year Installed: Not reported
Tank Construction: 10 gauge

Telephone: (213) 435-6337
Other Type: COATINGS MFG.

Facility ID: 6458
Total Tanks: 13
Owner Address: 1439 COTA AVENUE
LONG BEACH, CA 90813

Owner Name: SEASIDE PAINT & LACQUER CO., I
Region: STATE

Tank Used for: PRODUCT
Tank Num: 5
Tank Capacity: 00000000
Type of Fuel: Not reported
Leak Detection: GW Monitoring Well
Contact Name: JOEL FRIEDLAND
Facility Type: Other

Container Num: 11
Year Installed: Not reported
Tank Construction: 10 gauge

Telephone: (213) 435-6337
Other Type: COATINGS MFG.

Facility ID: 6458
Total Tanks: 13
Owner Address: 1439 COTA AVENUE
LONG BEACH, CA 90813

Owner Name: SEASIDE PAINT & LACQUER CO., I
Region: STATE

Tank Used for: PRODUCT
Tank Num: 6
Tank Capacity: 00000000
Type of Fuel: Not reported
Leak Detection: GW Monitoring Well
Contact Name: JOEL FRIEDLAND
Facility Type: Other

Container Num: 7
Year Installed: Not reported
Tank Construction: 10 gauge

Telephone: (213) 435-6337
Other Type: COATINGS MFG.

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

SEASIDE INCORPORATED (Continued)

1000382115

Facility ID: 6458
Total Tanks: 13
Owner Address: 1439 COTA AVENUE
LONG BEACH, CA 90813
Tank Used for: PRODUCT
Tank Num: 7
Tank Capacity: 00000000
Type of Fuel: Not reported
Leak Detection: GW Monitoring Well
Contact Name: JOEL FRIEDLAND
Facility Type: Other

Owner Name: SEASIDE PAINT & LACQUER CO., I
Region: STATE

Container Num: 8
Year Installed: Not reported
Tank Construction: 10 gauge

Telephone: (213) 435-6337
Other Type: COATINGS MFG.

Facility ID: 6458
Total Tanks: 13
Owner Address: 1439 COTA AVENUE
LONG BEACH, CA 90813
Tank Used for: PRODUCT
Tank Num: 8
Tank Capacity: 00000000
Type of Fuel: Not reported
Leak Detection: GW Monitoring Well
Contact Name: JOEL FRIEDLAND
Facility Type: Other

Owner Name: SEASIDE PAINT & LACQUER CO., I
Region: STATE

Container Num: 13
Year Installed: Not reported
Tank Construction: 10 gauge

Telephone: (213) 435-6337
Other Type: COATINGS MFG.

Facility ID: 6458
Total Tanks: 13
Owner Address: 1439 COTA AVENUE
LONG BEACH, CA 90813
Tank Used for: PRODUCT
Tank Num: 9
Tank Capacity: 00000000
Type of Fuel: Not reported
Leak Detection: GW Monitoring Well
Contact Name: JOEL FRIEDLAND
Facility Type: Other

Owner Name: SEASIDE PAINT & LACQUER CO., I
Region: STATE

Container Num: 5
Year Installed: Not reported
Tank Construction: 10 gauge

Telephone: (213) 435-6337
Other Type: COATINGS MFG.

Facility ID: 6458
Total Tanks: 13
Owner Address: 1439 COTA AVENUE
LONG BEACH, CA 90813
Tank Used for: PRODUCT
Tank Num: 10
Tank Capacity: 00000000
Type of Fuel: Not reported
Leak Detection: GW Monitoring Well
Contact Name: JOEL FRIEDLAND
Facility Type: Other

Owner Name: SEASIDE PAINT & LACQUER CO., I
Region: STATE

Container Num: 1
Year Installed: Not reported
Tank Construction: 10 gauge

Telephone: (213) 435-6337
Other Type: COATINGS MFG.

Facility ID: 6458
Total Tanks: 13
Owner Address: 1439 COTA AVENUE
LONG BEACH, CA 90813
Tank Used for: PRODUCT
Tank Num: 11
Tank Capacity: 00000000
Type of Fuel: Not reported

Owner Name: SEASIDE PAINT & LACQUER CO., I
Region: STATE

Container Num: 3
Year Installed: Not reported
Tank Construction: 10 gauge

Database(s)

EDR ID Number
EPA ID Number

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

SEASIDE INCORPORATED (Continued)

1000382115

Leak Detection: GW Monitoring Well
Contact Name: JOEL FRIEDLAND
Facility Type: Other

Facility ID: 6458
Total Tanks: 13
Owner Address: 1439 COTA AVENUE
LONG BEACH, CA 90813

Telephone: (213) 435-6337
Other Type: COATINGS MFG.

Owner Name: SEASIDE PAINT & LACQUER CO., I
Region: STATE

Tank Used for: PRODUCT
Tank Num: 12
Tank Capacity: 00000000
Type of Fuel: Not reported
Leak Detection: GW Monitoring Well
Contact Name: JOEL FRIEDLAND
Facility Type: Other

Container Num: 2
Year Installed: Not reported
Tank Construction: 10 gauge

Telephone: (213) 435-6337
Other Type: COATINGS MFG.

Facility ID: 6458
Total Tanks: 13
Owner Address: 1439 COTA AVENUE
LONG BEACH, CA 90813

Owner Name: SEASIDE PAINT & LACQUER CO., I
Region: STATE

Tank Used for: PRODUCT
Tank Num: 13
Tank Capacity: 00000000
Type of Fuel: Not reported
Leak Detection: GW Monitoring Well
Contact Name: JOEL FRIEDLAND
Facility Type: Other

Container Num: 4
Year Installed: Not reported
Tank Construction: 10 gauge

Telephone: (213) 435-6337
Other Type: COATINGS MFG.

EMISSIONS :

Facility ID : 10039
Air District Code : SC
SIC Code : 2851
Total Priority Score : Not reported
Health Risk Assessment : Not reported
Non-cancer Chronic Haz Index : Not reported
Non-cancer Acute Haz Index : Not reported
Air Basin : SC
Air District Name : SOUTH COAST AQMD
Community Health Air Pollution Info System : Not reported
Consolidated Emission Reporting Rule : Not reported
County Code : 19
County ID : 19

97
WNW
1/2-1
4127 ft.

ROSS AUTO BODY
1756 SANTA FE
LONG BEACH, CA 90813

FINDS 1006824393
EMI 110013829839

Relative:
Equal

FINDS:
Other Pertinent Environmental Activity Identified at Site:
National Emissions Inventory (NEI)

Actual:
12 ft.

EMISSIONS :
Facility ID : 67350
Air District Code : SC
SIC Code : 7538
Total Priority Score : Not reported
Health Risk Assessment : Not reported
Non-cancer Chronic Haz Index : Not reported
Non-cancer Acute Haz Index : Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

ROSS AUTO BODY (Continued)

EDR ID Number
EPA ID Number

Database(s)

1006824393

Air Basin : SC
Air District Name : SOUTH COAST AQMD
Community Health Air Pollution Info System : Not reported
Consolidated Emission Reporting Rule : Not reported
County Code : 19
County ID : 19

98 J. H. BAXTER & CO
WSW 1710 PIER B AVE
1/2-1 LONG BEACH, CA 90802
4497 ft.

EMI S105938210
N/A

Relative:
Lower

EMISSIONS :

Facility ID : 18821
Air District Code : SC
SIC Code : 2491
Total Priority Score : Not reported
Health Risk Assessment : Not reported
Non-cancer Chronic Haz Index : Not reported
Non-cancer Acute Haz Index : Not reported
Air Basin : SC
Air District Name : SOUTH COAST AQMD
Community Health Air Pollution Info System : Not reported
Consolidated Emission Reporting Rule : Not reported
County Code : 19
County ID : 19

Actual:
5 ft.

99 VEHICLE PROCESSORS, INC.
WSW 785 EDISON AVE
1/2-1 LONG BEACH, CA 90813
4498 ft.

HIST UST U001566332
EMI N/A

Relative:
Lower

UST HIST:

Facility ID: 17673
Total Tanks: 10
Owner Address: 785 EDISON AVE.
LONG BEACH, CA 90813

Owner Name: VEHICLE PROCESSORS, INC.
Region: STATE

Tank Used for: WASTE
Tank Num: 1
Tank Capacity: 00025000
Type of Fuel: Not reported
Leak Detection: Visual

Container Num: T-111A
Year Installed: 1982
Tank Construction: 1/4 inches

Contact Name: JOE KOLKMEYER
Facility Type: Other

Telephone: (213) 437-6767
Other Type: AUTO IMPORT PROCESSI

Facility ID: 17673
Total Tanks: 10
Owner Address: 785 EDISON AVE.
LONG BEACH, CA 90813

Owner Name: VEHICLE PROCESSORS, INC.
Region: STATE

Tank Used for: WASTE
Tank Num: 2
Tank Capacity: 00025000
Type of Fuel: Not reported
Leak Detection: Visual

Container Num: T-111B
Year Installed: 1982
Tank Construction: 1/4 inches

Contact Name: JOE KOLKMEYER
Facility Type: Other

Telephone: (213) 437-6767
Other Type: AUTO IMPORT PROCESSI

Facility ID: 17673

Owner Name: VEHICLE PROCESSORS, INC.

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

VEHICLE PROCESSORS, INC. (Continued)

EDR ID Number
EPA ID Number

Database(s)

U001566332

Total Tanks: 10
Owner Address: 785 EDISON AVE.
LONG BEACH, CA 90813
Tank Used for: WASTE
Tank Num: 3
Tank Capacity: 00025000
Type of Fuel: Not reported
Leak Detection: Visual
Contact Name: JOE KOLKMEYER
Facility Type: Other

Region: STATE

Container Num: T-111C
Year Installed: 1982
Tank Construction: 1/4 inches

Telephone: (213) 437-6767
Other Type: AUTO IMPORT PROCESSI

Facility ID: 17673
Total Tanks: 10
Owner Address: 785 EDISON AVE.
LONG BEACH, CA 90813
Tank Used for: WASTE
Tank Num: 4
Tank Capacity: 00025000
Type of Fuel: Not reported
Leak Detection: Visual
Contact Name: JOE KOLKMEYER
Facility Type: Other

Owner Name: VEHICLE PROCESSORS, INC.
Region: STATE

Container Num: T-111D
Year Installed: 1982
Tank Construction: 1/4 inches

Telephone: (213) 437-6767
Other Type: AUTO IMPORT PROCESSI

Facility ID: 17673
Total Tanks: 10
Owner Address: 785 EDISON AVE.
LONG BEACH, CA 90813
Tank Used for: PRODUCT
Tank Num: 5
Tank Capacity: 00025000
Type of Fuel: Not reported
Leak Detection: Visual
Contact Name: JOE KOLKMEYER
Facility Type: Other

Owner Name: VEHICLE PROCESSORS, INC.
Region: STATE

Container Num: T-115
Year Installed: 1982
Tank Construction: 1/4 inches

Telephone: (213) 437-6767
Other Type: AUTO IMPORT PROCESSI

Facility ID: 17673
Total Tanks: 10
Owner Address: 785 EDISON AVE.
LONG BEACH, CA 90813
Tank Used for: WASTE
Tank Num: 6
Tank Capacity: 00008141
Type of Fuel: Not reported
Leak Detection: Visual
Contact Name: JOE KOLKMEYER
Facility Type: Other

Owner Name: VEHICLE PROCESSORS, INC.
Region: STATE

Container Num: T-116
Year Installed: 1982
Tank Construction: 1/4 inches

Telephone: (213) 437-6767
Other Type: AUTO IMPORT PROCESSI

Facility ID: 17673
Total Tanks: 10
Owner Address: 785 EDISON AVE.
LONG BEACH, CA 90813
Tank Used for: PRODUCT
Tank Num: 7
Tank Capacity: 00010000
Type of Fuel: DIESEL
Leak Detection: Visual
Contact Name: JOE KOLKMEYER

Owner Name: VEHICLE PROCESSORS, INC.
Region: STATE

Container Num: T-122
Year Installed: 1982
Tank Construction: 1/4 inches

Telephone: (213) 437-6767

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

VEHICLE PROCESSORS, INC. (Continued)

U001566332

Facility Type:	Other	Other Type:	AUTO IMPORT PROCESSI
Facility ID:	17673	Owner Name:	VEHICLE PROCESSORS, INC.
Total Tanks:	10	Region:	STATE
Owner Address:	785 EDISON AVE. LONG BEACH, CA 90813		
Tank Used for:	WASTE		
Tank Num:	8	Container Num:	S-128
Tank Capacity:	00025000	Year Installed:	1982
Type of Fuel:	Not reported	Tank Construction:	3/8 inches
Leak Detection:	Visual		
Contact Name:	JOE KOLKMEYER	Telephone:	(213) 437-6767
Facility Type:	Other	Other Type:	AUTO IMPORT PROCESSI
Facility ID:	17673	Owner Name:	VEHICLE PROCESSORS, INC.
Total Tanks:	10	Region:	STATE
Owner Address:	785 EDISON AVE. LONG BEACH, CA 90813		
Tank Used for:	PRODUCT		
Tank Num:	9	Container Num:	G-100
Tank Capacity:	00025000	Year Installed:	1982
Type of Fuel:	UNLEADED	Tank Construction:	Not Reported
Leak Detection:	Visual		
Contact Name:	JOE KOLKMEYER	Telephone:	(213) 437-6767
Facility Type:	Other	Other Type:	AUTO IMPORT PROCESSI
Facility ID:	17673	Owner Name:	VEHICLE PROCESSORS, INC.
Total Tanks:	10	Region:	STATE
Owner Address:	785 EDISON AVE. LONG BEACH, CA 90813		
Tank Used for:	PRODUCT		
Tank Num:	10	Container Num:	D-100
Tank Capacity:	00010000	Year Installed:	1982
Type of Fuel:	DIESEL	Tank Construction:	Not Reported
Leak Detection:	Visual		
Contact Name:	JOE KOLKMEYER	Telephone:	(213) 437-6767
Facility Type:	Other	Other Type:	AUTO IMPORT PROCESSI

EMISSIONS :

Facility ID :	38908
Air District Code :	SC
SIC Code :	5012
Total Priority Score :	Not reported
Health Risk Assessment :	Not reported
Non-cancer Chronic Haz Index :	Not reported
Non-cancer Acute Haz Index :	Not reported
Air Basin :	SC
Air District Name :	SOUTH COAST AQMD
Community Health Air Pollution Info System :	Not reported
Consolidated Emission Reporting Rule :	Not reported
County Code :	19
County ID :	19

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

100
West
1/2-1
4565 ft.

QUALITY BUMPERS
1442 HAYES AVE
LONG BEACH, CA 90813

FINDS
HAZNET
EMI

1006824293
110013828803

Relative:
Lower

FINDS:
Other Pertinent Environmental Activity Identified at Site:
National Emissions Inventory (NEI)

Actual:
7 ft.

HAZNET:
Gepaid: CAL000168124
TSD EPA ID: CAD008252405
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .0583
Waste Category: Unspecified solvent mixture Waste
Disposal Method: Recycler
Contact: RAUL MOLINA
Telephone: (213) 582-2750
Mailing Address: 1442 HAYES AVE
LONG BEACH, CA 90813 - 1124
County: Los Angeles
Gepaid: CAL000168124
TSD EPA ID: CAD008252405
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .0250
Waste Category: Other organic solids
Disposal Method: Recycler
Contact: RAUL MOLINA
Telephone: (213) 582-2750
Mailing Address: 1442 HAYES AVE
LONG BEACH, CA 90813 - 1124
County: Los Angeles

EMISSIONS :
Facility ID : 99793
Air District Code : SC
SIC Code : 7539
Total Priority Score : Not reported
Health Risk Assessment : Not reported
Non-cancer Chronic Haz Index : Not reported
Non-cancer Acute Haz Index : Not reported
Air Basin : SC
Air District Name : SOUTH COAST AQMD
Community Health Air Pollution Info System : Not reported
Consolidated Emission Reporting Rule : Not reported
County Code : 19
County ID : 19

101
ENE
1/2-1
4597 ft.

HI-TECK AUTO REPAIR AND BODY C
235 EAST PACIFIC COAST HWY
LONG BEACH, CA 90806

EMI
1006824542
N/A

Relative:
Higher

EMISSIONS :
Facility ID : 106149
Air District Code : SC
SIC Code : 7532
Total Priority Score : Not reported
Health Risk Assessment : Not reported

Actual:
19 ft.

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

HI-TECK AUTO REPAIR AND BODY C (Continued)

EDR ID Number
EPA ID Number

Database(s)

1006824542

Non-cancer Chronic Haz Index : Not reported
Non-cancer Acute Haz Index : Not reported
Air Basin : SC
Air District Name : SOUTH COAST AQMD
Community Health Air Pollution Info System : Not reported
Consolidated Emission Reporting Rule : Not reported
County Code : 19
County ID : 19

102
SW
1/2-1
4825 ft.

HANJIN TERMINAL
1521 PIER C ST
LONG BEACH, CA 90813

FINDS 1006824579
HAZNET 110013831782
EMI

Relative:
Lower

FINDS:
Other Pertinent Environmental Activity Identified at Site:
National Emissions Inventory (NEI)

Actual:
8 ft.

HAZNET:
Gepaid: CAL000241852
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 3.12
Waste Category: Liquids with halogenated organic compounds > 1000 mg/l
Disposal Method: Recycler
Contact: MARY YLAUAN
Telephone: (562) 495-8571
Mailing Address: 1521 PIER C
LONG BEACH, CA 90813
County Not reported

EMISSIONS :
Facility ID : 102027
Air District Code : SC
SIC Code : 4491
Total Priority Score : Not reported
Health Risk Assessment : Not reported
Non-cancer Chronic Haz Index : Not reported
Non-cancer Acute Haz Index : Not reported
Air Basin : SC
Air District Name : SOUTH COAST AQMD
Community Health Air Pollution Info System : Not reported
Consolidated Emission Reporting Rule : Not reported
County Code : 19
County ID : 19

103
West
1/2-1
5277 ft.

NATIONAL GYPSUM COMPANY
1850 PIER B ST
LONG BEACH, CA 90813

HAZNET U003661324
UST N/A
EMI

Relative:
Lower

Actual:
5 ft.

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NATIONAL GYPSUM COMPANY (Continued)

U003661324

HAZNET:

Gepaid: CAD981456957
TSD EPA ID: CAD982444481
Gen County: Los Angeles
Tsd County: San Bernardino
Tons: 3.3360
Waste Category: Unspecified oil-containing waste
Disposal Method: Recycler
Contact: VICTOR SERENO
Telephone: (562) 435-4465
Mailing Address: 1850 PIER B ST
LONG BEACH, CA 90813 - 2604
County: Los Angeles

Gepaid: CAD981456957
TSD EPA ID: CAD982444481
Gen County: Los Angeles
Tsd County: San Bernardino
Tons: 2.8500
Waste Category: Other organic solids
Disposal Method: Transfer Station
Contact: VICTOR SERENO
Telephone: (562) 435-4465
Mailing Address: 1850 PIER B ST
LONG BEACH, CA 90813 - 2604
County: Los Angeles

Gepaid: CAD981456957
TSD EPA ID: CAD982444481
Gen County: Los Angeles
Tsd County: San Bernardino
Tons: .2085
Waste Category: Aqueous solution with less than 10% total organic residues
Disposal Method: Transfer Station
Contact: VICTOR SERENO
Telephone: (562) 435-4465
Mailing Address: 1850 PIER B ST
LONG BEACH, CA 90813 - 2604
County: Los Angeles

Gepaid: CAD981456957
TSD EPA ID: CAD982444481
Gen County: Los Angeles
Tsd County: San Bernardino
Tons: .2085
Waste Category: Oil/water separation sludge
Disposal Method: Transfer Station
Contact: VICTOR SERENO
Telephone: (562) 435-4465
Mailing Address: 1850 PIER B ST
LONG BEACH, CA 90813 - 2604
County: Los Angeles

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

NATIONAL GYPSUM COMPANY (Continued)

EDR ID Number
EPA ID Number

Database(s)

U003661324

Gepaid: CAD981456957
TSD EPA ID: CAD982444481
Gen County: Los Angeles
Tsd County: San Bernardino
Tons: 2.4750
Waste Category: Other organic solids
Disposal Method: Recycler
Contact: VICTOR SERENO
Telephone: (562) 435-4465
Mailing Address: 1850 PIER B ST
LONG BEACH, CA 90813 - 2604
County Los Angeles

The CA HAZNET database contains 39 additional records for this site.
For more information, please [click here](#) while viewing on your computer,
or contact your EDR Account Executive.

EMISSIONS :

Facility ID : 12428
Air District Code : SC
SIC Code : 3275
Total Priority Score : Not reported
Health Risk Assessment : Not reported
Non-cancer Chronic Haz Index : Not reported
Non-cancer Acute Haz Index : Not reported
Air Basin : SC
Air District Name : SOUTH COAST AQMD
Community Health Air Pollution Info System : Y
Consolidated Emission Reporting Rule : Not reported
County Code : 19
County ID : 19

UST Long Beach:

Total Tanks:	0T	Region:	LONG BEACH
Tank Test:	Not reported	Leak Test:	Not reported

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
COMPTON	1003878484	CHEROKEE TRUCKING	414 E BANNING AVE	90813	CERC-NFRAP
LONG BEACH	U003854640	UNOCAL - TOSCO (2 D/W JOOR)	5630 E 07TH ST		UST
LONG BEACH	U003854639	RECREATION PARK G.C. (1 D/W MODERN	5001 E 07TH ST		UST
LONG BEACH	U003854638	VERIZON TERMINO C.O. (1 D/W JOOR)	3980 E 07TH ST		UST
LONG BEACH	U003854636	LOMA MOBIL (2 D/W TRUSCO)	3605 E 07TH ST		UST
LONG BEACH	U003854635	PRESTIGE SS #9503 (3 10M D/W XERXE	2330 E 07TH ST		UST
LONG BEACH	U003854634	USA GASOLINE CORP #235 (3 D/W MODE	0907 E 07TH ST	90813	UST
LONG BEACH	U003854633	UNITED OIL #18 (3 10M D/W XERXES)	0501 W 07TH ST	90813	UST
LONG BEACH	S103678903	MURPHY IND COATINGS LONG BEACH	HWY 1/103/110 INTERSECTIONS OF		HAZNET
LONG BEACH	S103441348	LONG BEACH DISPOSAL	1327 W. 12TH, LONG BEACH		WMUDS/SWAT
LONG BEACH	U003854663	LACO METRO (2 D/W ACE BUEHLER)	4350 E 208TH ST		UST
LONG BEACH	S103675916	MURPHY INDUSTRIAL COATINGS INC	91/710 / 91/605 RETROFIT		HAZNET
LONG BEACH	S100929265	ALLWASTE ENVIRONMENTAL SERVICES	933 / 925 WEST ESTHER STREET	90813	HAZNET
LONG BEACH	1005904451	CALTRANS	L A 710 PM 6.8/9.7	90813	FINDS, RCRIS-LQG
LONG BEACH	S105911442	GLENN E. THOMAS AUTO (FORMER)	340 ANAHEIM	90813	CA SLIC
LONG BEACH	U003937794	ARCO #9505	998 E ANAHEIM ST	90813	UST
LONG BEACH	S103678152	PORT OF LONG BEACH	ANAHEIM ST BRIDGE LA RIVER		HAZNET
LONG BEACH	S102060598	LA CO DPW FLOOD LOS ALTOS PP	6560 E ANAHEIM RD		LOS ANGELES CO. HMS
LONG BEACH	S105181182	LONG BEACH TRANSIT	1963 ANAHEIM ST	90813	LUST
LONG BEACH	U003854701	LONG BEACH MARINE BUREAU (500 D/W	6101 APPIAN WAY		UST
LONG BEACH	S103976515	MARTIN CONTAINER INC	710 FREEWAY NORTHBOUND	90813	HAZNET
LONG BEACH	U003854773	LA CO PUB WRKS (SEASIDE PUMP) D/W	0600 GOLDEN SHORE		UST
LONG BEACH	S105887467		301 HANJIN RD.		HAZNET, CHMIRS
LONG BEACH	S106116214	APM TERMINALS	570 HARBOR SCENIC WAY PIER J	90802	LUST
LONG BEACH	S100204232	EDISON/LONG BEACH II MGP	INTERSECTION OCEAN BLVD/E	90802	Cal-Sites, Cortese
LONG BEACH	U003854790	THE BOEING CO (3 D/W TANKS)	3855 LAKEWOOD BLVD		UST
LONG BEACH	U003854794	VERIZON L.B. TOLL/NACC (35M D/W JO	5077 LEW DAVIS DR		UST
LONG BEACH	S103992532		LONG BEACH HARBOR		HAZNET, CHMIRS
LONG BEACH	S102360927	LA CITY ENERGY RECOVERY PROJECT (R	LONG BEACH AVE @ MARTIN LUTHER		SWF/LF
LONG BEACH	S102360798	SAN CARLOS DUMP	LONG BEACH FWY NEAR LA RIVER		SWF/LF
LONG BEACH	U003920394	APRO, LLC (2 15M D/W XERXES)	3565 LOS COYOTES DIAG		UST
LONG BEACH	U003920393	ARCO FAC. #9519-CORP LEASE (3 D/W	3100 LOS COYOTES DIAG		UST
LONG BEACH	U003660994	CBHS @ LOS ALTOS - 1 S/W STEEL	3340 LOS COYOTES DIAG		UST
LONG BEACH	S105003788	SITE #4 - MOLE EXTENSION OPERATIO	US NAVAL STATION ON THE JETTY		SWF/LF
LONG BEACH	S105003789	SITE # 5 SKEET RANGE SW FILL AREA	NAVAY WAY AND PILCHARD STREET		SWF/LF
LONG BEACH	S104573040	STATE OF CALIFORNIA	ON NICHOLSON AVE NORTH OF WEST	90813	HAZNET
LONG BEACH	1000231526	USNAVY LONG BEACH NAVAL SHIPYARD	TERMINAL ISLAND NAVAL COMPLEX		PADS, HAZNET, CHMIRS, RCRIS-LQ RCRIS-TSD, CORRACTS, HIST UST, VCP
LONG BEACH	S102360871	US NAVAL BASE TERMINAL ISLAND(THE	TERMINAL ISLAND, LONG BEACH		SWF/LF
LONG BEACH	S106198551	LA COUNTY FLOOD CONTROL DUMP	SW WESTMINSTERAVE AND HWY 1 (P		SWF/LF
LOS ANGELES COUNTY	S105637568		BERTH 70, LONG BEACH HARBOUR		HAZNET, CHMIRS
LOS ANGELES COUNTY	S105641187		BERTH 30 LONG BEACH HARBOUR		HAZNET, CHMIRS

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
LOS ANGELES COUNTY	S105630661		FLORENCE AVE / TELEGRAPH RD WH		LUST, CHMIRS
WILMINGTON	S103678151	PORT OF LONG BEACH	ANAHEIM ST BETW FARRAGUT / I S	90813	HAZNET

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
CHEROKEE TRUCKING 414 E BANNING AVE COMPTON, CA 90813 CERCLIS-NFRAP Classification Data: Site Incident Category: Non-Oil Spill Non NPL Code: NFRAP Ownership Status: Private Site Description: SEE COMMENT GROUP 002 CERCLIS-NFRAP Assessment History: Assessment: DISCOVERY Assessment: PRELIMINARY ASSESSMENT Assessment: REMOVAL Assessment: SITE INSPECTION Assessment: SITE INSPECTION Assessment: ARCHIVE SITE CERCLIS-NFRAP Alias Name(s): CROSBY & OVERTON INC	CERC-NFRAP	1003878484 CAD980636542
UNOCAL - TOSCO (2 D/W JOOR) 5630 E 07TH ST LONG BEACH, CA UST Long Beach: Total Tanks: 2T Tank Test: Dual Walled	Federal Facility: Not a Federal Facility NPL Status: Not on the NPL Completed: 06/01/1981 Completed: 09/01/1984 Completed: 02/16/1985 Completed: 10/04/1989 Completed: 01/23/1992 Completed: 01/23/1996	UST U003854640 N/A
RECREATION PARK G.C. (1 D/W MODERN) 5001 E 07TH ST LONG BEACH, CA UST Long Beach: Total Tanks: 1T Tank Test: Dual Walled	Region: LONG BEACH Leak Test: Not reported	UST U003854639 N/A
VERIZON TERMINO C.O. (1 D/W JOOR) 3980 E 07TH ST LONG BEACH, CA UST Long Beach: Total Tanks: 1T Tank Test: Dual Walled	Region: LONG BEACH Leak Test: Not reported	UST U003854638 N/A
LOMA MOBIL (2 D/W TRUSCO) 3605 E 07TH ST LONG BEACH, CA UST Long Beach: Total Tanks: 2T Tank Test: Dual Walled	Region: LONG BEACH Leak Test: Not reported	UST U003854636 N/A

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
PRESTIGE SS #9503 (3 10M D/W XERXES) 2330 E 07TH ST LONG BEACH, CA UST Long Beach: Total Tanks: 3T Tank Test: Dual Walled Region: LONG BEACH Leak Test: Not reported	UST	U003854635 N/A
USA GASOLINE CORP #235 (3 D/W MODERN) 0907 E 07TH ST LONG BEACH, CA UST Long Beach: Total Tanks: 3T Tank Test: Dual Walled Region: LONG BEACH Leak Test: Not reported	UST	U003854634 N/A
UNITED OIL #18 (3 10M D/W XERXES) 0501 W 07TH ST LONG BEACH, CA UST Long Beach: Total Tanks: 3T Tank Test: Dual Walled Region: LONG BEACH Leak Test: Not reported	UST	U003854633 N/A
MURPHY IND COATINGS LONG BEACH HWY 1/103/110 INTERSECTIONS OF LONG BEACH, CA 00000 HAZNET: Gepaid: CAP600928619 TSD EPA ID: CAD000088252 Gen County: 0 Tsd County: Los Angeles Tons: 1.6856 Waste Category: Other inorganic solid waste Disposal Method: Transfer Station Contact: Not reported Telephone: (000) 000-0000 Mailing Address: 00000 County: 0	HAZNET	S103678903 N/A
LONG BEACH DISPOSAL 1327 W. 12TH, LONG BEACH LONG BEACH, CA WMUDS: Region: 4 Date of Last Facility Edit: Not reported Last Facility Editors: Not reported Waste Discharge System ID: 4 190076NUR Solid Waste Information ID: Not reported Waste Discharge System: False Solid Waste Assessment Test Program: True Facility Name: Not reported Toxic Pits Cleanup Act Program: False Resource Conservation Recovery Act Program: False Department of Defense: False Open to Public: False Number of WMUDS at Facility: 1	WMUDS/SWAT	S103441348 N/A

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
LONG BEACH DISPOSAL (Continued)		S103441348
Facility Telephone:	Not reported	
Primary Standard Industrial Classification:	Not reported	
Secondary Standard Industrial Classification:	Not reported	
Solid Waste Assessment Test Program Name:	HERMAN WEISSKEN INCORPORATED	
NPID:	Not reported	
Tonnage:	0	
Regional Board ID:	Not reported	
Municipal Solid Waste:	False	
Superorder:	False	
Sub Chapter 15:	False	
Reg. Board Project Officer:	LT	
Section Range:	Not reported	
RCRA Facility:	Not reported	
Waste Discharge Requirements:	Not reported	
Base Meridian:	Not reported	
Waste List:	False	
Facility Description:	Not reported	
Self-Monitoring Rept. Frequency:	Not reported	
Threat to Water Quality:	Not reported	
Agency:	HERMAN WEISSKEN INCORPORATED	
Address:	Not reported	
Department:	Not reported	
Contact:	Not reported	
Telephone:	Not reported	
Landowner:	Not reported	
Address:	CA	
Telephone:	Not reported	
Contact:	Not reported	
LACO METRO (2 D/W ACE BUEHLER)	UST	U003854663
4350 E 208TH ST		N/A
LONG BEACH, CA		
UST Long Beach:		
Total Tanks:	2T	Region: LONG BEACH
Tank Test:	Dual Walled	Leak Test: Not reported
MURPHY INDUSTRIAL COATINGS INC	HAZNET	S103675916
91/710 / 91/605 RETROFIT		N/A
LONG BEACH, CA 00000		
HAZNET:		
Gepaid:	CAP600928421	
TSD EPA ID:	CAT000646117	
Gen County:	0	
Tsd County:	Kings	
Tons:	3.0000	
Waste Category:	Other inorganic solid waste	
Disposal Method:	Treatment, Tank	
Contact:	Not reported	
Telephone:	(000) 000-0000	
Mailing Address:	00000	
County:	0	

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
MURPHY INDUSTRIAL COATINGS INC (Continued)		S103675916
Gepaid: CAP600928421 TSD EPA ID: CAD000088252 Gen County: 0 Tsd County: Los Angeles Tons: 2.5284 Waste Category: Other inorganic solid waste Disposal Method: Transfer Station Contact: Not reported Telephone: (000) 000-0000 Mailing Address: 00000 County: 0		
ALLWASTE ENVIRONMENTAL SERVICES 933 / 925 WEST ESTHER STREET LONG BEACH, CA 90813 HAZNET: Gepaid: CAL920355659 TSD EPA ID: CAT000646117 Gen County: Los Angeles Tsd County: Kings Tons: .2000 Waste Category: Unspecified sludge waste Disposal Method: Disposal, Land Fill Contact: JOSEPH A CASE Telephone: (310) 590-8626 Mailing Address: 933 & 925 WEST ESTHER STREET LONG BEACH, CA 90813 County: Los Angeles Gepaid: CAL920355659 TSD EPA ID: CAT000646117 Gen County: Los Angeles Tsd County: Kings Tons: 2.6000 Waste Category: Empty containers less than 30 gallons Disposal Method: Disposal, Land Fill Contact: JOSEPH A CASE Telephone: (310) 590-8626 Mailing Address: 933 & 925 WEST ESTHER STREET LONG BEACH, CA 90813 County: Los Angeles Gepaid: CAL920355659 TSD EPA ID: CAT000646117 Gen County: Los Angeles Tsd County: Kings Tons: .4000 Waste Category: Contaminated soil from site clean-ups Disposal Method: Disposal, Land Fill Contact: JOSEPH A CASE Telephone: (310) 590-8626 Mailing Address: 933 & 925 WEST ESTHER STREET LONG BEACH, CA 90813 County: Los Angeles	HAZNET	S100929265 N/A

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
CALTRANS L A 710 PM 6.8/9.7 LONG BEACH, CA 90813 RCRIS: Owner: CALTRANS (562) 860-3085 EPA ID: CAR000122812 Contact: JOSEPH TEHRANI (562) 860-3085 Classification: Large Quantity Generator TSDF Activities: Not reported Violation Status: No violations found FINDS: Other Pertinent Environmental Activity Identified at Site: Resource Conservation and Recovery Act Information system (RCRAINFO)	RCRIS-LQG FINDS	1005904451 CAR000122812
GLENN E. THOMAS AUTO (FORMER) 340 ANAHEIM LONG BEACH, CA 90813 SLIC Region 4: Facility Status: Closure Region: 4 SLIC 0657 Staff: Not reported Substance: TPH	CA SLIC	S105911442 N/A
ARCO #9505 998 E ANAHEIM ST LONG BEACH, CA State UST: Facility ID: 19-060-005814 Region: STATE Local Agency: Long Beach, Los Angeles County	UST	U003937794 N/A
PORT OF LONG BEACH ANAHEIM ST BRIDGE LA RIVER LONG BEACH, CA 00000 HAZNET: Gepaid: CAP601252022 TSD EPA ID: CAT000646117 Gen County: 0 Tsd County: Kings Tons: 3.3712 Waste Category: Other inorganic solid waste Disposal Method: Treatment, Tank Contact: Not reported Telephone: (000) 000-0000 Mailing Address: 00000 County 0	HAZNET	S103678152 N/A

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
LA CO DPW FLOOD LOS ALTOS PP 6560 E ANAHEIM RD LONG BEACH, CA	LOS ANGELES CO. HMS	S102060598 N/A
HMS:		
Facility Id:	010782-010742	
Area:	1C	
Facility Type:	Not reported	
Permit Number:	174	Permit Status: Not reported
Facility Status:	OPEN	
Region:	Los Angeles County:	
LONG BEACH TRANSIT 1963 ANAHEIM ST LONG BEACH, CA 90813	LUST	S105181182 N/A
State LUST:		
Cross Street:	CHERRY AVE	
Qty Leaked:	0	
Case Number	908130652	
Reg Board:	4	
Chemical:	12044	
Lead Agency:	Regional Board	
Local Agency :	Not reported	
Case Type:	Other ground water affected	
Status:	Preliminary site assessment underway	
Review Date:	Not reported	Confirm Leak: Not reported
Workplan:	6/7/02 0:00	Prelim Assess: 6/7/02 0:00
Pollution Char:	Not reported	Remed Plan: Not reported
Remed Action:	Not reported	
Monitoring:	10/24/01 0:00	
Close Date:	Not reported	
Release Date:	10/24/2001	
Cleanup Fund Id :	Not reported	
Discover Date :	/ /	
Enforcement Dt :	Not reported	
Enf Type:	MRP	
Enter Date :	Not reported	
Funding:	Not reported	
Staff Initials:	Not reported	
How Discovered:	OM	
How Stopped:	Not reported	
Interim :	Not reported	
Leak Cause:	UNK	
Leak Source:	Piping	
MTBE Date :	7/9/01 0:00	
Max MTBE GW :	180000 Parts per Billion	
MTBE Tested:	MTBE Detected. Site tested for MTBE & MTBE detected	
Priority:	Not reported	
Local Case # :	0	
Beneficial:	Not reported	
Staff :	HSP	
GW Qualifier :	Not reported	
Max MTBE Soil :	Not reported	
Soil Qualifier :	Not reported	
Hydr Basin #:	SAN FERNANDO VALLEY	
Operator :	Not reported	
Oversight Prgm:	LUST	
Review Date :	7/12/02 0:00	
Stop Date :	/ /	

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
LONG BEACH TRANSIT (Continued)		S105181182
Work Suspended :Not reported		
Responsible PartyJOHN CARLSON		
RP Address: 1963 E. ANAHEIM ST.		
Global Id: T060378240		
Org Name: Not reported		
Contact Person: Not reported		
MTBE Conc: Not reported		
Mtbe Fuel: Not reported		
Water System Name: Not reported		
Well Name: Not reported		
Distance To Lust: 0		
Waste Discharge Global ID: Not reported		
Waste Disch Assigned Name: Not reported		
LUST Region 4:		
Report Date: 10/24/2001		
Lead Agency: Regional Board		
Local Agency: 0		
Substance: 12044		
Case Type: Groundwater		
Status: Preliminary site assessment underway		
Region: 4		
Staff: HSP		
Date Case Last Changed on Database: 7/12/02		
Date Leak Record Entered: Not reported		
Historical Max MTBE Date: 7/9/01		
GW Qualifier: Not reported		
Soil Qualifier: Not reported		
Hist Max MTBE Conc in Groundwater: 180000		
Hist Max MTBE Conc in Soil : Not reported		
County: Los Angeles		
Organization : Not reported		
Regional Board: 4		
Owner Contact: Not reported		
Responsible Party: JOHN CARLSON		
RP Address: 1963 E. ANAHEIM ST.		
Significant Interim Remedial Action Taken: Not reported		
Program : LUST		
Lat / Long : 34 / -118		
Local Agency Staff: Not reported		
Summary : Haz Mat incident report filed		
Hydrologic Basin # : SAN FERNANDO VALLEY		
Beneficial Use : Not reported		
Priority : Not reported		
Cleanup Fund Id : Not reported		
Suspended : Not reported		
Local Case No : Not reported		
Substance Quantity : 0		
Abatement Method Used at the Site: Not reported		
Operator : Not reported		
Water System : Not reported		
Well Name : Not reported		
Approx. Dist To Production Well (ft) : 15932.76339		
Assigned Name : Not reported		
Source of Cleanup Funding: Not reported		
Date the Leak was Discovered: / /		
How the Leak was Discovered: OM		

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
LONG BEACH TRANSIT (Continued)		S105181182
How the Leak was Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	Piping	
Date The Leak was Stopped:	Not reported	
Date Confirmation Leak Began:	Not reported	
Preliminary Site Assessment Workplan Submitted:	2/20/02	
Preliminary Site Assessment Began:	6/7/02	
Pollution Characterization Began:	5/3/02	
Remediation Plan Submitted:	Not reported	
Remedial Action Underway:	Not reported	
Post Remedial Action Monitoring Began:	10/24/01	
Date the Case was Closed:	Not reported	
Enforcement Action Date:	Not reported	
Date Leak First Reported:	10/24/2001	
Enforcement Type:	MRP	
Global ID :	T060378240	
Cross Street:	CHERRY AVE	
LONG BEACH MARINE BUREAU (500 D/W JOOR) 6101 APPIAN WAY LONG BEACH, CA	UST	U003854701 N/A
UST Long Beach:		
Total Tanks: 1T	Region: LONG BEACH	
Tank Test: Dual Walled	Leak Test: Not reported	
MARTIN CONTAINER INC 710 FREEWAY NORTHBOUND LONG BEACH, CA 90813	HAZNET	S103976515 N/A
HAZNET:		
Gepaid: CAC001361064		
TSD EPA ID: CAD028409019		
Gen County: Los Angeles		
Tsd County: Los Angeles		
Tons: .1500		
Waste Category: Unspecified oil-containing waste		
Disposal Method: Transfer Station		
Contact: MARTIN CONTAINER		
Telephone: (310) 830-5000		
Mailing Address: 1402 EAST LOMITA BLVD		
WILMINGTON, CA 90748		
County: Los Angeles		
LA CO PUB WRKS (SEASIDE PUMP) D/W TRUSCO 0600 GOLDEN SHORE LONG BEACH, CA	UST	U003854773 N/A
UST Long Beach:		
Total Tanks: 1T	Region: LONG BEACH	
Tank Test: Dual Walled	Leak Test: Not reported	

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
301 HANJIN RD. LONG BEACH, CA	CHMIRS HAZNET	S105887467 N/A
CHMIRS:		
OES Control Number:	02-6656	
Chemical Name:	Oil	
Extent of Release:	Not reported	
Property Use:	Not reported	
Incident Date:	Not reported	
Date Completed:	Not reported	
Time Completed :	Not reported	
Agency Id Number :	Not reported	
Agency Incident Number :	Not reported	
OES Incident Number :	02-6656	
Time Notified :	Not reported	
Surrounding Area :	Not reported	
Estimated Temperature :	Not reported	
Property Management :	Not reported	
More Than Two Substances Involved? :	Not reported	
Special Studies 1 :	Not reported	
Special Studies 2 :	Not reported	
Special Studies 3 :	Not reported	
Special Studies 4 :	Not reported	
Special Studies 5 :	Not reported	
Special Studies 6 :	Not reported	
Responding Agency Personel # Of Injuries :	0	
Responding Agency Personel # Of Fatalities :	0	
Resp Agncy Personel # Of Decontaminated :	Not reported	
Others Number Of Decontaminated :	Not reported	
Others Number Of Injuries :	Not reported	
Others Number Of Fatalities :	Not reported	
Vehicle Make/year :	Not reported	
Vehicle License Number :	Not reported	
Vehicle State :	Not reported	
Vehicle Id Number :	Not reported	
CA/DOT/PUC/ICC Number :	Not reported	
Company Name :	Not reported	
Reporting Officer Name/ID :	Not reported	
Report Date :	Not reported	
Comments :	Not reported	
Facility Telephone Number :	Not reported	
Waterway Involved :	Yes	
Waterway :	Storm Drain	
Spill Site :	Other	
Cleanup By :	Responsible Party	
Containment :	Unknown	
What Happened :	Report of oil leaking from engine of tractor and an unknown amount has spilled into a storm drain.	
Type :	Gal(s)	
Other :	Not reported	
Chemical 1 :	Not Reported	
Chemical 2 :	Not Reported	
Chemical 3 :	Not Reported	
Date/Time :	12/9/2002 1025	
Evacuations :	0	

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
(Continued)		S105887467
HAZNET:		
Gepaid:	CAL000258772	
TSD EPA ID:	Not reported	
Gen County:	Los Angeles	
Tsd County:	Los Angeles	
Tons:	2.19	
Waste Category:	Unspecified oil-containing waste	
Disposal Method:	Recycler	
Contact:	MR THOMAS BOWLER, MGR	
Telephone:	(562) 256-2773	
Mailing Address:	5944 CAMERINO ST LAKEWOOD, CA 90713	
County	Not reported	
Gepaid:	CAC002558659	
TSD EPA ID:	Not reported	
Gen County:	Los Angeles	
Tsd County:	Los Angeles	
Tons:	0.10	
Waste Category:	Other organic solids	
Disposal Method:	Disposal, Land Fill	
Contact:	CATHY CHOI	
Telephone:	(310) 515-5777	
Mailing Address:	415 W 130TH ST LOS ANGELES, CA 90061	
County	Not reported	

APM TERMINALS 570 HARBOR SCENIC WAY PIER J LONG BEACH, CA 90802

**LUST S106116214
N/A**

State LUST:

Cross Street: Not reported
Qty Leaked: 0
Case Number 908020370
Reg Board: 4
Chemical: Gasoline
Lead Agency: Regional Board
Local Agency : 19060
Case Type: Undefined
Status: Leak being confirmed
Review Date: 8/15/03 0:00
Workplan: Not reported
Pollution Char: Not reported
Remed Action: Not reported
Monitoring: Not reported
Close Date: Not reported
Release Date: 02/28/2003
Cleanup Fund Id : Not reported
Discover Date : 02/28/2003
Enforcement Dt : Not reported
Enf Type: SEL
Enter Date : Not reported
Funding: Not reported
Staff Initials: Not reported
How Discovered: Not reported
How Stopped: Not reported
Interim : Not reported

Confirm Leak: 8/15/03 0:00
Prelim Assess: Not reported
Remed Plan: Not reported

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
APM TERMINALS (Continued)		S106116214
Leak Cause: Not reported		
Leak Source: Not reported		
MTBE Date : Not reported		
Max MTBE GW : Not reported		
MTBE Tested: Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.		
Priority: Not reported		
Local Case # : 0		
Beneficial: Not reported		
Staff : JFL		
GW Qualifier : Not reported		
Max MTBE Soil : Not reported		
Soil Qualifier : Not reported		
Hydr Basin #: Not reported		
Operator : Not reported		
Oversight Prgm: LUST		
Review Date : Not reported		
Stop Date : / /		
Work Suspended :Not reported		
Responsible PartyKIMERLY GUIGNARD		
RP Address: 925 HARBOR DR.		
Global Id: T0603758844		
Org Name: Not reported		
Contact Person: Not reported		
MTBE Conc: Not reported		
Mtbe Fuel: Not reported		
Water System Name: Not reported		
Well Name: Not reported		
Distance To Lust: 0		
Waste Discharge Global ID: Not reported		
Waste Disch Assigned Name: Not reported		
LUST Region 4:		
Report Date: 02/28/2003		
Lead Agency: Regional Board		
Local Agency: 19060		
Substance: Gasoline		
Case Type: Undefined		
Status: Leak being confirmed		
Region: 4		
Staff: JFL		
Date Case Last Changed on Database:	Not reported	
Date Leak Record Entered:	Not reported	
Historical Max MTBE Date:	Not reported	
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Hist Max MTBE Conc in Groundwater:	Not reported	
Hist Max MTBE Conc in Soil :	Not reported	
County:	Los Angeles	
Organization :	Not reported	
Regional Board:	4	
Owner Contact: Not reported		
Responsible Party:	KIMERLY GUIGNARD	
RP Address:	925 HARBOR DR.	
Significant Interim Remedial Action Taken:	Not reported	
Program :	LUST	
Lat / Long :	0 / 0	
Local Agency Staff:	Not reported	

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
APM TERMINALS (Continued)		S106116214
Summary :	Not reported	
Hydrologic Basin # :	Not reported	
Beneficial Use :	Not reported	
Priority :	Not reported	
Cleanup Fund Id :	Not reported	
Suspended :	Not reported	
Local Case No :	Not reported	
Substance Quantity :	0	
Abatement Method Used at the Site:	Not reported	
Operator :	Not reported	
Water System :	Not reported	
Well Name :	Not reported	
Approx. Dist To Production Well (ft) :	Not reported	
Assigned Name :	Not reported	
Source of Cleanup Funding:	Not reported	
Date the Leak was Discovered:	02/28/2003	
How the Leak was Discovered:	Not reported	
How the Leak was Stopped:	Not reported	
Cause of Leak:	Not reported	
Leak Source:	Not reported	
Date The Leak was Stopped:	Not reported	
Date Confirmation Leak Began:	8/15/03	
Preliminary Site Assessment Workplan Submitted:	Not reported	
Preliminary Site Assessment Began:	Not reported	
Pollution Characterization Began:	Not reported	
Remediation Plan Submitted:	Not reported	
Remedial Action Underway:	Not reported	
Post Remedial Action Monitoring Began:	Not reported	
Date the Case was Closed:	Not reported	
Enforcement Action Date:	Not reported	
Date Leak First Reported:	02/28/2003	
Enforcement Type:	SEL	
Global ID :	T0603758844	
Cross Street:	Not reported	

**EDISON/LONG BEACH II MGP
INTERSECTION OCEAN BLVD/E
LONG BEACH, CA 90802**

**Cortese S100204232
Cal-Sites N/A**

CORTESE:

Region: CORTESE
Fac Address 2: Not reported

CAL-SITES:

Facility ID 19490213
Status: ERAP
Status Date: 10/25/1995
Lead: DTSC
Region: 4 - CYPRESS
Branch: CC - CENTRAL CALIFORNIA
File Name: TOWN GAS PLANT LONG BEACH II
Status Name: EXPEDITED REMEDIAL ACTION PROGRAM SITES
Lead Agency: DEPT OF TOXIC SUBSTANCES CONTROL Not reported
NPL: Not Listed
SIC: 49 ELECTRIC, GAS & SANITARY SERVICES
Facility Type: ERAP
Type Name: EXPEDITED REMEDIAL ACTION PROGRAM
Staff Member Responsible for Site: MVIVAS
Supervisor Responsible for Site: Not reported

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
EDISON/LONG BEACH II MGP (Continued)		S100204232
Region Water Control Board: LA - LOS ANGELES Access: Uncontrolled Cortese: U Hazardous Ranking Score: Not reported Date Site Hazard Ranked: Not reported Groundwater Contamination: Not reported No. of Contamination Sources: 0.00000 Lat/Long: 0.00000° 0.00000' 0.00000" / 0.00000° 0.00000' 0.00000" Lat/long Method: Not reported State Assembly District Code: 54 State Senate District: 27		
The CAL-SITES database may contain additional details for this site. Please contact your EDR Account Executive for more information.		
THE BOEING CO (3 D/W TANKS) 3855 LAKEWOOD BLVD LONG BEACH, CA	UST	U003854790 N/A
UST Long Beach: Total Tanks: 3T Tank Test: Dual Walled	Region: LONG BEACH Leak Test: Not reported	
VERIZON L.B. TOLL/NACC (35M D/W JOOR) 5077 LEW DAVIS DR LONG BEACH, CA	UST	U003854794 N/A
UST Long Beach: Total Tanks: 1T Tank Test: Dual Walled	Region: LONG BEACH Leak Test: Not reported	
LONG BEACH HARBOR LONG BEACH, CA 0	CHMIRS HAZNET	S103992532 N/A
CHMIRS: OES Control Number: 14634 Chemical Name: lube oil Extent of Release: Not reported Property Use: Not reported Incident Date: Not reported Date Completed: Not reported Time Completed : Not reported Agency Id Number : Not reported Agency Incident Number : Not reported OES Incident Number : 14634 Time Notified : Not reported Surrounding Area : Not reported Estimated Temperature : Not reported Property Management : Not reported More Than Two Substances Involved? : Not reported Special Studies 1 : Not reported Special Studies 2 : Not reported Special Studies 3 : Not reported Special Studies 4 : Not reported Special Studies 5 : Not reported Special Studies 6 : Not reported		

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
(Continued)		S103992532
Responding Agency Personel # Of Injuries : NO Responding Agency Personel # Of Fatalities : NO Resp Agncy Personel # Of Decontaminated : Not reported Others Number Of Decontaminated : Not reported Others Number Of Injuries : Not reported Others Number Of Fatalities : Not reported Vehicle Make/year : Not reported Vehicle License Number : Not reported Vehicle State : Not reported Vehicle Id Number : Not reported CA/DOT/PUC/ICC Number : Not reported Company Name : Not reported Reporting Officer Name/ID : Not reported Report Date : Not reported Comments : Not reported Facility Telephone Number : Not reported Waterway Involved : NO Waterway : pacific ocean Spill Site : SHP Cleanup By : Not reported Containment : YES What Happened : lube oil leaking from stern tube into the ocean. ship "seagrace" approximately 12 miles offshore, coming into dock today for repairs. Type : PETROLEUM Other : Not reported Chemical 1 : Not Reported Chemical 2 : Not Reported Chemical 3 : Not Reported Date/Time : 0800/7-11-96 Evacuations : NO OES Control Number: 14061 Chemical Name: hydraulic fluid Extent of Release: Not reported Property Use: Not reported Incident Date: Not reported Date Completed: Not reported Time Completed : Not reported Agency Id Number : Not reported Agency Incident Number : Not reported OES Incident Number : 14061 Time Notified : Not reported Surrounding Area : Not reported Estimated Temperature : Not reported Property Management : Not reported More Than Two Substances Involved? : Not reported Special Studies 1 : Not reported Special Studies 2 : Not reported Special Studies 3 : Not reported Special Studies 4 : Not reported Special Studies 5 : Not reported Special Studies 6 : Not reported Responding Agency Personel # Of Injuries : NO Responding Agency Personel # Of Fatalities : NO Resp Agncy Personel # Of Decontaminated : Not reported Others Number Of Decontaminated : Not reported Others Number Of Injuries : Not reported		

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
(Continued)		S103992532
Others Number Of Fatalities :	Not reported	
Vehicle Make/year :	Not reported	
Vehicle License Number :	Not reported	
Vehicle State :	Not reported	
Vehicle Id Number :	Not reported	
CA/DOT/PUC/ICC Number :	Not reported	
Company Name :	Not reported	
Reporting Officer Name/ID :	Not reported	
Report Date :	Not reported	
Comments :	Not reported	
Facility Telephone Number :	Not reported	
Waterway Involved :	YES	
Waterway :	long beach harbor	
Spill Site :	Not reported	
Cleanup By :	connolly pacific	
Containment :	YES	
What Happened :	hydraulic line was sheared by pile driver	
Type :	PETROLEUM	
Other :	Not reported	
Chemical 1 :	Not Reported	
Chemical 2 :	Not Reported	
Chemical 3 :	Not Reported	
Date/Time :	0645/05jun96	
Evacuations :	NO	
OES Control Number:	00-1003	
Chemical Name:	Diesel	
Extent of Release:	Not reported	
Property Use:	Not reported	
Incident Date:	Not reported	
Date Completed:	Not reported	
Time Completed :	Not reported	
Agency Id Number :	Not reported	
Agency Incident Number :	Not reported	
OES Incident Number :	00-1003	
Time Notified :	Not reported	
Surrounding Area :	Not reported	
Estimated Temperature :	Not reported	
Property Management :	Not reported	
More Than Two Substances Involved? :	Not reported	
Special Studies 1 :	Not reported	
Special Studies 2 :	Not reported	
Special Studies 3 :	Not reported	
Special Studies 4 :	Not reported	
Special Studies 5 :	Not reported	
Special Studies 6 :	Not reported	
Responding Agency Personel # Of Injuries :	0	
Responding Agency Personel # Of Fatalities :	0	
Resp Agncy Personel # Of Decontaminated :	Not reported	
Others Number Of Decontaminated :	Not reported	
Others Number Of Injuries :	Not reported	
Others Number Of Fatalities :	Not reported	
Vehicle Make/year :	Not reported	
Vehicle License Number :	Not reported	
Vehicle State :	Not reported	
Vehicle Id Number :	Not reported	
CA/DOT/PUC/ICC Number :	Not reported	
Company Name :	Not reported	

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
(Continued)		S103992532
Reporting Officer Name/ID :	Not reported	
Report Date :	Not reported	
Comments :	Not reported	
Facility Telephone Number :	Not reported	
Waterway Involved :	Yes	
Waterway :	Long Beach Harbor	
Spill Site :	Waterways	
Cleanup By :	Unknown	
Containment :	No	
What Happened :	USCG received a radio transmission from a nearby vessel of a sheen sighting near Pier 400 which is approx 20' by 1 mile.	
Type :	PETROLEUM	
Other :	Not reported	
Chemical 1 :	Not Reported	
Chemical 2 :	Not Reported	
Chemical 3 :	Not Reported	
Date/Time :	3/1/00 1530	
Evacuations :	0	
OES Control Number:	01-6395	
Chemical Name:	Unknown Oil	
Extent of Release:	Not reported	
Property Use:	Not reported	
Incident Date:	Not reported	
Date Completed:	Not reported	
Time Completed :	Not reported	
Agency Id Number :	Not reported	
Agency Incident Number :	Not reported	
OES Incident Number :	01-6395	
Time Notified :	Not reported	
Surrounding Area :	Not reported	
Estimated Temperature :	Not reported	
Property Management :	Not reported	
More Than Two Substances Involved? :	Not reported	
Special Studies 1 :	Not reported	
Special Studies 2 :	Not reported	
Special Studies 3 :	Not reported	
Special Studies 4 :	Not reported	
Special Studies 5 :	Not reported	
Special Studies 6 :	Not reported	
Responding Agency Personel # Of Injuries :	0	
Responding Agency Personel # Of Fatalities :	0	
Resp Agncy Personel # Of Decontaminated :	Not reported	
Others Number Of Decontaminated :	Not reported	
Others Number Of Injuries :	Not reported	
Others Number Of Fatalities :	Not reported	
Vehicle Make/year :	Not reported	
Vehicle License Number :	Not reported	
Vehicle State :	Not reported	
Vehicle Id Number :	Not reported	
CA/DOT/PUC/ICC Number :	Not reported	
Company Name :	Not reported	
Reporting Officer Name/ID :	Not reported	
Report Date :	Not reported	
Comments :	Not reported	
Facility Telephone Number :	Not reported	
Waterway Involved :	Yes	
Waterway :	Long Beach Harbor	

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
(Continued)		S103992532
Spill Site :	Waterways	
Cleanup By :	Unknown	
Containment :	Unknown	
What Happened :	Caller reports an unknown sheen on the water.	
Type :	PETROLEUM	
Other :	Not reported	
Chemical 1 :	Not Reported	
Chemical 2 :	Not Reported	
Chemical 3 :	Not Reported	
Date/Time :	11/5/01 900	
Evacuations :	0	
OES Control Number:	01-4823	
Chemical Name:	oil	
Extent of Release:	Not reported	
Property Use:	Not reported	
Incident Date:	Not reported	
Date Completed:	Not reported	
Time Completed :	Not reported	
Agency Id Number :	Not reported	
Agency Incident Number :	Not reported	
OES Incident Number :	01-4823	
Time Notified :	Not reported	
Surrounding Area :	Not reported	
Estimated Temperature :	Not reported	
Property Management :	Not reported	
More Than Two Substances Involved? :	Not reported	
Special Studies 1 :	Not reported	
Special Studies 2 :	Not reported	
Special Studies 3 :	Not reported	
Special Studies 4 :	Not reported	
Special Studies 5 :	Not reported	
Special Studies 6 :	Not reported	
Responding Agency Personnel # Of Injuries :	0	
Responding Agency Personnel # Of Fatalities :	0	
Resp Agency Personnel # Of Decontaminated :	Not reported	
Others Number Of Decontaminated :	Not reported	
Others Number Of Injuries :	Not reported	
Others Number Of Fatalities :	Not reported	
Vehicle Make/year :	Not reported	
Vehicle License Number :	Not reported	
Vehicle State :	Not reported	
Vehicle Id Number :	Not reported	
CA/DOT/PUC/ICC Number :	Not reported	
Company Name :	Not reported	
Reporting Officer Name/ID :	Not reported	
Report Date :	Not reported	
Comments :	Not reported	
Facility Telephone Number :	Not reported	
Waterway Involved :	Yes	
Waterway :	Pacific Ocean	
Spill Site :	Ship/Harbor/Port	
Cleanup By :	Unknown	
Containment :	No	
What Happened :	Per the NRC report, the caller sighted an orphan silver colored sheen approximately 20 meters long.	
Type :	PETROLEUM	
Other :	Not reported	

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
(Continued)		S103992532
Chemical 1 :	Not Reported	
Chemical 2 :	Not Reported	
Chemical 3 :	Not Reported	
Date/Time :	8/24/01 730	
Evacuations :	0	
OES Control Number:	01-3684	
Chemical Name:	Unknown Oil	
Extent of Release:	Not reported	
Property Use:	Not reported	
Incident Date:	Not reported	
Date Completed:	Not reported	
Time Completed :	Not reported	
Agency Id Number :	Not reported	
Agency Incident Number :	Not reported	
OES Incident Number :	01-3684	
Time Notified :	Not reported	
Surrounding Area :	Not reported	
Estimated Temperature :	Not reported	
Property Management :	Not reported	
More Than Two Substances Involved? :	Not reported	
Special Studies 1 :	Not reported	
Special Studies 2 :	Not reported	
Special Studies 3 :	Not reported	
Special Studies 4 :	Not reported	
Special Studies 5 :	Not reported	
Special Studies 6 :	Not reported	
Responding Agency Personnel # Of Injuries :	0	
Responding Agency Personnel # Of Fatalities :	0	
Resp Agency Personnel # Of Decontaminated :	Not reported	
Others Number Of Decontaminated :	Not reported	
Others Number Of Injuries :	Not reported	
Others Number Of Fatalities :	Not reported	
Vehicle Make/year :	Not reported	
Vehicle License Number :	Not reported	
Vehicle State :	Not reported	
Vehicle Id Number :	Not reported	
CA/DOT/PUC/ICC Number :	Not reported	
Company Name :	Not reported	
Reporting Officer Name/ID :	Not reported	
Report Date :	Not reported	
Comments :	Not reported	
Facility Telephone Number :	Not reported	
Waterway Involved :	Yes	
Waterway :	Long Beach harbor	
Spill Site :	Ship/Harbor/Port	
Cleanup By :	Unknown	
Containment :	Unknown	
What Happened :	NRC REPORTED: The caller sighted an unknown old oil on the water.	
Type :	OTHER	
Other :	OUN	
Chemical 1 :	Not Reported	
Chemical 2 :	Not Reported	
Chemical 3 :	Not Reported	
Date/Time :	6/27/01 700	
Evacuations :	0	

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
(Continued)		S103992532
OES Control Number:	01-2961	
Chemical Name:	Hydraulic Oil	
Extent of Release:	Not reported	
Property Use:	Not reported	
Incident Date:	Not reported	
Date Completed:	Not reported	
Time Completed :	Not reported	
Agency Id Number :	Not reported	
Agency Incident Number :	Not reported	
OES Incident Number :	01-2961	
Time Notified :	Not reported	
Surrounding Area :	Not reported	
Estimated Temperature :	Not reported	
Property Management :	Not reported	
More Than Two Substances Involved? :	Not reported	
Special Studies 1 :	Not reported	
Special Studies 2 :	Not reported	
Special Studies 3 :	Not reported	
Special Studies 4 :	Not reported	
Special Studies 5 :	Not reported	
Special Studies 6 :	Not reported	
Responding Agency Personnel # Of Injuries :	0	
Responding Agency Personnel # Of Fatalities :	0	
Resp Agncy Personnel # Of Decontaminated :	Not reported	
Others Number Of Decontaminated :	Not reported	
Others Number Of Injuries :	Not reported	
Others Number Of Fatalities :	Not reported	
Vehicle Make/year :	Not reported	
Vehicle License Number :	Not reported	
Vehicle State :	Not reported	
Vehicle Id Number :	Not reported	
CA/DOT/PUC/ICC Number :	Not reported	
Company Name :	Not reported	
Reporting Officer Name/ID :	Not reported	
Report Date :	Not reported	
Comments :	Not reported	
Facility Telephone Number :	Not reported	
Waterway Involved :	Yes	
Waterway :	Long Beach Pier 12	
Spill Site :	Ship/Harbor/Port	
Cleanup By :	Contractor	
Containment :	Yes	
What Happened :	A pipe burst on the Vessel "Chiquita Joy" however the flow was shut off quickly.	
Type :	PETROLEUM	
Other :	Not reported	
Chemical 1 :	Not Reported	
Chemical 2 :	Not Reported	
Chemical 3 :	Not Reported	
Date/Time :	5/22/01 925	
Evacuations :	0	
OES Control Number:	01-2961	
Chemical Name:	Hydraulic Oil	
Extent of Release:	Not reported	
Property Use:	Not reported	
Incident Date:	Not reported	
Date Completed:	Not reported	

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
(Continued)		S103992532
Time Completed :	Not reported	
Agency Id Number :	Not reported	
Agency Incident Number :	Not reported	
OES Incident Number :	01-2961	
Time Notified :	Not reported	
Surrounding Area :	Not reported	
Estimated Temperature :	Not reported	
Property Management :	Not reported	
More Than Two Substances Involved? :	Not reported	
Special Studies 1 :	Not reported	
Special Studies 2 :	Not reported	
Special Studies 3 :	Not reported	
Special Studies 4 :	Not reported	
Special Studies 5 :	Not reported	
Special Studies 6 :	Not reported	
Responding Agency Personnel # Of Injuries :	0	
Responding Agency Personnel # Of Fatalities :	0	
Resp Agncy Personnel # Of Decontaminated :	Not reported	
Others Number Of Decontaminated :	Not reported	
Others Number Of Injuries :	Not reported	
Others Number Of Fatalities :	Not reported	
Vehicle Make/year :	Not reported	
Vehicle License Number :	Not reported	
Vehicle State :	Not reported	
Vehicle Id Number :	Not reported	
CA/DOT/PUC/ICC Number :	Not reported	
Company Name :	Not reported	
Reporting Officer Name/ID :	Not reported	
Report Date :	Not reported	
Comments :	Not reported	
Facility Telephone Number :	Not reported	
Waterway Involved :	Yes	
Waterway :	Long Beach Pier 12	
Spill Site :	Ship/Harbor/Port	
Cleanup By :	Contractor	
Containment :	Yes	
What Happened :	A pipe burst on the Vessel "Chiquita Joy" however the flow was shut off quickly.	
Type :	PETROLEUM	
Other :	Not reported	
Chemical 1 :	Not Reported	
Chemical 2 :	Not Reported	
Chemical 3 :	Not Reported	
Date/Time :	5/22/01 925	
Evacuations :	0	
OES Control Number:	02-1916	
Chemical Name:	Unknown Oil	
Extent of Release:	Not reported	
Property Use:	Not reported	
Incident Date:	Not reported	
Date Completed:	Not reported	
Time Completed :	Not reported	
Agency Id Number :	Not reported	
Agency Incident Number :	Not reported	
OES Incident Number :	02-1916	
Time Notified :	Not reported	
Surrounding Area :	Not reported	

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
(Continued)		S103992532
Estimated Temperature :	Not reported	
Property Management :	Not reported	
More Than Two Substances Involved? :	Not reported	
Special Studies 1 :	Not reported	
Special Studies 2 :	Not reported	
Special Studies 3 :	Not reported	
Special Studies 4 :	Not reported	
Special Studies 5 :	Not reported	
Special Studies 6 :	Not reported	
Responding Agency Personnel # Of Injuries :	0	
Responding Agency Personnel # Of Fatalities :	0	
Resp Agncy Personnel # Of Decontaminated :	Not reported	
Others Number Of Decontaminated :	Not reported	
Others Number Of Injuries :	Not reported	
Others Number Of Fatalities :	Not reported	
Vehicle Make/year :	Not reported	
Vehicle License Number :	Not reported	
Vehicle State :	Not reported	
Vehicle Id Number :	Not reported	
CA/DOT/PUC/ICC Number :	Not reported	
Company Name :	Not reported	
Reporting Officer Name/ID :	Not reported	
Report Date :	Not reported	
Comments :	Not reported	
Facility Telephone Number :	Not reported	
Waterway Involved :	Yes	
Waterway :	Long Beach Harbor	
Spill Site :	Ship/Harbor/Port	
Cleanup By :	Unknown	
Containment :	Unknown	
What Happened :	Via NRC report, the caller is reporting an unknown sheen.	
Type :	Sheen	
Other :	Not reported	
Chemical 1 :	Not Reported	
Chemical 2 :	Not Reported	
Chemical 3 :	Not Reported	
Date/Time :	4/8/2002 1000	
Evacuations :	0	
OES Control Number:	02-2175	
Chemical Name:	Diesel	
Extent of Release:	Not reported	
Property Use:	Not reported	
Incident Date:	Not reported	
Date Completed:	Not reported	
Time Completed :	Not reported	
Agency Id Number :	Not reported	
Agency Incident Number :	Not reported	
OES Incident Number :	02-2175	
Time Notified :	Not reported	
Surrounding Area :	Not reported	
Estimated Temperature :	Not reported	
Property Management :	Not reported	
More Than Two Substances Involved? :	Not reported	
Special Studies 1 :	Not reported	
Special Studies 2 :	Not reported	
Special Studies 3 :	Not reported	
Special Studies 4 :	Not reported	

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
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(Continued)

S103992532

Special Studies 5 :	Not reported
Special Studies 6 :	Not reported
Responding Agency Personnel # Of Injuries :	0
Responding Agency Personnel # Of Fatalities :	0
Resp Agency Personnel # Of Decontaminated :	Not reported
Others Number Of Decontaminated :	Not reported
Others Number Of Injuries :	Not reported
Others Number Of Fatalities :	Not reported
Vehicle Make/year :	Not reported
Vehicle License Number :	Not reported
Vehicle State :	Not reported
Vehicle Id Number :	Not reported
CA/DOT/PUC/ICC Number :	Not reported
Company Name :	Not reported
Reporting Officer Name/ID :	Not reported
Report Date :	Not reported
Comments :	Not reported
Facility Telephone Number :	Not reported
Waterway Involved :	Yes
Waterway :	Long Beach Harbor
Spill Site :	Ship/Harbor/Port
Cleanup By :	Unknown
Containment :	Yes
What Happened :	Via NRC report, a life boat fell off a commercial vessel into the Long Beach Harbor. The life boat is overturned and leaking diesel fuel from the fuel tank.
Type :	Gal(s)
Other :	Not reported
Chemical 1 :	Not Reported
Chemical 2 :	Not Reported
Chemical 3 :	Not Reported
Date/Time :	4/21/2002 1355
Evacuations :	0

HAZNET:

Gepaid:	CAC000925944
TSD EPA ID:	CAD000088252
Gen County:	Los Angeles
Tsd County:	Los Angeles
Tons:	2.7391
Waste Category:	Other organic solids
Disposal Method:	Transfer Station
Contact:	Not reported
Telephone:	(000) 000-0000
Mailing Address:	15431 VANTAGE PARKWAY #210 HOUSTON, TX 77032
County	Los Angeles

LA CITY ENERGY RECOVERY PROJECT (RSI)
LONG BEACH AVE @ MARTIN LUTHER KING BVD
LONG BEACH, CA

SWF/LF S102360927
N/A

LF:

Facility ID:	19-AR-1181
Operator:	Ogden Martin Systems Inc
Operator Phone:	(201) 882-9000
Operator Addr:	40 Lane Rd. Cn 2615 Fairfield, NJ 07007
Owner:	Not reported

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
LA CITY ENERGY RECOVERY PROJECT (RSI) (Continued)		S102360927
Owner Address:	Not reported	
	Not reported	
Owner Telephone:	Not reported	
Activity:	Transformation Facility	
Operator's Status:	Not reported	
Regulation Status:	Not reported	
Region:	STATE	
Lat/Long:	34 / -118	
Permit Date:	Not reported	
Accepted Waste:		
Restrictions:		
Status :	Not reported	
Swisnumber :	Not reported	
Site Type :	Not reported	
Aka :	Not reported	
Type Of Waste :	Not reported	
Disposal Area :	Not reported	
SWFP Date :	Not reported	
WDR Number :	Not reported	
Dates Of Operation :	Not reported	
Closure Approved :	Not reported	
Date Of Field Units :	Not reported	
Surface Condition :	Not reported	
Landfill Gas :	Not reported	
Leachate :	Not reported	
Emergency Response :	Not reported	
Other Recommendation :	Not reported	
Reassess Site :	Not reported	
Priority For Site Assessment :	Not reported	
Lea Date :	Not reported	
Explanation:	Not Reported	
No Further Action:	Not Reported	
Permitted Throughput with Units:	0	
Permitted Throughput with Units:	0	
Permitted Throughput with Units:	0	
Actual Throughput with Units:	Not reported	
Actual Capacity with Units:	0	
Permitted Capacity with Units:	0	
Remaining Capacity with Units:	Not reported	
Permitted Total Acreage:	0	
Inspection Frequency:	None	
Landuse Name:	Not reported	
GIS Source:	Place	
Permit Status:	Not reported	
Category:	Transformation	
Unit Number:	01	
Last Waste Tire Inspection Count :	0	
Last Waste Tire Inspection Date:	Not reported	
Original Waste Tire Count:	0	
Original Waste Tire Count Date:	Not reported	
Closure Date:	/ /	
Closure Type:	Not reported	
Disposal Acreage:	Not reported	
Remaining Capacity:	Not reported	
Year Opened:	Not reported	
Year Closed:	Not reported	
Fill Area:	Not reported	

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
LA CITY ENERGY RECOVERY PROJECT (RSI) (Continued)		S102360927
Type Of Refuse: Not reported		
Avg Depth Of Fill: Not reported		
Addtl Expansion Area: Not reported		
Site Description: Not Reported		
SAN CARLOS DUMP	SWF/LF	S102360798
LONG BEACH FWY NEAR LA RIVER		N/A
LONG BEACH, CA		
LF:		
Facility ID: 19-AA-5340		
Operator: Yang, Ya Chien		
Operator Phone: Not reported		
Operator Addr: 27963 Farm Hill Dr.		
Hayward, CA 94542		
Owner: Caltrans		
Owner Address: Not reported		
120 S. Spring St.		
Los Angles, CA 90012		
Owner Telephone: (213) 897-0458		
Activity: Solid Waste Disposal Site		
Operator's Status: Not reported		
Regulation Status: Not reported		
Region: STATE		
Lat/Long: 34 / -118		
Permit Date: Not reported		
Accepted Waste:		
Restrictions:		
Status : Not reported		
Swisnumber : Not reported		
Site Type : Not reported		
Aka : Not reported		
Type Of Waste : Not reported		
Disposal Area : Not reported		
SWFP Date : Not reported		
WDR Number : Not reported		
Dates Of Operation : Not reported		
Closure Approved : Not reported		
Date Of Field Units : Not reported		
Surface Condition : Not reported		
Landfill Gas : Not reported		
Leachate : Not reported		
Emergency Response : Not reported		
Other Recommendation : Not reported		
Reassess Site : Not reported		
Priority For Site Assessment : Not reported		
Lea Date : Not reported		
Explanation: Not Reported		
No Further Action: Not Reported		
Permitted Throughput with Units: 0		
Permitted Throughput with Units: 0		
Permitted Throughput with Units: 0		
Actual Throughput with Units: Not reported		
Actual Capacity with Units: 0		
Permitted Capacity with Units: 0		
Remaining Capacity with Units: Not reported		
Permitted Total Acreage: 0		
Inspection Frequency: Quarterly		

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
SAN CARLOS DUMP (Continued)		S102360798
Landuse Name: Residential		
GIS Source: Place		
Permit Status: Not reported		
Category: Disposal		
Unit Number: 01		
Last Waste Tire Inspection Count : 0		
Last Waste Tire Inspection Date: Not reported		
Original Waste Tire Count: 0		
Original Waste Tire Count Date: Not reported		
Closure Date: / /		
Closure Type: Not reported		
Disposal Acreage: 0		
Remaining Capacity: 0		
Year Opened: Not reported		
Year Closed: Not reported		
Fill Area: Not reported		
Type Of Refuse: Not reported		
Avg Depth Of Fill: Not reported		
Addtl Expansion Area: Not reported		
Site Description: Not Reported		
APRO, LLC (2 15M D/W XERXES)	UST	U003920394
3565 LOS COYOTES DIAG		N/A
LONG BEACH, CA		
UST Long Beach:		
Total Tanks: 2T	Region: LONG BEACH	
Tank Test: Dual Walled	Leak Test: Not reported	
ARCO FAC. #9519-CORP LEASE (3 D/W MODERN)	UST	U003920393
3100 LOS COYOTES DIAG		N/A
LONG BEACH, CA		
UST Long Beach:		
Total Tanks: 3T	Region: LONG BEACH	
Tank Test: Dual Walled	Leak Test: Not reported	
CBHS @ LOS ALTOS - 1 S/W STEEL	UST	U003660994
3340 LOS COYOTES DIAG		N/A
LONG BEACH, CA		
UST Long Beach:		
Total Tanks: 1T	Region: LONG BEACH	
Tank Test: 01/08/96	Leak Test: 01/08/96	
SITE #4 - MOLE EXTENSION OPERATIONS	SWF/LF	S105003788
US NAVAL STATION ON THE JETTY		N/A
LONG BEACH, CA		
LF:		
Facility ID: 19-AK-5036		
Operator: Not reported		
Operator Phone: Not reported		
Operator Addr:		
Owner: US Dept Of Navy-Long Beach		
Owner Address: Not reported		
	Terminal Beach	

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
SITE #4 - MOLE EXTENSION OPERATIONS (Continued)		S105003788
Owner Telephone:	Long Beach, CA 90822 (562) 980-2720	
Activity:	Solid Waste Disposal Site	
Operator's Status:	Not reported	
Regulation Status:	Not reported	
Region:	STATE	
Lat/Long:	34 / -118	
Permit Date:	Not reported	
Accepted Waste:		
Restrictions:		
Status :	Not reported	
Swisnumber :	Not reported	
Site Type :	Not reported	
Aka :	Not reported	
Type Of Waste :	Not reported	
Disposal Area :	Not reported	
SWFP Date :	Not reported	
WDR Number :	Not reported	
Dates Of Operation :	Not reported	
Closure Approved :	Not reported	
Date Of Field Units :	Not reported	
Surface Condition :	Not reported	
Landfill Gas :	Not reported	
Leachate :	Not reported	
Emergency Response :	Not reported	
Other Recommendation :	Not reported	
Reassess Site :	Not reported	
Priority For Site Assessment :	Not reported	
Lea Date :	Not reported	
Explanation:	Not Reported	
No Further Action:	Not Reported	
Permitted Throughput with Units:	Not reported	
Permitted Throughput with Units:	Not reported	
Permitted Throughput with Units:	Not reported	
Actual Throughput with Units:	Not reported	
Actual Capacity with Units:	Not reported	
Permitted Capacity with Units:	Not reported	
Remaining Capacity with Units:	Not reported	
Permitted Total Acreage:	Not reported	
Inspection Frequency:	None	
Landuse Name:	Not reported	
GIS Source:	Map	
Permit Status:	Not reported	
Category:	Disposal	
Unit Number:	01	
Last Waste Tire Inspection Count :	Not reported	
Last Waste Tire Inspection Date:	Not reported	
Original Waste Tire Count:	Not reported	
Original Waste Tire Count Date:	Not reported	
Closure Date:	/ /	
Closure Type:	Not reported	
Disposal Acreage:	Not reported	
Remaining Capacity:	Not reported	
Year Opened:	Not reported	
Year Closed:	Not reported	
Fill Area:	Not reported	
Type Of Refuse:	Not reported	

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
SITE #4 - MOLE EXTENSION OPERATIONS (Continued)		S105003788
Avg Depth Of Fill:	Not reported	
Addtl Expansion Area:	Not reported	
Site Description:	Not Reported	
SITE # 5 SKEET RANGE SW FILL AREA NAVAY WAY AND PILCHARD STREET LONG BEACH, CA		SWF/LF S105003789 N/A
LF:		
Facility ID:	19-AK-5037	
Operator:	Not reported	
Operator Phone:	Not reported	
Operator Addr:		
Owner:	Not reported	
Owner Address:	Not reported	
	Not reported	
Owner Telephone:	Not reported	
Activity:	Solid Waste Disposal Site	
Operator's Status:	Not reported	
Regulation Status:	Not reported	
Region:	STATE	
Lat/Long:	34 / -118	
Permit Date:	Not reported	
Accepted Waste:		
Restrictions:		
Status :	Not reported	
Swisnumber :	Not reported	
Site Type :	Not reported	
Aka :	Not reported	
Type Of Waste :	Not reported	
Disposal Area :	Not reported	
SWFP Date :	Not reported	
WDR Number :	Not reported	
Dates Of Operation :	Not reported	
Closure Approved :	Not reported	
Date Of Field Units :	Not reported	
Surface Condition :	Not reported	
Landfill Gas :	Not reported	
Leachate :	Not reported	
Emergency Response :	Not reported	
Other Recommendation :	Not reported	
Reassess Site :	Not reported	
Priority For Site Assessment :	Not reported	
Lea Date :	Not reported	
Explanation:	Not Reported	
No Further Action:	Not Reported	
Permitted Throughput with Units:	Not reported	
Permitted Throughput with Units:	Not reported	
Permitted Throughput with Units:	Not reported	
Actual Throughput with Units:	Not reported	
Actual Capacity with Units:	Not reported	
Permitted Capacity with Units:	Not reported	
Remaining Capacity with Units:	Not reported	
Permitted Total Acreage:	Not reported	
Inspection Frequency:	None	
Landuse Name:	Not reported	
GIS Source:	Map	
Permit Status:	Not reported	

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
SITE # 5 SKEET RANGE SW FILL AREA (Continued)		S105003789
Category: Disposal		
Unit Number: 01		
Last Waste Tire Inspection Count : Not reported		
Last Waste Tire Inspection Date: Not reported		
Original Waste Tire Count: Not reported		
Original Waste Tire Count Date: Not reported		
Closure Date: / /		
Closure Type: Not reported		
Disposal Acreage: Not reported		
Remaining Capacity: Not reported		
Year Opened: Not reported		
Year Closed: Not reported		
Fill Area: Not reported		
Type Of Refuse: Not reported		
Avg Depth Of Fill: Not reported		
Addtl Expansion Area: Not reported		
Site Description: Not Reported		
STATE OF CALIFORNIA	HAZNET	S104573040
ON NICHOLSON AVE NORTH OF WEST I ST		N/A
LONG BEACH, CA 90813		
HAZNET:		
Gepaid: CAC002230481		
TSD EPA ID: CAT000646117		
Gen County: Los Angeles		
Tsd County: Kings		
Tons: 214.0712		
Waste Category: Contaminated soil from site clean-ups		
Disposal Method: Not reported		
Contact: STATE OF CALIFORNIA		
Telephone: (916) 255-1194		
Mailing Address: 8800 CAL CENTER DR		
SACRAMENTO, CA 95826		
County: Los Angeles		
Gepaid: CAC002230481		
TSD EPA ID: CAT000646117		
Gen County: Los Angeles		
Tsd County: Kings		
Tons: 4136.806		
Waste Category: Contaminated soil from site clean-ups		
Disposal Method: Disposal, Land Fill		
Contact: STATE OF CALIFORNIA		
Telephone: (916) 255-1194		
Mailing Address: 8800 CAL CENTER DR		
SACRAMENTO, CA 95826		
County: Los Angeles		
USNAVY LONG BEACH NAVAL SHIPYARD	PADS	1000231526
TERMINAL ISLAND NAVAL COMPLEX	RCRIS-LQG	CA6170023109
LONG BEACH, CA 90822	RCRIS-TSD	
	CORRACTS	
	CHMIRS	
	HIST UST	
	HAZNET	
	VCP	

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
USNAVY LONG BEACH NAVAL SHIPYARD (Continued)		1000231526
RCRIS Corrective Action Summary:		
Event:	Igration of Contaminated Groundwater under Control, Yes, Migration of Contaminated Groundwater Under Control has been verified. Based on a review of information contained in the EI determination, it has been determined that migration of contaminated groundwater is under control at the facility. Specifically, this determination indicates that the migration of contaminated groundwater is under control, and that monitoring will be conducted to confirm that contaminated groundwater remains within the existing area of contaminated groundwater. This determination will be re-evaluated when the Agency becomes aware of significant changes at the facility.	
Event Date:	08/19/2003	
Event:	Current Human Exposures under Control, Yes, Current Human Exposures Under Control has been verified. Based on a review of information contained in the EI determination, current human exposures are expected to be under control at the facility under current and reasonably expected conditions. This determination will be re-evaluated when the Agency/State becomes aware of significant changes at the facility.	
Event Date:	03/09/2001	
Event:	Igration of Contaminated Groundwater under Control, More information is needed to make a determination.	
Event Date:	03/09/2001	
Event:	Current Human Exposures under Control, Yes, Current Human Exposures Under Control has been verified. Based on a review of information contained in the EI determination, current human exposures are expected to be under control at the facility under current and reasonably expected conditions. This determination will be re-evaluated when the Agency/State becomes aware of significant changes at the facility.	
Event Date:	06/04/1998	
Event:	Igration of Contaminated Groundwater under Control, More information is needed to make a determination.	
Event Date:	06/04/1998	
Event:	CMS Approved	
Event Date:	05/01/1998	
Event:	RFI Approved	
Event Date:	09/10/1996	
Event:	Stabilization Measures Evaluation, This facility is not amenable to stabilization activity because of a lack of technical data. An evaluation has been completed, but further data is necessary to determine stabilization measures, feasibility or appropriateness. This status should be changed when data becomes available.	
Event Date:	05/20/1994	
Event:	Stabilization Construction Completed	
Event Date:	03/01/1994	
Event:	Stabilization Measures Implemented, Primary measure is exposure control by barrier and/or institutional control (e.g., capping, fencing, deed restrictions).	
Event Date:	12/06/1993	

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
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USNAVY LONG BEACH NAVAL SHIPYARD (Continued)

1000231526

Event:	RFI Workplan Approved
Event Date:	11/03/1993
Event:	RFI Workplan Approved
Event Date:	10/21/1993
Event:	RFI Approved
Event Date:	09/17/1993
Event:	RFI Workplan Approved
Event Date:	09/13/1993
Event:	CMS Workplan Approved
Event Date:	09/13/1993
Event:	RFI Imposition, Focused data collection required for stabilization evaluation.
Event Date:	06/22/1990
Event:	CA Prioritization, Facility or area was assigned a high corrective action priority.
Event Date:	06/05/1990

RCRIS:

Owner:	UNITED STATES NAVY (213) 547-6443
EPA ID:	CA6170023109
Contact:	Not reported
Classification:	Large Quantity Generator, TSDF
TSDF Activities:	Not reported

BIENNIAL REPORTS:

Last Biennial Reporting Year: 2001

Waste	Quantity (Lbs)	Waste	Quantity (Lbs)
D001	12800.00	D002	30.00
D039	2851200.00	D040	1078800.00
F003	10.00	F004	6800.00

Violation Status: Violations exist

Regulation Violated:	262.30-34.C
Area of Violation:	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	08/20/1996
Actual Date Achieved Compliance:	10/04/1996
Regulation Violated:	264.10-18.B
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	08/20/1996
Actual Date Achieved Compliance:	10/04/1996
Regulation Violated:	262.10-12.A
Area of Violation:	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	08/20/1996
Actual Date Achieved Compliance:	10/04/1996
Regulation Violated:	264.170-177.I
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	09/28/1995
Actual Date Achieved Compliance:	09/29/1995
Regulation Violated:	270
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
USNAVY LONG BEACH NAVAL SHIPYARD (Continued)		1000231526
Date Violation Determined:	09/28/1995	
Actual Date Achieved Compliance:	11/02/1995	
Regulation Violated:	264.10-18.B	
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)	
Date Violation Determined:	09/28/1995	
Actual Date Achieved Compliance:	11/02/1995	
Regulation Violated:	264.190-201.J	
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)	
Date Violation Determined:	09/28/1995	
Actual Date Achieved Compliance:	11/02/1995	
Regulation Violated:	262.50-60	
Area of Violation:	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	
Date Violation Determined:	09/28/1995	
Actual Date Achieved Compliance:	11/02/1995	
Regulation Violated:	264.30-37.C	
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)	
Date Violation Determined:	09/28/1995	
Actual Date Achieved Compliance:	10/04/1995	
Regulation Violated:	268.7	
Area of Violation:	GENERATOR-LAND BAN REQUIREMENTS	
Date Violation Determined:	03/22/1995	
Actual Date Achieved Compliance:	04/19/1995	
Regulation Violated:	262.50-60	
Area of Violation:	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	
Date Violation Determined:	03/22/1995	
Actual Date Achieved Compliance:	04/19/1995	
Regulation Violated:	262.50-60	
Area of Violation:	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	
Date Violation Determined:	03/21/1995	
Actual Date Achieved Compliance:	03/21/1995	
Regulation Violated:	262.30-34.C	
Area of Violation:	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	
Date Violation Determined:	03/21/1995	
Actual Date Achieved Compliance:	03/21/1995	
Regulation Violated:	264.10-18.B	
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)	
Date Violation Determined:	04/28/1994	
Actual Date Achieved Compliance:	06/15/1994	
Regulation Violated:	264.170-177.I	
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)	
Date Violation Determined:	04/28/1994	
Actual Date Achieved Compliance:	06/15/1994	
Regulation Violated:	264.50-56.D	
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)	
Date Violation Determined:	06/07/1993	
Actual Date Achieved Compliance:	01/04/1994	
Regulation Violated:	264.30-37.C	
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)	
Date Violation Determined:	06/07/1993	
Actual Date Achieved Compliance:	01/04/1994	

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
USNAVY LONG BEACH NAVAL SHIPYARD (Continued)		1000231526
Regulation Violated:	270	
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)	
Date Violation Determined:	06/07/1993	
Actual Date Achieved Compliance:	01/04/1994	
Regulation Violated:	264.10-18.B	
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)	
Date Violation Determined:	06/07/1993	
Actual Date Achieved Compliance:	01/04/1994	
Regulation Violated:	270	
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)	
Date Violation Determined:	06/07/1993	
Actual Date Achieved Compliance:	01/04/1994	
Regulation Violated:	264.190-201.J	
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)	
Date Violation Determined:	06/07/1993	
Actual Date Achieved Compliance:	01/04/1994	
Regulation Violated:	270	
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)	
Date Violation Determined:	11/29/1990	
Actual Date Achieved Compliance:	02/14/1991	
Regulation Violated:	268 ALL	
Area of Violation:	TSD-LAND BAN REQUIREMENTS	
Date Violation Determined:	07/19/1990	
Actual Date Achieved Compliance:	12/15/1990	
Regulation Violated:	268.7	
Area of Violation:	GENERATOR-LAND BAN REQUIREMENTS	
Date Violation Determined:	07/19/1990	
Actual Date Achieved Compliance:	12/15/1990	
Regulation Violated:	270	
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)	
Date Violation Determined:	07/19/1990	
Actual Date Achieved Compliance:	12/15/1990	
Regulation Violated:	270	
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)	
Date Violation Determined:	08/06/1989	
Actual Date Achieved Compliance:	02/21/1990	
Regulation Violated:	270	
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)	
Date Violation Determined:	08/06/1989	
Actual Date Achieved Compliance:	02/21/1990	
Regulation Violated:	270	
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)	
Date Violation Determined:	09/28/1988	
Actual Date Achieved Compliance:	01/17/1989	
Regulation Violated:	268 ALL	
Area of Violation:	TSD-LAND BAN REQUIREMENTS	
Date Violation Determined:	03/08/1987	
Actual Date Achieved Compliance:	09/28/1988	
Regulation Violated:	268.7	
Area of Violation:	GENERATOR-LAND BAN REQUIREMENTS	
Date Violation Determined:	03/08/1987	

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
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USNAVY LONG BEACH NAVAL SHIPYARD (Continued)

1000231526

Actual Date Achieved Compliance: 09/28/1988
Regulation Violated: 270
Area of Violation: TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 03/06/1987
Actual Date Achieved Compliance: 09/28/1988

Penalty Summary:

Penalty Description	Penalty Date	Penalty Amount	Lead Agency
Final Monetary Penalty	4/28/1994	400	STATE
Proposed Monetary Penalty	4/28/1994	400	STATE
Final Monetary Penalty	3/4/1994	23575	STATE
Proposed Monetary Penalty	3/4/1994	23575	STATE
Proposed Monetary Penalty	1/4/1994	30000	STATE

There are 31 violation record(s) reported at this site:

Evaluation	Area of Violation	Date of Compliance
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NY MANIFEST

Additional detail is available in NY MANIFEST. Please contact your EDR Account Executive for more information.

CORRACTS Data:

EPA Id: CA6170023109
Region: 9
Area Name: SITES 1,2,3,4,5,7,8,9,10,11,12
Actual Date: 11/03/1993
Corrective Action: CA150 - RFI Workplan Approved
2002 NAICS Title: National Security
Ship Building and Repairing
Ship Building and Repairing
Ship Building and Repairing

EPA Id: CA6170023109
Region: 9
Area Name: SITE 6 BOAT DISPOSAL YARD
Actual Date: 10/21/1993
Corrective Action: CA150 - RFI Workplan Approved
2002 NAICS Title: National Security
Ship Building and Repairing
Ship Building and Repairing
Ship Building and Repairing

EPA Id: CA6170023109
Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 09/13/1993
Corrective Action: CA150 - RFI Workplan Approved
2002 NAICS Title: National Security
Ship Building and Repairing
Ship Building and Repairing
Ship Building and Repairing

EPA Id: CA6170023109
Region: 9
Area Name: SITES 1 - 6A
Actual Date: 09/10/1996

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
USNAVY LONG BEACH NAVAL SHIPYARD (Continued)		1000231526
Corrective Action:	CA200 - RFI Approved	
2002 NAICS Title:	National Security	
	Ship Building and Repairing	
	Ship Building and Repairing	
	Ship Building and Repairing	
EPA Id:	CA6170023109	
Region:	9	
Area Name:	SITE 6B SALVAGE YARD	
Actual Date:	09/17/1993	
Corrective Action:	CA200 - RFI Approved	
2002 NAICS Title:	National Security	
	Ship Building and Repairing	
	Ship Building and Repairing	
	Ship Building and Repairing	

The CORRACTS database contains 12 additional records for this site.
Please contact your EDR Account Executive for more information.

CHMIRS:

OES Control Number:	13097
Chemical Name:	crude oil natural gas
Extent of Release:	Not reported
Property Use:	Not reported
Incident Date:	Not reported
Date Completed:	Not reported
Time Completed :	Not reported
Agency Id Number :	Not reported
Agency Incident Number :	Not reported
OES Incident Number :	13097
Time Notified :	Not reported
Surrounding Area :	Not reported
Estimated Temperature :	Not reported
Property Management :	Not reported
More Than Two Substances Involved? :	Not reported
Special Studies 1 :	Not reported
Special Studies 2 :	Not reported
Special Studies 3 :	Not reported
Special Studies 4 :	Not reported
Special Studies 5 :	Not reported
Special Studies 6 :	Not reported
Responding Agency Personel # Of Injuries :	NO
Responding Agency Personel # Of Fatalities :	NO
Resp Agncy Personel # Of Decontaminated :	Not reported
Others Number Of Decontaminated :	Not reported
Others Number Of Injuries :	Not reported
Others Number Of Fatalities :	Not reported
Vehicle Make/year :	Not reported
Vehicle License Number :	Not reported
Vehicle State :	Not reported
Vehicle Id Number :	Not reported
CA/DOT/PUC/ICC Number :	Not reported
Company Name :	Not reported
Reporting Officer Name/ID :	Not reported
Report Date :	Not reported
Comments :	Not reported
Facility Telephone Number :	Not reported

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
USNAVY LONG BEACH NAVAL SHIPYARD (Continued)		1000231526
Waterway Involved :	NO	
Waterway :	Not reported	
Spill Site :	O/F	
Cleanup By :	tidelands oil	
Containment :	NO	
What Happened :	oil well being worked on, a blow out occurred. tidelands oil production company on scene. jim quay at 310 436-9918 may be contacted if additional info.	
Type :	PETROLEUM	
Other :	Not reported	
Chemical 1 :	Not Reported	
Chemical 2 :	Not Reported	
Chemical 3 :	Not Reported	
Date/Time :	0700 04Apr96	
Evacuations :	NO	
UST HIST:		
Facility ID:	68836	Owner Name: UNITED STATES DEPT OF THE NAVY
Total Tanks:	3	Region: STATE
Owner Address:	Not reported	
	Not reported	
Tank Used for:	PRODUCT	
Tank Num:	1	Container Num: 104-1
Tank Capacity:	00009000	Year Installed: Not reported
Type of Fuel:	Not reported	Tank Construction: X inches
Leak Detection:	None	
Contact Name:	Not reported	Telephone: (213) 547-7868
Facility Type:	Other	Other Type: NAVY SHIPYARD
Facility ID:	68836	Owner Name: UNITED STATES DEPT OF THE NAVY
Total Tanks:	3	Region: STATE
Owner Address:	Not reported	
	Not reported	
Tank Used for:	PRODUCT	
Tank Num:	2	Container Num: 150-1
Tank Capacity:	00004400	Year Installed: Not reported
Type of Fuel:	Not reported	Tank Construction: Not Reported
Leak Detection:	None	
Contact Name:	Not reported	Telephone: (213) 547-7868
Facility Type:	Other	Other Type: NAVY SHIPYARD
Facility ID:	68836	Owner Name: UNITED STATES DEPT OF THE NAVY
Total Tanks:	3	Region: STATE
Owner Address:	Not reported	
	Not reported	
Tank Used for:	PRODUCT	
Tank Num:	3	Container Num: 53-1
Tank Capacity:	00001800	Year Installed: Not reported
Type of Fuel:	Not reported	Tank Construction: Not Reported
Leak Detection:	None	
Contact Name:	Not reported	Telephone: (213) 547-7868
Facility Type:	Other	Other Type: NAVY SHIPYARD
Facility ID:	7820	Owner Name: UNITED STATES DEPT OF THE NAVY
Total Tanks:	37	Region: STATE
Owner Address:	TERMINAL ISLAND NAVAL COMPLEX LONG BEACH, CA 90822	

DETAILED ORPHAN LISTING

Site	Database(s)		EDR ID Number
			EPA ID Number
USNAVY LONG BEACH NAVAL SHIPYARD (Continued)			1000231526
Tank Used for:	PRODUCT	Container Num:	4-1
Tank Num:	1	Year Installed:	Not reported
Tank Capacity:	00006500	Tank Construction:	Not Reported
Type of Fuel:	DIESEL		
Leak Detection:	None	Telephone:	(213) 547-7874
Contact Name:	Not reported	Other Type:	NAVY SHIPYARD
Facility Type:	Other		
Facility ID:	7820	Owner Name:	UNITED STATES DEPT OF THE NAVY
Total Tanks:	37	Region:	STATE
Owner Address:	TERMINAL ISLAND NAVAL COMPLEX LONG BEACH, CA 90822		
Tank Used for:	PRODUCT	Container Num:	4-2
Tank Num:	2	Year Installed:	Not reported
Tank Capacity:	00002000	Tank Construction:	Not Reported
Type of Fuel:	DIESEL		
Leak Detection:	None	Telephone:	(213) 547-7874
Contact Name:	Not reported	Other Type:	NAVY SHIPYARD
Facility Type:	Other		
Facility ID:	7820	Owner Name:	UNITED STATES DEPT OF THE NAVY
Total Tanks:	37	Region:	STATE
Owner Address:	TERMINAL ISLAND NAVAL COMPLEX LONG BEACH, CA 90822		
Tank Used for:	PRODUCT	Container Num:	4-3
Tank Num:	3	Year Installed:	Not reported
Tank Capacity:	00002000	Tank Construction:	Not Reported
Type of Fuel:	DIESEL		
Leak Detection:	Not reported	Telephone:	(213) 547-7874
Contact Name:	Not reported	Other Type:	NAVY SHIPYARD
Facility Type:	Other		
Facility ID:	7820	Owner Name:	UNITED STATES DEPT OF THE NAVY
Total Tanks:	37	Region:	STATE
Owner Address:	TERMINAL ISLAND NAVAL COMPLEX LONG BEACH, CA 90822		
Tank Used for:	PRODUCT	Container Num:	4-4
Tank Num:	4	Year Installed:	Not reported
Tank Capacity:	00015500	Tank Construction:	Not Reported
Type of Fuel:	DIESEL		
Leak Detection:	None	Telephone:	(213) 547-7874
Contact Name:	Not reported	Other Type:	NAVY SHIPYARD
Facility Type:	Other		
Facility ID:	7820	Owner Name:	UNITED STATES DEPT OF THE NAVY
Total Tanks:	37	Region:	STATE
Owner Address:	TERMINAL ISLAND NAVAL COMPLEX LONG BEACH, CA 90822		
Tank Used for:	PRODUCT	Container Num:	SWPS#3 61-
Tank Num:	5	Year Installed:	1970
Tank Capacity:	00001500	Tank Construction:	Not Reported
Type of Fuel:	DIESEL		
Leak Detection:	None	Telephone:	(213) 547-7874
Contact Name:	Not reported	Other Type:	NAVY SHIPYARD
Facility Type:	Other		
Facility ID:	7820	Owner Name:	UNITED STATES DEPT OF THE NAVY

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number	EPA ID Number
USNAVY LONG BEACH NAVAL SHIPYARD (Continued)		1000231526	
Total Tanks:	37	Region:	STATE
Owner Address:	TERMINAL ISLAND NAVAL COMPLEX LONG BEACH, CA 90822		
Tank Used for:	PRODUCT		
Tank Num:	6	Container Num:	101-1
Tank Capacity:	00015000	Year Installed:	1968
Type of Fuel:	UNLEADED	Tank Construction:	Not Reported
Leak Detection:	None		
Contact Name:	Not reported	Telephone:	(213) 547-7874
Facility Type:	Other	Other Type:	NAVY SHIPYARD
Facility ID:	7820	Owner Name:	UNITED STATES DEPT OF THE NAVY
Total Tanks:	37	Region:	STATE
Owner Address:	TERMINAL ISLAND NAVAL COMPLEX LONG BEACH, CA 90822		
Tank Used for:	PRODUCT		
Tank Num:	7	Container Num:	101-2
Tank Capacity:	00015000	Year Installed:	1968
Type of Fuel:	REGULAR	Tank Construction:	Not Reported
Leak Detection:	None		
Contact Name:	Not reported	Telephone:	(213) 547-7874
Facility Type:	Other	Other Type:	NAVY SHIPYARD
Facility ID:	7820	Owner Name:	UNITED STATES DEPT OF THE NAVY
Total Tanks:	37	Region:	STATE
Owner Address:	TERMINAL ISLAND NAVAL COMPLEX LONG BEACH, CA 90822		
Tank Used for:	Not Reported		
Tank Num:	8	Container Num:	101-3
Tank Capacity:	00015000	Year Installed:	1968
Type of Fuel:	DIESEL	Tank Construction:	Not Reported
Leak Detection:	None		
Contact Name:	Not reported	Telephone:	(213) 547-7874
Facility Type:	Other	Other Type:	NAVY SHIPYARD
Facility ID:	7820	Owner Name:	UNITED STATES DEPT OF THE NAVY
Total Tanks:	37	Region:	STATE
Owner Address:	TERMINAL ISLAND NAVAL COMPLEX LONG BEACH, CA 90822		
Tank Used for:	PRODUCT		
Tank Num:	9	Container Num:	101-4
Tank Capacity:	00001000	Year Installed:	1968
Type of Fuel:	Not reported	Tank Construction:	Not Reported
Leak Detection:	None		
Contact Name:	Not reported	Telephone:	(213) 547-7874
Facility Type:	Other	Other Type:	NAVY SHIPYARD
Facility ID:	7820	Owner Name:	UNITED STATES DEPT OF THE NAVY
Total Tanks:	37	Region:	STATE
Owner Address:	TERMINAL ISLAND NAVAL COMPLEX LONG BEACH, CA 90822		
Tank Used for:	PRODUCT		
Tank Num:	10	Container Num:	101-5
Tank Capacity:	00005000	Year Installed:	1968
Type of Fuel:	Not reported	Tank Construction:	Not Reported
Leak Detection:	None		
Contact Name:	Not reported	Telephone:	(213) 547-7874

DETAILED ORPHAN LISTING

Site	Database(s)		EDR ID Number
			EPA ID Number
USNAVY LONG BEACH NAVAL SHIPYARD (Continued)			1000231526
Facility Type:	Other	Other Type:	NAVY SHIPYARD
Facility ID:	7820	Owner Name:	UNITED STATES DEPT OF THE NAVY
Total Tanks:	37	Region:	STATE
Owner Address:	TERMINAL ISLAND NAVAL COMPLEX LONG BEACH, CA 90822		
Tank Used for:	PRODUCT		
Tank Num:	11	Container Num:	109-1
Tank Capacity:	00003000	Year Installed:	Not reported
Type of Fuel:	Not reported	Tank Construction:	Not Reported
Leak Detection:	None		
Contact Name:	Not reported	Telephone:	(213) 547-7874
Facility Type:	Other	Other Type:	NAVY SHIPYARD
Facility ID:	7820	Owner Name:	UNITED STATES DEPT OF THE NAVY
Total Tanks:	37	Region:	STATE
Owner Address:	TERMINAL ISLAND NAVAL COMPLEX LONG BEACH, CA 90822		
Tank Used for:	WASTE		
Tank Num:	12	Container Num:	128-1
Tank Capacity:	00000000	Year Installed:	Not reported
Type of Fuel:	WASTE OIL	Tank Construction:	Not Reported
Leak Detection:	None		
Contact Name:	Not reported	Telephone:	(213) 547-7874
Facility Type:	Other	Other Type:	NAVY SHIPYARD
Facility ID:	7820	Owner Name:	UNITED STATES DEPT OF THE NAVY
Total Tanks:	37	Region:	STATE
Owner Address:	TERMINAL ISLAND NAVAL COMPLEX LONG BEACH, CA 90822		
Tank Used for:	WASTE		
Tank Num:	13	Container Num:	128-2
Tank Capacity:	00000000	Year Installed:	Not reported
Type of Fuel:	WASTE OIL	Tank Construction:	Not Reported
Leak Detection:	None		
Contact Name:	Not reported	Telephone:	(213) 547-7874
Facility Type:	Other	Other Type:	NAVY SHIPYARD
Facility ID:	7820	Owner Name:	UNITED STATES DEPT OF THE NAVY
Total Tanks:	37	Region:	STATE
Owner Address:	TERMINAL ISLAND NAVAL COMPLEX LONG BEACH, CA 90822		
Tank Used for:	WASTE		
Tank Num:	14	Container Num:	128-3
Tank Capacity:	00000000	Year Installed:	Not reported
Type of Fuel:	WASTE OIL	Tank Construction:	Not Reported
Leak Detection:	None		
Contact Name:	Not reported	Telephone:	(213) 547-7874
Facility Type:	Other	Other Type:	NAVY SHIPYARD
Facility ID:	7820	Owner Name:	UNITED STATES DEPT OF THE NAVY
Total Tanks:	37	Region:	STATE
Owner Address:	TERMINAL ISLAND NAVAL COMPLEX LONG BEACH, CA 90822		
Tank Used for:	PRODUCT		
Tank Num:	15	Container Num:	129-1
Tank Capacity:	00002300	Year Installed:	1975

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
USNAVY LONG BEACH NAVAL SHIPYARD (Continued)		1000231526
Type of Fuel: DIESEL Leak Detection: None Contact Name: Not reported Facility Type: Other	Tank Construction: Not Reported Telephone: (213) 547-7874 Other Type: NAVY SHIPYARD	
Facility ID: 7820 Total Tanks: 37 Owner Address: TERMINAL ISLAND NAVAL COMPLEX LONG BEACH, CA 90822	Owner Name: UNITED STATES DEPT OF THE NAVY Region: STATE	
Tank Used for: PRODUCT Tank Num: 16 Tank Capacity: 00002300 Type of Fuel: DIESEL Leak Detection: None Contact Name: Not reported Facility Type: Other	Container Num: 129-2 Year Installed: 1975 Tank Construction: Not Reported Telephone: (213) 547-7874 Other Type: NAVY SHIPYARD	
Facility ID: 7820 Total Tanks: 37 Owner Address: TERMINAL ISLAND NAVAL COMPLEX LONG BEACH, CA 90822	Owner Name: UNITED STATES DEPT OF THE NAVY Region: STATE	
Tank Used for: PRODUCT Tank Num: 17 Tank Capacity: 00002300 Type of Fuel: Not reported Leak Detection: None Contact Name: Not reported Facility Type: Other	Container Num: 129-3 Year Installed: 1975 Tank Construction: Not Reported Telephone: (213) 547-7874 Other Type: NAVY SHIPYARD	
Facility ID: 7820 Total Tanks: 37 Owner Address: TERMINAL ISLAND NAVAL COMPLEX LONG BEACH, CA 90822	Owner Name: UNITED STATES DEPT OF THE NAVY Region: STATE	
Tank Used for: WASTE Tank Num: 18 Tank Capacity: 00000300 Type of Fuel: Not reported Leak Detection: None Contact Name: Not reported Facility Type: Other	Container Num: 129-4 Year Installed: 1975 Tank Construction: Not Reported Telephone: (213) 547-7874 Other Type: NAVY SHIPYARD	
Facility ID: 7820 Total Tanks: 37 Owner Address: TERMINAL ISLAND NAVAL COMPLEX LONG BEACH, CA 90822	Owner Name: UNITED STATES DEPT OF THE NAVY Region: STATE	
Tank Used for: PRODUCT Tank Num: 19 Tank Capacity: 00000800 Type of Fuel: Not reported Leak Detection: None Contact Name: Not reported Facility Type: Other	Container Num: 129-5 Year Installed: 1975 Tank Construction: Not Reported Telephone: (213) 547-7874 Other Type: NAVY SHIPYARD	
Facility ID: 7820 Total Tanks: 37 Owner Address: TERMINAL ISLAND NAVAL COMPLEX LONG BEACH, CA 90822	Owner Name: UNITED STATES DEPT OF THE NAVY Region: STATE	

DETAILED ORPHAN LISTING

Site	Database(s)		EDR ID Number
			EPA ID Number
USNAVY LONG BEACH NAVAL SHIPYARD (Continued)			1000231526
Tank Used for:	PRODUCT		
Tank Num:	20	Container Num:	129-6
Tank Capacity:	00000060	Year Installed:	1975
Type of Fuel:	Not reported	Tank Construction:	Not Reported
Leak Detection:	None		
Contact Name:	Not reported	Telephone:	(213) 547-7874
Facility Type:	Other	Other Type:	NAVY SHIPYARD
Facility ID:	7820	Owner Name:	UNITED STATES DEPT OF THE NAVY
Total Tanks:	37	Region:	STATE
Owner Address:	TERMINAL ISLAND NAVAL COMPLEX LONG BEACH, CA 90822		
Tank Used for:	PRODUCT		
Tank Num:	21	Container Num:	129-7
Tank Capacity:	00000060	Year Installed:	1975
Type of Fuel:	Not reported	Tank Construction:	Not Reported
Leak Detection:	None		
Contact Name:	Not reported	Telephone:	(213) 547-7874
Facility Type:	Other	Other Type:	NAVY SHIPYARD
Facility ID:	7820	Owner Name:	UNITED STATES DEPT OF THE NAVY
Total Tanks:	37	Region:	STATE
Owner Address:	TERMINAL ISLAND NAVAL COMPLEX LONG BEACH, CA 90822		
Tank Used for:	PRODUCT		
Tank Num:	22	Container Num:	129-8
Tank Capacity:	00000060	Year Installed:	1975
Type of Fuel:	Not reported	Tank Construction:	Not Reported
Leak Detection:	None		
Contact Name:	Not reported	Telephone:	(213) 547-7874
Facility Type:	Other	Other Type:	NAVY SHIPYARD
Facility ID:	7820	Owner Name:	UNITED STATES DEPT OF THE NAVY
Total Tanks:	37	Region:	STATE
Owner Address:	TERMINAL ISLAND NAVAL COMPLEX LONG BEACH, CA 90822		
Tank Used for:	PRODUCT		
Tank Num:	23	Container Num:	129-9
Tank Capacity:	00000060	Year Installed:	1975
Type of Fuel:	Not reported	Tank Construction:	Not Reported
Leak Detection:	None		
Contact Name:	Not reported	Telephone:	(213) 547-7874
Facility Type:	Other	Other Type:	NAVY SHIPYARD
Facility ID:	7820	Owner Name:	UNITED STATES DEPT OF THE NAVY
Total Tanks:	37	Region:	STATE
Owner Address:	TERMINAL ISLAND NAVAL COMPLEX LONG BEACH, CA 90822		
Tank Used for:	WASTE		
Tank Num:	24	Container Num:	132-1
Tank Capacity:	00008000	Year Installed:	Not reported
Type of Fuel:	Not reported	Tank Construction:	Not Reported
Leak Detection:	None		
Contact Name:	Not reported	Telephone:	(213) 547-7874
Facility Type:	Other	Other Type:	NAVY SHIPYARD
Facility ID:	7820	Owner Name:	UNITED STATES DEPT OF THE NAVY

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
USNAVY LONG BEACH NAVAL SHIPYARD (Continued)		1000231526
Total Tanks: 37 Owner Address: TERMINAL ISLAND NAVAL COMPLEX LONG BEACH, CA 90822 Tank Used for: PRODUCT Tank Num: 25 Tank Capacity: 00000550 Type of Fuel: DIESEL Leak Detection: None Contact Name: Not reported Facility Type: Other	Region: STATE Container Num: 162-1 Year Installed: 1975 Tank Construction: Not Reported Telephone: (213) 547-7874 Other Type: NAVY SHIPYARD	
Facility ID: 7820 Total Tanks: 37 Owner Address: TERMINAL ISLAND NAVAL COMPLEX LONG BEACH, CA 90822 Tank Used for: WASTE Tank Num: 26 Tank Capacity: 00001000 Type of Fuel: Not reported Leak Detection: None Contact Name: Not reported Facility Type: Other	Owner Name: UNITED STATES DEPT OF THE NAVY Region: STATE Container Num: 196-1 Year Installed: 1973 Tank Construction: Not Reported Telephone: (213) 547-7874 Other Type: NAVY SHIPYARD	
Facility ID: 7820 Total Tanks: 37 Owner Address: TERMINAL ISLAND NAVAL COMPLEX LONG BEACH, CA 90822 Tank Used for: WASTE Tank Num: 27 Tank Capacity: 00033000 Type of Fuel: Not reported Leak Detection: None Contact Name: Not reported Facility Type: Other	Owner Name: UNITED STATES DEPT OF THE NAVY Region: STATE Container Num: 202-1 Year Installed: 1977 Tank Construction: Not Reported Telephone: (213) 547-7874 Other Type: NAVY SHIPYARD	
Facility ID: 7820 Total Tanks: 37 Owner Address: TERMINAL ISLAND NAVAL COMPLEX LONG BEACH, CA 90822 Tank Used for: WASTE Tank Num: 28 Tank Capacity: 00033000 Type of Fuel: Not reported Leak Detection: None Contact Name: Not reported Facility Type: Other	Owner Name: UNITED STATES DEPT OF THE NAVY Region: STATE Container Num: 202-2 Year Installed: 1977 Tank Construction: Not Reported Telephone: (213) 547-7874 Other Type: NAVY SHIPYARD	
Facility ID: 7820 Total Tanks: 37 Owner Address: TERMINAL ISLAND NAVAL COMPLEX LONG BEACH, CA 90822 Tank Used for: WASTE Tank Num: 29 Tank Capacity: 00033000 Type of Fuel: Not reported Leak Detection: None Contact Name: Not reported	Owner Name: UNITED STATES DEPT OF THE NAVY Region: STATE Container Num: 202-3 Year Installed: 1977 Tank Construction: Not Reported Telephone: (213) 547-7874	

DETAILED ORPHAN LISTING

Site	Database(s)		EDR ID Number
			EPA ID Number
USNAVY LONG BEACH NAVAL SHIPYARD (Continued)			1000231526
Facility Type:	Other	Other Type:	NAVY SHIPYARD
Facility ID:	7820	Owner Name:	UNITED STATES DEPT OF THE NAVY
Total Tanks:	37	Region:	STATE
Owner Address:	TERMINAL ISLAND NAVAL COMPLEX LONG BEACH, CA 90822		
Tank Used for:	PRODUCT		
Tank Num:	30	Container Num:	207-1
Tank Capacity:	00000300	Year Installed:	1978
Type of Fuel:	DIESEL	Tank Construction:	Not Reported
Leak Detection:	None		
Contact Name:	Not reported	Telephone:	(213) 547-7874
Facility Type:	Other	Other Type:	NAVY SHIPYARD
Facility ID:	7820	Owner Name:	UNITED STATES DEPT OF THE NAVY
Total Tanks:	37	Region:	STATE
Owner Address:	TERMINAL ISLAND NAVAL COMPLEX LONG BEACH, CA 90822		
Tank Used for:	PRODUCT		
Tank Num:	31	Container Num:	215-1
Tank Capacity:	00005000	Year Installed:	Not reported
Type of Fuel:	DIESEL	Tank Construction:	Not Reported
Leak Detection:	None		
Contact Name:	Not reported	Telephone:	(213) 547-7874
Facility Type:	Other	Other Type:	NAVY SHIPYARD
Facility ID:	7820	Owner Name:	UNITED STATES DEPT OF THE NAVY
Total Tanks:	37	Region:	STATE
Owner Address:	TERMINAL ISLAND NAVAL COMPLEX LONG BEACH, CA 90822		
Tank Used for:	WASTE		
Tank Num:	32	Container Num:	216-1
Tank Capacity:	00001000	Year Installed:	1977
Type of Fuel:	Not reported	Tank Construction:	Not Reported
Leak Detection:	None		
Contact Name:	Not reported	Telephone:	(213) 547-7874
Facility Type:	Other	Other Type:	NAVY SHIPYARD
Facility ID:	7820	Owner Name:	UNITED STATES DEPT OF THE NAVY
Total Tanks:	37	Region:	STATE
Owner Address:	TERMINAL ISLAND NAVAL COMPLEX LONG BEACH, CA 90822		
Tank Used for:	PRODUCT		
Tank Num:	33	Container Num:	220-1
Tank Capacity:	00000370	Year Installed:	Not reported
Type of Fuel:	DIESEL	Tank Construction:	Not Reported
Leak Detection:	None		
Contact Name:	Not reported	Telephone:	(213) 547-7874
Facility Type:	Other	Other Type:	NAVY SHIPYARD
Facility ID:	7820	Owner Name:	UNITED STATES DEPT OF THE NAVY
Total Tanks:	37	Region:	STATE
Owner Address:	TERMINAL ISLAND NAVAL COMPLEX LONG BEACH, CA 90822		
Tank Used for:	WASTE		
Tank Num:	34	Container Num:	301-1
Tank Capacity:	00001000	Year Installed:	1970

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
USNAVY LONG BEACH NAVAL SHIPYARD (Continued)		1000231526
Type of Fuel: Not reported Leak Detection: None Contact Name: Not reported Facility Type: Other	Tank Construction: Not Reported Telephone: (213) 547-7874 Other Type: NAVY SHIPYARD	
Facility ID: 7820 Total Tanks: 37 Owner Address: TERMINAL ISLAND NAVAL COMPLEX LONG BEACH, CA 90822	Owner Name: UNITED STATES DEPT OF THE NAVY Region: STATE	
Tank Used for: PRODUCT Tank Num: 35 Tank Capacity: 00025000 Type of Fuel: DIESEL Leak Detection: Not reported Contact Name: Not reported Facility Type: Other	Container Num: 302-1 Year Installed: Not reported Tank Construction: Not Reported Telephone: (213) 547-7874 Other Type: NAVY SHIPYARD	
Facility ID: 7820 Total Tanks: 37 Owner Address: TERMINAL ISLAND NAVAL COMPLEX LONG BEACH, CA 90822	Owner Name: UNITED STATES DEPT OF THE NAVY Region: STATE	
Tank Used for: PRODUCT Tank Num: 36 Tank Capacity: 00025000 Type of Fuel: DIESEL Leak Detection: Not reported Contact Name: Not reported Facility Type: Other	Container Num: 302-2 Year Installed: Not reported Tank Construction: Not Reported Telephone: (213) 547-7874 Other Type: NAVY SHIPYARD	
Facility ID: 7820 Total Tanks: 37 Owner Address: TERMINAL ISLAND NAVAL COMPLEX LONG BEACH, CA 90822	Owner Name: UNITED STATES DEPT OF THE NAVY Region: STATE	
Tank Used for: PRODUCT Tank Num: 37 Tank Capacity: 00025000 Type of Fuel: DIESEL Leak Detection: Not reported Contact Name: Not reported Facility Type: Other	Container Num: 302-3 Year Installed: Not reported Tank Construction: Not Reported Telephone: (213) 547-7874 Other Type: NAVY SHIPYARD	
HAZNET: Gepaid: CA6170023109 TSD EPA ID: CAD000088252 Gen County: Los Angeles Tsd County: Los Angeles Tons: .0005 Waste Category: Adhesives Disposal Method: Transfer Station Contact: U S GOVT, DEPT OF THE NAVY Telephone: (000) 000-0000 Mailing Address: 1220 PACIFIC AVE SAN DIEGO, CA 92101 County: Los Angeles		

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
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USNAVY LONG BEACH NAVAL SHIPYARD (Continued)

1000231526

Gepaid: CA6170023109
TSD EPA ID: CAD000088252
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 14.3620
Waste Category: Unspecified sludge waste
Disposal Method: Transfer Station
Contact: U S GOVT, DEPT OF THE NAVY
Telephone: (000) 000-0000
Mailing Address: 1220 PACIFIC AVE
SAN DIEGO, CA 92101
County Los Angeles

Gepaid: CA6170023109
TSD EPA ID: CAD000088252
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .1475
Waste Category: Other inorganic solid waste
Disposal Method: Disposal, Other
Contact: U S GOVT, DEPT OF THE NAVY
Telephone: (000) 000-0000
Mailing Address: 1220 PACIFIC AVE
SAN DIEGO, CA 92101
County Los Angeles

Gepaid: CA6170023109
TSD EPA ID: CAD000088252
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 1.3015
Waste Category: Unspecified organic liquid mixture
Disposal Method: Transfer Station
Contact: U S GOVT, DEPT OF THE NAVY
Telephone: (000) 000-0000
Mailing Address: 1220 PACIFIC AVE
SAN DIEGO, CA 92101
County Los Angeles

Gepaid: CA6170023109
TSD EPA ID: CAD000088252
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 4.3925
Waste Category:
Disposal Method: Transfer Station
Contact: U S GOVT, DEPT OF THE NAVY
Telephone: (000) 000-0000
Mailing Address: 1220 PACIFIC AVE
SAN DIEGO, CA 92101
County Los Angeles

The CA HAZNET database contains 614 additional records for this site.
Please contact your EDR Account Executive for more information.

VCP:

Facility ID 19130104
Dtsc Region Code : 4

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
USNAVY LONG BEACH NAVAL SHIPYARD (Continued)		1000231526
Region Code Definition : CYPRESS County Code : 19 Site Name Under : PIER S/AREA 4 Current Status Date : 10011997 Current Status Code : VCP Current Status : VOLUNTARY CLEANUP PROGRAM Lead Agency Code : DTSC Lead Agency : DEPT OF TOXIC SUBSTANCES CONTROL Site Type Code : VCP Site Type : VOLUNTARY CLEANUP PROGRAM National Priorities List : Not reported Tier : Not reported Source Of Funding Code : Not reported Staff Member : SSAYED Supervisor : Not reported Sic Code : 13 Sic Code Definition : OIL & GAS EXTRACTION Site Mitigatn & Brnfls Reuse Prog (SMBR) Code : SB SMBR Branch : SO CAL - CYPRESS Regional Water Quality Control Board : Not reported RWQCB Definition : Not reported Site Access Controlled : Not reported Listed In Haz Wst & Substncs Sites List (CORTESE) : Not reported Date Hazard Ranked : Not reported GW Contamination Suspected : Not reported # Of Sources Contributing To Contamination : 0.00000 Lat/Long : 0.00000° 0.00000° 0.00000° / 0.00000° 0.00000° 0.00000° Direction Lat : Not reported Direction Long : Not reported Lat/long Method : Not reported Entity Lat/long Coordinates Refer To : Not reported State Assembly Distt Code : 55 State Senate Distt Code : 27 Identifying Code: CSTAR ID Value: 400648 Other ID Desc: CALSTARS CODE Alternate Name(s): PIER S.AREA 4/PORT OF LONG BEACH Alternate Name(s): PIER S/AREA 4 Alternate Name(s): LONG BEACH HARBOR Alternate Name(s): PORT OF LONG BEACH Address(es) : TERMINAL ISLAND LONG BEACH, CA 90802 Background Info : The 175-acre site on Terminal Island has been utilized from the 1930's to the present for oil production. During the period of 1965 to 1970, the then-owner of the site (Union Pacific Resources Company, UPRC) held agreements with outside parties to lease the property for the disposal of rotary muds and crude oil tank bottoms. There are anecdotal accounts that some of the wastes disposed to the property were not consistent with waste specified in the lease contracts. In 1991, the City of Long Beach conducted a pre-purchase due diligence site investigation. The site was purchased by the City from UPRC in 1994. From 1995 to 1997 the City conducted supplement investigations. Contaminants detected include high molecular weight hydrocarbons, volatile and semi-volatile organic compounds (including polynuclear aromatic hydrocarbons) and heavy metals		

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
USNAVY LONG BEACH NAVAL SHIPYARD (Continued)		1000231526
Not reported		
Not reported		
Not reported		
Facility Id :	19130104	
AWP Activities Code :	1.00000	
DTSC Site Activity Code :	ORDER	
Activity Code Def:	I/SE, IORSE, FFA, FFSRA, VCA, EA	
AWP Activity Id :	VCA	
Dt Activity Due For Completion :	Not reported	
Revised Due Date :	Not reported	
Date Activity Completed :	09241997	
Est # Of Person-years To Complete :	0.00000	
Est. Size Of An Activity Code :	Not reported	
Site Status When Activity Commitment Made :	VCP	
Status Code Definition :	VOLUNTARY CLEANUP PROGRAM	
Cubic Yards Of Solids Removed At Completion :	0.00000	
Gallons Of Liquid Removed Upon Completion :	0.00000	
Cubic Yards Of Solids Treated Upon Completion :	0.00000	
Actvty Deleted Via Commitmnt/Completns Screen :	Not reported	
Facility Id :	19130104	
AWP Activities Code :	2.00000	
DTSC Site Activity Code :	RIFS	
Activity Code Def:	REMEDIATION INVESTIGATION / FEASIBILITY STUDY	
AWP Activity Id :	Not reported	
Dt Activity Due For Completion :	Not reported	
Revised Due Date :	Not reported	
Date Activity Completed :	10061998	
Est # Of Person-years To Complete :	0.00000	
Est. Size Of An Activity Code :	Not reported	
Site Status When Activity Commitment Made :	VCP	
Status Code Definition :	VOLUNTARY CLEANUP PROGRAM	
Cubic Yards Of Solids Removed At Completion :	0.00000	
Gallons Of Liquid Removed Upon Completion :	0.00000	
Cubic Yards Of Solids Treated Upon Completion :	0.00000	
Actvty Deleted Via Commitmnt/Completns Screen :	Not reported	
Facility Id :	19130104	
AWP Activities Code :	3.00000	
DTSC Site Activity Code :	RAP	
Activity Code Def:	REMEDIATION ACTION PLAN / RECORD OF DECISION	
AWP Activity Id :	Not reported	
Dt Activity Due For Completion :	Not reported	
Revised Due Date :	Not reported	
Date Activity Completed :	04081999	
Est # Of Person-years To Complete :	0.00000	
Est. Size Of An Activity Code :	Not reported	
Site Status When Activity Commitment Made :	VCP	
Status Code Definition :	VOLUNTARY CLEANUP PROGRAM	
Cubic Yards Of Solids Removed At Completion :	0.00000	
Gallons Of Liquid Removed Upon Completion :	0.00000	
Cubic Yards Of Solids Treated Upon Completion :	0.00000	
Actvty Deleted Via Commitmnt/Completns Screen :	Not reported	
Facility Id :	19130104	
AWP Activities Code :	4.00000	
DTSC Site Activity Code :	DES	
Activity Code Def:	DESIGN	
AWP Activity Id :	Not reported	
Dt Activity Due For Completion :	Not reported	

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
USNAVY LONG BEACH NAVAL SHIPYARD (Continued)		1000231526
Revised Due Date :	Not reported	
Date Activity Completed :	04192000	
Est # Of Person-years To Complete :	0.00000	
Est. Size Of An Activity Code :	Not reported	
Site Status When Activity Commitment Made :	VCP	
Status Code Definition :	VOLUNTARY CLEANUP PROGRAM	
Cubic Yards Of Solids Removed At Completion :	0.00000	
Gallons Of Liquid Removed Upon Completion :	0.00000	
Cubic Yards Of Solids Treated Upon Completion :	0.00000	
Actvty Deleted Via Commitmnt/Completns Screen :	Not reported	
Facility Id :	19130104	
AWP Activities Code :	5.00000	
DTSC Site Activity Code :	RMDL	
Activity Code Def:	REMEDIAL ACTION (RAP REQUIRED)	
AWP Activity Id :	Not reported	
Dt Activity Due For Completion :	Not reported	
Revised Due Date :	Not reported	
Date Activity Completed :	04232002	
Est # Of Person-years To Complete :	0.00000	
Est. Size Of An Activity Code :	Not reported	
Site Status When Activity Commitment Made :	VCP	
Status Code Definition :	VOLUNTARY CLEANUP PROGRAM	
Cubic Yards Of Solids Removed At Completion :	466500.00000	
Gallons Of Liquid Removed Upon Completion :	0.00000	
Cubic Yards Of Solids Treated Upon Completion :	466500.00000	
Actvty Deleted Via Commitmnt/Completns Screen :	Not reported	
Facility Id :	19130104	
AWP Activities Code :	6.00000	
DTSC Site Activity Code :	CERT	
Activity Code Def:	CERTIFICATION	
AWP Activity Id :	Not reported	
Dt Activity Due For Completion :	04302004	
Revised Due Date :	Not reported	
Date Activity Completed :	Not reported	
Est # Of Person-years To Complete :	0.00000	
Est. Size Of An Activity Code :	Not reported	
Site Status When Activity Commitment Made :	VCP	
Status Code Definition :	VOLUNTARY CLEANUP PROGRAM	
Cubic Yards Of Solids Removed At Completion :	0.00000	
Gallons Of Liquid Removed Upon Completion :	0.00000	
Cubic Yards Of Solids Treated Upon Completion :	0.00000	
Actvty Deleted Via Commitmnt/Completns Screen :	Not reported	
Facility Id :	19130104	
AWP Activities Code :	7.00000	
DTSC Site Activity Code :	OM	
Activity Code Def:	OPERATION & MAINTENANCE	
AWP Activity Id :	Not reported	
Dt Activity Due For Completion :	06302004	
Revised Due Date :	09302033	
Date Activity Completed :	Not reported	
Est # Of Person-years To Complete :	0.00000	
Est. Size Of An Activity Code :	Not reported	
Site Status When Activity Commitment Made :	VCP	
Status Code Definition :	VOLUNTARY CLEANUP PROGRAM	
Cubic Yards Of Solids Removed At Completion :	0.00000	
Gallons Of Liquid Removed Upon Completion :	0.00000	
Cubic Yards Of Solids Treated Upon Completion :	0.00000	

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
USNAVY LONG BEACH NAVAL SHIPYARD (Continued)		1000231526
Actvty Deleted Via Commitmnt/Completns Screen : Not reported Special Program Code: Not reported Special Program : Not reported Comments Date : 01292003 Comments : The site is being covered with a base rock layer and asphalt pavement to minimize surface water infiltration. Not reported The proposed remedial action in the RAP is excavation and on-site stabilization alternative which includes: excavation of sump soil, stabilization of sump soil by mixing with cement and placement of the excavated and stabilized sump soil in the treatment cell on top of the clean fill buffer. The stabilized sump soils will be covered with additional clean import fill and a base rock layer and asphalt pavement to minimize surface water infiltration. Not reported DES - PIER S/AREA 4: The Remedial Design and Specifications for site Remediation were completed. The site will be developed into a marine container terminal. Not reported The Remedial Action has been completed at this 176 acres. The remediation consisted of excavating contaminated soil from 33 former sumps (around 466,500 cubic yards), treatment of contaminated soil, placement and covering the site with around 17 feet of clean imported fill material to raise the surface level above sea level. The main contaminants at the site are Petroleum Hydrocarbons, Polycyclic Aromatic Hydrocarbons and some Chlorinated Solvents. Not reported On 9/24/1997 DTSC and the City of Long Beach Harbor Department executed a Voluntary Cleanup Agreement calling for DTSC oversight of Remedial Investigation/Feasibility Study - Risk Assessment and remedial activities for the site. Not reported The Remedial Investigation was conducted in five phases which include: an environmental assessment, an air and groundwater quality assessment, a quarterly groundwater monitoring program, a subsurface soil investigation, and a sump confirmation study indicating the presence of 32 sumps. Based on the RI findings and the baseline human health risk assessment, five remedial alternatives have been developed to address both soil and the shallow groundwater. Based on a screening analysis, it was determined that alternative 4: Excavation and On-site stabilization is the preferred alternative. Not reported		

**US NAVAL BASE TERMINAL ISLAND(THE MOLE)
TERMINAL ISLAND, LONG BEACH
LONG BEACH, CA**

**SWF/LF S102360871
N/A**

LF:

Facility ID: 19-AK-5011
Operator: US Dept Of Navy-Long Beach
Operator Phone: (562) 980-2720
Operator Addr: Terminal Beach
Long Beach, CA 90822
Owner: US Dept Of Navy-Long Beach
Owner Address: Not reported

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
US NAVAL BASE TERMINAL ISLAND(THE MOLE) (Continued)		S102360871
Terminal Beach		
Long Beach, CA 90822		
Owner Telephone: (562) 980-2720		
Activity: Solid Waste Disposal Site		
Operator's Status: Not reported		
Regulation Status: Not reported		
Region: STATE		
Lat/Long: 34 / -118		
Permit Date: Not reported		
Accepted Waste: Industrial,Inert,Other hazardous		
Restrictions:		
Status :	Not reported	
Swisnumber :	Not reported	
Site Type :	Not reported	
Aka :	Not reported	
Type Of Waste :	Not reported	
Disposal Area :	Not reported	
SWFP Date :	Not reported	
WDR Number :	Not reported	
Dates Of Operation :	Not reported	
Closure Approved :	Not reported	
Date Of Field Units :	Not reported	
Surface Condition :	Not reported	
Landfill Gas :	Not reported	
Leachate :	Not reported	
Emergency Response :	Not reported	
Other Recommendation :	Not reported	
Reassess Site :	Not reported	
Priority For Site Assessment :	Not reported	
Lea Date :	Not reported	
Explanation:	Not Reported	
No Further Action:	Not Reported	
Permitted Throughput with Units:	Not reported	
Permitted Throughput with Units:	Not reported	
Permitted Throughput with Units:	Not reported	
Actual Throughput with Units:	Not reported	
Actual Capacity with Units:	Not reported	
Permitted Capacity with Units:	Not reported	
Remaining Capacity with Units:	Not reported	
Permitted Total Acreage:	Not reported	
Inspection Frequency:	None	
Landuse Name:	Residential,Military,Industrial,Commercial	
GIS Source:	Place	
Permit Status:	Not reported	
Category:	Disposal	
Unit Number:	01	
Last Waste Tire Inspection Count :	Not reported	
Last Waste Tire Inspection Date:	Not reported	
Original Waste Tire Count:	Not reported	
Original Waste Tire Count Date:	Not reported	
Closure Date:	/ /	
Closure Type:	Not reported	
Disposal Acreage:	66	
Remaining Capacity:	Not reported	
Year Opened:	Not reported	
Year Closed:	Not reported	
Fill Area:	Not reported	

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
US NAVAL BASE TERMINAL ISLAND(THE MOLE) (Continued)		S102360871
Type Of Refuse: Not reported		
Avg Depth Of Fill: Not reported		
Addtl Expansion Area: Not reported		
Site Description: Not Reported		
LA COUNTY FLOOD CONTROL DUMP	SWF/LF	S106198551
SW WESTMINSTER AVE AND HWY 1 (PCH)		N/A
LONG BEACH, CA		
LF:		
Facility ID: 19-AK-5008		
Operator: Not reported		
Operator Phone: Not reported		
Operator Addr:		
Owner: Vickers II, Ms. / Pacific Coast Homes		
Owner Address: P O Box 285 Houston, TX 77001		
1999 Avenue of the Stars		
Los Angeles, CA 90067		
Owner Telephone: Not reported		
Activity: Solid Waste Disposal Site		
Operator's Status: Not reported		
Regulation Status: Not reported		
Region: STATE		
Lat/Long: 34 / -118		
Permit Date: Not reported		
Accepted Waste:		
Restrictions:		
Status : Not reported		
Swisnumber : Not reported		
Site Type : Not reported		
Aka : Not reported		
Type Of Waste : Not reported		
Disposal Area : Not reported		
SWFP Date : Not reported		
WDR Number : Not reported		
Dates Of Operation : Not reported		
Closure Approved : Not reported		
Date Of Field Units : Not reported		
Surface Condition : Not reported		
Landfill Gas : Not reported		
Leachate : Not reported		
Emergency Response : Not reported		
Other Recommendation : Not reported		
Reassess Site : Not reported		
Priority For Site Assessment : Not reported		
Lea Date : Not reported		
Explanation: Not Reported		
No Further Action: Not Reported		
Permitted Throughput with Units: Not reported		
Permitted Throughput with Units: Not reported		
Permitted Throughput with Units: Not reported		
Actual Throughput with Units: Not reported		
Actual Capacity with Units: Not reported		
Permitted Capacity with Units: Not reported		
Remaining Capacity with Units: Not reported		
Permitted Total Acreage: Not reported		
Inspection Frequency: Annual		
Landuse Name: Not reported		

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
LA COUNTY FLOOD CONTROL DUMP (Continued)		S106198551
GIS Source: Map Permit Status: Not reported Category: Disposal Unit Number: 01 Last Waste Tire Inspection Count : Not reported Last Waste Tire Inspection Date: Not reported Original Waste Tire Count: Not reported Original Waste Tire Count Date: Not reported Closure Date: 12/31/62 Closure Type: Estimated Disposal Acreage: Not reported Remaining Capacity: Not reported Year Opened: Not reported Year Closed: Not reported Fill Area: Not reported Type Of Refuse: Not reported Avg Depth Of Fill: Not reported Addtl Expansion Area: Not reported Site Description: Not Reported		
BERTH 70, LONG BEACH HARBOUR LOS ANGELES COUNTY, CA	CHMIRS HAZNET	S105637568 N/A
CHMIRS: OES Control Number: 194 Chemical Name: crude Extent of Release: Not reported Property Use: Not reported Incident Date: Not reported Date Completed: Not reported Time Completed : Not reported Agency Id Number : Not reported Agency Incident Number : Not reported OES Incident Number : 194 Time Notified : Not reported Surrounding Area : Not reported Estimated Temperature : Not reported Property Management : Not reported More Than Two Substances Involved? : Not reported Special Studies 1 : Not reported Special Studies 2 : Not reported Special Studies 3 : Not reported Special Studies 4 : Not reported Special Studies 5 : Not reported Special Studies 6 : Not reported Responding Agency Personel # Of Injuries : NO Responding Agency Personel # Of Fatalities : NO Resp Agncy Personel # Of Decontaminated : Not reported Others Number Of Decontaminated : Not reported Others Number Of Injuries : Not reported Others Number Of Fatalities : Not reported Vehicle Make/year : Not reported Vehicle License Number : Not reported Vehicle State : Not reported Vehicle Id Number : Not reported CA/DOT/PUC/ICC Number : Not reported Company Name : Not reported		

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
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(Continued)

S105637568

Reporting Officer Name/ID :	Not reported
Report Date :	Not reported
Comments :	Not reported
Facility Telephone Number :	Not reported
Waterway Involved :	NO
Waterway :	long beach harbour
Spill Site :	OTHER
Cleanup By :	not appropriate
Containment :	YES
What Happened :	flare from stacks caused release of soot
Type :	PETROLEUM
Other :	Not reported
Chemical 1 :	Not Reported
Chemical 2 :	Not Reported
Chemical 3 :	Not Reported
Date/Time :	011394 0950
Evacuations :	NO

HAZNET:

Gepaid:	CAC002552763
TSD EPA ID:	Not reported
Gen County:	Contra Costa
Tsd County:	Los Angeles
Tons:	0.67
Waste Category:	Other organic solids
Disposal Method:	Transfer Station
Contact:	RANDALL ESCH
Telephone:	(510) 523-8900
Mailing Address:	2900 MAIN ST ALAMEDA, CA 94501
County	Not reported
Gepaid:	CAC002552763
TSD EPA ID:	Not reported
Gen County:	Contra Costa
Tsd County:	Solano
Tons:	0.84
Waste Category:	Asbestos-containing waste
Disposal Method:	Disposal, Land Fill
Contact:	RANDALL ESCH
Telephone:	(510) 523-8900
Mailing Address:	2900 MAIN ST ALAMEDA, CA 94501
County	Not reported

**BERTH 30 LONG BEACH HARBOUR
LOS ANGELES COUNTY, CA**

CHMIRS	S105641187
HAZNET	N/A

CHMIRS:

OES Control Number:	7524
Chemical Name:	beef tallow
Extent of Release:	Not reported
Property Use:	Not reported
Incident Date:	Not reported
Date Completed:	Not reported
Time Completed :	Not reported
Agency Id Number :	Not reported
Agency Incident Number :	Not reported

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
(Continued)		S105641187
OES Incident Number :	7524	
Time Notified :	Not reported	
Surrounding Area :	Not reported	
Estimated Temperature :	Not reported	
Property Management :	Not reported	
More Than Two Substances Involved? :	Not reported	
Special Studies 1 :	Not reported	
Special Studies 2 :	Not reported	
Special Studies 3 :	Not reported	
Special Studies 4 :	Not reported	
Special Studies 5 :	Not reported	
Special Studies 6 :	Not reported	
Responding Agency Personel # Of Injuries :	NO	
Responding Agency Personel # Of Fatalities :	NO	
Resp Agncy Personel # Of Decontaminated :	Not reported	
Others Number Of Decontaminated :	Not reported	
Others Number Of Injuries :	Not reported	
Others Number Of Fatalities :	Not reported	
Vehicle Make/year :	Not reported	
Vehicle License Number :	Not reported	
Vehicle State :	Not reported	
Vehicle Id Number :	Not reported	
CA/DOT/PUC/ICC Number :	Not reported	
Company Name :	Not reported	
Reporting Officer Name/ID :	Not reported	
Report Date :	Not reported	
Comments :	Not reported	
Facility Telephone Number :	Not reported	
Waterway Involved :	NO	
Waterway :	long beach harbour	
Spill Site :	IND PLT	
Cleanup By :	private contractor	
Containment :	YES	
What Happened :	unknown cause - source is railway tank car	
Type :	Not reported	
Other :	Not reported	
Chemical 1 :	Not Reported	
Chemical 2 :	Not Reported	
Chemical 3 :	Not Reported	
Date/Time :	3/25/95 0230	
Evacuations :	NO	
HAZNET:		
Gepaid:	CAC002552032	
TSD EPA ID:	Not reported	
Gen County:	Los Angeles	
Tsd County:	Los Angeles	
Tons:	34.60	
Waste Category:	Unspecified oil-containing waste	
Disposal Method:	Treatment, Tank	
Contact:	ROMAN VAYNERMAN	
Telephone:	(562) 901-9402	
Mailing Address:	100 W BROADWAY	
	LONG BEACH, CA 90802	
County	Not reported	

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
FLORENCE AVE / TELEGRAPH RD WHITTIER LOS ANGELES COUNTY, CA	CHMIRS LUST	S105630661 N/A
CHMIRS:		
OES Control Number:	28166	
Chemical Name:	CHLORINE 1/2 OF IT RELEASED	
Extent of Release:	Not reported	
Property Use:	Not reported	
Incident Date:	Not reported	
Date Completed:	Not reported	
Time Completed :	Not reported	
Agency Id Number :	Not reported	
Agency Incident Number :	Not reported	
OES Incident Number :	28166	
Time Notified :	Not reported	
Surrounding Area :	Not reported	
Estimated Temperature :	Not reported	
Property Management :	Not reported	
More Than Two Substances Involved? :	Not reported	
Special Studies 1 :	Not reported	
Special Studies 2 :	Not reported	
Special Studies 3 :	Not reported	
Special Studies 4 :	Not reported	
Special Studies 5 :	Not reported	
Special Studies 6 :	Not reported	
Responding Agency Personel # Of Injuries :	Not reported	
Responding Agency Personel # Of Fatalities :	Not reported	
Resp Agncy Personel # Of Decontaminated :	Not reported	
Others Number Of Decontaminated :	Not reported	
Others Number Of Injuries :	Not reported	
Others Number Of Fatalities :	Not reported	
Vehicle Make/year :	Not reported	
Vehicle License Number :	Not reported	
Vehicle State :	Not reported	
Vehicle Id Number :	Not reported	
CA/DOT/PUC/ICC Number :	Not reported	
Company Name :	Not reported	
Reporting Officer Name/ID :	Not reported	
Report Date :	Not reported	
Comments :	Not reported	
Facility Telephone Number :	Not reported	
Waterway Involved :	Not reported	
Waterway :	NONE	
Spill Site :	Not reported	
Cleanup By :	AIR RELEASE	
Containment :	NO	
What Happened :	DAMAGED VALVE ON CYLINDER	
Type :	CHEMICAL	
Other :	Not reported	
Chemical 1 :	Not Reported	
Chemical 2 :	Not Reported	
Chemical 3 :	Not Reported	
Date/Time :	6/1/93/13:59	
Evacuations :	Not reported	
LUST Region 4:		
Report Date:	04/28/1999	
Lead Agency:	Regional Board	

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
(Continued)		S105630661
Local Agency:	19000	
Substance:	Regular Gasoline	
Case Type:	Soil	
Status:	Pollution Characterization	
Region:	4	
Staff:	SLC	
Date Case Last Changed on Database:	7/15/02	
Date Leak Record Entered:	Not reported	
Historical Max MTBE Date:	10/9/02	
GW Qualifier:	=	
Soil Qualifier:	Not reported	
Hist Max MTBE Conc in Groundwater:	0.67	
Hist Max MTBE Conc in Soil :	1.4	
County:	Los Angeles	
Organization :	Not reported	
Regional Board:	4	
Owner Contact:	Not reported	
Responsible Party:	RICHARD E. WILLIAMS	
RP Address:	376 S. VALENCIA AVE.	
Significant Interim Remedial Action Taken:	Not reported	
Program :	SLIC	
Lat / Long :	34 / -118	
Local Agency Staff:	Not reported	
Summary :	TANKS REMOVED IN 1969; 10/31/00 SITE ASSESSMENT WORK PLAN; FORMERLY SITE CALLED UNION OIL AT 7201 ALAMEDA ST	
Hydrologic Basin # :	SAN FERNANDO VALLEY	
Beneficial Use :	Not reported	
Priority :	Not reported	
Cleanup Fund Id :	Not reported	
Suspended :	Not reported	
Local Case No :	Not reported	
Substance Quantity :	0	
Abatement Method Used at the Site:	Not reported	
Operator :	Not reported	
Water System :	Not reported	
Well Name :	Not reported	
Approx. Dist To Production Well (ft) :	1400.532066	
Assigned Name :	Not reported	
Source of Cleanup Funding:	Not reported	
Date the Leak was Discovered:	03/23/1999	
How the Leak was Discovered:	Subsurface Monitoring	
How the Leak was Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	UNK	
Date The Leak was Stopped:	Not reported	
Date Confirmation Leak Began:	Not reported	
Preliminary Site Assessment Workplan Submitted:	Not reported	
Preliminary Site Assessment Began:	12/14/00	
Pollution Characterization Began:	3/15/01	
Remediation Plan Submitted:	Not reported	
Remedial Action Underway:	Not reported	
Post Remedial Action Monitoring Began:	Not reported	
Date the Case was Closed:	Not reported	
Enforcement Action Date:	Not reported	
Date Leak First Reported:	04/28/1999	
Enforcement Type:	Not reported	

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
(Continued)		S105630661
Global ID : Cross Street: ALAMEDA	T0603700405	
PORT OF LONG BEACH ANAHEIM ST BETW FARRAGUT / I STREET WILMINGTON, CA 90813	HAZNET	S103678151 N/A
HAZNET:		
Gepaid:	CAL000187949	
TSD EPA ID:	CAD008252405	
Gen County:	Los Angeles	
Tsd County:	Los Angeles	
Tons:	.1251	
Waste Category:	Unspecified organic liquid mixture	
Disposal Method:	Not reported	
Contact:	PORT OF LONG BEACH	
Telephone:	(562) 437-0041	
Mailing Address:	925 HARBOR PLAZA	
	LONG BEACH, CA 90802 - 6411	
County	Los Angeles	
Gepaid:	CAL000187949	
TSD EPA ID:	CAD008252405	
Gen County:	Los Angeles	
Tsd County:	Los Angeles	
Tons:	.1251	
Waste Category:	Unspecified organic liquid mixture	
Disposal Method:	Recycler	
Contact:	PORT OF LONG BEACH	
Telephone:	(562) 437-0041	
Mailing Address:	925 HARBOR PLAZA	
	LONG BEACH, CA 90802 - 6411	
County	Los Angeles	
Gepaid:	CAL000187949	
TSD EPA ID:	CAD008252405	
Gen County:	Los Angeles	
Tsd County:	Los Angeles	
Tons:	.8000	
Waste Category:	Other organic solids	
Disposal Method:	Not reported	
Contact:	PORT OF LONG BEACH	
Telephone:	(562) 437-0041	
Mailing Address:	925 HARBOR PLAZA	
	LONG BEACH, CA 90802 - 6411	
County	Los Angeles	
Gepaid:	CAL000187949	
TSD EPA ID:	CAD050806850	
Gen County:	Los Angeles	
Tsd County:	Los Angeles	
Tons:	.1250	
Waste Category:	Other organic solids	
Disposal Method:	Not reported	
Contact:	PORT OF LONG BEACH	
Telephone:	(562) 437-0041	
Mailing Address:	925 HARBOR PLAZA	
	LONG BEACH, CA 90802 - 6411	
County	Los Angeles	

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
PORT OF LONG BEACH (Continued)		S103678151
Gepaid:	CAL000187949	
TSD EPA ID:	CAD008252405	
Gen County:	Los Angeles	
Tsd County:	Los Angeles	
Tons:	.8000	
Waste Category:	Other organic solids	
Disposal Method:	Recycler	
Contact:	PORT OF LONG BEACH	
Telephone:	(562) 437-0041	
Mailing Address:	925 HARBOR PLAZA	
	LONG BEACH, CA 90802 - 6411	
County	Los Angeles	

The CA HAZNET database contains 11 additional records for this site.
Please contact your EDR Account Executive for more information.

EPA Waste Codes Addendum

Code	Description
D001	IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
D002	A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.
D003	A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.
D004	ARSENIC
D005	BARIUM
D006	CADMIUM
D007	CHROMIUM
D008	LEAD
D009	MERCURY
D011	SILVER
D013	LINDANE
D014	METHOXYCHLOR
D016	2,4-D
D018	BENZENE
D020	CHLORDANE
D027	1,4-DICHLOROBENZENE
D035	METHYL ETHYL KETONE
D039	TETRACHLOROETHYLENE

EPA Waste Codes Addendum

Code	Description
F001	THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE, AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
F002	THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
F003	THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
F005	THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
F006	WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.
F007	SPENT CYANIDE PLATING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS
F008	PLATING BATH RESIDUES FROM THE BOTTOM OF PLATING BATHS FROM ELECTROPLATING OPERATIONS WHERE CYANIDES ARE USED IN THE PROCESS.
F009	SPENT STRIPPING AND CLEANING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS WHERE CYANIDES ARE USED IN THE PROCESS.
P028	BENZENE, (CHLOROMETHYL)-
P028	BENZYL CHLORIDE

EPA Waste Codes Addendum

Code	Description
U122	FORMALDEHYDE
U223	BENZENE, 1,3-DIISOCYANATOMETHYL- (R,T)
U223	TOLUENE DIISOCYANATE (R,T)

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Elapsed ASTM days: Provides confirmation that this EDR report meets or exceeds the 90-day updating requirement of the ASTM standard.

FEDERAL ASTM STANDARD RECORDS

NPL: National Priority List

Source: EPA

Telephone: N/A

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 04/27/04

Date Made Active at EDR: 05/21/04

Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 05/04/04

Elapsed ASTM days: 17

Date of Last EDR Contact: 05/04/04

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)

Telephone: 202-564-7333

EPA Region 1

Telephone 617-918-1143

EPA Region 6

Telephone: 214-655-6659

EPA Region 3

Telephone 215-814-5418

EPA Region 8

Telephone: 303-312-6774

EPA Region 4

Telephone 404-562-8033

Proposed NPL: Proposed National Priority List Sites

Source: EPA

Telephone: N/A

Date of Government Version: 04/27/04

Date Made Active at EDR: 05/21/04

Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 05/04/04

Elapsed ASTM days: 17

Date of Last EDR Contact: 05/04/04

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

Source: EPA

Telephone: 703-413-0223

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 02/26/04

Date Made Active at EDR: 04/02/04

Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 03/22/04

Elapsed ASTM days: 11

Date of Last EDR Contact: 03/22/04

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Source: EPA

Telephone: 703-413-0223

As of February 1995, CERCLIS sites designated "No Further Remedial Action Planned" (NFRAP) have been removed from CERCLIS. NFRAP sites may be sites where, following an initial investigation, no contamination was found, contamination was removed quickly without the need for the site to be placed on the NPL, or the contamination was not serious enough to require Federal Superfund action or NPL consideration. EPA has removed approximately 25,000 NFRAP sites to lift the unintended barriers to the redevelopment of these properties and has archived them as historical records so EPA does not needlessly repeat the investigations in the future. This policy change is part of the EPA's Brownfields Redevelopment Program to help cities, states, private investors and affected citizens to promote economic redevelopment of unproductive urban sites.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/26/04
Date Made Active at EDR: 04/02/04
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 03/22/04
Elapsed ASTM days: 11
Date of Last EDR Contact: 03/22/04

CORRACTS: Corrective Action Report

Source: EPA

Telephone: 800-424-9346

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/15/04
Date Made Active at EDR: 04/15/04
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 03/25/04
Elapsed ASTM days: 21
Date of Last EDR Contact: 03/08/04

RCRIS: Resource Conservation and Recovery Information System

Source: EPA

Telephone: 800-424-9346

Resource Conservation and Recovery Information System. RCRIS includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs): generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs): generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators (LQGs): generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator off-site to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 04/13/04
Date Made Active at EDR: 05/13/04
Database Release Frequency: Varies

Date of Data Arrival at EDR: 04/20/04
Elapsed ASTM days: 23
Date of Last EDR Contact: 04/20/04

ERNS: Emergency Response Notification System

Source: National Response Center, United States Coast Guard

Telephone: 202-260-2342

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/03
Date Made Active at EDR: 03/12/04
Database Release Frequency: Annually

Date of Data Arrival at EDR: 01/26/04
Elapsed ASTM days: 46
Date of Last EDR Contact: 04/26/04

FEDERAL ASTM SUPPLEMENTAL RECORDS

BRS: Biennial Reporting System

Source: EPA/NTIS

Telephone: 800-424-9346

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/01/01
Database Release Frequency: Biennially

Date of Last EDR Contact: 03/16/04
Date of Next Scheduled EDR Contact: 06/14/04

CONSENT: Superfund (CERCLA) Consent Decrees

Source: EPA Regional Offices

Telephone: Varies

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: N/A
Database Release Frequency: Varies

Date of Last EDR Contact: N/A
Date of Next Scheduled EDR Contact: N/A

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ROD: Records Of Decision

Source: EPA
Telephone: 703-416-0223

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 01/09/04
Database Release Frequency: Annually

Date of Last EDR Contact: 04/05/04
Date of Next Scheduled EDR Contact: 07/05/04

DELISTED NPL: National Priority List Deletions

Source: EPA
Telephone: N/A

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 04/27/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 05/04/04
Date of Next Scheduled EDR Contact: 08/02/04

FINDS: Facility Index System/Facility Identification Initiative Program Summary Report

Source: EPA
Telephone: N/A

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 04/08/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 04/05/04
Date of Next Scheduled EDR Contact: 07/05/04

HMIRS: Hazardous Materials Information Reporting System

Source: U.S. Department of Transportation
Telephone: 202-366-4555

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 02/17/04
Database Release Frequency: Annually

Date of Last EDR Contact: 04/20/04
Date of Next Scheduled EDR Contact: 07/19/04

MLTS: Material Licensing Tracking System

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 01/15/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 04/05/04
Date of Next Scheduled EDR Contact: 07/05/04

MINES: Mines Master Index File

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959

Date of Government Version: 03/05/04
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 03/30/04
Date of Next Scheduled EDR Contact: 06/28/04

NPL LIENS: Federal Superfund Liens

Source: EPA
Telephone: 202-564-4267

Federal Superfund Liens. Under the authority granted the USEPA by the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner receives notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/15/91
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 03/12/04
Date of Next Scheduled EDR Contact: 05/24/04

PADS: PCB Activity Database System

Source: EPA
Telephone: 202-564-3887

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 12/30/03
Database Release Frequency: Annually

Date of Last EDR Contact: 05/12/04
Date of Next Scheduled EDR Contact: 08/09/04

DOD: Department of Defense Sites

Source: USGS
Telephone: 703-692-8801

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 10/01/03
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 02/02/04
Date of Next Scheduled EDR Contact: 05/10/04

STORMWATER: Storm Water General Permits

Source: Environmental Protection Agency
Telephone: 202 564-0746

A listing of all facilities with Storm Water General Permits.

Date of Government Version: N/A
Database Release Frequency: Quarterly

Date of Last EDR Contact: N/A
Date of Next Scheduled EDR Contact: N/A

INDIAN RESERV: Indian Reservations

Source: USGS
Telephone: 202-208-3710

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 10/01/03
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 02/02/04
Date of Next Scheduled EDR Contact: 05/10/04

US BROWNFIELDS: A Listing of Brownfields Sites

Source: Environmental Protection Agency
Telephone: 202-566-2777

Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become BCRLF cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: 04/14/04
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 03/15/04
Date of Next Scheduled EDR Contact: 06/14/04

RMP: Risk Management Plans

Source: Environmental Protection Agency
Telephone: 202-564-8600

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: N/A
Database Release Frequency: N/A

Date of Last EDR Contact: N/A
Date of Next Scheduled EDR Contact: N/A

FUDS: Formerly Used Defense Sites

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 10/01/03
Database Release Frequency: Varies

Date of Last EDR Contact: 04/26/04
Date of Next Scheduled EDR Contact: 07/05/04

RAATS: RCRA Administrative Action Tracking System

Source: EPA
Telephone: 202-564-4104

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/95
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 03/08/04
Date of Next Scheduled EDR Contact: 06/07/04

TRIS: Toxic Chemical Release Inventory System

Source: EPA
Telephone: 202-566-0250

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/01
Database Release Frequency: Annually

Date of Last EDR Contact: 03/23/04
Date of Next Scheduled EDR Contact: 06/21/04

TSCA: Toxic Substances Control Act

Source: EPA
Telephone: 202-260-5521

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/02
Database Release Frequency: Every 4 Years

Date of Last EDR Contact: 03/05/04
Date of Next Scheduled EDR Contact: 06/07/04

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

Source: EPA
Telephone: 202-564-2501

Date of Government Version: 04/13/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/22/04
Date of Next Scheduled EDR Contact: 06/21/04

SSTS: Section 7 Tracking Systems

Source: EPA
Telephone: 202-564-5008

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/01
Database Release Frequency: Annually

Date of Last EDR Contact: 04/19/04
Date of Next Scheduled EDR Contact: 07/19/04

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

Source: EPA/Office of Prevention, Pesticides and Toxic Substances

Telephone: 202-564-2501

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/13/04

Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/22/04

Date of Next Scheduled EDR Contact: 06/21/04

STATE OF CALIFORNIA ASTM STANDARD RECORDS

AWP: Annual Workplan Sites

Source: California Environmental Protection Agency

Telephone: 916-323-3400

Known Hazardous Waste Sites. California DTSC's Annual Workplan (AWP), formerly BEP, identifies known hazardous substance sites targeted for cleanup.

Date of Government Version: 03/02/04

Date Made Active at EDR: 03/24/04

Database Release Frequency: Annually

Date of Data Arrival at EDR: 03/03/04

Elapsed ASTM days: 21

Date of Last EDR Contact: 03/03/04

CAL-SITES: Calsites Database

Source: Department of Toxic Substance Control

Telephone: 916-323-3400

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database.

Date of Government Version: 03/02/04

Date Made Active at EDR: 03/24/04

Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 03/03/04

Elapsed ASTM days: 21

Date of Last EDR Contact: 03/03/04

CHMIRS: California Hazardous Material Incident Report System

Source: Office of Emergency Services

Telephone: 916-845-8400

California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 12/31/02

Date Made Active at EDR: 08/07/03

Database Release Frequency: Varies

Date of Data Arrival at EDR: 07/11/03

Elapsed ASTM days: 27

Date of Last EDR Contact: 02/23/04

CORTESE: "Cortese" Hazardous Waste & Substances Sites List

Source: CAL EPA/Office of Emergency Information

Telephone: 916-323-9100

The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

Date of Government Version: 04/01/01

Date Made Active at EDR: 07/26/01

Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 05/29/01

Elapsed ASTM days: 58

Date of Last EDR Contact: 04/28/04

NOTIFY 65: Proposition 65 Records

Source: State Water Resources Control Board

Telephone: 916-445-3846

Proposition 65 Notification Records. NOTIFY 65 contains facility notifications about any release which could impact drinking water and thereby expose the public to a potential health risk.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/21/93
Date Made Active at EDR: 11/19/93
Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 11/01/93
Elapsed ASTM days: 18
Date of Last EDR Contact: 04/19/04

TOXIC PITS: Toxic Pits Cleanup Act Sites

Source: State Water Resources Control Board
Telephone: 916-227-4364

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/95
Date Made Active at EDR: 09/26/95
Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 08/30/95
Elapsed ASTM days: 27
Date of Last EDR Contact: 05/03/04

SWF/LF (SWIS): Solid Waste Information System

Source: Integrated Waste Management Board
Telephone: 916-341-6320

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inventory of solid waste disposal facilities or landfills. These may be active or inactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 03/15/04
Date Made Active at EDR: 04/14/04
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 03/17/04
Elapsed ASTM days: 28
Date of Last EDR Contact: 03/16/04

WMUDS/SWAT: Waste Management Unit Database

Source: State Water Resources Control Board
Telephone: 916-227-4448

Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/00
Date Made Active at EDR: 05/10/00
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 04/10/00
Elapsed ASTM days: 30
Date of Last EDR Contact: 03/11/04

LUST: Leaking Underground Storage Tank Information System

Source: State Water Resources Control Board
Telephone: 916-341-5740

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 04/13/04
Date Made Active at EDR: 04/29/04
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 04/13/04
Elapsed ASTM days: 16
Date of Last EDR Contact: 04/13/04

CA BOND EXP. PLAN: Bond Expenditure Plan

Source: Department of Health Services
Telephone: 916-255-2118

Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/89
Date Made Active at EDR: 08/02/94
Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 07/27/94
Elapsed ASTM days: 6
Date of Last EDR Contact: 05/31/94

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CA UST:

UST: Active UST Facilities

Source: SWRCB

Telephone: 916-341-5700

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 04/13/04

Date Made Active at EDR: 04/29/04

Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 04/13/04

Elapsed ASTM days: 16

Date of Last EDR Contact: 04/13/04

VCP: Voluntary Cleanup Program Properties

Source: Department of Toxic Substances Control

Telephone: 916-323-3400

Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 03/02/04

Date Made Active at EDR: 03/24/04

Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 03/03/04

Elapsed ASTM days: 21

Date of Last EDR Contact: 03/03/04

INDIAN LUST: Leaking Underground Storage Tanks on Indian Land

Source: Environmental Protection Agency

Telephone: 415-972-3372

LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 02/09/04

Date Made Active at EDR: 03/01/04

Database Release Frequency: Varies

Date of Data Arrival at EDR: 02/10/04

Elapsed ASTM days: 20

Date of Last EDR Contact: 01/27/04

INDIAN LUST: Leaking Underground Storage Tanks on Indian Land

Source: EPA Region 10

Telephone: 206-553-2857

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 03/11/04

Date Made Active at EDR: 03/31/04

Database Release Frequency: Varies

Date of Data Arrival at EDR: 03/12/04

Elapsed ASTM days: 19

Date of Last EDR Contact: 01/27/04

INDIAN UST: Underground Storage Tanks on Indian Land

Source: EPA Region 9

Telephone: 415-972-3368

Date of Government Version: 02/25/04

Date Made Active at EDR: 03/24/04

Database Release Frequency: Varies

Date of Data Arrival at EDR: 03/01/04

Elapsed ASTM days: 23

Date of Last EDR Contact: 02/23/04

CA FID UST: Facility Inventory Database

Source: California Environmental Protection Agency

Telephone: 916-445-6532

The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/94

Date Made Active at EDR: 09/29/95

Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 09/05/95

Elapsed ASTM days: 24

Date of Last EDR Contact: 12/28/98

HIST UST: Hazardous Substance Storage Container Database

Source: State Water Resources Control Board

Telephone: 916-341-5700

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/15/90
Date Made Active at EDR: 02/12/91
Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 01/25/91
Elapsed ASTM days: 18
Date of Last EDR Contact: 07/26/01

STATE OF CALIFORNIA ASTM SUPPLEMENTAL RECORDS

AST: Aboveground Petroleum Storage Tank Facilities

Source: State Water Resources Control Board
Telephone: 916-341-5712
Registered Aboveground Storage Tanks.

Date of Government Version: 12/01/03
Database Release Frequency: Quarterly

Date of Last EDR Contact: 05/03/04
Date of Next Scheduled EDR Contact: 08/02/04

CLEANERS: Cleaner Facilities

Source: Department of Toxic Substance Control
Telephone: 916-225-0873

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 04/21/04
Database Release Frequency: Annually

Date of Last EDR Contact: 04/05/04
Date of Next Scheduled EDR Contact: 07/05/04

CA WDS: Waste Discharge System

Source: State Water Resources Control Board
Telephone: 916-341-5227
Sites which have been issued waste discharge requirements.

Date of Government Version: 04/05/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/22/04
Date of Next Scheduled EDR Contact: 06/21/04

DEED: List of Deed Restrictions

Source: Department of Toxic Substances Control
Telephone: 916-323-3400

The use of recorded land use restrictions is one of the methods the DTSC uses to protect the public from unsafe exposures to hazardous substances and wastes.

Date of Government Version: 04/06/04
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 04/06/04
Date of Next Scheduled EDR Contact: 07/05/04

NFA: No Further Action Determination

Source: Department of Toxic Substances Control
Telephone: 916-323-3400

This category contains properties at which DTSC has made a clear determination that the property does not pose a problem to the environment or to public health.

Date of Government Version: 03/02/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/03/04
Date of Next Scheduled EDR Contact: 05/31/04

EMI: Emissions Inventory Data

Source: California Air Resources Board
Telephone: 916-322-2990

Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/02
Database Release Frequency: Varies

Date of Last EDR Contact: 04/20/04
Date of Next Scheduled EDR Contact: 07/19/04

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

REF: Unconfirmed Properties Referred to Another Agency

Source: Department of Toxic Substances Control

Telephone: 916-323-3400

This category contains properties where contamination has not been confirmed and which were determined as not requiring direct DTSC Site Mitigation Program action or oversight. Accordingly, these sites have been referred to another state or local regulatory agency.

Date of Government Version: 03/02/04

Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/03/04

Date of Next Scheduled EDR Contact: 05/31/04

SCH: School Property Evaluation Program

Source: Department of Toxic Substances Control

Telephone: 916-323-3400

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 03/02/04

Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/03/04

Date of Next Scheduled EDR Contact: 05/31/04

NFE: Properties Needing Further Evaluation

Source: Department of Toxic Substances Control

Telephone: 916-323-3400

This category contains properties that are suspected of being contaminated. These are unconfirmed contaminated properties that need to be assessed using the PEA process. PEA in Progress indicates properties where DTSC is currently conducting a PEA. PEA Required indicates properties where DTSC has determined a PEA is required, but not currently underway.

Date of Government Version: 03/02/04

Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/03/04

Date of Next Scheduled EDR Contact: 05/31/04

HAZNET: Hazardous Waste Information System

Source: California Environmental Protection Agency

Telephone: 916-255-1136

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method.

Date of Government Version: 12/31/02

Database Release Frequency: Annually

Date of Last EDR Contact: 05/10/04

Date of Next Scheduled EDR Contact: 08/09/04

LOCAL RECORDS

ALAMEDA COUNTY:

Local Oversight Program Listing of UGT Cleanup Sites

Source: Alameda County Environmental Health Services

Telephone: 510-567-6700

Date of Government Version: 12/09/03

Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 04/26/04

Date of Next Scheduled EDR Contact: 07/26/04

Underground Tanks

Source: Alameda County Environmental Health Services

Telephone: 510-567-6700

Date of Government Version: 12/09/03

Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 04/26/04

Date of Next Scheduled EDR Contact: 07/26/04

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CONTRA COSTA COUNTY:

Site List

Source: Contra Costa Health Services Department

Telephone: 925-646-2286

List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 03/05/04

Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 03/01/04

Date of Next Scheduled EDR Contact: 05/31/04

FRESNO COUNTY:

CUPA Resources List

Source: Dept. of Community Health

Telephone: 559-445-3271

Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 01/14/04

Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 05/10/04

Date of Next Scheduled EDR Contact: 08/09/04

KERN COUNTY:

Underground Storage Tank Sites & Tank Listing

Source: Kern County Environment Health Services Department

Telephone: 661-862-8700

Kern County Sites and Tanks Listing.

Date of Government Version: 01/27/04

Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/08/04

Date of Next Scheduled EDR Contact: 06/07/04

LOS ANGELES COUNTY:

List of Solid Waste Facilities

Source: La County Department of Public Works

Telephone: 818-458-5185

Date of Government Version: 06/03/03

Database Release Frequency: Varies

Date of Last EDR Contact: 02/20/04

Date of Next Scheduled EDR Contact: 05/17/04

City of El Segundo Underground Storage Tank

Source: City of El Segundo Fire Department

Telephone: 310-524-2236

Date of Government Version: 03/01/04

Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 02/16/04

Date of Next Scheduled EDR Contact: 05/17/04

City of Long Beach Underground Storage Tank

Source: City of Long Beach Fire Department

Telephone: 562-570-2543

Date of Government Version: 03/28/03

Database Release Frequency: Annually

Date of Last EDR Contact: 02/23/04

Date of Next Scheduled EDR Contact: 05/24/04

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

City of Torrance Underground Storage Tank

Source: City of Torrance Fire Department

Telephone: 310-618-2973

Date of Government Version: 02/17/04

Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 02/16/04

Date of Next Scheduled EDR Contact: 05/17/04

City of Los Angeles Landfills

Source: Engineering & Construction Division

Telephone: 213-473-7869

Date of Government Version: 03/01/04

Database Release Frequency: Varies

Date of Last EDR Contact: 03/16/04

Date of Next Scheduled EDR Contact: 06/14/04

HMS: Street Number List

Source: Department of Public Works

Telephone: 626-458-3517

Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 09/30/03

Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 04/05/04

Date of Next Scheduled EDR Contact: 05/17/04

Site Mitigation List

Source: Community Health Services

Telephone: 323-890-7806

Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 02/26/04

Database Release Frequency: Annually

Date of Last EDR Contact: 02/16/04

Date of Next Scheduled EDR Contact: 05/17/04

San Gabriel Valley Areas of Concern

Source: EPA Region 9

Telephone: 415-972-3178

San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office.

Date of Government Version: 12/31/98

Database Release Frequency: No Update Planned

Date of Last EDR Contact: 07/06/99

Date of Next Scheduled EDR Contact: N/A

MARIN COUNTY:

Underground Storage Tank Sites

Source: Public Works Department Waste Management

Telephone: 415-499-6647

Currently permitted USTs in Marin County.

Date of Government Version: 02/10/04

Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 05/03/04

Date of Next Scheduled EDR Contact: 08/02/04

NAPA COUNTY:

Sites With Reported Contamination

Source: Napa County Department of Environmental Management

Telephone: 707-253-4269

Date of Government Version: 03/29/04

Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 03/29/04

Date of Next Scheduled EDR Contact: 06/28/04

Closed and Operating Underground Storage Tank Sites

Source: Napa County Department of Environmental Management

Telephone: 707-253-4269

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/29/04
Database Release Frequency: Annually

Date of Last EDR Contact: 03/29/04
Date of Next Scheduled EDR Contact: 06/28/04

ORANGE COUNTY:

List of Underground Storage Tank Cleanups

Source: Health Care Agency
Telephone: 714-834-3446
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 03/01/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/08/04
Date of Next Scheduled EDR Contact: 06/07/04

List of Underground Storage Tank Facilities

Source: Health Care Agency
Telephone: 714-834-3446
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 03/01/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/08/04
Date of Next Scheduled EDR Contact: 06/07/04

List of Industrial Site Cleanups

Source: Health Care Agency
Telephone: 714-834-3446
Petroleum and non-petroleum spills.

Date of Government Version: 03/01/04
Database Release Frequency: Annually

Date of Last EDR Contact: 03/08/04
Date of Next Scheduled EDR Contact: 06/07/04

PLACER COUNTY:

Master List of Facilities

Source: Placer County Health and Human Services
Telephone: 530-889-7312
List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 02/17/04
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 02/17/04
Date of Next Scheduled EDR Contact: 06/21/04

RIVERSIDE COUNTY:

Listing of Underground Tank Cleanup Sites

Source: Department of Public Health
Telephone: 909-358-5055
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 12/23/03
Database Release Frequency: Quarterly

Date of Last EDR Contact: 04/19/04
Date of Next Scheduled EDR Contact: 07/19/04

Underground Storage Tank Tank List

Source: Health Services Agency
Telephone: 909-358-5055
Date of Government Version: 12/01/03
Database Release Frequency: Quarterly

Date of Last EDR Contact: 04/19/04
Date of Next Scheduled EDR Contact: 07/19/04

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SACRAMENTO COUNTY:

CS - Contaminated Sites

Source: Sacramento County Environmental Management
Telephone: 916-875-8406

Date of Government Version: 01/29/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 05/07/04
Date of Next Scheduled EDR Contact: 08/02/04

ML - Regulatory Compliance Master List

Source: Sacramento County Environmental Management
Telephone: 916-875-8406

Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 02/03/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 05/07/04
Date of Next Scheduled EDR Contact: 08/02/04

SAN BERNARDINO COUNTY:

Hazardous Material Permits

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041

This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 04/15/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/08/04
Date of Next Scheduled EDR Contact: 06/07/04

SAN DIEGO COUNTY:

Solid Waste Facilities

Source: Department of Health Services
Telephone: 619-338-2209
San Diego County Solid Waste Facilities.

Date of Government Version: 08/01/00
Database Release Frequency: Varies

Date of Last EDR Contact: 02/23/04
Date of Next Scheduled EDR Contact: 05/24/04

Hazardous Materials Management Division Database

Source: Hazardous Materials Management Division
Telephone: 619-338-2268

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 10/31/03
Database Release Frequency: Quarterly

Date of Last EDR Contact: 04/08/04
Date of Next Scheduled EDR Contact: 07/05/04

SAN FRANCISCO COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Local Oversight Facilities

Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920

Date of Government Version: 03/08/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/08/04
Date of Next Scheduled EDR Contact: 06/07/04

Underground Storage Tank Information

Source: Department of Public Health
Telephone: 415-252-3920

Date of Government Version: 03/08/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/08/04
Date of Next Scheduled EDR Contact: 06/07/04

SAN MATEO COUNTY:

Fuel Leak List

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921

Date of Government Version: 01/29/04
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 04/12/04
Date of Next Scheduled EDR Contact: 07/12/04

Business Inventory

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921

List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 04/07/04
Database Release Frequency: Annually

Date of Last EDR Contact: 03/02/04
Date of Next Scheduled EDR Contact: 07/12/04

SANTA CLARA COUNTY:

Fuel Leak Site Activity Report

Source: Santa Clara Valley Water District
Telephone: 408-265-2600

Date of Government Version: 12/31/03
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 03/30/04
Date of Next Scheduled EDR Contact: 06/28/04

Hazardous Material Facilities

Source: City of San Jose Fire Department
Telephone: 408-277-4659

Date of Government Version: 10/01/03
Database Release Frequency: Annually

Date of Last EDR Contact: 03/08/04
Date of Next Scheduled EDR Contact: 06/07/04

SOLANO COUNTY:

Leaking Underground Storage Tanks

Source: Solano County Department of Environmental Management
Telephone: 707-421-6770

Date of Government Version: 03/18/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/15/04
Date of Next Scheduled EDR Contact: 06/14/04

Underground Storage Tanks

Source: Solano County Department of Environmental Management
Telephone: 707-421-6770

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/18/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/15/04
Date of Next Scheduled EDR Contact: 06/14/04

SONOMA COUNTY:

Leaking Underground Storage Tank Sites

Source: Department of Health Services
Telephone: 707-565-6565

Date of Government Version: 04/26/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 04/26/04
Date of Next Scheduled EDR Contact: 07/26/04

SUTTER COUNTY:

Underground Storage Tanks

Source: Sutter County Department of Agriculture
Telephone: 530-822-7500

Date of Government Version: 01/29/04
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 04/05/04
Date of Next Scheduled EDR Contact: 07/05/04

VENTURA COUNTY:

Inventory of Illegal Abandoned and Inactive Sites

Source: Environmental Health Division
Telephone: 805-654-2813
Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 09/01/02
Database Release Frequency: Annually

Date of Last EDR Contact: 02/23/04
Date of Next Scheduled EDR Contact: 05/24/04

Listing of Underground Tank Cleanup Sites

Source: Environmental Health Division
Telephone: 805-654-2813
Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 02/26/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/16/04
Date of Next Scheduled EDR Contact: 06/14/04

Underground Tank Closed Sites List

Source: Environmental Health Division
Telephone: 805-654-2813
Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 12/01/03
Database Release Frequency: Quarterly

Date of Last EDR Contact: 04/15/04
Date of Next Scheduled EDR Contact: 07/12/04

Business Plan, Hazardous Waste Producers, and Operating Underground Tanks

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 02/26/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/16/04
Date of Next Scheduled EDR Contact: 06/14/04

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

YOLO COUNTY:

Underground Storage Tank Comprehensive Facility Report

Source: Yolo County Department of Health
Telephone: 530-666-8646

Date of Government Version: 01/27/04
Database Release Frequency: Annually

Date of Last EDR Contact: 04/19/04
Date of Next Scheduled EDR Contact: 07/19/04

California Regional Water Quality Control Board (RWQCB) LUST Records

LUST REG 1: Active Toxic Site Investigation

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-576-2220

Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/01
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 02/23/04
Date of Next Scheduled EDR Contact: 05/24/04

LUST REG 2: Fuel Leak List

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457

Date of Government Version: 03/31/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 04/12/04
Date of Next Scheduled EDR Contact: 07/12/04

LUST REG 3: Leaking Underground Storage Tank Database

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147

Date of Government Version: 05/19/03
Database Release Frequency: Varies

Date of Last EDR Contact: 02/16/04
Date of Next Scheduled EDR Contact: 05/17/04

LUST REG 4: Underground Storage Tank Leak List

Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600

Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/10/04
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 03/08/04
Date of Next Scheduled EDR Contact: 06/07/04

LUST REG 5: Leaking Underground Storage Tank Database

Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291

Date of Government Version: 04/01/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 04/08/04
Date of Next Scheduled EDR Contact: 07/05/04

LUST REG 6L: Leaking Underground Storage Tank Case Listing

Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 916-542-5424

For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/03
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 03/08/04
Date of Next Scheduled EDR Contact: 06/07/04

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LUST REG 6V: Leaking Underground Storage Tank Case Listing

Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-346-7491

Date of Government Version: 01/21/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 04/05/04
Date of Next Scheduled EDR Contact: 07/05/04

LUST REG 7: Leaking Underground Storage Tank Case Listing

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-346-7491

Date of Government Version: 02/26/04
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 02/26/04
Date of Next Scheduled EDR Contact: 06/28/04

LUST REG 8: Leaking Underground Storage Tanks

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4498

California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 01/12/04
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 05/12/04
Date of Next Scheduled EDR Contact: 08/09/04

LUST REG 9: Leaking Underground Storage Tank Report

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980

Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/01
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 04/19/04
Date of Next Scheduled EDR Contact: 07/19/04

California Regional Water Quality Control Board (RWQCB) SLIC Records

SLIC REG 1: Active Toxic Site Investigations

Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220

Date of Government Version: 04/03/03
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 02/23/04
Date of Next Scheduled EDR Contact: 05/24/04

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457

Any contaminated site that impacts groundwater or has the potential to impact groundwater.

Date of Government Version: 03/31/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 04/12/04
Date of Next Scheduled EDR Contact: 07/12/04

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147

Any contaminated site that impacts groundwater or has the potential to impact groundwater.

Date of Government Version: 09/16/03
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 02/16/04
Date of Next Scheduled EDR Contact: 05/17/04

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600

Any contaminated site that impacts groundwater or has the potential to impact groundwater.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/28/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 04/26/04
Date of Next Scheduled EDR Contact: 07/26/04

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-855-3075

Unregulated sites that impact groundwater or have the potential to impact groundwater.

Date of Government Version: 04/01/04
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 04/05/04
Date of Next Scheduled EDR Contact: 07/05/04

SLIC REG 6L: SLIC Sites

Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574

Date of Government Version: 03/09/04
Database Release Frequency: Varies

Date of Last EDR Contact: 03/08/04
Date of Next Scheduled EDR Contact: 06/07/04

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583

Date of Government Version: 04/01/04
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 04/05/04
Date of Next Scheduled EDR Contact: 07/05/04

SLIC REG 7: SLIC List

Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491

Date of Government Version: 02/27/04
Database Release Frequency: Varies

Date of Last EDR Contact: 02/23/04
Date of Next Scheduled EDR Contact: 05/24/04

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-3298

Date of Government Version: 04/01/03
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 04/08/04
Date of Next Scheduled EDR Contact: 07/05/04

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980

Date of Government Version: 04/29/04
Database Release Frequency: Annually

Date of Last EDR Contact: 04/29/04
Date of Next Scheduled EDR Contact: 05/31/04

EDR PROPRIETARY HISTORICAL DATABASES

Former Manufactured Gas (Coal Gas) Sites: The existence and location of Coal Gas sites is provided exclusively to EDR by Real Property Scan, Inc. ©Copyright 1993 Real Property Scan, Inc. For a technical description of the types of hazards which may be found at such sites, contact your EDR customer service representative.

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GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

BROWNFIELDS DATABASES

VCP: Voluntary Cleanup Program Properties

Source: Department of Toxic Substances Control

Telephone: 916-323-3400

Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 03/02/04

Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/03/04

Date of Next Scheduled EDR Contact: 05/31/04

US BROWNFIELDS: A Listing of Brownfields Sites

Source: Environmental Protection Agency

Telephone: 202-566-2777

Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become BCRLF cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: N/A

Database Release Frequency: Semi-Annually

Date of Last EDR Contact: N/A

Date of Next Scheduled EDR Contact: N/A

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data

Source: PennWell Corporation

Telephone: (800) 823-6277

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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities

Source: Department of Social Services

Telephone: 916-657-4041

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 from the U.S. Fish and Wildlife Service.

STREET AND ADDRESS INFORMATION

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APPENDIX G
RESUMES OF PROJECT PERSONNEL



TARA M. HOLMES

Education

B.S. - California State University, Los Angeles, 2003
Geology

Affiliations

National Ground Water Association
Women's Environmental Council

Professional Experience

Since joining SCS, Ms. Holmes's project experience has included:

- Phase I Environmental Assessments of property to assess the potential for contamination. These projects consist of evaluating current on-site operations, generation of historical property use information, identifying potentially contaminated sites in the surrounding areas, and review of files maintained by regulatory agencies.
- Coordination and implementation of Phase II site investigations involving soil and soil vapor sampling; precision mapping of sites; and evaluation of known and/or suspected contaminants.
- Oversight of deep soil mixing remediation project to mitigate the hazards associated with hydrocarbon and chlorinated solvent contamination in accordance with regulatory requirements.
- Installation and field monitoring of methane wells to assess the nature and extent of subsurface explosive gases for proposed development.
- Obtaining city and county non-production well permits.

Ms. Holmes has participated in a certified health and safety program in compliance with OSHA Standard 29 CFR 1910.120 and 8 CCR 5192. She is knowledgeable in incident response operations, team functions, personnel safety, and field equipment. She is able to recognize and evaluate potential chemical and physical hazards and associated risks in field operations; discuss and use personal protective equipment such as respiratory protection and protective clothing; use and interpret direct-reading instruments; and examine and establish Standard Operating Guidelines to ensure safe and effective response operations.

Prior to joining SCS, Ms. Holmes was Manager of Administrative Business and State Administrator for 39 offices that served as follow-up centers for the Genetic Disease Branch of the State of California with responsibilities that included coordination of client facilities, professional staff, and reporting and compliance with California regulations.

KEVIN W. GREEN, R.G., R.E.A.

Education

B.S. - California State University, Long Beach, 1978
Marine Biology

Professional Licenses

Registered Geologist - California, 1994 (No. 5906)
Registered Environmental Assessor - California, 1992 (No. REA-03945)

Affiliations

National Ground Water Association
Society of Economic Paleontologists and Mineralogists

Professional Experience

Mr. Green has a background in geology and paleontology. Since joining SCS in 1987, he has been involved in numerous projects related to the investigation and remediation of hazardous chemicals in soils and groundwater. Selected projects in which Mr. Green has participated include:

- Project Manager for hundreds of Phase I environmental assessments. These projects consist of evaluating current on-site operations, generation of historical property use information, identifying potentially contaminated sites in the surrounding areas, and review of files maintained by regulatory agencies.
- Project Manager for numerous investigations of hazardous waste sites to identify and characterize contaminants in soil and groundwater in accordance with regulatory requirements. Contaminants include a variety of hydrocarbon products, heavy metals, polychlorinated biphenyls (PCBs), and pesticides.
- Project Manager for numerous projects related to the assessment and remediation of contaminant plumes from leaking underground storage tanks. In accordance with the requirements of numerous regulatory agencies throughout southern California, Mr. Green has developed work plans and health and safety plans, coordinated and conducted field investigations, evaluated and implemented remedial alternatives, and prepared summary reports.
- Project Manager for numerous remediation projects involving the excavation, transport, and disposal or treatment of hydrocarbon, pesticide, and/or heavy metal contaminated soils.

KEVIN W. GREEN, R.G., R.E.A. (continued)

- Project Manager for numerous soil gas surveys utilized to assess the presence, nature, and extent of subsurface gases related to contaminated soils and/or landfills.
- Coordination and supervision regarding the installation of vapor extraction systems for the remediation of volatile contaminants in subsurface soils.
- Evaluation of environmental conditions at sanitary landfills. Mr. Green was Task Manager for the installation and sampling of groundwater monitoring wells at and adjacent to existing landfills to determine the presence of leachate. This work was done in strict accordance with state regulations and local ordinances.
- Expert testimony regarding the investigation of hazardous waste sites.
- Research support related to litigation and expert testimony.

Specific projects that Mr. Green has been involved with at SCS include:

- Project Manager for Well Investigation Program compliance under Regional Water Quality Control Board (RWQCB) oversight at a jet engine repair, maintenance and testing facility in the San Fernando Valley Superfund area.
- Project Manager for general environmental consulting services for the Community Redevelopment Agency of the City of Los Angeles. Projects conducted under the multi-year contract include numerous environmental assessments, asbestos, lead-based paint, soil, and groundwater investigations and remediation. Project sites include commercial, industrial, and residential properties up to 232 acres in size.
- Participation in the preparation of an Environmental Impact Report addressing environmental concerns associated with proposed remedial action for the Del Norte Superfund site in Crescent City, California.
- Project Manager for assessment and oversight activities related to closure of the PSAirmotive jet engine repair/testing facility in San Diego for client acquiring the facility. Tasks included a Phase I assessment; asbestos survey; soil gas and soils investigations of underground storage tanks, plating shop, and various chemical storage and use areas; evaluation of air and wastewater permits; evaluation of regulatory requirements for closure; and assistance to legal counsel in evaluating environmental liabilities.

Mr. Green has participated in a certified health and safety program in compliance with OSHA Standard 29 CFR 1910.120. He is knowledgeable in incident response operations, team functions, personnel safety, and field equipment. Mr. Green is able to recognize and evaluate potential chemical and physical hazards and associated risks in field operations; discuss and use

KEVIN W. GREEN, R.G., R.E.A. (continued)

personnel protective equipment such as respiratory protection and protective clothing; use and interpret direct-reading instruments; and examine and establish Standard Operating Safety Guidelines to ensure safe and effective response operations.

Mr. Green has been involved in numerous SCS projects related to hazardous waste characterization and management. He has experience in site assessment studies, underground tank investigations and their associated remediation programs, landfill studies, and geologic and hydrogeologic site characterization studies. His work experience includes all project phases from development of cost estimates for various site assessment and cleanup programs, to groundwater monitoring and sampling, to preparation of final reports and interfacing with regulatory agencies.

Publications

Marsh, J. R., K. W. Green, T. Dong. Phase I Assessments and Due Diligence: One and the Same? Environmental Engineering Forum, American Society of Civil Engineers, Environmental Engineering Division. Journal of Environmental Engineering. Vol. 120, No. 6, November/December 1994.

Green, K. W., and B. Garbaccio. Understanding and Interpreting a Site Investigation Report. California Redevelopment Journal. October 1994

Marsh, J. R., and K. W. Green. What Your Phase I Assessment Dollars Buy. California Redevelopment Association Journal. July 1994.

Marsh, J. R., K. W. Green, T. Dong. Standardizing Environmental Assessments: A Practical Perspective. Journal of Environmental Engineering. Vol. 122, No. 3. March 1996.

**PHASE II INVESTIGATION REPORT
LONG BEACH PUBLIC SERVICE YARD
1601 SAN FRANCISCO AVENUE
LONG BEACH, CALIFORNIA 90802**

Prepared for:

City Attorney of the City of Long Beach
c/o Overland, Pacific & Cutler, Inc.
100 West Broadway, Suite 500
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(562) 431-6789

Prepared by:

SCS Engineers
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August 2, 2005

File No. 01204007.02



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SCS ENGINEERS

November 8, 2005
Job No. 01204007.02

Mr. John Cutler
Overland, Pacific & Cutler, Inc.
100 West Broadway, Suite 500
Long Beach, CA 90802
(562) 431-6789

**SUBJECT: PHASE II INVESTIGATION, LONG BEACH PUBLIC SERVICE YARD,
1601 SAN FRANCISCO AVENUE, LONG BEACH, CALIFORNIA.**

Dear Mr. Cutler:

Enclosed with this letter are three copies (two bound and one unbound) of the above-mentioned report for the Property.

Should you have any questions or comments regarding this report, please feel free to contact me at (562) 426-9544.

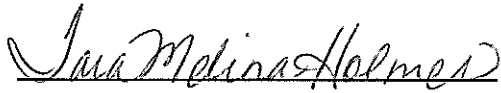
Sincerely,

Tara Melina Holmes

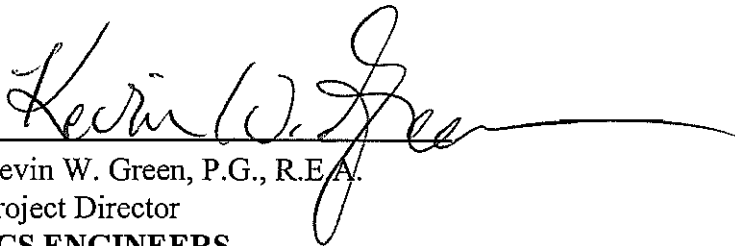
Tara M. Holmes
Staff Scientist
SCS ENGINEERS

Enclosures – Phase II Report

This Phase II Investigation Report for the Long Beach Public Service Yard, 1601 San Francisco Avenue, Long Beach, California, dated August 2, 2005, was prepared and reviewed by the following:



Tara Holmes
Staff Scientist



Kevin W. Green, P.G., R.E.A.
Project Director
SCS ENGINEERS



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- C – Boring Logs



LIMITATIONS/DISCLAIMER

This report has been prepared specifically for Overland, Pacific & Cutler, Inc., on behalf of the City Attorney of the City of Long Beach with application to a Phase II Investigation Report of the Long Beach Public Service Yard, 1601 San Francisco Avenue in Long Beach, California. This report has been prepared in accordance with the care and skill generally exercised by reputable professionals, under similar circumstances, in this or similar localities. No other warranty, expressed or implied, is made as to the professional opinions presented herein. Third parties use this report at their own risk. SCS assumes no responsibility for the accuracy of information obtained from, compiled or provided by outside sources.

This assessment focused on potential sources of hazardous substances and petroleum hydrocarbons that could be considered a potential liability due to their presence in significant concentrations (e.g., above acceptable limits set by federal or state agencies) or due to the potential for contaminant migration through exposure pathways (e.g., ground water). Hazardous substances naturally occurring in plants, soils, and rock (e.g., radon, or naturally-occurring asbestos) are not typically considered in these investigations.

Changes in site use and conditions may occur due to variations in rainfall, temperature, water usage, economic, or other factors. It is possible that additional information exists beyond the scope of this investigation. Additional information, which was not available to the consultant at the time of this investigation, or changes that may occur on the site or in the surrounding area may result in modification to the site that would impact the summary and recommendations presented herein. This report is not a legal opinion.



EXECUTIVE SUMMARY

SCS was retained by Overland, Pacific & Cutler, Inc. on behalf of the City Attorney of the City of Long Beach to conduct a Phase II Investigation for the Long Beach Public Service Yard at 1601 San Francisco Avenue in Long Beach, California (the "Property"). The purpose of this investigation was to assess the potential for contamination on the Property from the environmental concerns identified in the Phase I Environmental Assessment report dated February 22, 2005, completed by SCS Engineers (SCS). It is SCS's understanding that portions of the Property may be considered for non-residential (i.e., industrial) redevelopment.

The findings and conclusion of this report are presented in two approaches, 1) based on the chemicals of potential concern and 2) based on previously identified recognized environmental conditions.

Chemicals of Potential Concern

Hydrocarbons – With the exception of the former kerosene UST area, no obvious signs of hydrocarbon-impacted soil were noted during the field investigation. Excluding the kerosene UST area, 15 soil samples were analyzed from representative areas of the Property. As shown in Table 2, none of these samples contained concentrations of petroleum hydrocarbons above the Los Angeles Regional Water Quality Control Board's (RWQCB) Soil Screening Levels (SSLs).

Kerosene-related hydrocarbons (TPH-g and TPH-d) were detected in the three 10-foot soil samples collected from the borings B24 through B26. TPH and VOC impacts in the area of the former kerosene UST are discussed in the section on recognized environmental conditions below.

VOCs – Thirty soil vapor samples and 13 bulk soil samples were collected and analyzed from areas of potential environmental concern identified on the Property. With the exception of samples from the former 500-gallon kerosene UST area, only trace concentrations of 1,1,1 TCA, PCE, and/or dibromochloromethane were detected in soil vapor or bulk soil samples. Based on our experience with similar sites, concentrations of VOCs in this range are generally not of concern to regulatory agencies, and are not considered a recognized environmental condition for the Property.

Petroleum-related VOCs were detected in the three 10-foot soil samples collected from borings B24 through B26. TPH and VOC impacts in the area of the former kerosene UST are discussed in the section on recognized environmental conditions below.

Metals – Eighteen samples were analyzed from representative areas of the Property as shown in Table 3. The analytical results from these samples can be compared with:

- Health risk based standards: that is, the PRGs



- California waste disposal standards: the Total Threshold Limit Concentrations (TTLCs) and Soluble Threshold Limit Concentrations (STLCs) as defined in Title 22 of the California Code of Regulations
- Federal waste disposal standards: the Toxicity Characteristic Leaching Procedure (TCLP) as identified in the Code of Federal Regulations

Health Risk Standards – Using these criteria, and as shown in Table 3, lead exceeds the industrial PRG for soils in the following areas:

- B5-5' – Car wash area
- B12-1' – Parking lot/suspected fill area
- B14-5' and B14-10' – Parking lot/suspected fill area

And arsenic exceeds the industrial PRG in the following area:

- B5-5' – Car wash area

Soils from these areas should be considered a potential health risk if disturbed in the future.

Waste Disposal Criteria – With regarding to waste disposal criteria, there are three samples (from B5 and B14) shown in Table 3 with concentrations of lead above the TTLC of 1,000 mg/kg. Soils with concentrations detected in these samples would be considered hazardous for the purposes of disposal under California regulations if removal is considered in the future.

Total metals concentrations, which exceed ten times their respective STLC values, may, upon laboratory analysis for the soluble fraction, be found to exceed the STLC and therefore the soils may be considered hazardous for the purposes of disposal under California regulations. Based on sample results for B2-1', B5-5', B9-1', B10-1', B12-1', B14-5', B14-10', and B19-1' soils in these areas may (upon further laboratory analysis) contain one or more metals at concentrations that would classify them as hazardous for the purposes of disposal under California regulations.

Further, metals concentrations, which exceed twenty times their respective TCLP values, may, upon laboratory analysis for the soluble fraction, be found to exceed the TCLP and therefore be considered hazardous for the purposes of disposal under Federal regulations. Based on samples B2-1' and B5-5' soils in these areas may (upon further laboratory analysis) contain one or more metals at concentrations that would classify these soils as hazardous for the purposes of disposal under Federal regulations.

If soils are excavated from these areas, they should be tested in order to determine appropriate disposal options/requirements.



Organochlorine Pesticides – No organochlorine pesticides were detected in the samples analyzed. Based on these results, no impact to the Property is anticipated from organochlorine pesticides.

Recognized Environmental Conditions

As previously discussed, the Phase I Environmental Assessment identified the following recognized environmental conditions for the Property:

Fill Material – Debris from the 1933 earthquake may have been placed on the western portion of the Property. This material may contain asbestos, lead-based paint, or other substances of potential environmental concern. Known and suspected fill materials were encountered, especially in the elevated areas of the Property as shown in Figures 2A and 2B. Borings in the fill areas encountered red brick; no signs of other types of building debris or materials, which may contain asbestos, were noted.

As discussed above, there were no indications in the laboratory results from soil samples of elevated concentrations of VOCs, hydrocarbons, or organochlorine pesticides in fill areas. However, as previously discussed, lead and arsenic were detected in fill soils at concentrations that may be a potential risk to human health, or require special consideration (i.e., additional testing and characterization) prior to removal and/or disposal.

Former 500-gallon Kerosene UST – This UST was removed in July 1988 from the northeastern corner of the Property. One under-tank soil sample collected at that time contained 16,000 parts per million of hydrocarbons. Although no evidence of remediation was available, this UST received a “no further action” letter on March 25, 1999 from the City of Long Beach Environmental Health Underground Tank Program.

During the present investigation, kerosene-related hydrocarbons were detected in soils from the 10-foot depth in this area. The Los Angeles Regional Water Quality Control Board (RWQCB) has established cleanup guidelines, also known as soil screening levels (SSLs), for hydrocarbon-impacted soils based on the potential for groundwater contamination. Where groundwater is anticipated at less than 20 feet bgs (groundwater is at about 10 feet bgs at the Property), the SSLs are 100 mg/kg for hydrocarbons in the gasoline or C₄-C₁₂ range, 100 mg/kg for hydrocarbons in the diesel or C₁₃-C₂₂ range, and 1,000 mg/kg for hydrocarbons in the heavy or C₂₃-C₃₂ range. The concentrations of TPH-g (760 to 4,000 mg/kg) and TPH-d (465 to 2,570 mg/kg) in the 10-foot samples from borings B24 through B26 are above the RWQCB’s SSLs.

The VOCs detected in these same samples (n-propylbenzene, sec-butylbenzene, naphthalene, etc.) are consistent with a release of kerosene in this area. In addition, naphthalene was detected in one sample (B26-10’ at 15,000 mg/kg) at a concentration above its industrial PRG of 4,200 mg/kg.

A groundwater sample collected from boring B25, which appeared to be located in a “worst-case” area near the former UST, did not contain detectable concentrations of VOCs. Traces of TPH-g and TPH-d were detected in the groundwater samples collected from this boring. There are no regulatory limits with respect to various fractions of hydrocarbons in groundwater. Based on our experience with similar sites, the traces of TPH-g and TPH-d detected in groundwater would not warrant remediation by regulatory agencies.

The former kerosene UST has received a “no further action” letter from the City of Long Beach. Although some soil samples were found contain petroleum hydrocarbons above generally applicable regulatory standards, the data from this investigation indicates that there has been no significant impact to groundwater, and there is no significant threat of an impact to groundwater. However, any future redevelopment in this area may encounter hydrocarbon-impacted soils. As a part of the redevelopment, it may be prudent to remove the impacted soil when access is available.

Historic Operations – Releases of waste oils, various pesticides, chemicals, paint and solvents, may have resulted from historical operations on the Property, where chemicals were used and stored. As discussed in this report, impacted soils were identified in the areas of the former kerosene UST, fill soils, streetlight crushing area, and car wash clarifier. None of the other areas – including the various chemical storage areas, paint shop, chemical lab, and machine shop – appear to have resulted in any significant environmental impact to the Property.

Streetlight Bulb Crushing/Disposal Areas – A streetlight bulb crushing/disposal operations were conducted in two areas of the Property. Soil testing for metals in the one-foot samples from B2, B3, and B13 was conducted to assess the potential for contamination from these operations. Metals concentrations in B3 and B13 appeared to be typical of California soils.

The analytical results for boring B2 show concentrations of barium, zinc and lead above typical background levels; additional investigation of the area of this boring may be warranted prior to excavation and/or removal of soil.

Current Gasoline and Diesel USTs – Soil gas samples (SG6 through SG9) collected and analyzed from around the current gasoline and diesel USTs did not detect any concentrations of fuel-related constituents. Based on these results, there is no evidence of significant impact to the Property from these current USTs. Further investigation is not recommended at this time.

Clarifiers – Soil gas and bulk soil samples were collected in the areas of the paint disposal and car wash clarifiers. VOCs were not detected in soil (B4-10’) and soil gas samples (SG3) collected and analyzed from the area of the paint clarifier. Based on these results, no significant environmental impact to the Property is anticipated from the Paint Clarifier.

Soil gas samples (SG4 through SG6) in the area of the car wash clarifier did not contain detectable concentrations of VOCs. A soil sample from five feet bgs in boring B5 did not contain detectable concentrations of TPH. However, sample B5-5’ contained elevated



concentrations of metals, including arsenic, chromium, copper, lead, nickel and zinc. The car wash area, including the clarifier, appears to have been renovated in the last several years. The source of the metals in soil is unknown; they may be related to historic operations in this area, or to fill soils (the area is topographically elevated with respect to the area to the east).

Additional investigation and remediation for metals is recommended prior to any redevelopment of this area of the Property.

Groundwater Monitoring Wells – Three groundwater monitoring wells reportedly installed on or adjacent to the Property could not be located, and are presumed to have been appropriately destroyed. No further investigation with respect to these wells is recommended.



**PHASE II INVESTIGATION REPORT
LONG BEACH PUBLIC SERVICE YARD
1601 SAN FRANCISCO AVENUE
LONG BEACH, CALIFORNIA 90802**

INTRODUCTION

SCS Engineers (SCS) was retained by Overland, Pacific and Cutler, Inc. (OPC) on behalf of the City Attorney of the City of Long Beach to conduct a Phase II investigation of the Long Beach Public Service Yard site located at 1601 San Francisco Avenue in Long Beach, California (the "Property"). A map showing the location of the Property is provided as Figure 1 of Appendix A.

The purpose of this investigation was to assess the potential for contamination to exist on the Property based on the environmental concerns identified in the Phase I Environmental Assessment report dated February 22, 2005, completed by SCS. It is our understanding that portions of the Property may be considered for non-residential (i.e., industrial) redevelopment.

Background

The SCS Phase I Environmental Assessment identified the following recognized environmental conditions (RECs) for the Property:

- City personnel indicated that fill material was placed on the western raised portions of the Property; the exact date of deposition and the source of this material is unknown, but reportedly may include debris from the 1933 earthquake. Building debris from 1933 may contain asbestos, lead-based paint, or other substances of potential environmental concern.
- A 500-gallon kerosene underground storage tank (UST) was removed in July 1988 near the southwest corner of San Francisco Avenue and Esther Street. One undertank soil sample contained 16,000 parts per million of hydrocarbons. Although no evidence of remediation was available, this UST received a "no further action" letter on March 25, 1999 from the City of Long Beach Environmental Health Underground Tank Program
- Releases of waste oils, various pesticides, chemicals, paint and solvents, may have resulted from historical operations on the Property, where chemicals were used and stored. The locations and nature of these operations, including a paint shop, a chemical laboratory, a machine shop, etc., appear to be transitory, and it is possible that spills and leaks have occurred in various locations over the 70 plus years that the Public Service Yard has been in operation.
- A streetlight bulb crushing/disposal operation, wherein water was used to suppress dust generated during the crushing of lights within a dumpster, was conducted on the Property.

- Current gasoline and diesel USTs are located on the Property.
- Paint disposal and car wash clarifiers are located on the Property.
- Permits for two groundwater monitoring wells for Los Angeles County, and one well for Long Beach Public Works, were identified for the Property or immediate surrounding area in 1994 and 1995. The status of these wells is unknown.

It should be noted that the Phase I Assessment identified an open leaking UST case for the Property. This case is associated with a former 550-gallon gasoline UST, reportedly located at the City Tow Yard at 901 West Anaheim Street. This UST was removed in 1995 from a location in the 14th Street right-of-way, immediately north of the City Tow Yard at 901 Anaheim Street. Soil and groundwater impacts were confirmed in investigations of the area. The Los Angeles Regional Water Quality Control Board is the lead regulatory agency for this project. SCS conducted a separate investigation of this area. The results of the UST soil and groundwater investigation will be submitted in a separate report.

GEOLOGY AND HYDROGEOLOGY

Physiographic Setting

According to the U.S. Geological Survey (USGS), Long Beach (1964, photorevised 1981), California 7.5 minute topographic map, the Property is located immediately east of the Los Angeles River at an elevation of approximately five feet above mean sea level and about 1.3 miles north of San Pedro Bay. Regional topography is relatively flat with a gentle slope to the west.

Geology and Soils

Geologic maps indicate that surface sediments in the area are Quaternary alluvium and coastal deposits of silt, sand, and gravel that are underlain by the late Pleistocene Lakewood Formation. The Lakewood Formation, which consists of gravel, sand, sandy silt, silt and clay with shale pebbles, extends to a depth of approximately 100 feet (California DWR, Bulletin No.104). Sediments below the Lakewood Formation belong to the late Pleistocene San Pedro Formation.

Groundwater

The Property is located in the southern portion of the West Coast Groundwater Basin. The first groundwater aquifer in the region is within the Gage Aquifer within the Lakewood Formation. First groundwater in the vicinity of the Property is approximately 10 feet below grade (DWR, June 1961). There are no known regional groundwater contamination problems in this area. However, shallow groundwater has locally been impacted by saltwater intrusion; therefore, it is not used as a drinking water source. Groundwater flow direction is anticipated to be generally

westerly towards the Los Angeles River/Flood Control Channel adjacent to the Property. Groundwater beneath the Property is likely tidally influenced in this area.

SITE INVESTIGATION

The scope of work for the investigation included the collection and analysis of 30 soil vapor samples to assess the presence of volatile organic compounds (VOCs). In addition, 26 exploratory borings were drilled to depths ranging from one to ten feet below ground surface (bgs). Soil samples were collected and selectively analyzed for total petroleum hydrocarbons, heavy metals, organochlorine pesticides, and VOCs. One groundwater sample was collected from the area of the former 500-gallon kerosene UST, in the northeastern corner of the Property, at a depth of approximately 12 feet bgs and analyzed for fuel-related constituents. Access to the Property was provided by Mr. Greg Berg (562/570-2719) of the City of Long Beach.

Prior to drilling, a geophysical survey was conducted by Goldak of Glendale, California, to screen the areas of concern for underground utilities and clear the 56 proposed boring locations. On June 13, 2005, Goldak screened the potential boring locations using equipment capable of detecting metallic objects, magnetic anomalies, and electric power cables. The groundwater monitoring wells reportedly installed on or adjacent to the Property could not be located, and are presumed to have been appropriately destroyed.

During the geophysical survey, site personnel noted that street light crushing operations were not conducted near the northeastern corner of the Property as identified in the Phase I Assessment. Two alternative street light crushing locations were identified: 1) an area in the 14th Street right-of-way adjacent to San Francisco Avenue (borings B2 and B3), and 2) near a dumpster in the central portion of the Property (boring B13).

Soil, soil vapor, and groundwater sampling activities were conducted on June 20 and 21, 2005, using protocols described in the following narrative.

Soil Vapor Collection

H&P Mobile Geochemistry (H&P) of Solana Beach, California, conducted soil vapor sampling activities on June 20 and 21, 2005. Soil vapor samples were collected at depths of 5 feet bgs in 30 locations. Samples were designated SG-1 through SG-30. A map of the Property showing the area of investigation and sampling locations is provided as Figures 2A and 2B. The soil vapor samples were collected, using a direct-push drill rig or hand-operated equipment, from areas of concern identified in the Phase I Assessment, and as modified in the field based on accessibility and on information provided by site personnel. A state-certified, on-site mobile laboratory provided by H&P was used to analyze soil vapor samples for VOCs in the field.

Soil and Groundwater Sample Collection

H&P also used a direct-push Strataprobe rig to collect soil samples and one groundwater sample from 26 borings on June 20 and 21, 2005. Soil borings, designated B-1 through B-26 as shown

in Figure 2, were drilled in areas of environmental concern based on current and historical uses of the Property (previously discussed). In addition, one groundwater sample was collected from boring B-25 in the area of the former 500-gallon kerosene UST.

Soil samples were collected at 1-, 5-, and/or 10-foot depths from each boring. Samples were selected for laboratory analysis based on indications of contamination such as odors or discoloration, and to provide analytical results representative of the areas of concern. Sediments encountered during drilling generally consisted of gray, green or brown silt and sand. Groundwater was encountered at approximately 10 feet bgs in several borings. The only obvious signs of hydrocarbon contamination (odors and discolored soils) were encountered in the 10-foot samples from borings (B24 through B26) drilled in the area of the former 500-gallon kerosene UST in the northeastern corner of the Property. Signs of fill soils (generally dark gray or black well-graded sand/silt mixes, sometimes with fragments of red brick) were often encountered in the raised areas of the Property. Boring logs are provided in Appendix C.

Twenty-one samples were analyzed for total petroleum hydrocarbons (TPH) carbon-chain analysis using EPA Method 8015 modified. Twelve samples were analyzed for VOCs using EPA Method 8260B, four samples were analyzed for organochlorine pesticides using EPA Method 8081A, and 18 samples were analyzed for 17 heavy metals (California Title 22 metals). The samples were submitted to a state-certified laboratory for analysis.

Materials and Methods

Soil Vapor Sampling

Soil vapor equipment consisted of hollow steel probes, which were driven into subsurface soils to the desired depth of five feet bgs using either the Strataprobe direct-push drill rig or a Roto-hammer operated by hand. Soil vapor samples were recovered by slightly retracting the probe and exposing sampling ports on the drive point. Vapor samples were extracted with a syringe via a Nylaflow tube attached to the drive tip. Prior to sampling, the tubing was purged to remove ambient air from the sampling system and to ensure that the collected vapor sample represented conditions in the soil. Clean Nylaflow tubing was utilized for each sample. Duplicate samples, calibration standards, and sample blanks were used to provide Quality Assurance/Quality Control (QA/QC) data. Immediately following sample collection, the samples were analyzed for VOCs by the state-certified, on-site mobile laboratory provided by H&P.

Soil Sampling

Bulk soil samples were obtained using a Strataprobe equipped with a hydraulic hammer and a two foot long, 2-inch diameter split-spoon sampler. A pointed steel tip was fixed to the head of the split-spoon sampler and driven to the desired depth on a steel rod. Samples were collected by retracting the drive tip through the center of the sample with an inner rod, and hydraulically hammering the sampler an additional two feet.

Soil samples from each boring were recovered in two-foot long, pre-cleaned plastic acetate sleeves. An approximately 6- to 12-inch section was cut from the sample sleeve and retained for laboratory analysis. Immediately following soil sample collection, both ends of each acetate sample sleeve were covered with Teflon squares, capped with plastic end caps, and sealed with solvent-free polyethylene tape. A solvent-free label noting the date of collection, sample number, and project number was affixed to each sample. Immediately following labeling, samples were placed in a chilled cooler for later transport to Advanced Technology Laboratories (ATL) of Signal Hill, California for analysis. Soil samples were tracked from point of collection through the laboratory using standard chain-of-custody protocols.

Soil samples designated for analysis of VOCs were prepared in the field using EPA Method 5035, which includes the collection of three 5-gram aliquots of soil from each soil sample using a plunger/sub-sampler provided by the laboratory. The three aliquots of soil were immediately placed in 40 milliliter VOA (volatile organic analysis) vials as follows: two aliquots in VOAs with a sodium bisulfate preservative, and one in a methanol preservative.

Groundwater Sampling

One groundwater sample was collected from boring B-25 at a depth of approximately 12 feet bgs. A temporary 1-inch diameter PVC well casing was installed in the open borehole. A pre-cleaned steel bailer was used to collect samples for VOC analysis. To minimize the potential loss of VOCs, groundwater samples for VOC and TPH-g analyses were slowly and carefully poured from the bailer into 40-milliliter glass VOA vials with hydrochloric acid preservative. The VOAs were quickly capped and checked to ensure that no air bubbles were present.

Backfill of Borings – The soil vapor, soil and groundwater sample locations were all backfilled with granular bentonite, hydrated, and the surface completed with asphalt or concrete to match the surrounding surface.

ANALYTICAL RESULTS

Soil Vapor Results

Thirty soil vapor samples were analyzed for VOCs. The soil vapor laboratory report from H&P is provided as Appendix A.

As shown in Table 1, only four of the 30 vapor samples contained detectable concentrations of VOCs. Sample SG-12 contained 1,1,1-trichloroethane (1,1,1 TCA) at a concentration of 2.6 micrograms per liter ($\mu\text{g/L}$), and three soil vapor samples (SG-22, SG-23, and SG-24) contained concentrations of tetrachloroethene (PCE) ranging from 1.7 to 5.9 $\mu\text{g/L}$.

Bulk Soil Results

ATL laboratory reports for soil samples are provided in Appendix B. Samples were analyzed by ATL for TPH, VOCs, organochlorine pesticides, and Title 22 metals. A summary of the analytical results is provided below and in Tables 2 and 3.

Hydrocarbons – Twenty-two soils samples were analyzed for TPH with hydrocarbon chain breakdown. A summary of the analytical results is provided in Table 2. Petroleum hydrocarbons were not detected in 16 of the 22 samples.

Low concentrations of diesel (TPH-d [C₁₃-C₂₂], up to 12 milligrams/kilogram (mg/kg), and heavy-range hydrocarbons (TPH-h [C₂₃-C₄₀]), up to 180 mg/kg, were detected in three samples: B9-1' (boring B9 at 1-foot), B12-5', and B19-1'.

Higher concentrations of TPH were detected in the 10-foot samples from borings B24, B25, and B26, which were drilled in the area of the former kerosene UST. Sample B25-10' had concentrations of gasoline range hydrocarbons (TPH-g, C₄-C₁₂) and TPH-d of 760 and 465 mg/kg, respectively. Sample B24-10' had TPH-g and TPH-d concentrations of 3,090 and 2,140 mg/kg, respectively. Sample B26-10' had TPH-g and TPH-d concentrations of 4,000 and 2,570 mg/kg, respectively. Samples B24-10' and B25-10' also contained TPH-h of 58 and 13, respectively.

VOCs – Thirteen soil samples were analyzed for VOCs. A summary of the analytical results for VOCs is provided in Table 2. VOCs were not detected in nine of the 13 samples analyzed. Two VOCs were detected in sample B8-5', specifically 1,1,1-TCA at 4.9 micrograms per kilogram (µg/kg), and dibromochloromethane at 4.3 µg/kg.

VOCs were also detected in the 10-foot samples from borings B24, B25, and B26, drilled in the area of the former kerosene UST. Two VOCs were detected in sample B24-10', n-propylbenzene at 310 µg/kg and sec-butylbenzene at 1,000 µg/kg. Four VOCs, n-propylbenzene, sec-butylbenzene, isopropylbenzene, and naphthalene, were detected in sample B25-10' at concentrations of 1,300, 1,300, 520, and 2,500 µg/kg, respectively, and in sample B26-10' at concentrations of 17,000, 12,000, 8,200, and 15,000 µg/kg, respectively. Sample B26-10' also contained tert-butylbenzene at a concentration of 630 µg/kg.

Metals – Eighteen soil samples were analyzed for Title 22 heavy metals. Table 3 provides a summary of the analytical results for metals, typical background levels in California soils, and various regulatory limits that may be applicable. As shown in Table 3, most of the samples have metals concentrations within the typical range for California soils.

However, samples with concentrations of lead (990 to 2,400 mg/kg) above generally accepted guidance levels (the US EPA Preliminary Remediation Goal [PRG] for industrial soils) were collected from the following areas:

- B5-5' – From the car wash area



- B12-1' – From the parking lot/suspected fill area
- B14-5' and B14-10' – From the parking lot/suspected fill area

With the exception of sample B5-5', these samples also contained other metals (barium, cadmium, copper, chromium, nickel and/or zinc) at concentrations above typical background levels but below industrial PRGs. Sample B5-5' contained arsenic at 110 mg/kg, which is above generally accepted cleanup concentrations of 8 to 12 mg/kg.

Organochlorine Pesticides – The one and five-foot samples from borings B15 and B16 – drilled in the area of the pesticide storage shed – were analyzed for organochlorine pesticides using EPA Method 8081A. No organochlorine pesticides were detected in these samples.

Groundwater Results

Sample B25-GW was analyzed for TPH-g and TPH-d using EPA Method 8015 modified, and for VOCs using EPA Method 8260B. As shown at the bottom of Table 2, this sample did not contain detectable concentrations of VOCs. Gasoline and diesel range TPH were detected in this sample at 2.34 and 2.59 mg/L (milligrams per liter, equivalent to parts per million), respectively.

CONCLUSIONS AND RECOMMENDATIONS

The findings and conclusion of this report are presented in two approaches, 1) based on the chemicals of potential concern and 2) based on previously identified recognized environmental conditions.

Chemicals of Potential Concern

Hydrocarbons – With the exception of the former kerosene UST area, no obvious signs of hydrocarbon-impacted soil were noted during the field investigation. Excluding the kerosene UST area, 15 soil samples were analyzed from representative areas of the Property. As shown in Table 2, none of these samples contained concentrations of petroleum hydrocarbons above the Los Angeles Regional Water Quality Control Board's (RWQCB) Soil Screening Levels (SSLs).

Kerosene-related hydrocarbons (TPH-g and TPH-d) were detected in the three 10-foot soil samples collected from the borings B24 through B26. TPH and VOC impacts in the area of the former kerosene UST are discussed in the section on recognized environmental conditions below.

VOCs – Thirty soil vapor samples and 13 bulk soil samples were collected and analyzed from areas of potential environmental concern identified on the Property. With the exception of samples from the former 500-gallon kerosene UST area, only trace concentrations of 1,1,1 TCA, PCE, and/or dibromochloromethane were detected in soil vapor or bulk soil samples. Based on our experience with similar sites, concentrations of VOCs in this range are generally not of concern to regulatory agencies, and are not considered a recognized environmental condition for the Property.

Petroleum-related VOCs were detected in the three 10-foot soil samples collected from borings B24 through B26. TPH and VOC impacts in the area of the former kerosene UST are discussed in the section on recognized environmental conditions below.

Metals – Eighteen samples were analyzed from representative areas of the Property as shown in Table 3. The analytical results from these samples can be compared with:

- Health risk based standards: that is, the PRGs
- California waste disposal standards: the Total Threshold Limit Concentrations (TTLCs) and Soluble Threshold Limit Concentrations (STLCs) as defined in Title 22 of the California Code of Regulations
- Federal waste disposal standards: the Toxicity Characteristic Leaching Procedure (TCLP) as identified in the Code of Federal Regulations

Health Risk Standards – Using these criteria, and as shown in Table 3, lead exceeds the industrial PRG for soils in the following areas:

- B5-5' – Car wash area
- B12-1' – Parking lot/suspected fill area
- B14-5' and B14-10' – Parking lot/suspected fill area

And arsenic exceeds the industrial PRG in the following area:

- B5-5' – Car wash area

Soils from these areas should be considered a potential health risk if disturbed in the future.

Waste Disposal Criteria – With regarding to waste disposal criteria, there are three samples (from B5 and B14) shown in Table 3 with concentrations of lead above the TTLC of 1,000 mg/kg. Soils with concentrations detected in these samples would be considered hazardous for the purposes of disposal under California regulations if removal is considered in the future.

Total metals concentrations, which exceed ten times their respective STLC values, may, upon laboratory analysis for the soluble fraction, be found to exceed the STLC and therefore the soils may be considered hazardous for the purposes of disposal under California regulations. Based on sample results for B2-1', B5-5', B9-1', B10-1', B12-1', B14-5', B14-10', and B19-1' soils in these areas may (upon further laboratory analysis) contain one or more metals at concentrations that would classify them as hazardous for the purposes of disposal under California regulations.

Further, metals concentrations, which exceed twenty times their respective TCLP values, may, upon laboratory analysis for the soluble fraction, be found to exceed the TCLP and therefore be

considered hazardous for the purposes of disposal under Federal regulations. Based on samples B2-1' and B5-5' soils in these areas may (upon further laboratory analysis) contain one or more metals at concentrations that would classify these soils as hazardous for the purposes of disposal under Federal regulations.

If soils are excavated from these areas, they should be tested in order to determine appropriate disposal options/requirements.

Organochlorine Pesticides – No organochlorine pesticides were detected in the samples analyzed. Based on these results, no impact to the Property is anticipated from organochlorine pesticides.

Recognized Environmental Conditions

As previously discussed, the Phase I Environmental Assessment identified the following recognized environmental conditions for the Property:

Fill Material – Debris from the 1933 earthquake may have been placed on the western portion of the Property. This material may contain asbestos, lead-based paint, or other substances of potential environmental concern. Known and suspected fill materials were encountered, especially in the elevated areas of the Property as shown in Figures 2A and 2B. Borings in the fill areas encountered red brick; no signs of other types of building debris or materials, which may contain asbestos, were noted.

As discussed above, there were no indications in the laboratory results from soil samples of elevated concentrations of VOCs, hydrocarbons, or organochlorine pesticides in fill areas. However, as previously discussed, lead and arsenic were detected in fill soils at concentrations that may be a potential risk to human health, or require special consideration (i.e., additional testing and characterization) prior to removal and/or disposal.

Former 500-gallon Kerosene UST – This UST was removed in July 1988 from the northeastern corner of the Property. One under-tank soil sample collected at that time contained 16,000 parts per million of hydrocarbons. Although no evidence of remediation was available, this UST received a “no further action” letter on March 25, 1999 from the City of Long Beach Environmental Health Underground Tank Program.

During the present investigation, kerosene-related hydrocarbons were detected in soils from the 10-foot depth in this area. The Los Angeles Regional Water Quality Control Board (RWQCB) has established cleanup guidelines, also known as soil screening levels (SSLs), for hydrocarbon-impacted soils based on the potential for groundwater contamination. Where groundwater is anticipated at less than 20 feet bgs (groundwater is at about 10 feet bgs at the Property), the SSLs are 100 mg/kg for hydrocarbons in the gasoline or C₄-C₁₂ range, 100 mg/kg for hydrocarbons in the diesel or C₁₃-C₂₂ range, and 1,000 mg/kg for hydrocarbons in the heavy or C₂₃-C₃₂ range. The concentrations of TPH-g (760 to 4,000 mg/kg) and TPH-d (465 to 2,570 mg/kg) in the 10-foot samples from borings B24 through B26 are above the RWQCB's SSLs.

The VOCs detected in these same samples (n-propylbenzene, sec-butylbenzene, naphthalene, etc.) are consistent with a release of kerosene in this area. In addition, naphthalene was detected in one sample (B26-10' at 15,000 mg/kg) at a concentration above its industrial PRG of 4,200 mg/kg.

A groundwater sample collected from boring B25, which appeared to be located in a “worst-case” area near the former UST, did not contain detectable concentrations of VOCs. Traces of TPH-g and TPH-d were detected in the groundwater samples collected from this boring. There are no regulatory limits with respect to various fractions of hydrocarbons in groundwater. Based on our experience with similar sites, the traces of TPH-g and TPH-d detected in groundwater would not warrant remediation by regulatory agencies.

The former kerosene UST has received a “no further action” letter from the City of Long Beach. Although some soil samples were found contain petroleum hydrocarbons above generally applicable regulatory standards, the data from this investigation indicates that there has been no significant impact to groundwater, and there is no significant threat of an impact to groundwater. However, any future redevelopment in this area may encounter hydrocarbon-impacted soils. As a part of the redevelopment, it may be prudent to remove the impacted soil when access is available.

Historic Operations – Releases of waste oils, various pesticides, chemicals, paint and solvents, may have resulted from historical operations on the Property, where chemicals were used and stored. As discussed in this report, impacted soils were identified in the areas of the former kerosene UST, fill soils, streetlight crushing area, and car wash clarifier. None of the other areas – including the various chemical storage areas, paint shop, chemical lab, and machine shop – appear to have resulted in any significant environmental impact to the Property.

Streetlight Bulb Crushing/Disposal Areas – A streetlight bulb crushing/disposal operations were conducted in two areas of the Property. Soil testing for metals in the one-foot samples from B2, B3, and B13 was conducted to assess the potential for contamination from these operations. Metals concentrations in B3 and B13 appeared to be typical of California soils.

The analytical results for boring B2 show concentrations of barium, zinc and lead above typical background levels; additional investigation of the area of this boring may be warranted prior to excavation and/or removal of soil.

Current Gasoline and Diesel USTs – Soil gas samples (SG6 through SG9) collected and analyzed from around the current gasoline and diesel USTs did not detect any concentrations of fuel-related constituents. Based on these results, there is no evidence of significant impact to the Property from these current USTs. Further investigation is not recommended at this time.

Clarifiers – Soil gas and bulk soil samples were collected in the areas of the paint disposal and car wash clarifiers. VOCs were not detected in soil (B4-10') and soil gas samples (SG3)



collected and analyzed from the area of the paint clarifier. Based on these results, no significant environmental impact to the Property is anticipated from the Paint Clarifier.

Soil gas samples (SG4 through SG6) in the area of the car wash clarifier did not contain detectable concentrations of VOCs. A soil sample from five feet bgs in boring B5 did not contain detectable concentrations of TPH. However, sample B5-5' contained elevated concentrations of metals, including arsenic, chromium, copper, lead, nickel and zinc. The car wash area, including the clarifier, appears to have been renovated in the last several years. The source of the metals in soil is unknown; they may be related to historic operations in this area, or to fill soils (the area is topographically elevated with respect to the area to the east).

Additional investigation and remediation for metals is recommended prior to any redevelopment of this area of the Property.

Groundwater Monitoring Wells – Three groundwater monitoring wells reportedly installed on or adjacent to the Property could not be located, and are presumed to have been appropriately destroyed. No further investigation with respect to these wells is recommended.



FIGURES



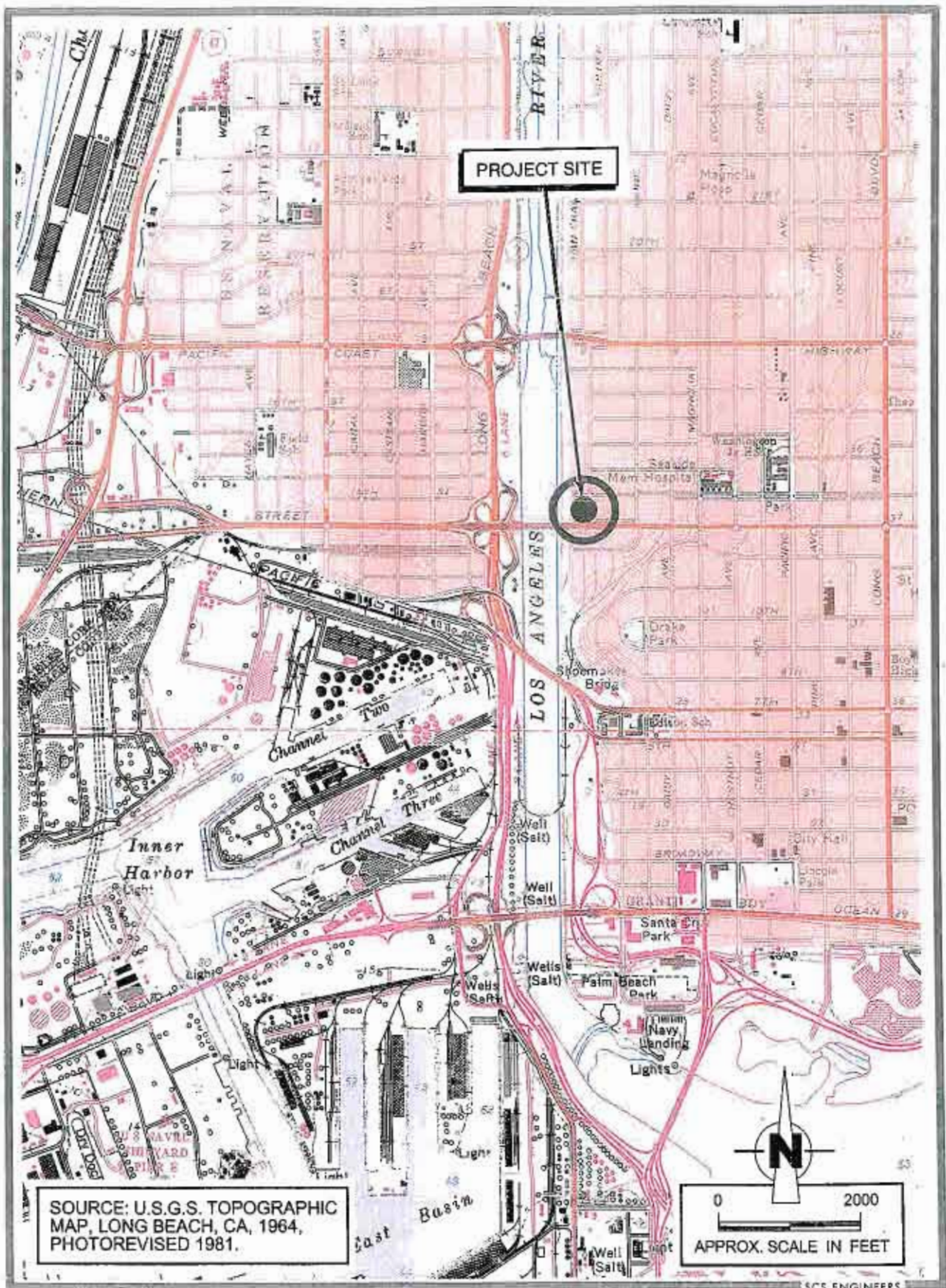


Figure 1. Project Site Location.

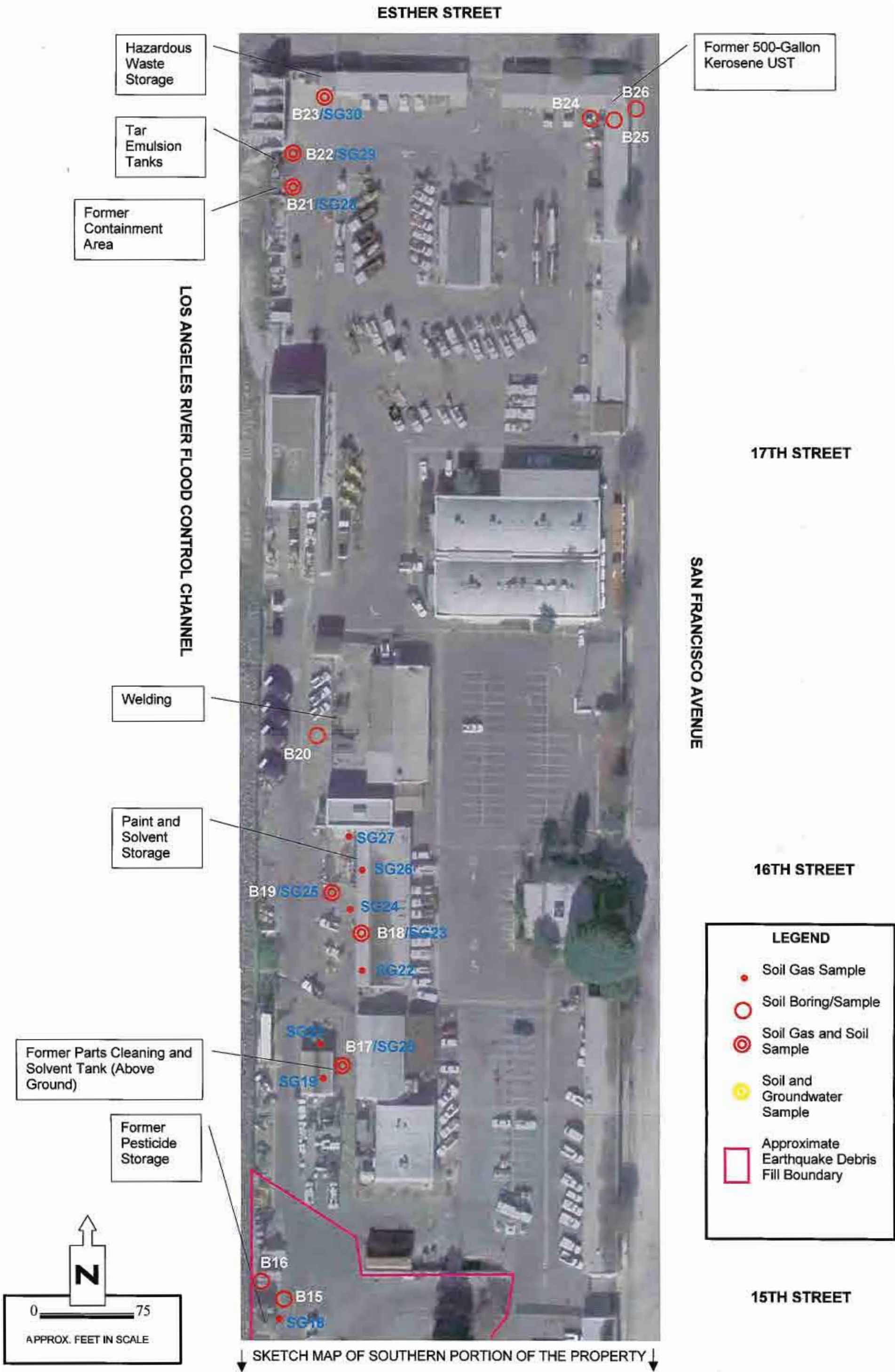


Figure 2A. Aerial Photograph of Northern Portion of the Property Showing Boring Locations

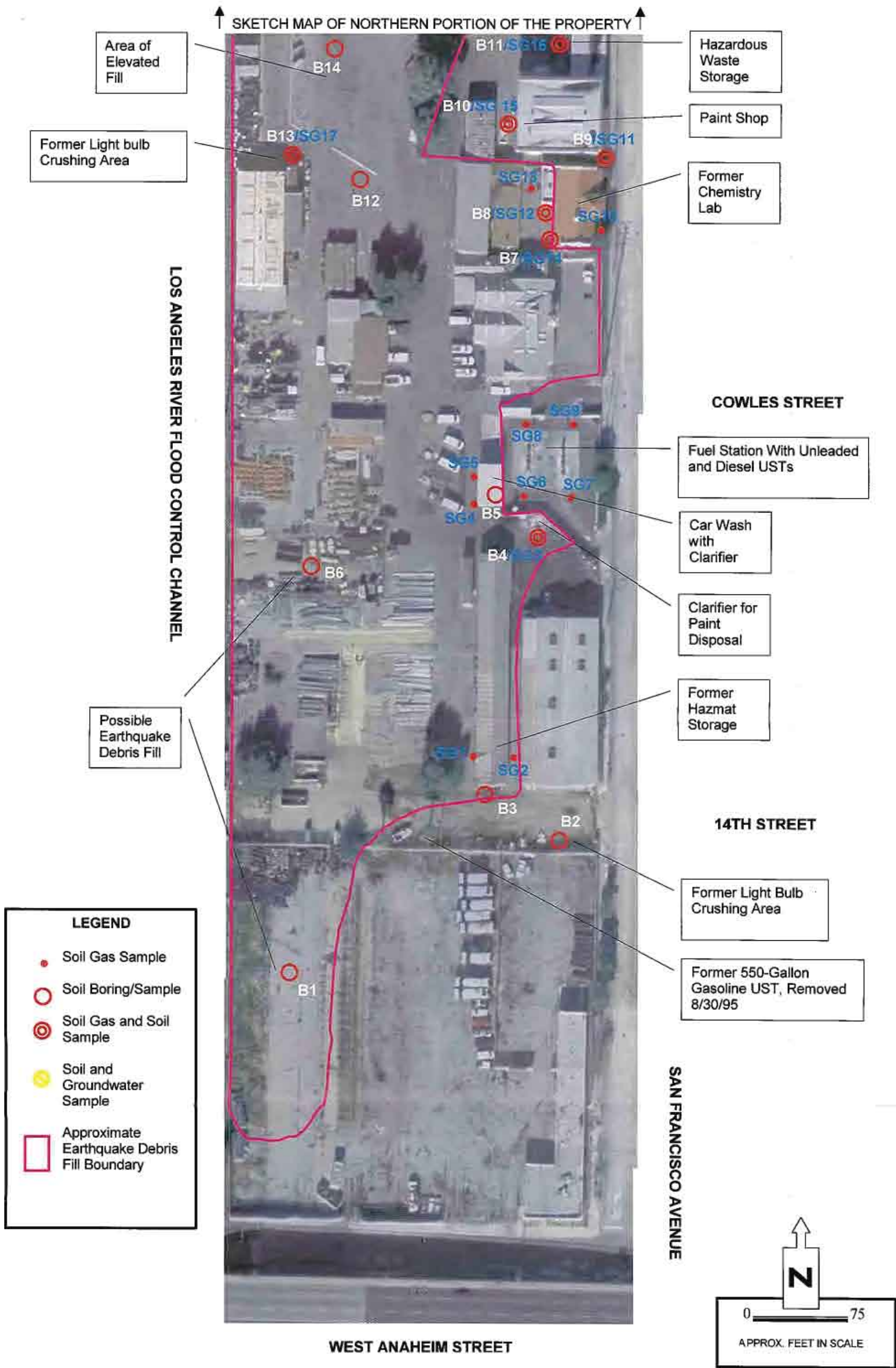


Figure 2B. Aerial Photograph of Southern Portion of the Property Showing Boring Locations

TABLES



TABLE 1
SUMMARY OF ANALYTICAL RESULTS FOR SOIL GAS SURVEY
LONG BEACH PUBLIC SERVICE YARD
1601 SAN FRANCISCO AVENUE, LONG BEACH, CALIFORNIA

Sample Number (or Boring ID)	Sample Depth (feet bgs)	Sampling Date	VOLATILE ORGANIC COMPOUNDS (VOCs) (By GC/MS Using EPA Method 8260B)	
			1,1,1 TCA (1,1,1-Trichloroethane)	PCE (Tetrachloroethene)
			micrograms per liter (µg/L)	
SG1	5	June 20, 2005	<1.0	<1.0
SG2	5		<1.0	<1.0
SG3	5		<1.0	<1.0
SG4	5		<1.0	<1.0
SG5	5		<1.0	<1.0
SG6	5		<1.0	<1.0
SG7	5		<1.0	<1.0
SG8	5		<1.0	<1.0
SG9	5		<1.0	<1.0
SG9 (duplicate)	5		<1.0	<1.0
SG10	5		<1.0	<1.0
SG11	5		<1.0	<1.0
SG12	5		2.6	<1.0
SG13	5		<1.0	<1.0
SG14	5		<1.0	<1.0
SG15	5		<1.0	<1.0
SG16	5		<1.0	<1.0
SG17	5		<1.0	<1.0
SG18	5	June 21, 2005	<1.0	<1.0
SG19	5		<1.0	<1.0
SG20	5		<1.0	<1.0
SG20 (duplicate)	5		<1.0	<1.0
SG21	5		<1.0	<1.0
SG22	5		<1.0	5.9
SG23	5		<1.0	1.7
SG24	5		<1.0	1.7
SG25	5		<1.0	<1.0
SG26	5		<1.0	<1.0
SG27	5		<1.0	<1.0
SG28	5		<1.0	<1.0
SG29	5		<1.0	<1.0
SG30	5		<1.0	<1.0

Notes:

1) bgs = below ground surface

TABLE 2
SUMMARY OF ANALYTICAL RESULTS FOR PETROLEUM HYDROCARBONS, VOLATILE ORGANIC COMPOUNDS, AND PESTICIDES
LONG BEACH PUBLIC SERVICE YARD
1601 SAN FRANCISCO AVENUE, LONG BEACH, CALIFORNIA

Sample Number (or Boring ID)	Sample Depth (feet bgs)	Sampling Date	Total Petroleum Hydrocarbons (TPH) [EPA Method 8015B(M)]			VOLATILE ORGANIC COMPOUNDS (VOCs) (EPA Method 5035/8260B)							ORGANO- CHLORINE PESTICIDES (EPA Method 8081A)
			Gasoline Range (C ₄ -C ₁₂)	Diesel Range (C ₁₃ -C ₂₂)	Heavy Hydocarbon Range (C ₂₃ -C ₄₀)	1,1,1-Trichloroethane	Dibromochloromethane	n-Propylbenzene	sec-Butylbenzene	Isopropylbenzene	Naphthalene	tert-Butylbenzene	
			milligrams per kilogram (mg/kg), equivalent to parts per million			micrograms per kilogram (µg/kg), equivalent to parts per billion							
B4	10	6/20/05	--	--	--	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	--
B5	5		<1.0	<10	<10	--	--	--	--	--	--	--	--
B6	10		<41	<10	<10	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	--
B7	5		<45	<10	<10	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	--
B8	5		<38	<10	<10	4.9	4.3	<4.4	<4.4	<4.4	<4.4	<4.4	--
B9	1		<1.0	<10	103	--	--	--	--	--	--	--	--
B12	5		<41	<10	104	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	--
B14	5		<1.0	<10	<10	--	--	--	--	--	--	--	--
	10		<1.0	<10	<10	--	--	--	--	--	--	--	--
B15	1		--	--	--	--	--	--	--	--	--	--	ND
	5		--	--	--	--	--	--	--	--	--	--	ND
B16	1		--	--	--	--	--	--	--	--	--	--	ND
	5		--	--	--	--	--	--	--	--	--	--	ND
B18	1		<1.0	<10	<10	--	--	--	--	--	--	--	--
B19	1		<1.0	12	180	--	--	--	--	--	--	--	--
	5		<1.0	<10	<10	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	--
B21	5		<1.0	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	--
B22	1		<1.0	<10	<10	--	--	--	--	--	--	--	--
	5		<1.0	<10	<10	--	--	--	--	--	--	--	--
B23	1		<1.0	<10	<10	--	--	--	--	--	--	--	--
	5		--	--	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	--
B24	5	<1.0	<10	<10	--	--	--	--	--	--	--	--	
	10	3,090	2,140	58	<250	<250	310	1,000	<250	<250	<250	--	
B25	1	<1.0	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	--	
	5	<1.0	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	--	
	10	760	465	13	<250	<250	1,300	1,300	520	2,500	<250	--	
B26	5	<1.0	<10	<10	--	--	--	--	--	--	--	--	
	10	4,000	2,570	<50	<250	<250	17,000	12,000	8,200	15,000	630	--	
RWQCB SSLs (<20 feet above groundwater)			100	100	1,000	--	--	--	--	--	--	--	--
Residential PRG ²			--	--	--	1,200,000	1,100	240,000	220,000	570,000	1,700*	390,000	--
Industrial PRG ²			--	--	--	1,200,000	2,600	240,000	220,000	2,000,000	4,200*	390,000	--
Groudwater Sample													
			milligrams per liter (mg/L)			micrograms per liter (µg/L)							
B25-GW	12	6/21/05	2.34	2.59	<0.20	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	--

1) bgs = below ground surface

2) US EPA Region 9 or California-modified (where available) Preliminary Remediation Goals (PRGs) for Residential and Industrial Soils, October 2004 (<http://www.epa.gov/region09/waste/sfund/prg/files/04prgtable.pdf>).

3) * = California Modified PRG

4) -- = Not Applicable or Not Analyzed

5) ND = None Detected

TABLE 3
SUMMARY OF ANALYTICAL RESULTS FOR METALS
LONG BEACH PUBLIC SERVICE YARD
1601 SAN FRANCISCO AVENUE, LONG BEACH CALIFORNIA

Sample (or Boring) ID	Sample Depth (feet bgs)	Sampling Date	Title 22 Metals (EPA Method 6010B, except Mercury by EPA Method 7471A)																
			Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
			milligrams per kilogram (mg/kg), equivalent to parts per million																
B1	5	6/21/05	<2.0	1.8	95	<1.0	<1.0	11	5.7	11	14	<0.10	<1.0	7	1.1	<1.0	<1.0	21	82
B2	1	6/20/05	<2.0	2.8	1,900	<1.0	1.6	9.3	2.8	6.9	78	0.34	<1.0	6.4	1.2	<1.0	<1.0	17	1,200
B3	1		<2.0	<1.0	69	<1.0	<1.0	14	7	12	24	<0.10	<1.0	17	1.3	<1.0	<1.0	26	110
B5	5		15	110	430	<1.0	5.6	62	13	920	2,400	0.22	<1.0	59	1.2	<1.0	<1.0	3	3,400
B8	5		<2.0	3.2	160	<1.0	<1.0	23	14	43	18	0.15	<1.0	18	1.2	<1.0	<1.0	49	93
B9	1		<2.0	6.5	210	<1.0	<1.0	27	14	120	130	0.19	<1.0	22	1.6	<1.0	<1.0	48	280
B10	1	6/21/05	<2.0	1.1	170	<1.0	<1.0	21	11	50	110	0.23	<1.0	21	2	<1.0	<1.0	37	300
B11	1		<2.0	1.3	120	<1.0	<1.0	19	11	24	5.8	<0.10	<1.0	15	1.5	<1.0	<1.0	38	51
B12	1	6/20/05	<2.0	4.8	380	<1.0	4.0	56	9.6	390	990	0.36	<1.0	44	<1.0	<1.0	<1.0	11	1,400
B13	1		<2.0	2.3	110	<1.0	<1.0	11	4.8	14	48	0.15	<1.0	7.7	1.8	<1.0	<1.0	23	93
B14	1		<2.0	1.0	130	<1.0	<1.0	13	6.8	12	8.8	0.10	<1.0	8.9	1.3	<1.0	<1.0	26	47
	5		<2.0	2.4	620	<1.0	2.3	21	5.7	97	1,100	0.11	<1.0	18	1.3	<1.0	<1.0	14	590
	10		<2.0	<1.0	360	<1.0	1.0	20	10	83	1,300	0.19	<1.0	14	1.9	<1.0	<1.0	33	290
B18	1	6/21/05	<2.0	7.4	160	<1.0	<1.0	27	15	52	15	0.21	<1.0	21	1.9	<1.0	<1.0	54	77
B19	1	6/20/05	<2.0	2.6	96	<1.0	<1.0	13	7.4	28	150	<0.10	<1.0	12	1.8	<1.0	<1.0	26	97
	5		<2.0	1.5	110	<1.0	<1.0	17	9.9	22	5.2	<0.10	<1.0	14	2.4	<1.0	<1.0	38	43
B21	1		<2.0	1.8	130	<1.0	<1.0	20	12	23	6.3	<0.10	<1.0	15	2.2	<1.0	<1.0	41	54
B23	1		<2.0	2.8	150	<1.0	<1.0	21	12	28	21	<0.10	<1.0	17	2.1	<1.0	<1.0	42	81
Typical Range for CA Soils*			0.15-1.95	0.6-11	133-1,400	0.25-2.7	0.05-1.7	23-1579	2.7-46.9	9.1-96.4	12.4-97.1	0.1-0.9	0.1-9.6	9-509	0.015-0.430	0.1-8.3	0.17-1.1	39-288	88-236

Health Risk Criteria

Residential PRG	31	0.062	5,400	150	37	210±	900	3,100	150	23	390	1,600	390	390	5.2	78	23,000
Industrial PRG	410	0.25	67,000	1,900	450	450±	1,900	41,000	800	310	5,100	20,000	5,100	5,100	67	1,000	100,000

Waste Disposal Criteria

TTLIC	500	500	10,000	75	100	2,500	8,000	2,500	1,000	20	3,500	2,000	100	500	700	2,400	5,000
STLC**	15	5	100	0.75	1	5	80	25	5	0.2	350	20	1	5	7	24	250
TCLP**	NA	5	100	NA	1	5	NA	NA	5	0.2	NA	NA	1.0	5	NA	NA	NA

Notes:

- 1) bgs = below ground surface
- 2) * Bradford, G.R., Chang, A.C., Page, A.L., Bakhtar, D., Fampton, J.A., and Wright, H., 1996, *Background Concentrations of Trace and Major Elements in California Soils*, Kearney Foundation of Soil Science Special Report, Division of Agriculture and Natural Resources, University of California.
- 3) ** - Values in milligrams per liter (mg/L)
- 4) ± - Value for total chromium (assumes 1:6 ratio of Cr VI:Cr III)
- 5) Residential PRG = US EPA Region 9 or California-modified (where available) Preliminary Remediation Goal for Residential Soils, October 2004 (<http://www.epa.gov/region09/waste/sfund/prg/files/04prgtable.pdf>).
- 6) Industrial PRG = US EPA Region 9 or California-modified (where available) Preliminary Remediation Goal for Industrial Soils, October 2004 (<http://www.epa.gov/region09/waste/sfund/prg/files/04prgtable.pdf>).
- 7) TTLIC = Total Threshold Limit Concentration as identified in Title 22 of the California Code of Regulations. Wastes with concentrations above this value are considered hazardous for the purposes of disposal under California regulations.
- 8) STLC = Soluble Threshold Limit Concentration, in mg/L, as identified in Title 22 of the California Code of Regulations. A concentration of ten times the STLC is sometimes used as a trigger to conduct further analysis (i.e., the soluble analysis) of a sample to determine disposal requirements. Wastes with soluble concentrations above this value are considered hazardous for the purposes of disposal under California regulations.
- 9) TCLP = Toxicity Characteristic Leaching Procedure concentration, in mg/L, as identified in the Code of Federal Regulations. Wastes with soluble concentrations above this value are considered hazardous for the purposes of disposal under federal regulations.

APPENDIX A

**H&P MOBILE GEOCHEMISTRY LABORATORY REPORT
FOR SOIL VAPOR SAMPLES**





29 June 2005

Mr. Kevin Green
SCS Engineers Environmental Consultants
3900 Kilroy Airport Way, Suite 100
Long Beach, CA 90806-6816
RE: SCS062005-SB2

Enclosed are the results of analyses for samples received by the laboratory on 6/20/2005 -6/21/2005 . If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in cursive script that reads "Debby Slama" followed by "for" on a new line.

Tamara Davis
Laboratory Director

H&P Mobile Geochemistry mobile labs operate under CA Environmental Lab Accreditation Program Numbers 1561, 2088, 2278 and 2530.

432 North Cedros Avenue, Solana Beach, California 92075 | 858 793.0401 — Fax 858 793.0404
148 South Vinewood Street, Escondido, California 92029 | 760 735.3208 — Fax 760.735.2469
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3900 Kilroy Airport Way, Suite 100
Long Beach CA, 90806-6816

Project: SCS062005-SB2
Project Number: 01204007.02; 1601 San Francisco Ave.
Project Manager: Mr. Kevin Green

Reported:
29-Jun-05

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SG1-5, PV84cc	C506010-01	Vapor	20-Jun-05	20-Jun-05
SG2-5, PV84cc	C506010-02	Vapor	20-Jun-05	20-Jun-05
SG3-5, PV84cc	C506010-03	Vapor	20-Jun-05	20-Jun-05
SG4-5, PV84cc	C506010-04	Vapor	20-Jun-05	20-Jun-05
SG5-5, PV84cc	C506010-05	Vapor	20-Jun-05	20-Jun-05
SG8-5, PV84cc	C506010-06	Vapor	20-Jun-05	20-Jun-05
SG6-5, PV84cc	C506010-07	Vapor	20-Jun-05	20-Jun-05
SG7-5, PV84cc	C506010-08	Vapor	20-Jun-05	20-Jun-05
SG9-5, PV84cc	C506010-09	Vapor	20-Jun-05	20-Jun-05
SG9-5, PV144cc Duplicate	C506010-10	Vapor	20-Jun-05	20-Jun-05
SG17-5, PV84cc	C506010-11	Vapor	20-Jun-05	20-Jun-05
SG15-5, PV84cc	C506010-12	Vapor	20-Jun-05	20-Jun-05
SG16-5, PV84cc	C506010-13	Vapor	20-Jun-05	20-Jun-05
SG11-5, PV84cc	C506010-14	Vapor	20-Jun-05	20-Jun-05
SG10-5, PV84cc	C506010-15	Vapor	20-Jun-05	20-Jun-05
SG13-5, PV84cc	C506010-16	Vapor	20-Jun-05	20-Jun-05
SG12-5, PV84cc	C506010-17	Vapor	20-Jun-05	20-Jun-05
SG14-5, PV84cc	C506010-18	Vapor	20-Jun-05	20-Jun-05
SG21-5, PV84cc	C506011-01	Vapor	21-Jun-05	21-Jun-05
SG20-5, PV84cc	C506011-02	Vapor	21-Jun-05	21-Jun-05
SG20-5, PV144cc Duplicate	C506011-03	Vapor	21-Jun-05	21-Jun-05
SG19-5, PV84cc	C506011-04	Vapor	21-Jun-05	21-Jun-05
SG18-5, PV84cc	C506011-05	Vapor	21-Jun-05	21-Jun-05
SG25-5, PV84cc	C506011-06	Vapor	21-Jun-05	21-Jun-05
SG23-5, PV21cc	C506011-07	Vapor	21-Jun-05	21-Jun-05
SG22-5, PV21cc	C506011-08	Vapor	21-Jun-05	21-Jun-05



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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SG26-5, PV21cc	C506011-09	Vapor	21-Jun-05	21-Jun-05
SG24-5, PV84cc	C506011-10	Vapor	21-Jun-05	21-Jun-05
SG27-5, PV84cc	C506011-11	Vapor	21-Jun-05	21-Jun-05
SG28-5, PV84cc	C506011-12	Vapor	21-Jun-05	21-Jun-05
SG29-5, PV84cc	C506011-13	Vapor	21-Jun-05	21-Jun-05
SG30-5, PV84cc	C506011-14	Vapor	21-Jun-05	21-Jun-05



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Volatile Organic Compounds by EPA Method 8260B **Lab SB2**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG1-5, PV84cc (C506010-01) Vapor Sampled: 20-Jun-05 Received: 20-Jun-05									
Dichlorodifluoromethane	ND	1	ug/l	0.05	CF52001	20-Jun-05	20-Jun-05	EPA 8260B	
Vinyl chloride	ND	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	ND	1	"	"	"	"	"	"	
Toluene	ND	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	ND	1	"	"	"	"	"	"	
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		97.2 %	75-125		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		92.8 %	75-125		"	"	"	"	
Surrogate: Toluene-d8		92.4 %	75-125		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		105 %	75-125		"	"	"	"	



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Volatile Organic Compounds by EPA Method 8260B

Lab SB2

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG2-5, PV84cc (C506010-02) Vapor Sampled: 20-Jun-05 Received: 20-Jun-05									
Dichlorodifluoromethane	ND	1	ug/l	0.05	CF52001	20-Jun-05	20-Jun-05	EPA 8260B	
Vinyl chloride	ND	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	ND	1	"	"	"	"	"	"	
Toluene	ND	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	ND	1	"	"	"	"	"	"	
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		96.8 %	75-125		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		98.0 %	75-125		"	"	"	"	
Surrogate: Toluene-d8		93.2 %	75-125		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		101 %	75-125		"	"	"	"	



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Volatile Organic Compounds by EPA Method 8260B Lab SB2

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG3-5, PV84cc (C506010-03) Vapor Sampled: 20-Jun-05 Received: 20-Jun-05									
Dichlorodifluoromethane	ND	1	ug/l	0.05	CF52001	20-Jun-05	20-Jun-05	EPA 8260B	
Vinyl chloride	ND	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	ND	1	"	"	"	"	"	"	
Toluene	ND	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	ND	1	"	"	"	"	"	"	
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		98.0 %	75-125		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		93.2 %	75-125		"	"	"	"	
Surrogate: Toluene-d8		94.4 %	75-125		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		102 %	75-125		"	"	"	"	



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Volatile Organic Compounds by EPA Method 8260B **Lab SB2**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG4-5, PV84cc (C506010-04) Vapor Sampled: 20-Jun-05 Received: 20-Jun-05									
Dichlorodifluoromethane	ND	1	ug/l	0.05	CF52001	20-Jun-05	20-Jun-05	EPA 8260B	
Vinyl chloride	ND	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	ND	1	"	"	"	"	"	"	
Toluene	ND	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	ND	1	"	"	"	"	"	"	
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		92.4 %	75-125		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		86.8 %	75-125		"	"	"	"	
Surrogate: Toluene-d8		92.8 %	75-125		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		98.0 %	75-125		"	"	"	"	



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Volatile Organic Compounds by EPA Method 8260B Lab SB2

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG5-5, PV84cc (C506010-05) Vapor Sampled: 20-Jun-05 Received: 20-Jun-05									
Dichlorodifluoromethane	ND	1	ug/l	0.05	CF52001	20-Jun-05	20-Jun-05	EPA 8260B	
Vinyl chloride	ND	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	ND	1	"	"	"	"	"	"	
Toluene	ND	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	ND	1	"	"	"	"	"	"	
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		92.0 %	75-125		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		86.0 %	75-125		"	"	"	"	
Surrogate: Toluene-d8		93.2 %	75-125		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		94.8 %	75-125		"	"	"	"	



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Volatile Organic Compounds by EPA Method 8260B

Lab SB2

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG8-5, PV84cc (C506010-06) Vapor Sampled: 20-Jun-05 Received: 20-Jun-05									
Dichlorodifluoromethane	ND	1	ug/l	0.05	CF52001	20-Jun-05	20-Jun-05	EPA 8260B	
Vinyl chloride	ND	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	ND	1	"	"	"	"	"	"	
Toluene	ND	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	ND	1	"	"	"	"	"	"	
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		96.4 %	75-125		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		94.0 %	75-125		"	"	"	"	
Surrogate: Toluene-d8		94.0 %	75-125		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		99.2 %	75-125		"	"	"	"	



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Volatile Organic Compounds by EPA Method 8260B Lab SB2

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG6-5, PV84cc (C506010-07) Vapor Sampled: 20-Jun-05 Received: 20-Jun-05									
Dichlorodifluoromethane	ND	1	ug/l	0.05	CF52001	20-Jun-05	20-Jun-05	EPA 8260B	
Vinyl chloride	ND	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	ND	1	"	"	"	"	"	"	
Toluene	ND	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	ND	1	"	"	"	"	"	"	
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		95.2 %	75-125		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		89.2 %	75-125		"	"	"	"	
Surrogate: Toluene-d8		93.2 %	75-125		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		92.8 %	75-125		"	"	"	"	



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Volatile Organic Compounds by EPA Method 8260B Lab SB2

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG7-5, PV84cc (C506010-08) Vapor Sampled: 20-Jun-05 Received: 20-Jun-05									
Dichlorodifluoromethane	ND	1	ug/l	0.05	CF52001	20-Jun-05	20-Jun-05	EPA 8260B	
Vinyl chloride	ND	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	ND	1	"	"	"	"	"	"	
Toluene	ND	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	ND	1	"	"	"	"	"	"	
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		92.4 %	75-125		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		90.0 %	75-125		"	"	"	"	
Surrogate: Toluene-d8		92.8 %	75-125		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		95.6 %	75-125		"	"	"	"	



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Project: SCS062005-SB2
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Project Manager: Mr. Kevin Green

Reported:
29-Jun-05

Volatile Organic Compounds by EPA Method 8260B

Lab SB2

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG9-5, PV84cc (C506010-09) Vapor Sampled: 20-Jun-05 Received: 20-Jun-05									
Dichlorodifluoromethane	ND	1	ug/l	0.05	CF52001	20-Jun-05	20-Jun-05	EPA 8260B	
Vinyl chloride	ND	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	ND	1	"	"	"	"	"	"	
Toluene	ND	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	ND	1	"	"	"	"	"	"	
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		96.4 %	75-125		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		104 %	75-125		"	"	"	"	
Surrogate: Toluene-d8		94.0 %	75-125		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		105 %	75-125		"	"	"	"	



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Reported:
29-Jun-05

Volatile Organic Compounds by EPA Method 8260B Lab SB2

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG9-5, PV144cc Duplicate (C506010-10) Vapor Sampled: 20-Jun-05 Received: 20-Jun-05									
Dichlorodifluoromethane	ND	1	ug/l	0.05	CF52001	20-Jun-05	20-Jun-05	EPA 8260B	
Vinyl chloride	ND	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	ND	1	"	"	"	"	"	"	
Toluene	ND	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	ND	1	"	"	"	"	"	"	
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		97.6 %	75-125		"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	75-125		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		90.0 %	75-125		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		98.0 %	75-125		"	"	"	"	



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Project: SCS062005-SB2
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29-Jun-05

Volatile Organic Compounds by EPA Method 8260B **Lab SB2**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG17-5, PV84cc (C506010-11) Vapor Sampled: 20-Jun-05 Received: 20-Jun-05									
Dichlorodifluoromethane	ND	1	ug/l	0.05	CF52001	20-Jun-05	20-Jun-05	EPA 8260B	
Vinyl chloride	ND	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	ND	1	"	"	"	"	"	"	
Toluene	ND	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	ND	1	"	"	"	"	"	"	
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylenc	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		96.8 %	75-125		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		102 %	75-125		"	"	"	"	
Surrogate: Toluene-d8		94.0 %	75-125		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		100 %	75-125		"	"	"	"	



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29-Jun-05

Volatile Organic Compounds by EPA Method 8260B Lab SB2

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG15-5, PV84cc (C506010-12) Vapor Sampled: 20-Jun-05 Received: 20-Jun-05									
Dichlorodifluoromethane	ND	1	ug/l	0.05	CF52001	20-Jun-05	20-Jun-05	EPA 8260B	
Vinyl chloride	ND	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	ND	1	"	"	"	"	"	"	
Toluene	ND	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	ND	1	"	"	"	"	"	"	
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		101 %		75-125	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		107 %		75-125	"	"	"	"	
Surrogate: Toluene-d8		95.6 %		75-125	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		103 %		75-125	"	"	"	"	



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29-Jun-05

Volatile Organic Compounds by EPA Method 8260B

Lab SB2

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG16-5, PV84cc (C506010-13) Vapor Sampled: 20-Jun-05 Received: 20-Jun-05									
Dichlorodifluoromethane	ND	1	ug/l	0.05	CF52001	20-Jun-05	20-Jun-05	EPA 8260B	
Vinyl chloride	ND	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	ND	1	"	"	"	"	"	"	
Toluene	ND	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	ND	1	"	"	"	"	"	"	
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		96.4 %	75-125		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		97.2 %	75-125		"	"	"	"	
Surrogate: Toluene-d8		94.4 %	75-125		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		98.8 %	75-125		"	"	"	"	



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29-Jun-05

Volatile Organic Compounds by EPA Method 8260B Lab SB2

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG11-5, PV84cc (C506010-14) Vapor Sampled: 20-Jun-05 Received: 20-Jun-05									
Dichlorodifluoromethane	ND	1	ug/l	0.05	CF52001	20-Jun-05	20-Jun-05	EPA 8260B	
Vinyl chloride	ND	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	ND	1	"	"	"	"	"	"	
Toluene	ND	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	ND	1	"	"	"	"	"	"	
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		92.4 %	75-125		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		91.6 %	75-125		"	"	"	"	
Surrogate: Toluene-d8		93.2 %	75-125		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		96.4 %	75-125		"	"	"	"	



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Volatile Organic Compounds by EPA Method 8260B

Lab SB2

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG10-5, PV84cc (C506010-15) Vapor Sampled: 20-Jun-05 Received: 20-Jun-05									
Dichlorodifluoromethane	ND	1	ug/l	0.05	CF52001	20-Jun-05	20-Jun-05	EPA 8260B	
Vinyl chloride	ND	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	ND	1	"	"	"	"	"	"	
Toluene	ND	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	ND	1	"	"	"	"	"	"	
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		90.4 %	75-125		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		86.4 %	75-125		"	"	"	"	
Surrogate: Toluene-d8		94.4 %	75-125		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		96.8 %	75-125		"	"	"	"	



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29-Jun-05

Volatile Organic Compounds by EPA Method 8260B **Lab SB2**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG13-5, PV84cc (C506010-16) Vapor Sampled: 20-Jun-05 Received: 20-Jun-05									
Dichlorodifluoromethane	ND	1	ug/l	0.05	CF52001	20-Jun-05	20-Jun-05	EPA 8260B	
Vinyl chloride	ND	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	ND	1	"	"	"	"	"	"	
Toluene	ND	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	ND	1	"	"	"	"	"	"	
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		92.8 %	75-125		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		92.0 %	75-125		"	"	"	"	
Surrogate: Toluene-d8		93.6 %	75-125		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		96.0 %	75-125		"	"	"	"	



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Long Beach CA, 90806-6816

Project: SCS062005-SB2
Project Number: 01204007.02; 1601 San Francisco Ave.
Project Manager: Mr. Kevin Green

Reported:
29-Jun-05

Volatile Organic Compounds by EPA Method 8260B Lab SB2

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG12-5, PV84cc (C506010-17) Vapor Sampled: 20-Jun-05 Received: 20-Jun-05									
Dichlorodifluoromethane	ND	1	ug/l	0.05	CF52001	20-Jun-05	20-Jun-05	EPA 8260B	
Vinyl chloride	ND	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	2.6	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	ND	1	"	"	"	"	"	"	
Toluene	ND	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	ND	1	"	"	"	"	"	"	
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		<i>94.4 %</i>	<i>75-125</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		<i>90.4 %</i>	<i>75-125</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	
<i>Surrogate: Toluene-d8</i>		<i>95.6 %</i>	<i>75-125</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>99.6 %</i>	<i>75-125</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	



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Project: SCS062005-SB2
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Reported:
29-Jun-05

Volatile Organic Compounds by EPA Method 8260B
Lab SB2

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG14-5, PV84cc (C506010-18) Vapor Sampled: 20-Jun-05 Received: 20-Jun-05									
Dichlorodifluoromethane	ND	1	ug/l	0.05	CF52001	20-Jun-05	20-Jun-05	EPA 8260B	
Vinyl chloride	ND	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	ND	1	"	"	"	"	"	"	
Toluene	ND	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	ND	1	"	"	"	"	"	"	
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		108 %	75-125		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		112 %	75-125		"	"	"	"	
Surrogate: Toluene-d8		104 %	75-125		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		112 %	75-125		"	"	"	"	



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Reported:
29-Jun-05

Volatile Organic Compounds by EPA Method 8260B Lab SB2

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG21-5, PV84cc (C506011-01) Vapor Sampled: 21-Jun-05 Received: 21-Jun-05									
Dichlorodifluoromethane	ND	1	ug/l	0.05	CF52101	21-Jun-05	21-Jun-05	EPA 8260B	
Vinyl chloride	ND	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	ND	1	"	"	"	"	"	"	
Toluene	ND	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	ND	1	"	"	"	"	"	"	
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		94.4 %	75-125		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		93.6 %	75-125		"	"	"	"	
Surrogate: Toluene-d8		94.8 %	75-125		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		98.4 %	75-125		"	"	"	"	



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Reported:
29-Jun-05

Volatile Organic Compounds by EPA Method 8260B Lab SB2

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG20-5, PV84cc (C506011-02) Vapor Sampled: 21-Jun-05 Received: 21-Jun-05									
Dichlorodifluoromethane	ND	1	ug/l	0.05	CF52101	21-Jun-05	21-Jun-05	EPA 8260B	
Vinyl chloride	ND	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	ND	1	"	"	"	"	"	"	
Toluene	ND	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	ND	1	"	"	"	"	"	"	
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		94.4 %	75-125		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		96.4 %	75-125		"	"	"	"	
Surrogate: Toluene-d8		93.2 %	75-125		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		98.0 %	75-125		"	"	"	"	



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Reported:
29-Jun-05

Volatile Organic Compounds by EPA Method 8260B

Lab SB2

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG20-5, PV144cc Duplicate (C506011-03) Vapor Sampled: 21-Jun-05 Received: 21-Jun-05									
Dichlorodifluoromethane	ND	1	ug/l	0.05	CF52101	21-Jun-05	21-Jun-05	EPA 8260B	
Vinyl chloride	ND	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	ND	1	"	"	"	"	"	"	
Toluene	ND	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	ND	1	"	"	"	"	"	"	
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		91.6 %	75-125		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		91.2 %	75-125		"	"	"	"	
Surrogate: Toluene-d8		92.8 %	75-125		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		96.0 %	75-125		"	"	"	"	



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Reported:
29-Jun-05

Volatile Organic Compounds by EPA Method 8260B Lab SB2

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG19-5, PV84cc (C506011-04) Vapor Sampled: 21-Jun-05 Received: 21-Jun-05									
Dichlorodifluoromethane	ND	1	ug/l	0.05	CF52101	21-Jun-05	21-Jun-05	EPA 8260B	
Vinyl chloride	ND	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylenec chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	ND	1	"	"	"	"	"	"	
Toluene	ND	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	ND	1	"	"	"	"	"	"	
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylenc	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		94.8 %	75-125		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		95.6 %	75-125		"	"	"	"	
Surrogate: Toluene-d8		94.0 %	75-125		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		99.2 %	75-125		"	"	"	"	



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Reported:
29-Jun-05

Volatile Organic Compounds by EPA Method 8260B

Lab SB2

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG18-5, PV84cc (C506011-05) Vapor Sampled: 21-Jun-05 Received: 21-Jun-05									
Dichlorodifluoromethane	ND	1	ug/l	0.05	CF52101	21-Jun-05	21-Jun-05	EPA 8260B	
Vinyl chloride	ND	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	ND	1	"	"	"	"	"	"	
Toluene	ND	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	ND	1	"	"	"	"	"	"	
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		93.6 %	75-125		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		98.0 %	75-125		"	"	"	"	
Surrogate: Toluene-d8		92.4 %	75-125		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		99.6 %	75-125		"	"	"	"	



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Volatile Organic Compounds by EPA Method 8260B Lab SB2

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG25-5, PV84cc (C506011-06) Vapor Sampled: 21-Jun-05 Received: 21-Jun-05									
Dichlorodifluoromethane	ND	1	ug/l	0.05	CF52101	21-Jun-05	21-Jun-05	EPA 8260B	
Vinyl chloride	ND	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	ND	1	"	"	"	"	"	"	
Toluene	ND	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	ND	1	"	"	"	"	"	"	
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		94.0 %	75-125		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		92.8 %	75-125		"	"	"	"	
Surrogate: Toluene-d8		91.6 %	75-125		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		96.8 %	75-125		"	"	"	"	



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Reported:
29-Jun-05

Volatile Organic Compounds by EPA Method 8260B Lab SB2

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG23-5, PV21cc (C506011-07) Vapor Sampled: 21-Jun-05 Received: 21-Jun-05									
Dichlorodifluoromethane	ND	1	ug/l	0.05	CF52101	21-Jun-05	21-Jun-05	EPA 8260B	
Vinyl chloride	ND	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	ND	1	"	"	"	"	"	"	
Toluene	ND	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	1.7	1	"	"	"	"	"	"	
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		96.4 %	75-125		"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.2 %	75-125		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		95.6 %	75-125		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		99.2 %	75-125		"	"	"	"	



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Project: SCS062005-SB2
Project Number: 01204007.02; 1601 San Francisco Ave.
Project Manager: Mr. Kevin Green

Reported:
29-Jun-05

Volatile Organic Compounds by EPA Method 8260B Lab SB2

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG22-5, PV21cc (C506011-08) Vapor Sampled: 21-Jun-05 Received: 21-Jun-05									
Dichlorodifluoromethane	ND	1	ug/l	0.05	CF52101	21-Jun-05	21-Jun-05	EPA 8260B	
Vinyl chloride	ND	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	ND	1	"	"	"	"	"	"	
Toluene	ND	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	5.9	1	"	"	"	"	"	"	
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		<i>88.0 %</i>	<i>75-125</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		<i>88.0 %</i>	<i>75-125</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	
<i>Surrogate: Toluene-d8</i>		<i>89.6 %</i>	<i>75-125</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>92.8 %</i>	<i>75-125</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	



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29-Jun-05

Volatile Organic Compounds by EPA Method 8260B Lab SB2

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG26-5, PV21cc (C506011-09) Vapor Sampled: 21-Jun-05 Received: 21-Jun-05									
Dichlorodifluoromethane	ND	1	ug/l	0.05	CF52101	21-Jun-05	21-Jun-05	EPA 8260B	
Vinyl chloride	ND	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	ND	1	"	"	"	"	"	"	
Toluene	ND	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	ND	1	"	"	"	"	"	"	
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		98.0 %	75-125		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		105 %	75-125		"	"	"	"	
Surrogate: Toluene-d8		93.6 %	75-125		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		102 %	75-125		"	"	"	"	



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Reported:
29-Jun-05

Volatile Organic Compounds by EPA Method 8260B Lab SB2

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG24-5, PV84cc (C506011-10) Vapor Sampled: 21-Jun-05 Received: 21-Jun-05									
Dichlorodifluoromethane	ND	1	ug/l	0.05	CF52101	21-Jun-05	21-Jun-05	EPA 8260B	
Vinyl chloride	ND	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	ND	1	"	"	"	"	"	"	
Toluene	ND	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	1.7	1	"	"	"	"	"	"	
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		<i>100 %</i>	<i>75-125</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		<i>104 %</i>	<i>75-125</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	
<i>Surrogate: Toluene-d8</i>		<i>96.8 %</i>	<i>75-125</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>104 %</i>	<i>75-125</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	



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Project: SCS062005-SB2
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Reported:
29-Jun-05

Volatile Organic Compounds by EPA Method 8260B **Lab SB2**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG27-5, PV84cc (C506011-11) Vapor Sampled: 21-Jun-05 Received: 21-Jun-05									
Dichlorodifluoromethane	ND	1	ug/l	0.05	CF52101	21-Jun-05	21-Jun-05	EPA 8260B	
Vinyl chloride	ND	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	ND	1	"	"	"	"	"	"	
Toluene	ND	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	ND	1	"	"	"	"	"	"	
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		95.6 %	75-125		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		100 %	75-125		"	"	"	"	
Surrogate: Toluene-d8		94.4 %	75-125		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		100 %	75-125		"	"	"	"	



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29-Jun-05

Volatile Organic Compounds by EPA Method 8260B Lab SB2

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG28-5, PV84cc (C506011-12) Vapor Sampled: 21-Jun-05 Received: 21-Jun-05									
Dichlorodifluoromethane	ND	1	ug/l	0.05	CF52101	21-Jun-05	21-Jun-05	EPA 8260B	
Vinyl chloride	ND	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	ND	1	"	"	"	"	"	"	
Toluene	ND	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	ND	1	"	"	"	"	"	"	
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		98.8 %	75-125		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		100 %	75-125		"	"	"	"	
Surrogate: Toluene-d8		92.4 %	75-125		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		102 %	75-125		"	"	"	"	



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29-Jun-05

Volatile Organic Compounds by EPA Method 8260B

Lab SB2

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG29-5, PV84cc (C506011-13) Vapor Sampled: 21-Jun-05 Received: 21-Jun-05									
Dichlorodifluoromethane	ND	1	ug/l	0.05	CF52101	21-Jun-05	21-Jun-05	EPA 8260B	
Vinyl chloride	ND	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Frcon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	ND	1	"	"	"	"	"	"	
Toluene	ND	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	ND	1	"	"	"	"	"	"	
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		101 %	75-125		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		106 %	75-125		"	"	"	"	
Surrogate: Toluene-d8		95.2 %	75-125		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		102 %	75-125		"	"	"	"	



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29-Jun-05

Volatile Organic Compounds by EPA Method 8260B Lab SB2

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG30-5, PV84cc (C506011-14) Vapor Sampled: 21-Jun-05 Received: 21-Jun-05									
Dichlorodifluoromethane	ND	1	ug/l	0.05	CF52101	21-Jun-05	21-Jun-05	EPA 8260B	
Vinyl chloride	ND	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	ND	1	"	"	"	"	"	"	
Toluene	ND	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	ND	1	"	"	"	"	"	"	
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		96.4 %	75-125		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		100 %	75-125		"	"	"	"	
Surrogate: Toluene-d8		94.0 %	75-125		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		98.4 %	75-125		"	"	"	"	



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29-Jun-05

Volatile Organic Compounds by EPA Method 8260B - Quality Control Lab SB2

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch CF52001 - EPA 5030										
Blank (CF52001-BLK1)				Prepared & Analyzed: 20-Jun-05						
Diehlordifluoromethane	ND	1.0	ug/l							
Vinyl chloride	ND	1.0	"							
Chloroethane	ND	1.0	"							
Trichlorofluoromethane	ND	1.0	"							
1,1-Dichloroethene	ND	1.0	"							
Methylene chloride	ND	1.0	"							
Freon 113	ND	1.0	"							
trans-1,2-Dichloroethene	ND	1.0	"							
1,1-Dichloroethane	ND	1.0	"							
cis-1,2-Dichloroethene	ND	1.0	"							
Chloroform	ND	1.0	"							
1,1,1-Trichloroethane	ND	1.0	"							
Carbon tetrachloride	ND	1.0	"							
1,2-Dichloroethane	ND	1.0	"							
Benzene	ND	1.0	"							
Trichloroethene	ND	1.0	"							
Toluene	ND	1.0	"							
1,1,2-Trichloroethane	ND	1.0	"							
Tetrachloroethene	ND	1.0	"							
Ethylbenzene	ND	1.0	"							
1,1,1,2-Tetrachloroethane	ND	1.0	"							
m,p-Xylene	ND	2.0	"							
o-Xylene	ND	1.0	"							
1,1,2,2-Tetrachloroethane	ND	1.0	"							
<i>Surrogate: Dibromofluoromethane</i>	2.51		"	2.50		100	75-125			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.55		"	2.50		102	75-125			
<i>Surrogate: Toluene-d8</i>	2.39		"	2.50		95.6	75-125			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.71		"	2.50		108	75-125			



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3900 Kilroy Airport Way, Suite 100
Long Beach CA, 90806-6816

Project: SCS062005-SB2
Project Number: 01204007.02; 1601 San Francisco Ave.
Project Manager: Mr. Kevin Green

Reported:
29-Jun-05

Volatile Organic Compounds by EPA Method 8260B - Quality Control Lab SB2

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

Batch CF52001 - EPA 5030

Batch CF52101 - EPA 5030

Blank (CF52101-BLK1)

Prepared & Analyzed: 21-Jun-05

Dichlorodifluoromethane	ND	1.0	ug/l
Vinyl chloride	ND	1.0	"
Chloroethane	ND	1.0	"
Trichlorofluoromethane	ND	1.0	"
1,1-Dichloroethene	ND	1.0	"
Methylene chloride	ND	1.0	"
Freon 113	ND	1.0	"
trans-1,2-Dichloroethene	ND	1.0	"
1,1-Dichloroethane	ND	1.0	"
cis-1,2-Dichloroethene	ND	1.0	"
Chloroform	ND	1.0	"
1,1,1-Trichloroethane	ND	1.0	"
Carbon tetrachloride	ND	1.0	"
1,2-Dichloroethane	ND	1.0	"
Benzene	ND	1.0	"
Trichloroethene	ND	1.0	"
Toluene	ND	1.0	"
1,1,2-Trichloroethane	ND	1.0	"
Tetrachloroethene	ND	1.0	"
Ethylbenzene	ND	1.0	"
1,1,1,2-Tetrachloroethane	ND	1.0	"
m,p-Xylene	ND	2.0	"
o-Xylene	ND	1.0	"
1,1,2,2-Tetrachloroethane	ND	1.0	"

Surrogate: Dibromofluoromethane

2.40

"

2.50

96.0

75-125

Surrogate: 1,2-Dichloroethane-d4

2.27

"

2.50

90.8

75-125



SCS Engineers Environmental Consultants
 3900 Kilroy Airport Way, Suite 100
 Long Beach CA, 90806-6816

Project: SCS062005-SB2
 Project Number: 01204007.02; 1601 San Francisco Ave.
 Project Manager: Mr. Kevin Green

Reported:
 29-Jun-05

Volatile Organic Compounds by EPA Method 8260B - Quality Control Lab SB2

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch CF52101 - EPA 5030

Blank (CF52101-BLK1)

Prepared & Analyzed: 21-Jun-05

<i>Surrogate: Toluene-d8</i>	2.42		ug/l	2.50		96.8	75-125			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.67		"	2.50		107	75-125			



SCS Engineers Environmental Consultants
3900 Kilroy Airport Way, Suite 100
Long Beach CA, 90806-6816

Project: SCS062005-SB2
Project Number: 01204007.02; 1601 San Francisco Ave.
Project Manager: Mr. Kevin Green

Reported:
29-Jun-05

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

☐ 148 S. Vinewood St., Escondido, CA 92029 • ph 760.735.3208 • fax 760.735.2469
☐ 432 N. Cedros Ave., Solana Beach, CA 92075 • ph 858.793.0401 • fax 858.793.0404
☐ 3825 Industry Avenue, Lakewood, CA 90712 • ph 562.426.6991 • fax 562.426.6995

Collector: Huss, Kurt Page: 1 Of 2
Client Project # 01204007.02 Project Manager Kevin Green
Location: W. 16th Long Beach x 1601 SAN FRANCISCO
Turn around time: N/A

Sample Receipt

N/A (Received on Site)

Sample Name	Field Point Name	Depth	Time	Date	Sample Type	Container Type	TPH gas	TPH ex	8021 fo	8021 fo	418.1 T	BTEX /	Oxygen	VOC's	VOC's	Methan	Fixed G	V	Pre	Fin	Total #
C506010-01	SG1-5	5'	0745	6/20	Vapor	Syringe								X					84cc	0747	1
-02	SG2-5	5'	0810											X					84cc	0812	1
-03	SG3-5	5'	0822											X					84cc	0824	1
-04	SG4-5	5'	0850											X					84cc	0853	1
-05	SG5-5	5'	0900											X					84cc	0903	1
-06	SG8-5	5'	0915											X					84cc	0917	1
-07	SG6-5	5'	0925											X					84cc	0927	1
-08	SG7-5	5'	0935											X					84cc	0937	1
-09	SG9-5	5'	0945											X					84cc	0949	1
-10	SG9-5 Duplicate	5'	0946											X					144cc	0950	1
-11	SG17-5	5'	1015											X					84cc	1016	1
-12	SG15-5	5'	1035											X					84cc	1038	1
-13	SG16-5	5'	1050											X					84cc	1053	1
-14	SG11-5	5'	1215											X					84cc	1217	1

Time:

Time:

Time:

☐ Pickup

Date: JUNE 20th, 2005
H&P Project # SCS062005-SB2
Outside Lab: NIA

☐ 148 S. Vinewood St., Escondido, CA 92029 • ph 760.735.3208 • fax 760.735.2469
☐ 432 N. Cedros Ave., Solana Beach, CA 92075 • ph 858.793.0401 • fax 858.793.0404
☐ 3825 Industry Avenue, Lakewood, CA 90712 • ph 562.426.6991 • fax 562.426.6995

Date: JUNE 20th, 2005
H&P Project # SCS062005-SB2
Outside Lab: NIA

Client: SCS
Address: 3900 Kiley Airport Way, Suite 100
Long Beach, Ca 90806
Phone: (562) 426-9544 Fax: (562) 427-0805

Collector: KURT Page: 2 Of 2
Client Project # 01204007.02 Project Manager KEVIN GREEN
Location: W 16th x 1601 SAN FRANCISCO
Turn around time: N/A

Global ID: EDF: Yes / No

Sample Receipt

Intact: ☒ Yes ☐ No
Seal Intact: ☐ Yes ☐ No ☒ N/A
Cold: ☐ Yes ☐ No
N/A (Received on Site)

[illegible]

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction:

☐ Disposal @ \$2.00 each☐ *Return to client*☐ Pickup

Chain of Custody Record

Date: JUNE 21st, 2005H&P Project # SCS062005-3B2Outside Lab: N/A

- ☐ 148 S. Vinewood St., Escondido, CA 92029 • ph 760.735.3208 • fax 760.735.2469
- ☐ 432 N. Cedros Ave., Solana Beach, CA 92075 • ph 858.793.0401 • fax 858.793.0404
- ☐ 3825 Industry Avenue, Lakewood, CA 90712 • ph 562.426.6991 • fax 562.426.6995

Client: SCS

Address: 3900 Kiley Airport Way, Suite 100
Long Beach, Ca 90806

Phone: (562) 426-9544 Fax: (562) 426-9544

Collector: Kurt, Russ Page: 1 Of 1

Client Project # 01204007.02 Project Manager KEVIN GREEN

Location: 1601 SAN FRANCISCO, LONG BEACH

Turn around time: N/A

Global ID: _____ EDF: Yes / No					Sample Receipt		8260B												Total # of containers	
Sample Name	Field Point Name	Depth	Time	Date	Sample Type	Container Type	TPH gasoline / diesel	TPH extended	8021 for BTEX/MTBE	8021 for Halogenated compounds	418.1 TRPH	BTEX / Oxygenates	Oxygenates	VOC's LARWOOD	VOC's and Oxygenates	Methane	Fixed Gases	Prep		Time
C506011-01	SG21-5	5'	0715	6/21	Vapor	Syringe								X				84cc	0717	1
-02	SG20-5	5'	0725											X				84cc	0728	1
-03	1 Duplicate	5'	0726											X				84cc	0729	1
-04	SG19-5	5'	0742											X				84cc	0745	1
-05	SG18-5	5'	0755											X				84cc	0758	1
-06	SG25-5	5'	0810											X				84cc	0813	1
-07	SG23-5	5'	0830											X				84cc	0833	1
-08	SG22-5	5'	0841											X				21cc	0845	1
-09	SG26-5	5'	0905											X				21cc	0908	1
-10	SG24-5	5'	0920											X				84cc	0923	1
-11	SG27-5	5'	0930											X				84cc	0933	0930 1
-12	SG28-5	5'	0940											X				84cc	0942	1
-13	SG29-5	5'	0950											X				84cc	0953	1
-14	SG30-5	5'	1005											X				84cc	1008	1
Relinquished by: (Signature) <u>[Signature]</u> (company) <u>SCS</u>					Received by: (Signature) <u>[Signature]</u> (company) <u>H&P</u>					Date: <u>6/21/05</u>					Time: <u>1215</u>					
Relinquished by: (Signature) _____ (company) _____					Received by: (Signature) _____ (company) _____					Date: _____					Time: _____					
Relinquished by: (Signature) _____ (company) _____					Received by: (Signature) _____ (company) _____					Date: _____					Time: _____					

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction:

☐ Disposal @ \$2.00 each☐ Return to client☐ Pickup

APPENDIX B

**ADVANCED TECHNOLOGY LABORATORIES REPORTS
FOR SOIL SAMPLES**

July 01, 2005



Kevin Green
SCS Engineers
3900 Kilroy Airport Way, Suite 100
Long Beach, CA 90806-6816

ELAP No.: 1838
NELAP No.: 02107CA
CSDLAC No.: 10196

TEL: (562) 426-9544
FAX: (562) 427-0805

Workorder No.: 077298

RE: Long Beach Public Service Yard, 01204007.02

Attention: Kevin Green

Enclosed are the results for sample(s) received on June 22, 2005 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

The cover letter is an integral part of this analytical report. This Laboratory Report cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT: SCS Engineers

Client Sample ID: B1-5

Lab Order: 077298

Project: Long Beach Public Service Yard, 01204007.02

Collection Date: 6/21/2005

Lab ID: 077298-002

Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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ICP METALS

(EPA 3050B)

EPA 6010B

RunID: ICP6_050628A	QC Batch: 23346	PrepDate: 6/27/2005	Analyst: RQ		
Antimony	ND	2.0	mg/Kg	1	6/28/2005
Arsenic	1.8	1.0	mg/Kg	1	6/28/2005
Barium	95	1.0	mg/Kg	1	6/28/2005
Beryllium	ND	1.0	mg/Kg	1	6/28/2005
Cadmium	ND	1.0	mg/Kg	1	6/28/2005
Chromium	11	1.0	mg/Kg	1	6/28/2005
Cobalt	5.7	1.0	mg/Kg	1	6/28/2005
Copper	11	2.0	mg/Kg	1	6/28/2005
Lead	14	1.0	mg/Kg	1	6/28/2005
Molybdenum	ND	1.0	mg/Kg	1	6/28/2005
Nickel	7.0	1.0	mg/Kg	1	6/28/2005
Selenium	1.1	1.0	mg/Kg	1	6/28/2005
Silver	ND	1.0	mg/Kg	1	6/28/2005
Thallium	ND	1.0	mg/Kg	1	6/28/2005
Vanadium	21	1.0	mg/Kg	1	6/28/2005
Zinc	82	1.0	mg/Kg	1	6/28/2005

MERCURY BY COLD VAPOR TECHNIQUE

(EPA 7471)

EPA 7471A

RunID: AA1_050628B	QC Batch: 23350	PrepDate: 6/27/2005	Analyst: JT		
Mercury	ND	0.10	mg/Kg	1	6/28/2005

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

DO - Surrogate Diluted Out

H-Samples exceeding holding time

Page 1 of 25

Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT: SCS Engineers

Client Sample ID: B10-1

Lab Order: 077298

Project: Long Beach Public Service Yard, 01204007.02

Collection Date: 6/21/2005

Lab ID: 077298-004

Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
---------	--------	-----	------	-------	----	---------------

ICP METALS

(EPA 3050B)

EPA 6010B

RunID: ICP6_050628A	QC Batch: 23346	PrepDate: 6/27/2005	Analyst: RQ		
Antimony	ND	2.0	mg/Kg	1	6/28/2005
Arsenic	1.1	1.0	mg/Kg	1	6/28/2005
Barium	170	1.0	mg/Kg	1	6/28/2005
Beryllium	ND	1.0	mg/Kg	1	6/28/2005
Cadmium	ND	1.0	mg/Kg	1	6/28/2005
Chromium	21	1.0	mg/Kg	1	6/28/2005
Cobalt	11	1.0	mg/Kg	1	6/28/2005
Copper	50	2.0	mg/Kg	1	6/28/2005
Lead	110	1.0	mg/Kg	1	6/28/2005
Molybdenum	ND	1.0	mg/Kg	1	6/28/2005
Nickel	21	1.0	mg/Kg	1	6/28/2005
Selenium	2.0	1.0	mg/Kg	1	6/28/2005
Silver	ND	1.0	mg/Kg	1	6/28/2005
Thallium	ND	1.0	mg/Kg	1	6/28/2005
Vanadium	37	1.0	mg/Kg	1	6/28/2005
Zinc	300	1.0	mg/Kg	1	6/28/2005

MERCURY BY COLD VAPOR TECHNIQUE

(EPA 7471)

EPA 7471A

RunID: AA1_050628B	QC Batch: 23350	PrepDate: 6/27/2005	Analyst: JT		
Mercury	0.23	0.10	mg/Kg	1	6/28/2005

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceeding holding time

Page 2 of 25

Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT:	SCS Engineers	Client Sample ID:	B11-1
Lab Order:	077298		
Project:	Long Beach Public Service Yard, 01204007.02	Collection Date:	6/21/2005
Lab ID:	077298-006	Matrix:	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
---------	--------	-----	------	-------	----	---------------

ICP METALS

(EPA 3050B)

EPA 6010B

RunID: ICP6_050628A	QC Batch: 23346	PrepDate: 6/27/2005	Analyst: RQ		
Antimony	ND	2.0	mg/Kg	1	6/28/2005
Arsenic	1.3	1.0	mg/Kg	1	6/28/2005
Barium	120	1.0	mg/Kg	1	6/28/2005
Beryllium	ND	1.0	mg/Kg	1	6/28/2005
Cadmium	ND	1.0	mg/Kg	1	6/28/2005
Chromium	19	1.0	mg/Kg	1	6/28/2005
Cobalt	11	1.0	mg/Kg	1	6/28/2005
Copper	24	2.0	mg/Kg	1	6/28/2005
Lead	5.8	1.0	mg/Kg	1	6/28/2005
Molybdenum	ND	1.0	mg/Kg	1	6/28/2005
Nickel	15	1.0	mg/Kg	1	6/28/2005
Selenium	1.5	1.0	mg/Kg	1	6/28/2005
Silver	ND	1.0	mg/Kg	1	6/28/2005
Thallium	ND	1.0	mg/Kg	1	6/28/2005
Vanadium	38	1.0	mg/Kg	1	6/28/2005
Zinc	51	1.0	mg/Kg	1	6/28/2005

MERCURY BY COLD VAPOR TECHNIQUE

(EPA 7471)

EPA 7471A

RunID: AA1_050628B	QC Batch: 23350	PrepDate: 6/27/2005	Analyst: JT		
Mercury	ND	0.10	mg/Kg	1	6/28/2005

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	E - Value above quantitation range
	DO - Surrogate Diluted Out	H-Samples exceeding holding time

Page 3 of 25

Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT: SCS Engineers

Client Sample ID: B18-1

Lab Order: 077298

Project: Long Beach Public Service Yard, 01204007.02

Collection Date: 6/21/2005

Lab ID: 077298-009

Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
---------	--------	-----	------	-------	----	---------------

ICP METALS

(EPA 3050B)

EPA 6010B

RunID: ICP6_050628A	QC Batch: 23346	PrepDate: 6/27/2005	Analyst: RQ		
Antimony	ND	2.0	mg/Kg	1	6/28/2005
Arsenic	7.4	1.0	mg/Kg	1	6/28/2005
Barium	160	1.0	mg/Kg	1	6/28/2005
Beryllium	ND	1.0	mg/Kg	1	6/28/2005
Cadmium	ND	1.0	mg/Kg	1	6/28/2005
Chromium	27	1.0	mg/Kg	1	6/28/2005
Cobalt	15	1.0	mg/Kg	1	6/28/2005
Copper	52	2.0	mg/Kg	1	6/28/2005
Lead	15	1.0	mg/Kg	1	6/28/2005
Molybdenum	ND	1.0	mg/Kg	1	6/28/2005
Nickel	21	1.0	mg/Kg	1	6/28/2005
Selenium	1.9	1.0	mg/Kg	1	6/28/2005
Silver	ND	1.0	mg/Kg	1	6/28/2005
Thallium	ND	1.0	mg/Kg	1	6/28/2005
Vanadium	54	1.0	mg/Kg	1	6/28/2005
Zinc	77	1.0	mg/Kg	1	6/28/2005

HYDROCARBON CHAIN IDENTIFICATION

(LUFT)

EPA 8015B(M)

RunID: GC7_050624A	QC Batch: 23318	PrepDate: 6/24/2005	Analyst: CBR		
T/R Hydrocarbons: C13-C22	ND	10	mg/Kg	1	6/24/2005

HYDROCARBON CHAIN IDENTIFICATION

(LUFT)

EPA 8015B

RunID: GC7_050624A	QC Batch: 23318	PrepDate: 6/24/2005	Analyst: CBR		
T/R Hydrocarbons: >C32	ND	10	mg/Kg	1	6/24/2005
T/R Hydrocarbons: C23-C32	ND	10	mg/Kg	1	6/24/2005

HYDROCARBON CHAIN IDENTIFICATION

EPA 8015B

RunID: GC2_050623A	QC Batch: E05VS163	PrepDate:	Analyst: TT		
T/R Hydrocarbons: C4-C12	ND	1.0	mg/Kg	1	6/23/2005

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceeding holding time

Page 4 of 25

Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT: SCS Engineers

Client Sample ID: B18-1

Lab Order: 077298

Project: Long Beach Public Service Yard, 01204007.02

Collection Date: 6/21/2005

Lab ID: 077298-009

Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
---------	--------	-----	------	-------	----	---------------

MERCURY BY COLD VAPOR TECHNIQUE

(EPA 7471)

EPA 7471A

RunID: AA1_050628B

QC Batch: 23350

PrepDate: 6/27/2005

Analyst: JT

Mercury

0.21

0.10

mg/Kg

1

6/28/2005

Qualifiers:

ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

DO - Surrogate Diluted Out

H-Samples exceeding holding time

Page 5 of 25

Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT: SCS Engineers

Client Sample ID: B24-5

Lab Order: 077298

Project: Long Beach Public Service Yard, 01204007.02

Collection Date: 6/21/2005

Lab ID: 077298-011

Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
---------	--------	-----	------	-------	----	---------------

**HYDROCARBON CHAIN IDENTIFICATION
(LUFT)****EPA 8015B(M)**

RunID: GC7_050624A	QC Batch: 23318	PrepDate: 6/24/2005	Analyst: CBR		
T/R Hydrocarbons: C13-C22	ND	10	mg/Kg	1	6/24/2005

**HYDROCARBON CHAIN IDENTIFICATION
(LUFT)****EPA 8015B**

RunID: GC7_050624A	QC Batch: 23318	PrepDate: 6/24/2005	Analyst: CBR		
T/R Hydrocarbons: >C32	ND	10	mg/Kg	1	6/24/2005
T/R Hydrocarbons: C23-C32	ND	10	mg/Kg	1	6/24/2005

HYDROCARBON CHAIN IDENTIFICATION**EPA 8015B**

RunID: GC2_050623A	QC Batch: E05VS163	PrepDate:	Analyst: TT		
T/R Hydrocarbons: C4-C12	ND	1.0	mg/Kg	1	6/23/2005

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceeding holding time

Page 6 of 25

Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT: SCS Engineers**Client Sample ID:** B24-10**Lab Order:** 077298**Project:** Long Beach Public Service Yard, 01204007.02**Collection Date:** 6/21/2005**Lab ID:** 077298-012**Matrix:** SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
---------	--------	-----	------	-------	----	---------------

**HYDROCARBON CHAIN IDENTIFICATION
(LUFT)****EPA 8015B(M)**

RunID: GC7_BACK_050624B	QC Batch: 23319				PrepDate: 6/24/2005	Analyst: CBR
T/R Hydrocarbons: C13-C22	2200	10		mg/Kg	1	6/24/2005

**HYDROCARBON CHAIN IDENTIFICATION
(LUFT)****EPA 8015B**

RunID: GC7_BACK_050624B	QC Batch: 23319				PrepDate: 6/24/2005	Analyst: CBR
T/R Hydrocarbons: >C32	16	10		mg/Kg	1	6/24/2005
T/R Hydrocarbons: C23-C32	42	10		mg/Kg	1	6/24/2005

HYDROCARBON CHAIN IDENTIFICATION**EPA 8015B**

RunID: GC2_050623A	QC Batch: E05VS163				PrepDate:	Analyst: TT
T/R Hydrocarbons: C4-C12	290	50		mg/Kg	50	6/23/2005

VOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 8260B**

RunID: MS3_050627A	QC Batch: R05VS082				PrepDate:	Analyst: HH
1,1,1,2-Tetrachloroethane	ND	250		µg/Kg	50	6/27/2005
1,1,1-Trichloroethane	ND	250		µg/Kg	50	6/27/2005
1,1,2,2-Tetrachloroethane	ND	250		µg/Kg	50	6/27/2005
1,1,2-Trichloroethane	ND	250		µg/Kg	50	6/27/2005
1,1-Dichloroethane	ND	250		µg/Kg	50	6/27/2005
1,1-Dichloroethene	ND	250		µg/Kg	50	6/27/2005
1,1-Dichloropropene	ND	250		µg/Kg	50	6/27/2005
1,2,3-Trichlorobenzene	ND	250		µg/Kg	50	6/27/2005
1,2,3-Trichloropropane	ND	250		µg/Kg	50	6/27/2005
1,2,4-Trichlorobenzene	ND	250		µg/Kg	50	6/27/2005
1,2,4-Trimethylbenzene	ND	250		µg/Kg	50	6/27/2005
1,2-Dibromo-3-chloropropane	ND	500		µg/Kg	50	6/27/2005
1,2-Dibromoethane	ND	250		µg/Kg	50	6/27/2005
1,2-Dichlorobenzene	ND	250		µg/Kg	50	6/27/2005
1,2-Dichloroethane	ND	250		µg/Kg	50	6/27/2005
1,2-Dichloropropane	ND	250		µg/Kg	50	6/27/2005
1,3,5-Trimethylbenzene	ND	250		µg/Kg	50	6/27/2005
1,3-Dichlorobenzene	ND	250		µg/Kg	50	6/27/2005
1,3-Dichloropropane	ND	250		µg/Kg	50	6/27/2005

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

DO - Surrogate Diluted Out

H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT: SCS Engineers

Client Sample ID: B24-10

Lab Order: 077298

Project: Long Beach Public Service Yard, 01204007.02

Collection Date: 6/21/2005

Lab ID: 077298-012

Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS3_050627A QC Batch: R05VS082 PrepDate: Analyst: HH

1,4-Dichlorobenzene	ND	250	µg/Kg	50	6/27/2005
2,2-Dichloropropane	ND	250	µg/Kg	50	6/27/2005
2-Chlorotoluene	ND	250	µg/Kg	50	6/27/2005
4-Chlorotoluene	ND	250	µg/Kg	50	6/27/2005
4-Isopropyltoluene	ND	250	µg/Kg	50	6/27/2005
Benzene	ND	250	µg/Kg	50	6/27/2005
Bromobenzene	ND	250	µg/Kg	50	6/27/2005
Bromodichloromethane	ND	250	µg/Kg	50	6/27/2005
Bromoform	ND	250	µg/Kg	50	6/27/2005
Bromomethane	ND	250	µg/Kg	50	6/27/2005
Carbon tetrachloride	ND	250	µg/Kg	50	6/27/2005
Chlorobenzene	ND	250	µg/Kg	50	6/27/2005
Chloroethane	ND	250	µg/Kg	50	6/27/2005
Chloroform	ND	250	µg/Kg	50	6/27/2005
Chloromethane	ND	250	µg/Kg	50	6/27/2005
cis-1,2-Dichloroethene	ND	250	µg/Kg	50	6/27/2005
cis-1,3-Dichloropropene	ND	250	µg/Kg	50	6/27/2005
Di-isopropyl ether	ND	250	µg/Kg	50	6/27/2005
Dibromochloromethane	ND	250	µg/Kg	50	6/27/2005
Dibromomethane	ND	250	µg/Kg	50	6/27/2005
Dichlorodifluoromethane	ND	250	µg/Kg	50	6/27/2005
Ethyl Tert-butyl ether	ND	250	µg/Kg	50	6/27/2005
Ethylbenzene	ND	250	µg/Kg	50	6/27/2005
Hexachlorobutadiene	ND	250	µg/Kg	50	6/27/2005
Isopropylbenzene	ND	250	µg/Kg	50	6/27/2005
m,p-Xylene	ND	500	µg/Kg	50	6/27/2005
Methylene chloride	ND	250	µg/Kg	50	6/27/2005
MTBE	ND	250	µg/Kg	50	6/27/2005
n-Butylbenzene	ND	250	µg/Kg	50	6/27/2005
n-Propylbenzene	310	250	µg/Kg	50	6/27/2005
Naphthalene	ND	250	µg/Kg	50	6/27/2005
o-Xylene	ND	250	µg/Kg	50	6/27/2005
sec-Butylbenzene	1000	250	µg/Kg	50	6/27/2005
Styrene	ND	250	µg/Kg	50	6/27/2005
Tert-amyl methyl ether	ND	250	µg/Kg	50	6/27/2005
Tert-Butanol	ND	5000	µg/Kg	50	6/27/2005

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

DO - Surrogate Diluted Out

H-Samples exceeding holding time

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Results are wet unless otherwise specified



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Laboratories

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3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT: SCS Engineers

Client Sample ID: B24-10

Lab Order: 077298

Project: Long Beach Public Service Yard, 01204007.02

Collection Date: 6/21/2005

Lab ID: 077298-012

Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 8260B**

RunID: MS3_050627A

QC Batch: R05VS082

PrepDate:

Analyst: HH

tert-Butylbenzene	ND	250	µg/Kg	50	6/27/2005
Tetrachloroethene	ND	250	µg/Kg	50	6/27/2005
Toluene	ND	250	µg/Kg	50	6/27/2005
trans-1,2-Dichloroethene	ND	250	µg/Kg	50	6/27/2005
Trichloroethene	ND	250	µg/Kg	50	6/27/2005
Trichlorofluoromethane	ND	250	µg/Kg	50	6/27/2005
Vinyl chloride	ND	250	µg/Kg	50	6/27/2005

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT:	SCS Engineers	Client Sample ID:	B25-1
Lab Order:	077298		
Project:	Long Beach Public Service Yard, 01204007.02	Collection Date:	6/21/2005
Lab ID:	077298-013	Matrix:	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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HYDROCARBON CHAIN IDENTIFICATION

(LUFT)

EPA 8015B(M)

RunID:	GC7_BACK_050624B	QC Batch:	23319	PrepDate:	6/24/2005	Analyst:	CBR
T/R Hydrocarbons:	C13-C22	ND	10	mg/Kg	1		6/24/2005

HYDROCARBON CHAIN IDENTIFICATION

(LUFT)

EPA 8015B

RunID:	GC7_BACK_050624B	QC Batch:	23319	PrepDate:	6/24/2005	Analyst:	CBR
T/R Hydrocarbons:	>C32	ND	10	mg/Kg	1		6/24/2005
T/R Hydrocarbons:	C23-C32	ND	10	mg/Kg	1		6/24/2005

HYDROCARBON CHAIN IDENTIFICATION**EPA 8015B**

RunID:	GC2_050623A	QC Batch:	E05VS163	PrepDate:		Analyst:	TT
T/R Hydrocarbons:	C4-C12	ND	1.0	mg/Kg	1		6/23/2005

VOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 8260B**

RunID:	MS3_050627A	QC Batch:	R05VS082	PrepDate:		Analyst:	HH
1,1,1,2-Tetrachloroethane	ND	5.0	µg/Kg	1			6/27/2005
1,1,1-Trichloroethane	ND	5.0	µg/Kg	1			6/27/2005
1,1,2,2-Tetrachloroethane	ND	5.0	µg/Kg	1			6/27/2005
1,1,2-Trichloroethane	ND	5.0	µg/Kg	1			6/27/2005
1,1-Dichloroethane	ND	5.0	µg/Kg	1			6/27/2005
1,1-Dichloroethene	ND	5.0	µg/Kg	1			6/27/2005
1,1-Dichloropropene	ND	5.0	µg/Kg	1			6/27/2005
1,2,3-Trichlorobenzene	ND	5.0	µg/Kg	1			6/27/2005
1,2,3-Trichloropropane	ND	5.0	µg/Kg	1			6/27/2005
1,2,4-Trichlorobenzene	ND	5.0	µg/Kg	1			6/27/2005
1,2,4-Trimethylbenzene	ND	5.0	µg/Kg	1			6/27/2005
1,2-Dibromo-3-chloropropane	ND	10	µg/Kg	1			6/27/2005
1,2-Dibromoethane	ND	5.0	µg/Kg	1			6/27/2005
1,2-Dichlorobenzene	ND	5.0	µg/Kg	1			6/27/2005
1,2-Dichloroethane	ND	5.0	µg/Kg	1			6/27/2005
1,2-Dichloropropane	ND	5.0	µg/Kg	1			6/27/2005
1,3,5-Trimethylbenzene	ND	5.0	µg/Kg	1			6/27/2005
1,3-Dichlorobenzene	ND	5.0	µg/Kg	1			6/27/2005
1,3-Dichloropropane	ND	5.0	µg/Kg	1			6/27/2005

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT: SCS Engineers **Client Sample ID:** B25-1
Lab Order: 077298
Project: Long Beach Public Service Yard, 01204007.02 **Collection Date:** 6/21/2005
Lab ID: 077298-013 **Matrix:** SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID:	MS3_050627A	QC Batch:	R05VS082	PrepDate:	Analyst: HH
1,4-Dichlorobenzene	ND	5.0	µg/Kg	1	6/27/2005
2,2-Dichloropropane	ND	5.0	µg/Kg	1	6/27/2005
2-Chlorotoluene	ND	5.0	µg/Kg	1	6/27/2005
4-Chlorotoluene	ND	5.0	µg/Kg	1	6/27/2005
4-Isopropyltoluene	ND	5.0	µg/Kg	1	6/27/2005
Benzene	ND	5.0	µg/Kg	1	6/27/2005
Bromobenzene	ND	5.0	µg/Kg	1	6/27/2005
Bromodichloromethane	ND	5.0	µg/Kg	1	6/27/2005
Bromoform	ND	5.0	µg/Kg	1	6/27/2005
Bromomethane	ND	5.0	µg/Kg	1	6/27/2005
Carbon tetrachloride	ND	5.0	µg/Kg	1	6/27/2005
Chlorobenzene	ND	5.0	µg/Kg	1	6/27/2005
Chloroethane	ND	5.0	µg/Kg	1	6/27/2005
Chloroform	ND	5.0	µg/Kg	1	6/27/2005
Chloromethane	ND	5.0	µg/Kg	1	6/27/2005
cis-1,2-Dichloroethene	ND	5.0	µg/Kg	1	6/27/2005
cis-1,3-Dichloropropene	ND	5.0	µg/Kg	1	6/27/2005
Di-isopropyl ether	ND	5.0	µg/Kg	1	6/27/2005
Dibromochloromethane	ND	5.0	µg/Kg	1	6/27/2005
Dibromomethane	ND	5.0	µg/Kg	1	6/27/2005
Dichlorodifluoromethane	ND	5.0	µg/Kg	1	6/27/2005
Ethyl Tert-butyl ether	ND	5.0	µg/Kg	1	6/27/2005
Ethylbenzene	ND	5.0	µg/Kg	1	6/27/2005
Hexachlorobutadiene	ND	5.0	µg/Kg	1	6/27/2005
Isopropylbenzene	ND	5.0	µg/Kg	1	6/27/2005
m,p-Xylene	ND	10	µg/Kg	1	6/27/2005
Methylene chloride	ND	5.0	µg/Kg	1	6/27/2005
MTBE	ND	5.0	µg/Kg	1	6/27/2005
n-Butylbenzene	ND	5.0	µg/Kg	1	6/27/2005
n-Propylbenzene	ND	5.0	µg/Kg	1	6/27/2005
Naphthalene	ND	5.0	µg/Kg	1	6/27/2005
o-Xylene	ND	5.0	µg/Kg	1	6/27/2005
sec-Butylbenzene	ND	5.0	µg/Kg	1	6/27/2005
Styrene	ND	5.0	µg/Kg	1	6/27/2005
Tert-amyl methyl ether	ND	5.0	µg/Kg	1	6/27/2005
Tert-Butanol	ND	100	µg/Kg	1	6/27/2005

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank E - Value above quantitation range
 DO - Surrogate Diluted Out H-Samples exceeding holding time

Results are wet unless otherwise specified

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Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT:	SCS Engineers	Client Sample ID:	B25-1
Lab Order:	077298		
Project:	Long Beach Public Service Yard, 01204007.02	Collection Date:	6/21/2005
Lab ID:	077298-013	Matrix:	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 8260B**

RunID: MS3_050627A	QC Batch: R05VS082	PrepDate:	Analyst: HH		
tert-Butylbenzene	ND	5.0	µg/Kg	1	6/27/2005
Tetrachloroethene	ND	5.0	µg/Kg	1	6/27/2005
Toluene	ND	5.0	µg/Kg	1	6/27/2005
trans-1,2-Dichloroethene	ND	5.0	µg/Kg	1	6/27/2005
Trichloroethene	ND	5.0	µg/Kg	1	6/27/2005
Trichlorofluoromethane	ND	5.0	µg/Kg	1	6/27/2005
Vinyl chloride	ND	5.0	µg/Kg	1	6/27/2005

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	E - Value above quantitation range
	DO - Surrogate Diluted Out	H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT: SCS Engineers

Client Sample ID: B25-5

Lab Order: 077298

Project: Long Beach Public Service Yard, 01204007.02

Collection Date: 6/21/2005

Lab ID: 077298-014

Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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HYDROCARBON CHAIN IDENTIFICATION (LUFT)

EPA 8015B(M)

RunID: GC7_BACK_050624B	QC Batch: 23319				PrepDate: 6/24/2005	Analyst: CBR
T/R Hydrocarbons: C13-C22	ND	10		mg/Kg	1	6/24/2005

HYDROCARBON CHAIN IDENTIFICATION (LUFT)

EPA 8015B

RunID: GC7_BACK_050624B	QC Batch: 23319				PrepDate: 6/24/2005	Analyst: CBR
T/R Hydrocarbons: >C32	ND	10		mg/Kg	1	6/24/2005
T/R Hydrocarbons: C23-C32	ND	10		mg/Kg	1	6/24/2005

HYDROCARBON CHAIN IDENTIFICATION

EPA 8015B

RunID: GC2_050623A	QC Batch: E05VS163				PrepDate:	Analyst: TT
T/R Hydrocarbons: C4-C12	ND	1.0		mg/Kg	1	6/23/2005

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS3_050627A	QC Batch: R05VS082				PrepDate:	Analyst: HH
1,1,1,2-Tetrachloroethane	ND	5.0		µg/Kg	1	6/27/2005
1,1,1-Trichloroethane	ND	5.0		µg/Kg	1	6/27/2005
1,1,2,2-Tetrachloroethane	ND	5.0		µg/Kg	1	6/27/2005
1,1,2-Trichloroethane	ND	5.0		µg/Kg	1	6/27/2005
1,1-Dichloroethane	ND	5.0		µg/Kg	1	6/27/2005
1,1-Dichloroethene	ND	5.0		µg/Kg	1	6/27/2005
1,1-Dichloropropene	ND	5.0		µg/Kg	1	6/27/2005
1,2,3-Trichlorobenzene	ND	5.0		µg/Kg	1	6/27/2005
1,2,3-Trichloropropane	ND	5.0		µg/Kg	1	6/27/2005
1,2,4-Trichlorobenzene	ND	5.0		µg/Kg	1	6/27/2005
1,2,4-Trimethylbenzene	ND	5.0		µg/Kg	1	6/27/2005
1,2-Dibromo-3-chloropropane	ND	10		µg/Kg	1	6/27/2005
1,2-Dibromoethane	ND	5.0		µg/Kg	1	6/27/2005
1,2-Dichlorobenzene	ND	5.0		µg/Kg	1	6/27/2005
1,2-Dichloroethane	ND	5.0		µg/Kg	1	6/27/2005
1,2-Dichloropropane	ND	5.0		µg/Kg	1	6/27/2005
1,3,5-Trimethylbenzene	ND	5.0		µg/Kg	1	6/27/2005
1,3-Dichlorobenzene	ND	5.0		µg/Kg	1	6/27/2005
1,3-Dichloropropane	ND	5.0		µg/Kg	1	6/27/2005

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceeding holding time

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Results are wet unless otherwise specified



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Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT: SCS Engineers**Client Sample ID:** B25-5**Lab Order:** 077298**Project:** Long Beach Public Service Yard, 01204007.02**Collection Date:** 6/21/2005**Lab ID:** 077298-014**Matrix:** SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 8260B**

RunID: MS3_050627A	QC Batch: R05VS082	PrepDate:	Analyst: HH		
1,4-Dichlorobenzene	ND	5.0	µg/Kg	1	6/27/2005
2,2-Dichloropropane	ND	5.0	µg/Kg	1	6/27/2005
2-Chlorotoluene	ND	5.0	µg/Kg	1	6/27/2005
4-Chlorotoluene	ND	5.0	µg/Kg	1	6/27/2005
4-Isopropyltoluene	ND	5.0	µg/Kg	1	6/27/2005
Benzene	ND	5.0	µg/Kg	1	6/27/2005
Bromobenzene	ND	5.0	µg/Kg	1	6/27/2005
Bromodichloromethane	ND	5.0	µg/Kg	1	6/27/2005
Bromoform	ND	5.0	µg/Kg	1	6/27/2005
Bromomethane	ND	5.0	µg/Kg	1	6/27/2005
Carbon tetrachloride	ND	5.0	µg/Kg	1	6/27/2005
Chlorobenzene	ND	5.0	µg/Kg	1	6/27/2005
Chloroethane	ND	5.0	µg/Kg	1	6/27/2005
Chloroform	ND	5.0	µg/Kg	1	6/27/2005
Chloromethane	ND	5.0	µg/Kg	1	6/27/2005
cis-1,2-Dichloroethene	ND	5.0	µg/Kg	1	6/27/2005
cis-1,3-Dichloropropene	ND	5.0	µg/Kg	1	6/27/2005
Di-isopropyl ether	ND	5.0	µg/Kg	1	6/27/2005
Dibromochloromethane	ND	5.0	µg/Kg	1	6/27/2005
Dibromomethane	ND	5.0	µg/Kg	1	6/27/2005
Dichlorodifluoromethane	ND	5.0	µg/Kg	1	6/27/2005
Ethyl Tert-butyl ether	ND	5.0	µg/Kg	1	6/27/2005
Ethylbenzene	ND	5.0	µg/Kg	1	6/27/2005
Hexachlorobutadiene	ND	5.0	µg/Kg	1	6/27/2005
Isopropylbenzene	ND	5.0	µg/Kg	1	6/27/2005
m,p-Xylene	ND	10	µg/Kg	1	6/27/2005
Methylene chloride	ND	5.0	µg/Kg	1	6/27/2005
MTBE	ND	5.0	µg/Kg	1	6/27/2005
n-Butylbenzene	ND	5.0	µg/Kg	1	6/27/2005
n-Propylbenzene	ND	5.0	µg/Kg	1	6/27/2005
Naphthalene	ND	5.0	µg/Kg	1	6/27/2005
o-Xylene	ND	5.0	µg/Kg	1	6/27/2005
sec-Butylbenzene	ND	5.0	µg/Kg	1	6/27/2005
Styrene	ND	5.0	µg/Kg	1	6/27/2005
Tert-amyl methyl ether	ND	5.0	µg/Kg	1	6/27/2005
Tert-Butanol	ND	100	µg/Kg	1	6/27/2005

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

DO - Surrogate Diluted Out

H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT: SCS Engineers**Client Sample ID:** B25-5**Lab Order:** 077298**Project:** Long Beach Public Service Yard, 01204007.02**Collection Date:** 6/21/2005**Lab ID:** 077298-014**Matrix:** SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 8260B**

RunID: MS3_050627A

QC Batch: R05VS082

PrepDate:

Analyst: HH

tert-Butylbenzene	ND	5.0		µg/Kg	1	6/27/2005
Tetrachloroethene	ND	5.0		µg/Kg	1	6/27/2005
Toluene	ND	5.0		µg/Kg	1	6/27/2005
trans-1,2-Dichloroethene	ND	5.0		µg/Kg	1	6/27/2005
Trichloroethene	ND	5.0		µg/Kg	1	6/27/2005
Trichlorofluoromethane	ND	5.0		µg/Kg	1	6/27/2005
Vinyl chloride	ND	5.0		µg/Kg	1	6/27/2005

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

DO - Surrogate Diluted Out

H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT: SCS Engineers **Client Sample ID:** B25-10
Lab Order: 077298
Project: Long Beach Public Service Yard, 01204007.02 **Collection Date:** 6/21/2005
Lab ID: 077298-015 **Matrix:** SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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HYDROCARBON CHAIN IDENTIFICATION (LUFT)

EPA 8015B(M)

RunID: GC7_BACK_050624B	QC Batch: 23319				PrepDate: 6/24/2005	Analyst: CBR
T/R Hydrocarbons: C13-C22	480	10		mg/Kg	1	6/24/2005

HYDROCARBON CHAIN IDENTIFICATION (LUFT)

EPA 8015B

RunID: GC7_BACK_050624B	QC Batch: 23319				PrepDate: 6/24/2005	Analyst: CBR
T/R Hydrocarbons: >C32	ND	10		mg/Kg	1	6/24/2005
T/R Hydrocarbons: C23-C32	13	10		mg/Kg	1	6/24/2005

HYDROCARBON CHAIN IDENTIFICATION

EPA 8015B

RunID: GC2_050623A	QC Batch: E05VS163				PrepDate:	Analyst: TT
T/R Hydrocarbons: C4-C12	180	50		mg/Kg	50	6/23/2005

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS3_050627A	QC Batch: R05VS082				PrepDate:	Analyst: HH
1,1,1,2-Tetrachloroethane	ND	250		µg/Kg	50	6/27/2005
1,1,1-Trichloroethane	ND	250		µg/Kg	50	6/27/2005
1,1,2,2-Tetrachloroethane	ND	250		µg/Kg	50	6/27/2005
1,1,2-Trichloroethane	ND	250		µg/Kg	50	6/27/2005
1,1-Dichloroethane	ND	250		µg/Kg	50	6/27/2005
1,1-Dichloroethene	ND	250		µg/Kg	50	6/27/2005
1,1-Dichloropropene	ND	250		µg/Kg	50	6/27/2005
1,2,3-Trichlorobenzene	ND	250		µg/Kg	50	6/27/2005
1,2,3-Trichloropropane	ND	250		µg/Kg	50	6/27/2005
1,2,4-Trichlorobenzene	ND	250		µg/Kg	50	6/27/2005
1,2,4-Trimethylbenzene	ND	250		µg/Kg	50	6/27/2005
1,2-Dibromo-3-chloropropane	ND	500		µg/Kg	50	6/27/2005
1,2-Dibromoethane	ND	250		µg/Kg	50	6/27/2005
1,2-Dichlorobenzene	ND	250		µg/Kg	50	6/27/2005
1,2-Dichloroethane	ND	250		µg/Kg	50	6/27/2005
1,2-Dichloropropane	ND	250		µg/Kg	50	6/27/2005
1,3,5-Trimethylbenzene	ND	250		µg/Kg	50	6/27/2005
1,3-Dichlorobenzene	ND	250		µg/Kg	50	6/27/2005
1,3-Dichloropropane	ND	250		µg/Kg	50	6/27/2005

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank E - Value above quantitation range
 DO - Surrogate Diluted Out H-Samples exceeding holding time

Results are wet unless otherwise specified

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Advanced Technology
Laboratories

Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT: SCS Engineers

Client Sample ID: B25-10

Lab Order: 077298

Project: Long Beach Public Service Yard, 01204007.02

Collection Date: 6/21/2005

Lab ID: 077298-015

Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 8260B**

RunID: MS3_050627A

QC Batch: R05VS082

PrepDate:

Analyst: HH

1,4-Dichlorobenzene	ND	250	µg/Kg	50	6/27/2005
2,2-Dichloropropane	ND	250	µg/Kg	50	6/27/2005
2-Chlorotoluene	ND	250	µg/Kg	50	6/27/2005
4-Chlorotoluene	ND	250	µg/Kg	50	6/27/2005
4-Isopropyltoluene	ND	250	µg/Kg	50	6/27/2005
Benzene	ND	250	µg/Kg	50	6/27/2005
Bromobenzene	ND	250	µg/Kg	50	6/27/2005
Bromodichloromethane	ND	250	µg/Kg	50	6/27/2005
Bromoform	ND	250	µg/Kg	50	6/27/2005
Bromomethane	ND	250	µg/Kg	50	6/27/2005
Carbon tetrachloride	ND	250	µg/Kg	50	6/27/2005
Chlorobenzene	ND	250	µg/Kg	50	6/27/2005
Chloroethane	ND	250	µg/Kg	50	6/27/2005
Chloroform	ND	250	µg/Kg	50	6/27/2005
Chloromethane	ND	250	µg/Kg	50	6/27/2005
cis-1,2-Dichloroethene	ND	250	µg/Kg	50	6/27/2005
cis-1,3-Dichloropropene	ND	250	µg/Kg	50	6/27/2005
Di-isopropyl ether	ND	250	µg/Kg	50	6/27/2005
Dibromochloromethane	ND	250	µg/Kg	50	6/27/2005
Dibromomethane	ND	250	µg/Kg	50	6/27/2005
Dichlorodifluoromethane	ND	250	µg/Kg	50	6/27/2005
Ethyl Tert-butyl ether	ND	250	µg/Kg	50	6/27/2005
Ethylbenzene	ND	250	µg/Kg	50	6/27/2005
Hexachlorobutadiene	ND	250	µg/Kg	50	6/27/2005
Isopropylbenzene	520	250	µg/Kg	50	6/27/2005
m,p-Xylene	ND	500	µg/Kg	50	6/27/2005
Methylene chloride	ND	250	µg/Kg	50	6/27/2005
MTBE	ND	250	µg/Kg	50	6/27/2005
n-Butylbenzene	ND	250	µg/Kg	50	6/27/2005
n-Propylbenzene	1300	250	µg/Kg	50	6/27/2005
Naphthalene	2500	250	µg/Kg	50	6/27/2005
o-Xylene	ND	250	µg/Kg	50	6/27/2005
sec-Butylbenzene	1300	250	µg/Kg	50	6/27/2005
Styrene	ND	250	µg/Kg	50	6/27/2005
Tert-amyl methyl ether	ND	250	µg/Kg	50	6/27/2005
Tert-Butanol	ND	5000	µg/Kg	50	6/27/2005

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

DO - Surrogate Diluted Out

H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT: SCS Engineers**Client Sample ID:** B25-10**Lab Order:** 077298**Project:** Long Beach Public Service Yard, 01204007.02**Collection Date:** 6/21/2005**Lab ID:** 077298-015**Matrix:** SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 8260B**

RunID: MS3_050627A

QC Batch: R05VS082

PrepDate:

Analyst: HH

tert-Butylbenzene	ND	250		µg/Kg	50	6/27/2005
Tetrachloroethene	ND	250		µg/Kg	50	6/27/2005
Toluene	ND	250		µg/Kg	50	6/27/2005
trans-1,2-Dichloroethene	ND	250		µg/Kg	50	6/27/2005
Trichloroethene	ND	250		µg/Kg	50	6/27/2005
Trichlorofluoromethane	ND	250		µg/Kg	50	6/27/2005
Vinyl chloride	ND	250		µg/Kg	50	6/27/2005

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

DO - Surrogate Diluted Out

H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT:	SCS Engineers	Client Sample ID:	B25-GW
Lab Order:	077298		
Project:	Long Beach Public Service Yard, 01204007.02	Collection Date:	6/21/2005
Lab ID:	077298-016	Matrix:	WATER

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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HYDROCARBON CHAIN IDENTIFICATION

(EPA 3510C)

EPA 8015B(M)

RunID:	GC7_BACK_050628A	QC Batch:	23355	PrepDate:	6/28/2005	Analyst:	CBR
T/R Hydrocarbons:	C13-C22	2.6	0.20	mg/L	1	6/28/2005	

HYDROCARBON CHAIN IDENTIFICATION

(EPA 3510C)

EPA 8015B

RunID:	GC7_BACK_050628A	QC Batch:	23355	PrepDate:	6/28/2005	Analyst:	CBR
T/R Hydrocarbons:	>C32	ND	0.20	mg/L	1	6/28/2005	
T/R Hydrocarbons:	C23-C32	ND	0.20	mg/L	1	6/28/2005	

HYDROCARBON CHAIN IDENTIFICATION

EPA 8015B

RunID:	GC6_050624A	QC Batch:	I05VW121	PrepDate:		Analyst:	MFR
T/R Hydrocarbons:	C4-C12	0.24	0.20	mg/L	1	6/24/2005	

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID:	MS11_050628A	QC Batch:	A05VW187	PrepDate:		Analyst:	MFR
1,1,1,2-Tetrachloroethane	ND	5.0	µg/L	1	6/28/2005		
1,1,1-Trichloroethane	ND	5.0	µg/L	1	6/28/2005		
1,1,2,2-Tetrachloroethane	ND	5.0	µg/L	1	6/28/2005		
1,1,2-Trichloroethane	ND	5.0	µg/L	1	6/28/2005		
1,1-Dichloroethane	ND	5.0	µg/L	1	6/28/2005		
1,1-Dichloroethene	ND	5.0	µg/L	1	6/28/2005		
1,1-Dichloropropene	ND	5.0	µg/L	1	6/28/2005		
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1	6/28/2005		
1,2,3-Trichloropropane	ND	5.0	µg/L	1	6/28/2005		
1,2,4-Trichlorobenzene	ND	5.0	µg/L	1	6/28/2005		
1,2,4-Trimethylbenzene	ND	5.0	µg/L	1	6/28/2005		
1,2-Dibromo-3-chloropropane	ND	5.0	µg/L	1	6/28/2005		
1,2-Dibromoethane	ND	5.0	µg/L	1	6/28/2005		
1,2-Dichlorobenzene	ND	5.0	µg/L	1	6/28/2005		
1,2-Dichloroethane	ND	5.0	µg/L	1	6/28/2005		
1,2-Dichloropropane	ND	5.0	µg/L	1	6/28/2005		
1,3,5-Trimethylbenzene	ND	5.0	µg/L	1	6/28/2005		
1,3-Dichlorobenzene	ND	5.0	µg/L	1	6/28/2005		
1,3-Dichloropropane	ND	5.0	µg/L	1	6/28/2005		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT:	SCS Engineers	Client Sample ID:	B25-GW
Lab Order:	077298		
Project:	Long Beach Public Service Yard, 01204007.02	Collection Date:	6/21/2005
Lab ID:	077298-016	Matrix:	WATER

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 8260B**

RunID: MS11_050628A	QC Batch: A05VW187	PrepDate:	Analyst: MFR		
1,4-Dichlorobenzene	ND	5.0	µg/L	1	6/28/2005
2,2-Dichloropropane	ND	5.0	µg/L	1	6/28/2005
2-Chlorotoluene	ND	5.0	µg/L	1	6/28/2005
4-Chlorotoluene	ND	5.0	µg/L	1	6/28/2005
4-Isopropyltoluene	ND	5.0	µg/L	1	6/28/2005
Benzene	ND	5.0	µg/L	1	6/28/2005
Bromobenzene	ND	5.0	µg/L	1	6/28/2005
Bromodichloromethane	ND	5.0	µg/L	1	6/28/2005
Bromoform	ND	5.0	µg/L	1	6/28/2005
Bromomethane	ND	5.0	µg/L	1	6/28/2005
Carbon tetrachloride	ND	5.0	µg/L	1	6/28/2005
Chlorobenzene	ND	5.0	µg/L	1	6/28/2005
Chloroethane	ND	5.0	µg/L	1	6/28/2005
Chloroform	ND	5.0	µg/L	1	6/28/2005
Chloromethane	ND	5.0	µg/L	1	6/28/2005
cis-1,2-Dichloroethene	ND	5.0	µg/L	1	6/28/2005
cis-1,3-Dichloropropene	ND	5.0	µg/L	1	6/28/2005
Di-isopropyl ether	ND	5.0	µg/L	1	6/28/2005
Dibromochloromethane	ND	5.0	µg/L	1	6/28/2005
Dibromomethane	ND	5.0	µg/L	1	6/28/2005
Dichlorodifluoromethane	ND	5.0	µg/L	1	6/28/2005
Ethyl tert-butyl ether	ND	5.0	µg/L	1	6/28/2005
Ethylbenzene	ND	5.0	µg/L	1	6/28/2005
Hexachlorobutadiene	ND	5.0	µg/L	1	6/28/2005
Isopropylbenzene	ND	5.0	µg/L	1	6/28/2005
m,p-Xylene	ND	10	µg/L	1	6/28/2005
Methylene chloride	ND	5.0	µg/L	1	6/28/2005
MTBE	ND	5.0	µg/L	1	6/28/2005
n-Butylbenzene	ND	5.0	µg/L	1	6/28/2005
n-Propylbenzene	ND	5.0	µg/L	1	6/28/2005
Naphthalene	ND	5.0	µg/L	1	6/28/2005
o-Xylene	ND	5.0	µg/L	1	6/28/2005
sec-Butylbenzene	ND	5.0	µg/L	1	6/28/2005
Styrene	ND	5.0	µg/L	1	6/28/2005
Tert-amyl methyl ether	ND	5.0	µg/L	1	6/28/2005
Tert-Butanol	ND	100	µg/L	1	6/28/2005

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	E - Value above quantitation range
	DO - Surrogate Diluted Out	H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT:	SCS Engineers	Client Sample ID:	B25-GW
Lab Order:	077298		
Project:	Long Beach Public Service Yard, 01204007.02	Collection Date:	6/21/2005
Lab ID:	077298-016	Matrix:	WATER

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 8260B**

RunID: MS11_050628A	QC Batch: A05VW187	PrepDate:	Analyst: MFR		
tert-Butylbenzene	ND	5.0	µg/L	1	6/28/2005
Tetrachloroethene	ND	5.0	µg/L	1	6/28/2005
Toluene	ND	5.0	µg/L	1	6/28/2005
trans-1,2-Dichloroethene	ND	5.0	µg/L	1	6/28/2005
Trichloroethene	ND	5.0	µg/L	1	6/28/2005
Trichlorofluoromethane	ND	5.0	µg/L	1	6/28/2005
Vinyl chloride	ND	5.0	µg/L	1	6/28/2005

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	E - Value above quantitation range
	DO - Surrogate Diluted Out	H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT: SCS Engineers

Client Sample ID: B26-5

Lab Order: 077298

Project: Long Beach Public Service Yard, 01204007.02

Collection Date: 6/21/2005

Lab ID: 077298-017

Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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HYDROCARBON CHAIN IDENTIFICATION

(LUFT)

EPA 8015B(M)

RunID: GC7_BACK_050624B	QC Batch: 23319	PrepDate: 6/24/2005	Analyst: CBR		
T/R Hydrocarbons: C13-C22	ND	10	mg/Kg	1	6/24/2005

HYDROCARBON CHAIN IDENTIFICATION

(LUFT)

EPA 8015B

RunID: GC7_BACK_050624B	QC Batch: 23319	PrepDate: 6/24/2005	Analyst: CBR		
T/R Hydrocarbons: >C32	ND	10	mg/Kg	1	6/24/2005
T/R Hydrocarbons: C23-C32	ND	10	mg/Kg	1	6/24/2005

HYDROCARBON CHAIN IDENTIFICATION

EPA 8015B

RunID: GC2_050623A	QC Batch: E05VS163	PrepDate:	Analyst: TT		
T/R Hydrocarbons: C4-C12	ND	1.0	mg/Kg	1	6/23/2005

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT: SCS Engineers**Client Sample ID:** B26-10**Lab Order:** 077298**Project:** Long Beach Public Service Yard, 01204007.02**Collection Date:** 6/21/2005**Lab ID:** 077298-018**Matrix:** SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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**HYDROCARBON CHAIN IDENTIFICATION
(LUFT)****EPA 8015B(M)**

RunID: GC7_BACK_050624B	QC Batch: 23319	PrepDate: 6/24/2005	Analyst: CBR		
T/R Hydrocarbons: C13-C22	2600	50	mg/Kg	5	6/28/2005

**HYDROCARBON CHAIN IDENTIFICATION
(LUFT)****EPA 8015B**

RunID: GC7_BACK_050624B	QC Batch: 23319	PrepDate: 6/24/2005	Analyst: CBR		
T/R Hydrocarbons: >C32	ND	50	mg/Kg	5	6/28/2005
T/R Hydrocarbons: C23-C32	ND	50	mg/Kg	5	6/28/2005

HYDROCARBON CHAIN IDENTIFICATION**EPA 8015B**

RunID: GC2_050623A	QC Batch: E05VS163	PrepDate:	Analyst: TT		
T/R Hydrocarbons: C4-C12	1100	50	mg/Kg	50	6/23/2005

VOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 8260B**

RunID: MS1_050628A	QC Batch: P05VS097	PrepDate:	Analyst: HH		
1,1,1,2-Tetrachloroethane	ND	250	µg/Kg	50	6/28/2005
1,1,1-Trichloroethane	ND	250	µg/Kg	50	6/28/2005
1,1,2,2-Tetrachloroethane	ND	250	µg/Kg	50	6/28/2005
1,1,2-Trichloroethane	ND	250	µg/Kg	50	6/28/2005
1,1-Dichloroethane	ND	250	µg/Kg	50	6/28/2005
1,1-Dichloroethene	ND	250	µg/Kg	50	6/28/2005
1,1-Dichloropropene	ND	250	µg/Kg	50	6/28/2005
1,2,3-Trichlorobenzene	ND	250	µg/Kg	50	6/28/2005
1,2,3-Trichloropropane	ND	250	µg/Kg	50	6/28/2005
1,2,4-Trichlorobenzene	ND	250	µg/Kg	50	6/28/2005
1,2,4-Trimethylbenzene	ND	250	µg/Kg	50	6/28/2005
1,2-Dibromo-3-chloropropane	ND	500	µg/Kg	50	6/28/2005
1,2-Dibromoethane	ND	250	µg/Kg	50	6/28/2005
1,2-Dichlorobenzene	ND	250	µg/Kg	50	6/28/2005
1,2-Dichloroethane	ND	250	µg/Kg	50	6/28/2005
1,2-Dichloropropane	ND	250	µg/Kg	50	6/28/2005
1,3,5-Trimethylbenzene	ND	250	µg/Kg	50	6/28/2005
1,3-Dichlorobenzene	ND	250	µg/Kg	50	6/28/2005
1,3-Dichloropropane	ND	250	µg/Kg	50	6/28/2005

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT: SCS Engineers

Client Sample ID: B26-10

Lab Order: 077298

Project: Long Beach Public Service Yard, 01204007.02

Collection Date: 6/21/2005

Lab ID: 077298-018

Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS1_050628A

QC Batch: P05VS097

PrepDate:

Analyst: HH

1,4-Dichlorobenzene	ND	250	µg/Kg	50	6/28/2005
2,2-Dichloropropane	ND	250	µg/Kg	50	6/28/2005
2-Chlorotoluene	ND	250	µg/Kg	50	6/28/2005
4-Chlorotoluene	ND	250	µg/Kg	50	6/28/2005
4-Isopropyltoluene	ND	250	µg/Kg	50	6/28/2005
Benzene	ND	250	µg/Kg	50	6/28/2005
Bromobenzene	ND	250	µg/Kg	50	6/28/2005
Bromodichloromethane	ND	250	µg/Kg	50	6/28/2005
Bromoform	ND	250	µg/Kg	50	6/28/2005
Bromomethane	ND	250	µg/Kg	50	6/28/2005
Carbon tetrachloride	ND	250	µg/Kg	50	6/28/2005
Chlorobenzene	ND	250	µg/Kg	50	6/28/2005
Chloroethane	ND	250	µg/Kg	50	6/28/2005
Chloroform	ND	250	µg/Kg	50	6/28/2005
Chloromethane	ND	250	µg/Kg	50	6/28/2005
cis-1,2-Dichloroethene	ND	250	µg/Kg	50	6/28/2005
cis-1,3-Dichloropropene	ND	250	µg/Kg	50	6/28/2005
Di-Isopropyl ether	ND	250	µg/Kg	50	6/28/2005
Dibromochloromethane	ND	250	µg/Kg	50	6/28/2005
Dibromomethane	ND	250	µg/Kg	50	6/28/2005
Dichlorodifluoromethane	ND	250	µg/Kg	50	6/28/2005
Ethyl Tert-butyl ether	ND	250	µg/Kg	50	6/28/2005
Ethylbenzene	ND	250	µg/Kg	50	6/28/2005
Hexachlorobutadiene	ND	250	µg/Kg	50	6/28/2005
Isopropylbenzene	8200	250	µg/Kg	50	6/28/2005
m,p-Xylene	ND	500	µg/Kg	50	6/28/2005
Methylene chloride	ND	250	µg/Kg	50	6/28/2005
MTBE	ND	250	µg/Kg	50	6/28/2005
n-Butylbenzene	ND	250	µg/Kg	50	6/28/2005
n-Propylbenzene	17000	250	µg/Kg	50	6/28/2005
Naphthalene	15000	250	µg/Kg	50	6/28/2005
o-Xylene	ND	250	µg/Kg	50	6/28/2005
sec-Butylbenzene	12000	250	µg/Kg	50	6/28/2005
Styrene	ND	250	µg/Kg	50	6/28/2005
Tert-amyl methyl ether	ND	250	µg/Kg	50	6/28/2005
Tert-Butanol	ND	5000	µg/Kg	50	6/28/2005

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

DO - Surrogate Diluted Out

H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT: SCS Engineers

Client Sample ID: B26-10

Lab Order: 077298

Project: Long Beach Public Service Yard, 01204007.02

Collection Date: 6/21/2005

Lab ID: 077298-018

Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 8260B**

RunID: MS1_050628A

QC Batch: P05VS097

PrepDate:

Analyst: HH

tert-Butylbenzene	630	250	µg/Kg	50	6/28/2005
Tetrachloroethene	ND	250	µg/Kg	50	6/28/2005
Toluene	ND	250	µg/Kg	50	6/28/2005
trans-1,2-Dichloroethene	ND	250	µg/Kg	50	6/28/2005
Trichloroethene	ND	250	µg/Kg	50	6/28/2005
Trichlorofluoromethane	ND	250	µg/Kg	50	6/28/2005
Vinyl chloride	ND	250	µg/Kg	50	6/28/2005

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceeding holding time

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Results are wet unless otherwise specified





CLIENT: SCS Engineers
Work Order: 077298
Project: Long Beach Public Service Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT**TestCode: 6010_S**

Sample ID: MB-23346	SampType: MBLK	TestCode: 6010_S	Units: mg/Kg	Prep Date: 6/27/2005	Run ID: ICP6_050628A						
Client ID: ZZZZZ	Batch ID: 23346	TestNo: EPA 6010B	(EPA 3050B)	Analysis Date: 6/28/2005	SeqNo: 757990						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	2.0									
Arsenic	ND	1.0									
Barium	ND	1.0									
Beryllium	ND	1.0									
Cadmium	ND	1.0									
Chromium	ND	1.0									
Cobalt	ND	1.0									
Copper	ND	2.0									
Lead	ND	1.0									
Molybdenum	ND	1.0									
Nickel	ND	1.0									
Selenium	ND	1.0									
Silver	ND	1.0									
Thallium	ND	1.0									
Vanadium	ND	1.0									
Zinc	ND	1.0									

Sample ID: LCS-23346	SampType: LCS	TestCode: 6010_S	Units: mg/Kg	Prep Date: 6/27/2005	Run ID: ICP6_050628A						
Client ID: ZZZZZ	Batch ID: 23346	TestNo: EPA 6010B	(EPA 3050B)	Analysis Date: 6/28/2005	SeqNo: 757991						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	47.11	2.0	50	0	94.2	80	120	0	0		
Arsenic	48.46	1.0	50	0	96.9	80	120	0	0		
Barium	49.71	1.0	50	0	99.4	80	120	0	0		
Beryllium	47.35	1.0	50	0	94.7	80	120	0	0		
Cadmium	47.6	1.0	50	0	95.2	80	120	0	0		
Chromium	49.41	1.0	50	0	98.8	80	120	0	0		
Cobalt	47.32	1.0	50	0	94.6	80	120	0	0		
Copper	54.35	2.0	50	0	109	80	120	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

Calculations are based on raw values

DO- Surrogate dilute out

H - Sample exceeded holding time



CLIENT: SCS Engineers
Work Order: 077298
Project: Long Beach Public Service Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT**TestCode:** 6010_S

Sample ID: LCS-23346	SampType: LCS	TestCode: 6010_S	Units: mg/Kg	Prep Date: 6/27/2005	Run ID: ICP6_050628A						
Client ID: ZZZZZ	Batch ID: 23346	TestNo: EPA 6010B	(EPA 3050B)	Analysis Date: 6/28/2005	SeqNo: 757991						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	55.62	1.0	50	0	111	80	120	0	0		
Molybdenum	49.74	1.0	50	0	99.5	80	120	0	0		
Nickel	48.92	1.0	50	0	97.8	80	120	0	0		
Selenium	46.83	1.0	50	0	93.7	80	120	0	0		
Silver	46.78	1.0	50	0	93.6	80	120	0	0		
Thallium	47.42	1.0	50	0	94.8	80	120	0	0		
Vanadium	49.62	1.0	50	0	99.2	80	120	0	0		
Zinc	48.85	1.0	50	0	97.7	80	120	0	0		

Sample ID: 077368-002AMS	SampType: MS	TestCode: 6010_S	Units: mg/Kg	Prep Date: 6/27/2005	Run ID: ICP6_050628A						
Client ID: ZZZZZ	Batch ID: 23346	TestNo: EPA 6010B	(EPA 3050B)	Analysis Date: 6/28/2005	SeqNo: 757992						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	200	125	0	0	23	118	0	0		S
Arsenic	ND	100	125	0	0	64	111	0	0		S
Barium	113.7	100	125	4,468	87.4	36	146	0	0		
Beryllium	114.2	100	125	0	91.4	50	120	0	0		
Cadmium	109.1	100	125	0	87.3	62	107	0	0		
Chromium	157.5	100	125	50.8	85.3	63	119	0	0		
Cobalt	117.8	100	125	0	94.2	63	111	0	0		
Copper	ND	200	125	0	156	58	136	0	0		S
Lead	12370	100	125	14220	-1480	47	125	0	0		S
Molybdenum	ND	100	125	0	69.4	63	116	0	0		
Nickel	400.4	100	125	333.3	53.7	57	116	0	0		S
Selenium	ND	100	125	0	0	47	118	0	0		S
Silver	105.9	100	125	0	84.7	48	125	0	0		
Thallium	155.4	100	125	0	124	49	116	0	0		S
Vanadium	103.9	100	125	0	83.1	65	122	0	0		
Zinc	119.4	100	125	0	95.5	36	140	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits DO- Surrogate dilute out
 J - Analyte detected below quantitation limits B - Analyte detected in the associated Method Blank H - Sample exceeded holding time
 R - RPD outside accepted recovery limits Calculations are based on raw values



CLIENT: SCS Engineers
Work Order: 077298
Project: Long Beach Public Service Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: 077368-002AMSD	SampType: MSD	TestCode: 6010_S	Units: mg/Kg	Prep Date: 6/27/2005	Run ID: ICP6_050628A						
Client ID: ZZZZZ	Batch ID: 23346	TestNo: EPA 6010B	(EPA 3050B)	Analysis Date: 6/28/2005	SeqNo: 757993						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	200	125	0	0	23	118	0	0	20	S
Arsenic	ND	100	125	0	72.2	64	111	0	0	20	
Barium	120.2	100	125	4.468	92.6	36	146	113.7	5.57	20	
Beryllium	115.1	100	125	0	92.1	50	120	114.2	0.797	20	
Cadmium	116.7	100	125	0	93.4	62	107	109.1	6.72	20	
Chromium	161.6	100	125	50.8	88.6	63	119	157.5	2.58	20	
Cobalt	122.6	100	125	0	98.1	63	111	117.8	4.02	20	
Copper	ND	200	125	0	148	58	136	194.4	0	20	S
Lead	12680	100	125	14220	-1230	47	125	12370	2.47	20	S
Molybdenum	ND	100	125	0	73.8	63	116	86.72	0	20	
Nickel	393.8	100	125	333.3	48.4	57	116	400.4	1.67	20	S
Selenium	ND	100	125	0	0	47	118	0	0	20	S
Silver	107.8	100	125	0	86.3	48	125	105.9	1.82	20	
Thallium	141.4	100	125	0	113	49	116	155.4	9.44	20	
Vanadium	107.1	100	125	0	85.7	65	122	103.9	3.11	20	
Zinc	125.3	100	125	0	100	36	140	119.4	4.79	20	

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values

DO- Surrogate dilute out
H - Sample exceeded holding time



CLIENT: SCS Engineers
Work Order: 077298
Project: Long Beach Public Service Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

TestCode: 7471_S

Sample ID: MB-23350	SampType: MBLK	TestCode: 7471_S	Units: mg/Kg	Prep Date: 6/27/2005	Run ID: AA1_050628B						
Client ID: ZZZZZ	Batch ID: 23350	TestNo: EPA 7471A	(EPA 7471)	Analysis Date: 6/28/2005	SeqNo: 758157						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.10									

Sample ID: LCS-23350	SampType: LCS	TestCode: 7471_S	Units: mg/Kg	Prep Date: 6/27/2005	Run ID: AA1_050628B						
Client ID: ZZZZZ	Batch ID: 23350	TestNo: EPA 7471A	(EPA 7471)	Analysis Date: 6/28/2005	SeqNo: 758156						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	2.252	0.10	2.08	0	108	80	120	0	0		

Sample ID: 077368-002AMS	SampType: MS	TestCode: 7471_S	Units: mg/Kg	Prep Date: 6/27/2005	Run ID: AA1_050628B						
Client ID: ZZZZZ	Batch ID: 23350	TestNo: EPA 7471A	(EPA 7471)	Analysis Date: 6/28/2005	SeqNo: 758154						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.9477	0.10	0.83	0.03864	110	62	146	0	0		

Sample ID: 077368-002AMSD	SampType: MSD	TestCode: 7471_S	Units: mg/Kg	Prep Date: 6/27/2005	Run ID: AA1_050628B						
Client ID: ZZZZZ	Batch ID: 23350	TestNo: EPA 7471A	(EPA 7471)	Analysis Date: 6/28/2005	SeqNo: 758155						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.9947	0.10	0.83	0.03864	115	62	146	0.9477	4.84	30	

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits
 B - Analyte detected in the associated Method Blank
 Calculations are based on raw values

DO- Surrogate dilute out
 H - Sample exceeded holding time



CLIENT: SCS Engineers
Work Order: 077298
Project: Long Beach Public Service Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: R050627MB2	SampType: MBLK	TestCode: 8260_S	Units: µg/Kg	Prep Date:	Run ID: MS3_050627A						
Client ID: ZZZZZ	Batch ID: R05VS082	TestNo: EPA 8260B		Analysis Date: 6/27/2005	SeqNo: 757483						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0									
1,1,1-Trichloroethane	ND	5.0									
1,1,2,2-Tetrachloroethane	ND	5.0									
1,1,2-Trichloroethane	ND	5.0									
1,1-Dichloroethane	ND	5.0									
1,1-Dichloroethene	ND	5.0									
1,1-Dichloropropene	ND	5.0									
1,2,3-Trichlorobenzene	ND	5.0									
1,2,3-Trichloropropane	ND	5.0									
1,2,4-Trichlorobenzene	ND	5.0									
1,2,4-Trimethylbenzene	ND	5.0									
1,2-Dibromo-3-chloropropane	ND	10									
1,2-Dibromoethane	ND	5.0									
1,2-Dichlorobenzene	ND	5.0									
1,2-Dichloroethane	ND	5.0									
1,2-Dichloropropane	ND	5.0									
1,3,5-Trimethylbenzene	ND	5.0									
1,3-Dichlorobenzene	ND	5.0									
1,3-Dichloropropane	ND	5.0									
1,4-Dichlorobenzene	ND	5.0									
2,2-Dichloropropane	ND	5.0									
2-Chlorotoluene	ND	5.0									
4-Chlorotoluene	ND	5.0									
4-Isopropyltoluene	ND	5.0									
Benzene	ND	5.0									
Bromobenzene	ND	5.0									
Bromodichloromethane	ND	5.0									
Bromoform	ND	5.0									
Bromomethane	ND	5.0									
Carbon tetrachloride	ND	5.0									

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits DO- Surrogate dilute out
J - Analyte detected below quantitation limits B - Analyte detected in the associated Method Blank H - Sample exceeded holding time
R - RPD outside accepted recovery limits Calculations are based on raw values



CLIENT: SCS Engineers
Work Order: 077298
Project: Long Beach Public Service Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: R050627MB2	SampType: MBLK	TestCode: 8260_S	Units: µg/Kg	Prep Date:	Run ID: MS3_050627A						
Client ID: ZZZZZ	Batch ID: R05VS082	TestNo: EPA 8260B		Analysis Date: 6/27/2005	SeqNo: 757483						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorobenzene	ND	5.0									
Chloroethane	ND	5.0									
Chloroform	ND	5.0									
Chloromethane	ND	5.0									
cis-1,2-Dichloroethene	ND	5.0									
cis-1,3-Dichloropropene	ND	5.0									
Di-isopropyl ether	ND	5.0									
Dibromochloromethane	ND	5.0									
Dibromomethane	ND	5.0									
Dichlorodifluoromethane	ND	5.0									
Ethyl Tert-butyl ether	ND	5.0									
Ethylbenzene	ND	5.0									
Hexachlorobutadiene	ND	5.0									
Isopropylbenzene	ND	5.0									
m,p-Xylene	ND	10									
Methylene chloride	ND	5.0									
MTBE	ND	5.0									
n-Butylbenzene	ND	5.0									
n-Propylbenzene	ND	5.0									
Naphthalene	ND	5.0									
o-Xylene	ND	5.0									
sec-Butylbenzene	ND	5.0									
Styrene	ND	5.0									
Tert-amyl methyl ether	ND	5.0									
Tert-Butanol	ND	100									
tert-Butylbenzene	ND	5.0									
Tetrachloroethene	ND	5.0									
Toluene	ND	5.0									
trans-1,2-Dichloroethene	ND	5.0									
Trichloroethene	ND	5.0									

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits DO- Surrogate dilute out
 J - Analyte detected below quantitation limits B - Analyte detected in the associated Method Blank H - Sample exceeded holding time
 R - RPD outside accepted recovery limits **Calculations are based on raw values**



CLIENT: SCS Engineers
Work Order: 077298
Project: Long Beach Public Service Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: R050627MB2	SampType: MBLK	TestCode: 8260_S	Units: µg/Kg	Prep Date:	Run ID: MS3_050627A						
Client ID: ZZZZZ	Batch ID: R05VS082	TestNo: EPA 8260B		Analysis Date: 6/27/2005	SeqNo: 757483						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Trichlorofluoromethane	ND	5.0									
Vinyl chloride	ND	5.0									
Surr: 1,2-Dichloroethane-d4	42.1	5.0	50	0	84.2	66	149	0	0		
Surr: 4-Bromofluorobenzene	44.76	5.0	50	0	89.5	83	125	0	0		
Surr: Dibromofluoromethane	44.94	5.0	50	0	89.9	75	139	0	0		
Surr: Toluene-d8	46.73	5.0	50	0	93.5	87	133	0	0		

Sample ID: P050628MB2	SampType: MBLK	TestCode: 8260_S	Units: µg/Kg	Prep Date:	Run ID: MS1_050628A						
Client ID: ZZZZZ	Batch ID: P05VS097	TestNo: EPA 8260B		Analysis Date: 6/28/2005	SeqNo: 758122						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,1,1-Trichloroethane	ND	5.0									
1,1,2,2-Tetrachloroethane	ND	5.0									
1,1,2-Trichloroethane	ND	5.0									
1,1-Dichloroethane	ND	5.0									
1,1-Dichloroethene	ND	5.0									
1,1-Dichloropropene	ND	5.0									
1,2,3-Trichlorobenzene	ND	5.0									
1,2,3-Trichloropropane	ND	5.0									
1,2,4-Trichlorobenzene	ND	5.0									
1,2,4-Trimethylbenzene	ND	5.0									
1,2-Dibromo-3-chloropropane	ND	10									
1,2-Dibromoethane	ND	5.0									
1,2-Dichlorobenzene	ND	5.0									
1,2-Dichloroethane	ND	5.0									
1,2-Dichloropropane	ND	5.0									
1,3,5-Trimethylbenzene	ND	5.0									
1,3-Dichlorobenzene	ND	5.0									
1,3-Dichloropropane	ND	5.0									
1,4-Dichlorobenzene	ND	5.0									

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits DO- Surrogate dilute out
J - Analyte detected below quantitation limits B - Analyte detected in the associated Method Blank H - Sample exceeded holding time
R - RPD outside accepted recovery limits Calculations are based on raw values



CLIENT: SCS Engineers
Work Order: 077298
Project: Long Beach Public Service Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: P050628MB2	SampType: MBLK	TestCode: 8260_S	Units: µg/Kg	Prep Date:	Run ID: MS1_050628A						
Client ID: ZZZZZ	Batch ID: P05VS097	TestNo: EPA 8260B		Analysis Date: 6/28/2005	SeqNo: 758122						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,2-Dichloropropane	ND	5.0									
2-Chlorotoluene	ND	5.0									
4-Chlorotoluene	ND	5.0									
4-Isopropyltoluene	ND	5.0									
Benzene	ND	5.0									
Bromobenzene	ND	5.0									
Bromodichloromethane	ND	5.0									
Bromoform	ND	5.0									
Bromomethane	ND	5.0									
Carbon tetrachloride	ND	5.0									
Chlorobenzene	ND	5.0									
Chloroethane	ND	5.0									
Chloroform	ND	5.0									
Chloromethane	ND	5.0									
cis-1,2-Dichloroethene	ND	5.0									
cis-1,3-Dichloropropene	ND	5.0									
Di-isopropyl ether	ND	5.0									
Dibromochloromethane	ND	5.0									
Dibromomethane	ND	5.0									
Dichlorodifluoromethane	ND	5.0									
Ethyl Tert-butyl ether	ND	5.0									
Ethylbenzene	ND	5.0									
Hexachlorobutadiene	ND	5.0									
Isopropylbenzene	ND	5.0									
m,p-Xylene	ND	10									
Methylene chloride	ND	5.0									
MTBE	ND	5.0									
n-Butylbenzene	ND	5.0									
n-Propylbenzene	ND	5.0									
Naphthalene	ND	5.0									

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits DO- Surrogate dilute out
J - Analyte detected below quantitation limits B - Analyte detected in the associated Method Blank H - Sample exceeded holding time
R - RPD outside accepted recovery limits Calculations are based on raw values



CLIENT: SCS Engineers
Work Order: 077298
Project: Long Beach Public Service Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: P050628MB2	SampType: MBLK	TestCode: 8260_S	Units: µg/Kg	Prep Date:	Run ID: MS1_050628A						
Client ID: ZZZZZ	Batch ID: P05VS097	TestNo: EPA 8260B		Analysis Date: 6/28/2005	SeqNo: 758122						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
o-Xylene	ND	5.0									
sec-Butylbenzene	ND	5.0									
Styrene	ND	5.0									
Tert-amyl methyl ether	ND	5.0									
Tert-Butanol	ND	100									
tert-Butylbenzene	ND	5.0									
Tetrachloroethene	ND	5.0									
Toluene	ND	5.0									
trans-1,2-Dichloroethene	ND	5.0									
Trichloroethene	ND	5.0									
Trichlorofluoromethane	ND	5.0									
Vinyl chloride	ND	5.0									
Surr: 1,2-Dichloroethane-d4	45.52	5.0	50	0	91	66	149	0	0		
Surr: 4-Bromofluorobenzene	44.68	5.0	50	0	89.4	83	125	0	0		
Surr: Dibromofluoromethane	54.2	5.0	50	0	108	75	139	0	0		
Surr: Toluene-d8	51.78	5.0	50	0	104	87	133	0	0		

Sample ID: R050627LC2	SampType: LCS	TestCode: 8260_S	Units: µg/Kg	Prep Date:	Run ID: MS3_050627A						
Client ID: ZZZZZ	Batch ID: R05VS082	TestNo: EPA 8260B		Analysis Date: 6/27/2005	SeqNo: 757480						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	103.6	5.0	100	0	104	70	119	0	0		
Benzene	102.7	5.0	100	0	103	80	121	0	0		
Chlorobenzene	109.1	5.0	100	0	109	88	129	0	0		
MTBE	81.75	5.0	100	0	81.8	59	126	0	0		
Toluene	105.7	5.0	100	0	106	84	126	0	0		
Trichloroethene	108.3	5.0	100	0	108	83	129	0	0		
Surr: 1,2-Dichloroethane-d4	39.42	5.0	50	0	78.8	66	149	0	0		
Surr: 4-Bromofluorobenzene	49.81	5.0	50	0	99.6	83	125	0	0		
Surr: Dibromofluoromethane	43.76	5.0	50	0	87.5	75	139	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits DO- Surrogate dilute out
 J - Analyte detected below quantitation limits B - Analyte detected in the associated Method Blank H - Sample exceeded holding time
 R - RPD outside accepted recovery limits Calculations are based on raw values



CLIENT: SCS Engineers
Work Order: 077298
Project: Long Beach Public Service Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: R050627LC2	SampType: LCS	TestCode: 8260_S	Units: µg/Kg	Prep Date:	Run ID: MS3_050627A						
Client ID: ZZZZZ	Batch ID: R05VS082	TestNo: EPA 8260B		Analysis Date: 6/27/2005	SeqNo: 757480						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Toluene-d8	48.58	5.0	50	0	97.2	87	133	0	0		

Sample ID: P050628LC1	SampType: LCS	TestCode: 8260_S	Units: µg/Kg	Prep Date:	Run ID: MS1_050628A						
Client ID: ZZZZZ	Batch ID: P05VS097	TestNo: EPA 8260B		Analysis Date: 6/28/2005	SeqNo: 758113						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	114.3	5.0	100	0	114	70	119	0	0		
Benzene	109.5	5.0	100	0	110	80	121	0	0		
Chlorobenzene	120.8	5.0	100	0	121	88	129	0	0		
MTBE	92.53	5.0	100	0	92.5	59	126	0	0		
Toluene	108.7	5.0	100	0	109	84	126	0	0		
Trichloroethene	109.7	5.0	100	0	110	83	129	0	0		
Surr: 1,2-Dichloroethane-d4	40.8	5.0	50	0	81.6	66	149	0	0		
Surr: 4-Bromofluorobenzene	47.37	5.0	50	0	94.7	83	125	0	0		
Surr: Dibromofluoromethane	49.33	5.0	50	0	98.7	75	139	0	0		
Surr: Toluene-d8	52.31	5.0	50	0	105	87	133	0	0		

Sample ID: R050627MB2MS	SampType: MS	TestCode: 8260_S	Units: µg/Kg	Prep Date:	Run ID: MS3_050627A						
Client ID: ZZZZZ	Batch ID: R05VS082	TestNo: EPA 8260B		Analysis Date: 6/27/2005	SeqNo: 757481						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	101.5	5.0	100	0	102	52	135	0	0		
Benzene	105.2	5.0	100	0	105	52	143	0	0		
Chlorobenzene	108.9	5.0	100	0	109	48	154	0	0		
MTBE	86.66	5.0	100	0	86.7	34	156	0	0		
Toluene	106.8	5.0	100	0	107	54	146	0	0		
Trichloroethene	108.4	5.0	100	0	108	44	169	0	0		
Surr: 1,2-Dichloroethane-d4	40.33	5.0	50	0	80.7	66	149	0	0		
Surr: 4-Bromofluorobenzene	49.18	5.0	50	0	98.4	83	125	0	0		
Surr: Dibromofluoromethane	43.43	5.0	50	0	86.9	75	139	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits DO- Surrogate dilute out
 J - Analyte detected below quantitation limits B - Analyte detected in the associated Method Blank H - Sample exceeded holding time
 R - RPD outside accepted recovery limits Calculations are based on raw values



CLIENT: SCS Engineers
Work Order: 077298
Project: Long Beach Public Service Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: R050627MB2MS	SampType: MS	TestCode: 8260_S	Units: µg/Kg	Prep Date:	Run ID: MS3_050627A						
Client ID: ZZZZZ	Batch ID: R05VS082	TestNo: EPA 8260B		Analysis Date: 6/27/2005	SeqNo: 757481						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Toluene-d8	48.52	5.0	50	0	97	87	133	0	0		

Sample ID: P050628MB2MS	SampType: MS	TestCode: 8260_S	Units: µg/Kg	Prep Date:	Run ID: MS1_050628A						
Client ID: ZZZZZ	Batch ID: P05VS097	TestNo: EPA 8260B		Analysis Date: 6/28/2005	SeqNo: 758117						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	112.2	5.0	100	0	112	52	135	0	0		
Benzene	105.6	5.0	100	0	106	52	143	0	0		
Chlorobenzene	120.2	5.0	100	0	120	48	154	0	0		
MTBE	90.33	5.0	100	0	90.3	34	156	0	0		
Toluene	106	5.0	100	0	106	54	146	0	0		
Trichloroethene	106.7	5.0	100	0	107	44	169	0	0		
Surr: 1,2-Dichloroethane-d4	40.44	5.0	50	0	80.9	66	149	0	0		
Surr: 4-Bromofluorobenzene	47.99	5.0	50	0	96	83	125	0	0		
Surr: Dibromofluoromethane	49.39	5.0	50	0	98.8	75	139	0	0		
Surr: Toluene-d8	50.97	5.0	50	0	102	87	133	0	0		

Sample ID: R050627MB2MSD	SampType: MSD	TestCode: 8260_S	Units: µg/Kg	Prep Date:	Run ID: MS3_050627A						
Client ID: ZZZZZ	Batch ID: R05VS082	TestNo: EPA 8260B		Analysis Date: 6/27/2005	SeqNo: 757482						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	103.5	5.0	100	0	104	52	135	101.5	1.96	30	
Benzene	105.2	5.0	100	0	105	52	143	105.2	0.0570	30	
Chlorobenzene	107.2	5.0	100	0	107	48	154	108.9	1.58	30	
MTBE	88.82	5.0	100	0	88.8	34	156	86.66	2.46	30	
Toluene	106.4	5.0	100	0	106	54	146	106.8	0.319	30	
Trichloroethene	108.9	5.0	100	0	109	44	169	108.4	0.469	30	
Surr: 1,2-Dichloroethane-d4	40.45	5.0	50	0	80.9	66	149	0	0	30	
Surr: 4-Bromofluorobenzene	48.13	5.0	50	0	96.3	83	125	0	0	30	
Surr: Dibromofluoromethane	43.84	5.0	50	0	87.7	75	139	0	0	30	

Qualifiers: ND - Not Detected at the Reporting Limit
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 R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits
 B - Analyte detected in the associated Method Blank
 Calculations are based on raw values

DO- Surrogate dilute out
 H - Sample exceeded holding time



CLIENT: SCS Engineers
Work Order: 077298
Project: Long Beach Public Service Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: R050627MB2MSD	SampType: MSD	TestCode: 8260_S	Units: µg/Kg	Prep Date:	Run ID: MS3_050627A						
Client ID: ZZZZZ	Batch ID: R05VS082	TestNo: EPA 8260B		Analysis Date: 6/27/2005	SeqNo: 757482						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Toluene-d8	48.07	5.0	50	0	96.1	87	133	0	0	30	

Sample ID: P050628MB2MSD	SampType: MSD	TestCode: 8260_S	Units: µg/Kg	Prep Date:	Run ID: MS1_050628A						
Client ID: ZZZZZ	Batch ID: P05VS097	TestNo: EPA 8260B		Analysis Date: 6/28/2005	SeqNo: 758119						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	109.4	5.0	100	0	109	52	135	112.2	2.51	30	
Benzene	107	5.0	100	0	107	52	143	105.6	1.30	30	
Chlorobenzene	120.7	5.0	100	0	121	48	154	120.2	0.448	30	
MTBE	93.97	5.0	100	0	94	34	156	90.33	3.95	30	
Toluene	108.8	5.0	100	0	109	54	146	106	2.63	30	
Trichloroethene	107.3	5.0	100	0	107	44	169	106.7	0.542	30	
Surr: 1,2-Dichloroethane-d4	42.02	5.0	50	0	84	66	149	0	0	30	
Surr: 4-Bromofluorobenzene	49.44	5.0	50	0	98.9	83	125	0	0	30	
Surr: Dibromofluoromethane	50.81	5.0	50	0	102	75	139	0	0	30	
Surr: Toluene-d8	52.77	5.0	50	0	106	87	133	0	0	30	

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits DO- Surrogate dilute out
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CLIENT: SCS Engineers
Work Order: 077298
Project: Long Beach Public Service Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: A062805MB4		SampType: MBLK		TestCode: 8260_WP		Units: µg/L		Prep Date:		Run ID: MS11_050628A	
Client ID: ZZZZZ		Batch ID: A05VW187		TestNo: EPA 8260B		Analysis Date: 6/28/2005		SeqNo: 758263			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0									
1,1,1-Trichloroethane	ND	5.0									
1,1,2,2-Tetrachloroethane	ND	5.0									
1,1,2-Trichloroethane	ND	5.0									
1,1-Dichloroethane	ND	5.0									
1,1-Dichloroethene	ND	5.0									
1,1-Dichloropropene	ND	5.0									
1,2,3-Trichlorobenzene	ND	5.0									
1,2,3-Trichloropropane	ND	5.0									
1,2,4-Trichlorobenzene	ND	5.0									
1,2,4-Trimethylbenzene	ND	5.0									
1,2-Dibromo-3-chloropropane	ND	5.0									
1,2-Dibromoethane	ND	5.0									
1,2-Dichlorobenzene	ND	5.0									
1,2-Dichloroethane	ND	5.0									
1,2-Dichloropropane	ND	5.0									
1,3,5-Trimethylbenzene	ND	5.0									
1,3-Dichlorobenzene	ND	5.0									
1,3-Dichloropropane	ND	5.0									
1,4-Dichlorobenzene	ND	5.0									
2,2-Dichloropropane	ND	5.0									
2-Chlorotoluene	ND	5.0									
4-Chlorotoluene	ND	5.0									
4-Isopropyltoluene	ND	5.0									
Benzene	ND	5.0									
Bromobenzene	ND	5.0									
Bromodichloromethane	ND	5.0									
Bromoform	ND	5.0									
Bromomethane	ND	5.0									
Carbon tetrachloride	ND	5.0									

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CLIENT: SCS Engineers
Work Order: 077298
Project: Long Beach Public Service Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: A062805MB4		SampType: MBLK		TestCode: 8260_WP		Units: µg/L		Prep Date:		Run ID: MS11_050628A	
Client ID: ZZZZZ		Batch ID: A05VW187		TestNo: EPA 8260B		Analysis Date: 6/28/2005		SeqNo: 758263			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorobenzene	ND	5.0									
Chloroethane	ND	5.0									
Chloroform	ND	5.0									
Chloromethane	ND	5.0									
cis-1,2-Dichloroethene	ND	5.0									
cis-1,3-Dichloropropene	ND	5.0									
Di-isopropyl ether	ND	5.0									
Dibromochloromethane	ND	5.0									
Dibromomethane	ND	5.0									
Dichlorodifluoromethane	ND	5.0									
Ethyl tert-butyl ether	ND	5.0									
Ethylbenzene	ND	5.0									
Hexachlorobutadiene	ND	5.0									
Isopropylbenzene	ND	5.0									
m,p-Xylene	ND	10									
Methylene chloride	ND	5.0									
MTBE	ND	5.0									
n-Butylbenzene	ND	5.0									
n-Propylbenzene	ND	5.0									
Naphthalene	ND	5.0									
o-Xylene	ND	5.0									
sec-Butylbenzene	ND	5.0									
Styrene	ND	5.0									
Tert-amyl methyl ether	ND	5.0									
Tert-Butanol	ND	100									
tert-Butylbenzene	ND	5.0									
Tetrachloroethene	ND	5.0									
Toluene	ND	5.0									
trans-1,2-Dichloroethene	ND	5.0									
Trichloroethene	ND	5.0									

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CLIENT: SCS Engineers
Work Order: 077298
Project: Long Beach Public Service Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: A062805MB4		SampType: MBLK		TestCode: 8260_WP		Units: µg/L		Prep Date:		Run ID: MS11_050628A	
Client ID: ZZZZZ		Batch ID: A05VW187		TestNo: EPA 8260B		Analysis Date: 6/28/2005		SeqNo: 758263			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Trichlorofluoromethane	ND	5.0									
Vinyl chloride	ND	5.0									
Surr: 1,2-Dichloroethane-d4	22.02	5.0	25	0	88.1	75	134	0	0		
Surr: 4-Bromofluorobenzene	24.42	5.0	25	0	97.7	70	136	0	0		
Surr: Dibromofluoromethane	23.26	5.0	25	0	93	79	129	0	0		
Surr: Toluene-d8	24.52	5.0	25	0	98.1	84	125	0	0		

Sample ID: A062805LC1		SampType: LCS		TestCode: 8260_WP		Units: µg/L		Prep Date:		Run ID: MS11_050628A	
Client ID: ZZZZZ		Batch ID: A05VW187		TestNo: EPA 8260B		Analysis Date: 6/28/2005		SeqNo: 758260			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	21.09	5.0	20	0	105	73	124	0	0		
Benzene	21.41	5.0	20	0	107	92	123	0	0		
Chlorobenzene	20.94	5.0	20	0	105	93	119	0	0		
MTBE	18.5	5.0	20	0	92.5	77	120	0	0		
Toluene	21.11	5.0	20	0	106	91	123	0	0		
Trichloroethene	22.41	5.0	20	0	112	87	126	0	0		
Surr: 1,2-Dichloroethane-d4	22.4	5.0	25	0	89.6	75	134	0	0		
Surr: 4-Bromofluorobenzene	22.74	5.0	25	0	91	70	136	0	0		
Surr: Dibromofluoromethane	23	5.0	25	0	92	79	129	0	0		
Surr: Toluene-d8	24.11	5.0	25	0	96.4	84	125	0	0		

Sample ID: A062805MB4MS		SampType: MS		TestCode: 8260_WP		Units: µg/L		Prep Date:		Run ID: MS11_050628A	
Client ID: ZZZZZ		Batch ID: A05VW187		TestNo: EPA 8260B		Analysis Date: 6/28/2005		SeqNo: 758261			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	19.81	5.0	20	0	99	74	121	0	0		
Benzene	21.51	5.0	20	0	108	91	125	0	0		
Chlorobenzene	20.52	5.0	20	0	103	91	119	0	0		
MTBE	18.64	5.0	20	0	93.2	79	119	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits DO- Surrogate dilute out
 J - Analyte detected below quantitation limits B - Analyte detected in the associated Method Blank H - Sample exceeded holding time
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CLIENT: SCS Engineers
Work Order: 077298
Project: Long Beach Public Service Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: A062805MB4MS	SampType: MS	TestCode: 8260_WP	Units: µg/L	Prep Date:	Run ID: MS11_050626A						
Client ID: ZZZZZ	Batch ID: A05VW187	TestNo: EPA 8260B		Analysis Date: 6/28/2005	SeqNo: 756261						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toluene	21.11	5.0	20	0	106	89	123	0	0		
Trichloroethene	22.17	5.0	20	0	111	86	126	0	0		
Surr: 1,2-Dichloroethane-d4	22.3	5.0	25	0	89.2	75	134	0	0		
Surr: 4-Bromofluorobenzene	22.12	5.0	25	0	88.5	70	136	0	0		
Surr: Dibromofluoromethane	22.97	5.0	25	0	91.9	79	129	0	0		
Surr: Toluene-d8	23.9	5.0	25	0	95.6	84	125	0	0		

Sample ID: A062805MB4MSD	SampType: MSD	TestCode: 8260_WP	Units: µg/L	Prep Date:	Run ID: MS11_050628A						
Client ID: ZZZZZ	Batch ID: A05VW187	TestNo: EPA 8260B		Analysis Date: 6/28/2005	SeqNo: 758262						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	19.92	5.0	20	0	99.6	74	121	19.81	0.554	30	
Benzene	21.26	5.0	20	0	106	91	125	21.51	1.17	30	
Chlorobenzene	21.54	5.0	20	0	108	91	119	20.52	4.85	30	
MTBE	19.05	5.0	20	0	95.2	79	119	18.64	2.18	30	
Toluene	21.02	5.0	20	0	105	89	123	21.11	0.427	30	
Trichloroethene	21.99	5.0	20	0	110	86	126	22.17	0.815	30	
Surr: 1,2-Dichloroethane-d4	21.75	5.0	25	0	87	75	134	0	0	30	
Surr: 4-Bromofluorobenzene	23.91	5.0	25	0	95.6	70	136	0	0	30	
Surr: Dibromofluoromethane	23.74	5.0	25	0	95	79	129	0	0	30	
Surr: Toluene-d8	24.2	5.0	25	0	96.8	84	125	0	0	30	

Qualifiers: ND - Not Detected at the Reporting Limit
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DO- Surrogate dilute out
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CLIENT: SCS Engineers
Work Order: 077298
Project: Long Beach Public Service Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

TestCode: HC_S_VOAC4C12

Sample ID: E062305MB1		SampType: MBLK		TestCode: HC_S_VOAC		Units: mg/Kg		Prep Date:		Run ID: GC2_050623A	
Client ID: ZZZZZ		Batch ID: E05VS163		TestNo: EPA 8015B		Analysis Date: 6/23/2005		SeqNo: 759822			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C4-C12	ND	1.0									
Surr: Bromofluorobenzene (FID)	74.74	1.0	100	0	74.7	35	139	0	0		
Sample ID: E062305LCS1		SampType: LCS		TestCode: HC_S_VOAC		Units: mg/Kg		Prep Date:		Run ID: GC2_050623A	
Client ID: ZZZZZ		Batch ID: E05VS163		TestNo: EPA 8015B		Analysis Date: 6/23/2005		SeqNo: 759834			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C4-C12	5.399	1.0	5	0	108	79	117	0	0		
Surr: Bromofluorobenzene (FID)	93.38	1.0	100	0	93.4	35	139	0	0		
Sample ID: 077281-002AMS		SampType: MS		TestCode: HC_S_VOAC		Units: mg/Kg		Prep Date:		Run ID: GC2_050623A	
Client ID: ZZZZZ		Batch ID: E05VS163		TestNo: EPA 8015B		Analysis Date: 6/23/2005		SeqNo: 759824			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C4-C12	5.249	1.0	5	0	105	35	134	0	0		
Surr: Bromofluorobenzene (FID)	88.92	1.0	100	0	88.9	35	139	0	0		
Sample ID: 077281-002AMSD		SampType: MSD		TestCode: HC_S_VOAC		Units: mg/Kg		Prep Date:		Run ID: GC2_050623A	
Client ID: ZZZZZ		Batch ID: E05VS163		TestNo: EPA 8015B		Analysis Date: 6/23/2005		SeqNo: 759825			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C4-C12	5.078	1.0	5	0	102	35	134	5.249	3.31	30	
Surr: Bromofluorobenzene (FID)	88.79	1.0	100	0	88.8	35	139	0	0	0	

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CLIENT: SCS Engineers
Work Order: 077298
Project: Long Beach Public Service Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

TestCode: HC_W_VOALL_ENGLA

Sample ID: I062405MB1	SampType: MBLK	TestCode: HC_W_VOAL	Units: mg/L	Prep Date:	Run ID: GC6_050624A						
Client ID: ZZZZZ	Batch ID: I05VW121	TestNo: EPA 8015B		Analysis Date: 6/24/2005	SeqNo: 759927						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C4-C12	ND	0.050									
Surr: Bromofluorobenzene (FID)	87.68	1.0	100	0	87.7	77	127	0	0		

Sample ID: I062405LC2	SampType: LCS	TestCode: HC_W_VOAL	Units: mg/L	Prep Date:	Run ID: GC6_050624A						
Client ID: ZZZZZ	Batch ID: I05VW121	TestNo: EPA 8015B		Analysis Date: 6/25/2005	SeqNo: 759929						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C4-C12	0.917	0.050	1	0	91.7	70	115	0	0		
Surr: Bromofluorobenzene (FID)	90.18	1.0	100	0	90.2	77	127	0	0		

Sample ID: I062405MB1MS	SampType: MS	TestCode: HC_W_VOAL	Units: mg/L	Prep Date:	Run ID: GC6_050624A						
Client ID: ZZZZZ	Batch ID: I05VW121	TestNo: EPA 8015B		Analysis Date: 6/24/2005	SeqNo: 759925						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C4-C12	0.866	0.050	1	0	86.6	64	117	0	0		
Surr: Bromofluorobenzene (FID)	88.88	1.0	100	0	88.9	77	127	0	0		

Sample ID: I062405MB1MSD	SampType: MSD	TestCode: HC_W_VOAL	Units: mg/L	Prep Date:	Run ID: GC6_050624A						
Client ID: ZZZZZ	Batch ID: I05VW121	TestNo: EPA 8015B		Analysis Date: 6/24/2005	SeqNo: 759926						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C4-C12	0.824	0.050	1	0	82.4	64	117	0.866	4.97	0	
Surr: Bromofluorobenzene (FID)	87	1.0	100	0	87	77	127	0	0	30	

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits
 B - Analyte detected in the associated Method Blank
 Calculations are based on raw values

DO- Surrogate dilute out
 H - Sample exceeded holding time



CLIENT: SCS Engineers
Work Order: 077298
Project: Long Beach Public Service Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT**TestCode: HC_S**

Sample ID: MB-23318	SampType: MBLK	TestCode: HC_S	Units: mg/Kg	Prep Date: 6/24/2005	Run ID: GC7_050624A						
Client ID: ZZZZZ	Batch ID: 23318	TestNo: EPA 8015B(M (LUFT)	Analysis Date: 6/24/2005	SeqNo: 759544							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C13-C22	ND	10									
Surr: p-Terphenyl	68.74	0	80	0	85.9	51	128	0	0		

Sample ID: MB-23319	SampType: MBLK	TestCode: HC_S	Units: mg/Kg	Prep Date: 6/24/2005	Run ID: GC7_BACK_050624B						
Client ID: ZZZZZ	Batch ID: 23319	TestNo: EPA 8015B(M (LUFT)	Analysis Date: 6/24/2005	SeqNo: 759608							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C13-C22	ND	10									
Surr: p-Terphenyl	75.6	0	80	0	94.5	51	128	0	0		

Sample ID: MB-23319	SampType: MBLK	TestCode: HC_S	Units: mg/Kg	Prep Date: 6/24/2005	Run ID: GC7_BACK_050624B						
Client ID: ZZZZZ	Batch ID: 23319	TestNo: EPA 8015B(M (LUFT)	Analysis Date: 6/28/2005	SeqNo: 759629							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C13-C22	ND	10									
Surr: p-Terphenyl	89.54	0	80	0	112	51	128	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
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S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values

DO- Surrogate dilute out
H - Sample exceeded holding time



CLIENT: SCS Engineers
Work Order: 077298
Project: Long Beach Public Service Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

TestCode: HC_S_SVOA

Sample ID: MB-23319	SampType: MBLK	TestCode: HC_S_SVOA	Units: mg/Kg	Prep Date: 6/24/2005	Run ID: GC7_BACK_050624B						
Client ID: ZZZZZ	Batch ID: 23319	TestNo: EPA 8015B	(LUFT)	Analysis Date: 6/24/2005	SeqNo: 757509						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C23-C32	ND	10									
T/R Hydrocarbons: >C32	ND	10									
Surr: p-Terphenyl	75.6	10	80	0	94.5	51	128	0	0		

Sample ID: MB-23318	SampType: MBLK	TestCode: HC_S_SVOA	Units: mg/Kg	Prep Date: 6/24/2005	Run ID: GC7_050624A						
Client ID: ZZZZZ	Batch ID: 23318	TestNo: EPA 8015B	(LUFT)	Analysis Date: 6/24/2005	SeqNo: 758227						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C23-C32	ND	10									
T/R Hydrocarbons: >C32	ND	10									
Surr: p-Terphenyl	68.74	10	80	0	85.9	51	128	0	0		

Sample ID: MB-23319	SampType: MBLK	TestCode: HC_S_SVOA	Units: mg/Kg	Prep Date: 6/24/2005	Run ID: GC7_BACK_050624B						
Client ID: ZZZZZ	Batch ID: 23319	TestNo: EPA 8015B	(LUFT)	Analysis Date: 6/28/2005	SeqNo: 758417						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C23-C32	ND	10									
T/R Hydrocarbons: >C32	ND	10									
Surr: p-Terphenyl	89.54	10	80	0	112	51	128	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
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S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values

DO- Surrogate dilute out
H - Sample exceeded holding time



CLIENT: SCS Engineers
Work Order: 077298
Project: Long Beach Public Service Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

TestCode: HC_W

Sample ID: MB-23355	SampType: MBLK	TestCode: HC_W	Units: mg/L	Prep Date: 6/28/2005	Run ID: GC7_BACK_050628A						
Client ID: ZZZZZ	Batch ID: 23355	TestNo: EPA 8015B(M (EPA 3510C)		Analysis Date: 6/28/2005	SeqNo: 759571						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C13-C22	ND	0.20									
Surr: p-Terphenyl	0.06606	0	0.08	0	82.6	33	123	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values

DO- Surrogate dilute out
H - Sample exceeded holding time



CLIENT: SCS Engineers
Work Order: 077298
Project: Long Beach Public Service Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

TestCode: HC_W_SVOA

Sample ID: MB-23355	SampType: MBLK	TestCode: HC_W_SVOA	Units: mg/L	Prep Date: 6/28/2005	Run ID: GC7_BACK_050628A						
Client ID: ZZZZZ	Batch ID: 23355	TestNo: EPA 8015B	(EPA 3510C)	Analysis Date: 6/28/2005	SeqNo: 758202						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C23-C32	ND	0.20									
T/R Hydrocarbons: >C32	ND	0.20									
Surr: p-Terphenyl	0.06606	0	0.08	0	82.6	33	123	0	0		

Sample ID: MB-23355	SampType: MBLK	TestCode: HC_W_SVOA	Units: mg/L	Prep Date: 6/28/2005	Run ID: GC7_BACK_050628A						
Client ID: ZZZZZ	Batch ID: 23355	TestNo: EPA 8015B	(EPA 3510C)	Analysis Date: 6/28/2005	SeqNo: 758911						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C23-C32	ND	0.20									
T/R Hydrocarbons: >C32	ND	0.20									
Surr: p-Terphenyl	0.06171	0	0.08	0	77.1	33	123	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
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S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values

DO- Surrogate dilute out
H - Sample exceeded holding time



CLIENT: SCS Engineers
Work Order: 077298
Project: Long Beach Public Service Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT**BatchID: 23318**

Sample ID: LCS-23318	SampType: LCS	TestCode: 8015_S_DM	Units: mg/Kg	Prep Date: 6/24/2005	Run ID: GC7_050624A						
Client ID: ZZZZZ	Batch ID: 23318	TestNo: EPA 8015B(M (LUFT)		Analysis Date: 6/24/2005	SeqNo: 758218						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	894.8	10	1000	0	89.5	68	126	0	0		
Surr: p-Terphenyl	57.39	0	80	0	71.7	51	128	0	0		

Sample ID: 077281-006AMS	SampType: MS	TestCode: 8015_S_DM	Units: mg/Kg	Prep Date: 6/24/2005	Run ID: GC7_050624A						
Client ID: ZZZZZ	Batch ID: 23318	TestNo: EPA 8015B(M (LUFT)		Analysis Date: 6/24/2005	SeqNo: 758219						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	858.5	10	1000	0	85.9	49	139	0	0		
Surr: p-Terphenyl	53.66	0	80	0	67.1	51	128	0	0		

Sample ID: 077281-006AMSD	SampType: MSD	TestCode: 8015_S_DM	Units: mg/Kg	Prep Date: 6/24/2005	Run ID: GC7_050624A						
Client ID: ZZZZZ	Batch ID: 23318	TestNo: EPA 8015B(M (LUFT)		Analysis Date: 6/24/2005	SeqNo: 758220						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	969.8	10	1000	0	97	49	139	858.5	12.2	30	
Surr: p-Terphenyl	61.59	0	80	0	77	51	128	0	0	30	

Sample ID: LCS-23318	SampType: LCS	TestCode: 8015_S_DSL	Units: mg/Kg	Prep Date: 6/24/2005	Run ID: GC7_050624A						
Client ID: ZZZZZ	Batch ID: 23318	TestNo: EPA 8015B(M (LUFT)		Analysis Date: 6/24/2005	SeqNo: 758292						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	894.8	10	1000	0	89.5	68	126	0	0		
Surr: p-Terphenyl	57.39	0	80	0	71.7	51	128	0	0		

Sample ID: LCS-23318	SampType: LCS	TestCode: 8015_S_DSL	Units: mg/Kg	Prep Date: 6/24/2005	Run ID: GC7_BACK_050628C						
Client ID: ZZZZZ	Batch ID: 23318	TestNo: EPA 8015B(M (LUFT)		Analysis Date: 6/28/2005	SeqNo: 758798						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike/Surrogate outside limits due to matrix interference DO - Surrogate diluted out
 J - Analyte detected below quantitation limits B - Analyte detected in the associated Method Blank H - Sample exceeded holding time
 R - RPD outside accepted recovery limits **Calculations are based on raw values**



CLIENT: SCS Engineers
Work Order: 077298
Project: Long Beach Public Service Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

BatchID: 23318

Sample ID: LCS-23318	SampType: LCS	TestCode: 8015_S_DSL	Units: mg/Kg	Prep Date: 6/24/2005	Run ID: GC7_BACK_050628C						
Client ID: ZZZZZ	Batch ID: 23318	TestNo: EPA 8015B(M (LUFT)		Analysis Date: 6/28/2005	SeqNo: 758798						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel	779.4	10	1000	0	77.9	68	126	0	0		
Surr: p-Terphenyl	94.09	0	80	0	118	51	128	0	0		

Sample ID: 077281-006AMS	SampType: MS	TestCode: 8015_S_DSL	Units: mg/Kg	Prep Date: 6/24/2005	Run ID: GC7_050624A						
Client ID: ZZZZZ	Batch ID: 23318	TestNo: EPA 8015B(M (LUFT)		Analysis Date: 6/24/2005	SeqNo: 758293						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel	858.5	10	1000	0	85.9	49	139	0	0		
Surr: p-Terphenyl	53.66	0	80	0	67.1	51	128	0	0		

Sample ID: 077281-006AMSD	SampType: MSD	TestCode: 8015_S_DSL	Units: mg/Kg	Prep Date: 6/24/2005	Run ID: GC7_050624A						
Client ID: ZZZZZ	Batch ID: 23318	TestNo: EPA 8015B(M (LUFT)		Analysis Date: 6/24/2005	SeqNo: 758294						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel	969.8	10	1000	0	97	49	139	858.5	12.2	30	
Surr: p-Terphenyl	61.59	0	80	0	77	51	128	0	0	0	

Qualifiers: ND - Not Detected at the Reporting Limit
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S - Spike/Surrogate outside limits due to matrix interference
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO - Surrogate diluted out
H - Sample exceeded holding time



CLIENT: SCS Engineers
Work Order: 077298
Project: Long Beach Public Service Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

BatchID: 23319

Sample ID: LCS-23319	SampType: LCS	TestCode: 8015_S_DM	Units: mg/Kg	Prep Date: 6/24/2005	Run ID: GC7_BACK_050624B						
Client ID: ZZZZZ	Batch ID: 23319	TestNo: EPA 8015B(M (LUFT)		Analysis Date: 6/24/2005	SeqNo: 757505						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	728.8	10	1000	0	72.9	68	126	0	0		
Surr: p-Terphenyl	75.69	0	80	0	94.6	51	128	0	0		

Sample ID: LCS-23319	SampType: LCS	TestCode: 8015_S_DM	Units: mg/Kg	Prep Date: 6/24/2005	Run ID: GC7_BACK_050624B						
Client ID: ZZZZZ	Batch ID: 23319	TestNo: EPA 8015B(M (LUFT)		Analysis Date: 6/28/2005	SeqNo: 758388						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	901.2	10	1000	0	90.1	68	126	0	0		
Surr: p-Terphenyl	95.95	0	80	0	120	51	128	0	0		

Sample ID: 077298-014AMS	SampType: MS	TestCode: 8015_S_DM	Units: mg/Kg	Prep Date: 6/24/2005	Run ID: GC7_BACK_050624B						
Client ID: B25-5	Batch ID: 23319	TestNo: EPA 8015B(M (LUFT)	Analysis Date: 6/24/2005	SeqNo: 757506							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	742.1	10	1000	0	74.2	49	139	0	0		
Surr: p-Terphenyl	70.12	0	80	0	87.7	51	128	0	0		

Sample ID: 077298-014AMSD	SampType: MSD	TestCode: 8015_S_DM	Units: mg/Kg	Prep Date: 6/24/2005	Run ID: GC7_BACK_050624B						
Client ID: B25-5	Batch ID: 23319	TestNo: EPA 8015B(M (LUFT)		Analysis Date: 6/24/2005	SeqNo: 757507						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	853.2	10	1000	0	85.3	49	139	742.1	13.9	30	
Surr: p-Terphenyl	71.1	0	80	0	88.9	51	128	0	0	30	

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
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S - Spike/Surrogate outside limits due to matrix interference
 B - Analyte detected in the associated Method Blank

Calculations are based on raw values

DO - Surrogate diluted out
 H - Sample exceeded holding time

CLIENT: SCS Engineers
Work Order: 077298
Project: Long Beach Public Service Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

BatchID: 23355

Sample ID: LCS-23355	SampType: LCS	TestCode: 8015_W_DM	Units: mg/L	Prep Date: 6/28/2005	Run ID: GC7_BACK_050628A						
Client ID: ZZZZZ	Batch ID: 23355	TestNo: EPA 8015B(M (EPA 3510C)	Analysis Date: 6/28/2005	SeqNo: 758182							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	0.7124	0.20	1	0	71.2	62	127	0	0		
Surr: p-Terphenyl	0.05946	0	0.08	0	74.3	33	123	0	0		

Sample ID: MB-23355MS	SampType: MS	TestCode: 8015_W_DM	Units: mg/L	Prep Date: 6/28/2005	Run ID: GC7_BACK_050628A						
Client ID: ZZZZZ	Batch ID: 23355	TestNo: EPA 8015B(M (EPA 3510C)		Analysis Date: 6/28/2005	SeqNo: 758183						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	0.7135	0.20	1	0	71.3	50	120	0	0		
Surr: p-Terphenyl	0.04931	0	0.08	0	61.6	33	123	0	0		

Sample ID: MB-23355MSD	SampType: MSD	TestCode: 8015_W_DM	Units: mg/L	Prep Date: 6/28/2005	Run ID: GC7_BACK_050628A						
Client ID: ZZZZZ	Batch ID: 23355	TestNo: EPA 8015B(M (EPA 3510C)	Analysis Date: 6/28/2005	SeqNo: 758184							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	0.8014	0.20	1	0	80.1	50	120	0	0		
Surr: p-Terphenyl	0.0662	0	0.08	0	82.7	33	123	0	0		

Sample ID: LCS-23355	SampType: LCS	TestCode: 8015_W_DSL	Units: mg/L	Prep Date: 6/28/2005	Run ID: GC7_BACK_050628A						
Client ID: ZZZZZ	Batch ID: 23355	TestNo: EPA 8015B(M (EPA 3510C)	Analysis Date: 6/28/2005	SeqNo: 758287							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	0.7124	0.050	1	0	71.2	62	127	0	0		
Surr: p-Terphenyl	0.05946	0	0.08	0	74.3	33	123	0	0		

Sample ID: LCS-23355	SampType: LCS	TestCode: 8015_W_DSL	Units: mg/L	Prep Date: 6/28/2005	Run ID: GC7_BACK_050628A						
Client ID: ZZZZZ	Batch ID: 23355	TestNo: EPA 8015B(M (EPA 3510C)		Analysis Date: 6/28/2005	SeqNo: 758888						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	0.6956	0.050	1	0	69.6	62	127	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike/Surrogate outside limits due to matrix interference DO - Surrogate diluted out
J - Analyte detected below quantitation limits B - Analyte detected in the associated Method Blank H - Sample exceeded holding time
R - RPD outside accepted recovery limits **Calculations are based on raw values**



CLIENT: SCS Engineers
Work Order: 077298
Project: Long Beach Public Service Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT**BatchID:** 23355

Sample ID: LCS-23355	SampType: LCS	TestCode: 8015_W_DSL	Units: mg/L	Prep Date: 6/28/2005	Run ID: GC7_BACK_050628A						
Client ID: ZZZZZ	Batch ID: 23355	TestNo: EPA 8015B(M (EPA 3510C)		Analysis Date: 6/28/2005	SeqNo: 758888						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: p-Terphenyl 0.06028 0 0.08 0 75.4 33 123 0 0

Sample ID: LCS-23355	SampType: LCS	TestCode: 8015_W_DSL	Units: mg/L	Prep Date: 6/28/2005	Run ID: GC7_BACK_050628A						
Client ID: ZZZZZ	Batch ID: 23355	TestNo: EPA 8015B(M (EPA 3510C)		Analysis Date: 6/29/2005	SeqNo: 758914						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel 0.6871 0.050 1 0 68.7 62 127 0 0
 Surr: p-Terphenyl 0.05649 0 0.08 0 70.6 33 123 0 0

Sample ID: MB-23355MS	SampType: MS	TestCode: 8015_W_DSL	Units: mg/L	Prep Date: 6/28/2005	Run ID: GC7_BACK_050628A						
Client ID: ZZZZZ	Batch ID: 23355	TestNo: EPA 8015B(M (EPA 3510C)		Analysis Date: 6/28/2005	SeqNo: 758288						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel 0.7135 0.050 1 0 71.3 50 120 0 0
 Surr: p-Terphenyl 0.04931 0 0.08 0 61.6 33 123 0 0

Sample ID: MB-23355MSD	SampType: MSD	TestCode: 8015_W_DSL	Units: mg/L	Prep Date: 6/28/2005	Run ID: GC7_BACK_050628A						
Client ID: ZZZZZ	Batch ID: 23355	TestNo: EPA 8015B(M (EPA 3510C)		Analysis Date: 6/28/2005	SeqNo: 758289						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel 0.8014 0.050 1 0 80.1 50 120 0 0
 Surr: p-Terphenyl 0.0662 0 0.08 0 82.7 33 123 0 0

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 R - RPD outside accepted recovery limits

S - Spike/Surrogate outside limits due to matrix interference
 B - Analyte detected in the associated Method Blank
Calculations are based on raw values

DO - Surrogate diluted out
 H - Sample exceeded holding time

CHAIN OF CUSTODY RECORD

Environmental Consultants				TOTAL NUMBER OF SAMPLES:		ANALYSES REQUESTED								LAB USE ONLY
10000 Beach Boulevard, 9th Floor Long Beach, California 90807-3315 Phone: (562) 426-9544 Fax: (562) 427-0805				PAGE 1 OF 2 TURNAROUND TIME REQUIRED: ☒ 5-Day ☐ 3-Day ☐ Immediate ☐ Other										
PROJECT NUMBER: 01204007.02 PROJECT NAME: Long Beach Public Service Yard PROJECT LOCATION: 1601 San Francisco Ave. SAMPLER NAME AND SIGNATURE: Kevin Green				PROJECT MANAGER: Kevin Green P.O. #:										
I.D. NUMBER	SAMPLE DESCRIPTION	SAMPLE MATRIX	DATE/TIME COLLECTED	CONTAINER SIZE/TYPE	SAMPLE PRESERVATIVE(S)	SPECIAL INSTRUCTIONS/COMMENTS								
	B1-1	soil	6-21-05	Acetate	⊗									
	B1-5						X							X
	B1-10													X
	B10-1						X							X
	B10-5													X
	B10-10													
	B11-1						X							
	B11-5													X
	B11-10													X
	B18-1						XX							
	B18-5													X
	B24-5						X							
	B24-10						XX							
	B25-1						XX							
	B25-5						XX							
NOTES:						SAMPLE CONDITION UPON RECEIPT:								
RELINQUISHED BY: Kevin Green DATE: 6-22-05 COMPANY: SCS						RECEIVED BY: KING ROURKA DATE: 6/22/05 COMPANY: ATL								
RELINQUISHED BY: Kevin Green DATE: 6-22-05 COMPANY: SCS						RELINQUISHED BY: KING ROURKA DATE: 6/22/05 COMPANY: ATL								

CHAIN OF CUSTODY RECORD

[illegible]

July 01, 2005



Kevin Green
SCS Engineers
3900 Kilroy Airport Way, Suite 100
Long Beach, CA 90806-6816

ELAP No.: 1838
NELAP No.: 02107CA
CSDLAC No.: 10196

TEL: (562) 426-9544
FAX: (562) 427-0805

Workorder No.: 077299

RE: LB Public Service Yard, 01204007.02

Attention: Kevin Green

Enclosed are the results for sample(s) received on June 22, 2005 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.



CLIENT: SCS Engineers
Project: LB Public Service Yard, 01204007.02
Lab Order: 077299

CASE NARRATIVE

All volatile analyses were performed using 5035 preservation requirements except for the following samples: B5-5', B14-5', B14-10', B19-1, B21-5, B22-1, B22-5, B23-1 and B9-1. Any high level dilutions were performed on a preserved methanol sample unless otherwise noted.



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT:	SCS Engineers	Client Sample ID:	B2-1'
Lab Order:	077299		
Project:	LB Public Service Yard, 01204007.02	Collection Date:	6/20/2005
Lab ID:	077299-001	Matrix:	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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ICP METALS

(EPA 3050B)

EPA 6010B

RunID: ICP6_050628A	QC Batch: 23346	PrepDate: 6/27/2005	Analyst: RQ		
Antimony	ND	2.0	mg/Kg	1	6/28/2005
Arsenic	2.8	1.0	mg/Kg	1	6/28/2005
Barium	1900	1.0	mg/Kg	1	6/28/2005
Beryllium	ND	1.0	mg/Kg	1	6/28/2005
Cadmium	1.6	1.0	mg/Kg	1	6/28/2005
Chromium	9.3	1.0	mg/Kg	1	6/28/2005
Cobalt	2.8	1.0	mg/Kg	1	6/28/2005
Copper	6.9	2.0	mg/Kg	1	6/28/2005
Lead	78	1.0	mg/Kg	1	6/28/2005
Molybdenum	ND	1.0	mg/Kg	1	6/28/2005
Nickel	6.4	1.0	mg/Kg	1	6/28/2005
Selenium	1.2	1.0	mg/Kg	1	6/28/2005
Silver	ND	1.0	mg/Kg	1	6/28/2005
Thallium	ND	1.0	mg/Kg	1	6/28/2005
Vanadium	17	1.0	mg/Kg	1	6/28/2005
Zinc	1200	1.0	mg/Kg	1	6/28/2005

MERCURY BY COLD VAPOR TECHNIQUE

(EPA 7471)

EPA 7471A

RunID: AA1_050628B	QC Batch: 23350	PrepDate: 6/27/2005	Analyst: JT		
Mercury	0.34	0.10	mg/Kg	1	6/28/2005

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	E - Value above quantitation range
	DO - Surrogate Diluted Out	H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT: SCS Engineers

Client Sample ID: B3-1'

Lab Order: 077299

Project: LB Public Service Yard, 01204007.02

Collection Date: 6/20/2005

Lab ID: 077299-002

Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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ICP METALS

(EPA 3050B)

EPA 6010B

RunID: ICP6_050628A	QC Batch: 23346	PrepDate: 6/27/2005	Analyst: RQ		
Antimony	ND	2.0	mg/Kg	1	6/28/2005
Arsenic	ND	1.0	mg/Kg	1	6/28/2005
Barium	69	1.0	mg/Kg	1	6/28/2005
Beryllium	ND	1.0	mg/Kg	1	6/28/2005
Cadmium	ND	1.0	mg/Kg	1	6/28/2005
Chromium	14	1.0	mg/Kg	1	6/28/2005
Cobalt	7.0	1.0	mg/Kg	1	6/28/2005
Copper	12	2.0	mg/Kg	1	6/28/2005
Lead	24	1.0	mg/Kg	1	6/28/2005
Molybdenum	ND	1.0	mg/Kg	1	6/28/2005
Nickel	17	1.0	mg/Kg	1	6/28/2005
Selenium	1.3	1.0	mg/Kg	1	6/28/2005
Silver	ND	1.0	mg/Kg	1	6/28/2005
Thallium	ND	1.0	mg/Kg	1	6/28/2005
Vanadium	26	1.0	mg/Kg	1	6/28/2005
Zinc	110	1.0	mg/Kg	1	6/28/2005

MERCURY BY COLD VAPOR TECHNIQUE

(EPA 7471)

EPA 7471A

RunID: AA1_050628B	QC Batch: 23350	PrepDate: 6/27/2005	Analyst: JT		
Mercury	ND	0.10	mg/Kg	1	6/28/2005

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT: SCS Engineers**Client Sample ID:** B5-5'**Lab Order:** 077299**Project:** LB Public Service Yard, 01204007.02**Collection Date:** 6/20/2005**Lab ID:** 077299-004**Matrix:** SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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ICP METALS

(EPA 3050B)

EPA 6010B

RunID: ICP6_050628A	QC Batch: 23346	PrepDate: 6/27/2005	Analyst: RQ		
Antimony	15	2.0	mg/Kg	1	6/28/2005
Arsenic	110	1.0	mg/Kg	1	6/28/2005
Barium	430	1.0	mg/Kg	1	6/28/2005
Beryllium	ND	1.0	mg/Kg	1	6/28/2005
Cadmium	5.6	1.0	mg/Kg	1	6/28/2005
Chromium	62	1.0	mg/Kg	1	6/28/2005
Cobalt	13	1.0	mg/Kg	1	6/28/2005
Copper	920	2.0	mg/Kg	1	6/28/2005
Lead	2400	1.0	mg/Kg	1	6/28/2005
Molybdenum	ND	1.0	mg/Kg	1	6/28/2005
Nickel	59	1.0	mg/Kg	1	6/28/2005
Selenium	1.2	1.0	mg/Kg	1	6/28/2005
Silver	ND	1.0	mg/Kg	1	6/28/2005
Thallium	ND	1.0	mg/Kg	1	6/28/2005
Vanadium	3.0	1.0	mg/Kg	1	6/28/2005
Zinc	3400	20	mg/Kg	20	6/28/2005

HYDROCARBON CHAIN IDENTIFICATION

(LUFT)

EPA 8015B(M)

RunID: GC7_BACK_050624B	QC Batch: 23319	PrepDate: 6/24/2005	Analyst: CBR		
T/R Hydrocarbons: C13-C22	ND	10	mg/Kg	1	6/24/2005

HYDROCARBON CHAIN IDENTIFICATION

(LUFT)

EPA 8015B

RunID: GC7_BACK_050624B	QC Batch: 23319	PrepDate: 6/24/2005	Analyst: CBR		
T/R Hydrocarbons: >C32	ND	10	mg/Kg	1	6/24/2005
T/R Hydrocarbons: C23-C32	ND	10	mg/Kg	1	6/24/2005

HYDROCARBON CHAIN IDENTIFICATION**EPA 8015B**

RunID: GC2_050623B	QC Batch: E05VS164	PrepDate:	Analyst: TT		
T/R Hydrocarbons: C4-C12	ND	1.0	mg/Kg	1	6/23/2005

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT: SCS Engineers

Client Sample ID: B5-5'

Lab Order: 077299

Project: LB Public Service Yard, 01204007.02

Collection Date: 6/20/2005

Lab ID: 077299-004

Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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MERCURY BY COLD VAPOR TECHNIQUE (EPA 7471)

EPA 7471A

RunID: AA1_050628B

QC Batch: 23350

PrepDate: 6/27/2005 Analyst: JT

Mercury

0.22

0.10

mg/Kg

1

6/28/2005

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology
Laboratories

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3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT:	SCS Engineers	Client Sample ID:	B13-1'
Lab Order:	077299		
Project:	LB Public Service Yard, 01204007.02	Collection Date:	6/20/2005
Lab ID:	077299-006	Matrix:	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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ICP METALS**(EPA 3050B)****EPA 6010B**

RunID: ICP6_050628A	QC Batch: 23346	PrepDate: 6/27/2005	Analyst: RQ		
Antimony	ND	2.0	mg/Kg	1	6/28/2005
Arsenic	2.3	1.0	mg/Kg	1	6/28/2005
Barium	110	1.0	mg/Kg	1	6/28/2005
Beryllium	ND	1.0	mg/Kg	1	6/28/2005
Cadmium	ND	1.0	mg/Kg	1	6/28/2005
Chromium	11	1.0	mg/Kg	1	6/28/2005
Cobalt	4.8	1.0	mg/Kg	1	6/28/2005
Copper	14	2.0	mg/Kg	1	6/28/2005
Lead	48	1.0	mg/Kg	1	6/28/2005
Molybdenum	ND	1.0	mg/Kg	1	6/28/2005
Nickel	7.7	1.0	mg/Kg	1	6/28/2005
Selenium	1.8	1.0	mg/Kg	1	6/28/2005
Silver	ND	1.0	mg/Kg	1	6/28/2005
Thallium	ND	1.0	mg/Kg	1	6/28/2005
Vanadium	23	1.0	mg/Kg	1	6/28/2005
Zinc	93	1.0	mg/Kg	1	6/28/2005

MERCURY BY COLD VAPOR TECHNIQUE**(EPA 7471)****EPA 7471A**

RunID: AA1_050628B	QC Batch: 23350	PrepDate: 6/27/2005	Analyst: JT		
Mercury	0.15	0.10	mg/Kg	1	6/28/2005

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	E - Value above quantitation range
	DO - Surrogate Diluted Out	H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT: SCS Engineers

Client Sample ID: B14-1'

Lab Order: 077299

Project: LB Public Service Yard, 01204007.02

Collection Date: 6/20/2005

Lab ID: 077299-007

Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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ICP METALS

(EPA 3050B)

EPA 6010B

RunID: ICP6_050628A	QC Batch: 23346	PrepDate: 6/27/2005	Analyst: RQ		
Antimony	ND	2.0	mg/Kg	1	6/28/2005
Arsenic	1.0	1.0	mg/Kg	1	6/28/2005
Barium	130	1.0	mg/Kg	1	6/28/2005
Beryllium	ND	1.0	mg/Kg	1	6/28/2005
Cadmium	ND	1.0	mg/Kg	1	6/28/2005
Chromium	13	1.0	mg/Kg	1	6/28/2005
Cobalt	6.8	1.0	mg/Kg	1	6/28/2005
Copper	12	2.0	mg/Kg	1	6/28/2005
Lead	8.8	1.0	mg/Kg	1	6/28/2005
Molybdenum	ND	1.0	mg/Kg	1	6/28/2005
Nickel	8.9	1.0	mg/Kg	1	6/28/2005
Selenium	1.3	1.0	mg/Kg	1	6/28/2005
Silver	ND	1.0	mg/Kg	1	6/28/2005
Thallium	ND	1.0	mg/Kg	1	6/28/2005
Vanadium	26	1.0	mg/Kg	1	6/28/2005
Zinc	47	1.0	mg/Kg	1	6/28/2005

MERCURY BY COLD VAPOR TECHNIQUE

(EPA 7471)

EPA 7471A

RunID: AA1_050628B	QC Batch: 23350	PrepDate: 6/27/2005	Analyst: JT		
Mercury	ND	0.10	mg/Kg	1	6/28/2005

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT:	SCS Engineers	Client Sample ID:	B14-5'
Lab Order:	077299		
Project:	LB Public Service Yard, 01204007.02	Collection Date:	6/20/2005
Lab ID:	077299-008	Matrix:	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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ICP METALS**(EPA 3050B)****EPA 6010B**

RunID: ICP6_050628A	QC Batch: 23346	PrepDate: 6/27/2005	Analyst: RQ		
Antimony	ND	2.0	mg/Kg	1	6/28/2005
Arsenic	2.4	1.0	mg/Kg	1	6/28/2005
Barium	620	1.0	mg/Kg	1	6/28/2005
Beryllium	ND	1.0	mg/Kg	1	6/28/2005
Cadmium	2.3	1.0	mg/Kg	1	6/28/2005
Chromium	21	1.0	mg/Kg	1	6/28/2005
Cobalt	5.7	1.0	mg/Kg	1	6/28/2005
Copper	97	2.0	mg/Kg	1	6/28/2005
Lead	1100	1.0	mg/Kg	1	6/28/2005
Molybdenum	ND	1.0	mg/Kg	1	6/28/2005
Nickel	18	1.0	mg/Kg	1	6/28/2005
Selenium	1.3	1.0	mg/Kg	1	6/28/2005
Silver	ND	1.0	mg/Kg	1	6/28/2005
Thallium	ND	1.0	mg/Kg	1	6/28/2005
Vanadium	14	1.0	mg/Kg	1	6/28/2005
Zinc	590	1.0	mg/Kg	1	6/28/2005

HYDROCARBON CHAIN IDENTIFICATION**(LUFT)****EPA 8015B(M)**

RunID: GC7_BACK_050624B	QC Batch: 23319	PrepDate: 6/24/2005	Analyst: CBR		
T/R Hydrocarbons: C13-C22	ND	10	mg/Kg	1	6/24/2005

HYDROCARBON CHAIN IDENTIFICATION**(LUFT)****EPA 8015B**

RunID: GC7_BACK_050624B	QC Batch: 23319	PrepDate: 6/24/2005	Analyst: CBR		
T/R Hydrocarbons: >C32	ND	10	mg/Kg	1	6/24/2005
T/R Hydrocarbons: C23-C32	ND	10	mg/Kg	1	6/24/2005

HYDROCARBON CHAIN IDENTIFICATION**EPA 8015B**

RunID: GC2_050623B	QC Batch: E05VS164	PrepDate:	Analyst: TT		
T/R Hydrocarbons: C4-C12	ND	1.0	mg/Kg	1	6/23/2005

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	E - Value above quantitation range
	DO - Surrogate Diluted Out	H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT: SCS Engineers

Client Sample ID: B14-5'

Lab Order: 077299

Project: LB Public Service Yard, 01204007.02

Collection Date: 6/20/2005

Lab ID: 077299-008

Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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MERCURY BY COLD VAPOR TECHNIQUE

(EPA 7471)

EPA 7471A

RunID: AA1_050628B

QC Batch: 23350

PrepDate: 6/27/2005 Analyst: JT

Mercury

0.11

0.10

mg/Kg

1

6/28/2005

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT: SCS Engineers**Client Sample ID:** B14-10'**Lab Order:** 077299**Project:** LB Public Service Yard, 01204007.02**Collection Date:** 6/20/2005**Lab ID:** 077299-009**Matrix:** SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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ICP METALS**(EPA 3050B)****EPA 6010B**

RunID: ICP6_050628A	QC Batch: 23346	PrepDate: 6/27/2005	Analyst: RQ		
Antimony	ND	2.0	mg/Kg	1	6/28/2005
Arsenic	ND	1.0	mg/Kg	1	6/28/2005
Barium	360	1.0	mg/Kg	1	6/28/2005
Beryllium	ND	1.0	mg/Kg	1	6/28/2005
Cadmium	1.0	1.0	mg/Kg	1	6/28/2005
Chromium	20	1.0	mg/Kg	1	6/28/2005
Cobalt	10	1.0	mg/Kg	1	6/28/2005
Copper	83	2.0	mg/Kg	1	6/28/2005
Lead	1300	1.0	mg/Kg	1	6/28/2005
Molybdenum	ND	1.0	mg/Kg	1	6/28/2005
Nickel	14	1.0	mg/Kg	1	6/28/2005
Selenium	1.9	1.0	mg/Kg	1	6/28/2005
Silver	ND	1.0	mg/Kg	1	6/28/2005
Thallium	ND	1.0	mg/Kg	1	6/28/2005
Vanadium	33	1.0	mg/Kg	1	6/28/2005
Zinc	290	1.0	mg/Kg	1	6/28/2005

HYDROCARBON CHAIN IDENTIFICATION**(LUFT)****EPA 8015B(M)**

RunID: GC7_BACK_050624B	QC Batch: 23319	PrepDate: 6/24/2005	Analyst: CBR		
T/R Hydrocarbons: C13-C22	ND	10	mg/Kg	1	6/24/2005

HYDROCARBON CHAIN IDENTIFICATION**(LUFT)****EPA 8015B**

RunID: GC7_BACK_050624B	QC Batch: 23319	PrepDate: 6/24/2005	Analyst: CBR		
T/R Hydrocarbons: >C32	ND	10	mg/Kg	1	6/24/2005
T/R Hydrocarbons: C23-C32	ND	10	mg/Kg	1	6/24/2005

HYDROCARBON CHAIN IDENTIFICATION**EPA 8015B**

RunID: GC2_050623B	QC Batch: E05VS164	PrepDate:	Analyst: TT		
T/R Hydrocarbons: C4-C12	ND	1.0	mg/Kg	1	6/23/2005

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT: SCS Engineers

Client Sample ID: B14-10'

Lab Order: 077299

Project: LB Public Service Yard, 01204007.02

Collection Date: 6/20/2005

Lab ID: 077299-009

Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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MERCURY BY COLD VAPOR TECHNIQUE

(EPA 7471)

EPA 7471A

RunID: AA1_050628B

QC Batch: 23350

PrepDate: 6/27/2005 Analyst: JT

Mercury

0.19

0.10

mg/Kg

1

6/28/2005

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT: SCS Engineers

Client Sample ID: B15-1'

Lab Order: 077299

Project: LB Public Service Yard, 01204007.02

Collection Date: 6/20/2005

Lab ID: 077299-010

Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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ORGANOCHLORINE PESTICIDES BY GC/ECD

(EPA 3550B)

EPA 8081A

RunID: GC5_050627A	QC Batch: 23335	PrepDate: 6/27/2005	Analyst: EES		
4,4'-DDD	ND	2.0	µg/Kg	1	6/27/2005
4,4'-DDE	ND	2.0	µg/Kg	1	6/27/2005
4,4'-DDT	ND	2.0	µg/Kg	1	6/27/2005
Aldrin	ND	1.0	µg/Kg	1	6/27/2005
alpha-BHC	ND	1.0	µg/Kg	1	6/27/2005
alpha-Chlordane	ND	1.0	µg/Kg	1	6/27/2005
beta-BHC	ND	1.0	µg/Kg	1	6/27/2005
Chlordane	ND	8.5	µg/Kg	1	6/27/2005
delta-BHC	ND	1.0	µg/Kg	1	6/27/2005
Dieldrin	ND	2.0	µg/Kg	1	6/27/2005
Endosulfan I	ND	1.0	µg/Kg	1	6/27/2005
Endosulfan II	ND	2.0	µg/Kg	1	6/27/2005
Endosulfan sulfate	ND	2.0	µg/Kg	1	6/27/2005
Endrin	ND	2.0	µg/Kg	1	6/27/2005
Endrin aldehyde	ND	2.0	µg/Kg	1	6/27/2005
Endrin ketone	ND	2.0	µg/Kg	1	6/27/2005
gamma-BHC	ND	1.0	µg/Kg	1	6/27/2005
gamma-Chlordane	ND	1.0	µg/Kg	1	6/27/2005
Heptachlor	ND	1.0	µg/Kg	1	6/27/2005
Heptachlor epoxide	ND	1.0	µg/Kg	1	6/27/2005
Methoxychlor	ND	8.5	µg/Kg	1	6/27/2005
Toxaphene	ND	85	µg/Kg	1	6/27/2005

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT: SCS Engineers

Client Sample ID: B15-5'

Lab Order: 077299

Project: LB Public Service Yard, 01204007.02

Collection Date: 6/20/2005

Lab ID: 077299-011

Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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**ORGANOCHLORINE PESTICIDES BY GC/ECD
(EPA 3550B)****EPA 8081A**

RunID: GC5_050627A	QC Batch: 23335	PrepDate: 6/27/2005	Analyst: EES		
4,4'-DDD	ND	2.0	µg/Kg	1	6/27/2005
4,4'-DDE	ND	2.0	µg/Kg	1	6/27/2005
4,4'-DDT	ND	2.0	µg/Kg	1	6/27/2005
Aldrin	ND	1.0	µg/Kg	1	6/27/2005
alpha-BHC	ND	1.0	µg/Kg	1	6/27/2005
alpha-Chlordane	ND	1.0	µg/Kg	1	6/27/2005
beta-BHC	ND	1.0	µg/Kg	1	6/27/2005
Chlordane	ND	8.5	µg/Kg	1	6/27/2005
delta-BHC	ND	1.0	µg/Kg	1	6/27/2005
Dieldrin	ND	2.0	µg/Kg	1	6/27/2005
Endosulfan I	ND	1.0	µg/Kg	1	6/27/2005
Endosulfan II	ND	2.0	µg/Kg	1	6/27/2005
Endosulfan sulfate	ND	2.0	µg/Kg	1	6/27/2005
Endrin	ND	2.0	µg/Kg	1	6/27/2005
Endrin aldehyde	ND	2.0	µg/Kg	1	6/27/2005
Endrin ketone	ND	2.0	µg/Kg	1	6/27/2005
gamma-BHC	ND	1.0	µg/Kg	1	6/27/2005
gamma-Chlordane	ND	1.0	µg/Kg	1	6/27/2005
Heptachlor	ND	1.0	µg/Kg	1	6/27/2005
Heptachlor epoxide	ND	1.0	µg/Kg	1	6/27/2005
Methoxychlor	ND	8.5	µg/Kg	1	6/27/2005
Toxaphene	ND	85	µg/Kg	1	6/27/2005

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

DO - Surrogate Diluted Out

H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT: SCS Engineers

Client Sample ID: B16-1'

Lab Order: 077299

Project: LB Public Service Yard, 01204007.02

Collection Date: 6/20/2005

Lab ID: 077299-012

Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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ORGANOCHLORINE PESTICIDES BY GC/ECD

(EPA 3550B)

EPA 8081A

RunID: GC5_050627A	QC Batch: 23335	PrepDate: 6/27/2005	Analyst: EES		
4,4'-DDD	ND	10	µg/Kg	5	6/27/2005
4,4'-DDE	ND	10	µg/Kg	5	6/27/2005
4,4'-DDT	ND	10	µg/Kg	5	6/27/2005
Aldrin	ND	5.0	µg/Kg	5	6/27/2005
alpha-BHC	ND	5.0	µg/Kg	5	6/27/2005
alpha-Chlordane	ND	5.0	µg/Kg	5	6/27/2005
beta-BHC	ND	5.0	µg/Kg	5	6/27/2005
Chlordane	ND	42	µg/Kg	5	6/27/2005
delta-BHC	ND	5.0	µg/Kg	5	6/27/2005
Dieldrin	ND	10	µg/Kg	5	6/27/2005
Endosulfan I	ND	5.0	µg/Kg	5	6/27/2005
Endosulfan II	ND	10	µg/Kg	5	6/27/2005
Endosulfan sulfate	ND	10	µg/Kg	5	6/27/2005
Endrin	ND	10	µg/Kg	5	6/27/2005
Endrin aldehyde	ND	10	µg/Kg	5	6/27/2005
Endrin ketone	ND	10	µg/Kg	5	6/27/2005
gamma-BHC	ND	5.0	µg/Kg	5	6/27/2005
gamma-Chlordane	ND	5.0	µg/Kg	5	6/27/2005
Heptachlor	ND	5.0	µg/Kg	5	6/27/2005
Heptachlor epoxide	ND	5.0	µg/Kg	5	6/27/2005
Methoxychlor	ND	42	µg/Kg	5	6/27/2005
Toxaphene	ND	420	µg/Kg	5	6/27/2005

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

DO - Surrogate Diluted Out

H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT: SCS Engineers

Client Sample ID: B16-5'

Lab Order: 077299

Project: LB Public Service Yard, 01204007.02

Collection Date: 6/20/2005

Lab ID: 077299-013

Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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ORGANOCHLORINE PESTICIDES BY GC/ECD

(EPA 3550B)

EPA 8081A

RunID: GC5_050627A	QC Batch: 23335	PrepDate: 6/27/2005	Analyst: EES		
4,4'-DDD	ND	10	µg/Kg	5	6/27/2005
4,4'-DDE	ND	10	µg/Kg	5	6/27/2005
4,4'-DDT	ND	10	µg/Kg	5	6/27/2005
Aldrin	ND	5.0	µg/Kg	5	6/27/2005
alpha-BHC	ND	5.0	µg/Kg	5	6/27/2005
alpha-Chlordane	ND	5.0	µg/Kg	5	6/27/2005
beta-BHC	ND	5.0	µg/Kg	5	6/27/2005
Chlordane	ND	42	µg/Kg	5	6/27/2005
delta-BHC	ND	5.0	µg/Kg	5	6/27/2005
Dieldrin	ND	10	µg/Kg	5	6/27/2005
Endosulfan I	ND	5.0	µg/Kg	5	6/27/2005
Endosulfan II	ND	10	µg/Kg	5	6/27/2005
Endosulfan sulfate	ND	10	µg/Kg	5	6/27/2005
Endrin	ND	10	µg/Kg	5	6/27/2005
Endrin aldehyde	ND	10	µg/Kg	5	6/27/2005
Endrin ketone	ND	10	µg/Kg	5	6/27/2005
gamma-BHC	ND	5.0	µg/Kg	5	6/27/2005
gamma-Chlordane	ND	5.0	µg/Kg	5	6/27/2005
Heptachlor	ND	5.0	µg/Kg	5	6/27/2005
Heptachlor epoxide	ND	5.0	µg/Kg	5	6/27/2005
Methoxychlor	ND	42	µg/Kg	5	6/27/2005
Toxaphene	ND	420	µg/Kg	5	6/27/2005

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

DO - Surrogate Diluted Out

H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT: SCS Engineers

Client Sample ID: B12-1'

Lab Order: 077299

Project: LB Public Service Yard, 01204007.02

Collection Date: 6/20/2005

Lab ID: 077299-014

Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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ICP METALS

(EPA 3050B)

EPA 6010B

RunID: ICP6_050628A	QC Batch: 23346	PrepDate: 6/27/2005	Analyst: RQ		
Antimony	ND	2.0	mg/Kg	1	6/28/2005
Arsenic	4.8	1.0	mg/Kg	1	6/28/2005
Barium	380	1.0	mg/Kg	1	6/28/2005
Beryllium	ND	1.0	mg/Kg	1	6/28/2005
Cadmium	4.0	1.0	mg/Kg	1	6/28/2005
Chromium	56	1.0	mg/Kg	1	6/28/2005
Cobalt	9.6	1.0	mg/Kg	1	6/28/2005
Copper	390	2.0	mg/Kg	1	6/28/2005
Lead	990	1.0	mg/Kg	1	6/28/2005
Molybdenum	ND	1.0	mg/Kg	1	6/28/2005
Nickel	44	1.0	mg/Kg	1	6/28/2005
Selenium	ND	1.0	mg/Kg	1	6/28/2005
Silver	ND	1.0	mg/Kg	1	6/28/2005
Thallium	ND	1.0	mg/Kg	1	6/28/2005
Vanadium	11	1.0	mg/Kg	1	6/28/2005
Zinc	1400	1.0	mg/Kg	1	6/28/2005

MERCURY BY COLD VAPOR TECHNIQUE

(EPA 7471)

EPA 7471A

RunID: AA1_050628B	QC Batch: 23350	PrepDate: 6/27/2005	Analyst: JT		
Mercury	0.36	0.10	mg/Kg	1	6/28/2005

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT: SCS Engineers

Client Sample ID: B12-5'

Lab Order: 077299

Project: LB Public Service Yard, 01204007.02

Collection Date: 6/20/2005

Lab ID: 077299-015

Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
HYDROCARBON CHAIN IDENTIFICATION						
(LUFT)			EPA 8015B(M)			
RunID: GC7_BACK_050624B	QC Batch: 23319			PrepDate: 6/24/2005		Analyst: CBR
T/R Hydrocarbons: C13-C22	ND	10		mg/Kg	1	6/24/2005
HYDROCARBON CHAIN IDENTIFICATION						
(LUFT)			EPA 8015B			
RunID: GC7_BACK_050624B	QC Batch: 23319			PrepDate: 6/24/2005		Analyst: CBR
T/R Hydrocarbons: >C32	42	10		mg/Kg	1	6/24/2005
T/R Hydrocarbons: C23-C32	63	10		mg/Kg	1	6/24/2005
HYDROCARBON CHAIN IDENTIFICATION						
			EPA 8015B			
RunID: GC2_050623B	QC Batch: E05VS164			PrepDate: 6/20/2005		Analyst: TT
T/R Hydrocarbons: C4-C12	ND	41		mg/Kg	50	6/23/2005
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
			EPA 8260B			
RunID: MS1_050624A	QC Batch: P05VS095			PrepDate: 6/20/2005		Analyst: HH
1,1,1,2-Tetrachloroethane	ND	4.6		µg/Kg	1	6/24/2005
1,1,1-Trichloroethane	ND	4.6		µg/Kg	1	6/24/2005
1,1,2,2-Tetrachloroethane	ND	4.6		µg/Kg	1	6/24/2005
1,1,2-Trichloroethane	ND	4.6		µg/Kg	1	6/24/2005
1,1-Dichloroethane	ND	4.6		µg/Kg	1	6/24/2005
1,1-Dichloroethene	ND	4.6		µg/Kg	1	6/24/2005
1,1-Dichloropropene	ND	4.6		µg/Kg	1	6/24/2005
1,2,3-Trichlorobenzene	ND	4.6		µg/Kg	1	6/24/2005
1,2,3-Trichloropropane	ND	4.6		µg/Kg	1	6/24/2005
1,2,4-Trichlorobenzene	ND	4.6		µg/Kg	1	6/24/2005
1,2,4-Trimethylbenzene	ND	4.6		µg/Kg	1	6/24/2005
1,2-Dibromo-3-chloropropane	ND	9.3		µg/Kg	1	6/24/2005
1,2-Dibromoethane	ND	4.6		µg/Kg	1	6/24/2005
1,2-Dichlorobenzene	ND	4.6		µg/Kg	1	6/24/2005
1,2-Dichloroethane	ND	4.6		µg/Kg	1	6/24/2005
1,2-Dichloropropane	ND	4.6		µg/Kg	1	6/24/2005
1,3,5-Trimethylbenzene	ND	4.6		µg/Kg	1	6/24/2005
1,3-Dichlorobenzene	ND	4.6		µg/Kg	1	6/24/2005
1,3-Dichloropropane	ND	4.6		µg/Kg	1	6/24/2005

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 DO - Surrogate Diluted Out

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT: SCS Engineers
Lab Order: 077299
Project: LB Public Service Yard, 01204007.02
Lab ID: 077299-015

Client Sample ID: B12-5'
Collection Date: 6/20/2005
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID:	MS1_050624A	QC Batch:	P05VS095	PrepDate:	6/20/2005	Analyst:	HH
1,4-Dichlorobenzene	ND	4.6	µg/Kg	1		6/24/2005	
2,2-Dichloropropane	ND	4.6	µg/Kg	1		6/24/2005	
2-Chlorotoluene	ND	4.6	µg/Kg	1		6/24/2005	
4-Chlorotoluene	ND	4.6	µg/Kg	1		6/24/2005	
4-Isopropyltoluene	ND	4.6	µg/Kg	1		6/24/2005	
Benzene	ND	4.6	µg/Kg	1		6/24/2005	
Bromobenzene	ND	4.6	µg/Kg	1		6/24/2005	
Bromodichloromethane	ND	4.6	µg/Kg	1		6/24/2005	
Bromoform	ND	4.6	µg/Kg	1		6/24/2005	
Bromomethane	ND	4.6	µg/Kg	1		6/24/2005	
Carbon tetrachloride	ND	4.6	µg/Kg	1		6/24/2005	
Chlorobenzene	ND	4.6	µg/Kg	1		6/24/2005	
Chloroethane	ND	4.6	µg/Kg	1		6/24/2005	
Chloroform	ND	4.6	µg/Kg	1		6/24/2005	
Chloromethane	ND	4.6	µg/Kg	1		6/24/2005	
cis-1,2-Dichloroethene	ND	4.6	µg/Kg	1		6/24/2005	
cis-1,3-Dichloropropene	ND	4.6	µg/Kg	1		6/24/2005	
Dibromochloromethane	ND	4.6	µg/Kg	1		6/24/2005	
Dibromomethane	ND	4.6	µg/Kg	1		6/24/2005	
Dichlorodifluoromethane	ND	4.6	µg/Kg	1		6/24/2005	
Ethylbenzene	ND	4.6	µg/Kg	1		6/24/2005	
Hexachlorobutadiene	ND	4.6	µg/Kg	1		6/24/2005	
Isopropylbenzene	ND	4.6	µg/Kg	1		6/24/2005	
m,p-Xylene	ND	9.3	µg/Kg	1		6/24/2005	
Methylene chloride	ND	4.6	µg/Kg	1		6/24/2005	
n-Butylbenzene	ND	4.6	µg/Kg	1		6/24/2005	
n-Propylbenzene	ND	4.6	µg/Kg	1		6/24/2005	
Naphthalene	ND	4.6	µg/Kg	1		6/24/2005	
o-Xylene	ND	4.6	µg/Kg	1		6/24/2005	
sec-Butylbenzene	ND	4.6	µg/Kg	1		6/24/2005	
Styrene	ND	4.6	µg/Kg	1		6/24/2005	
tert-Butylbenzene	ND	4.6	µg/Kg	1		6/24/2005	
Tetrachloroethene	ND	4.6	µg/Kg	1		6/24/2005	
Toluene	ND	4.6	µg/Kg	1		6/24/2005	
trans-1,2-Dichloroethene	ND	4.6	µg/Kg	1		6/24/2005	
Trichloroethene	ND	4.6	µg/Kg	1		6/24/2005	

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank E - Value above quantitation range
DO - Surrogate Diluted Out H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT: SCS Engineers

Client Sample ID: B12-5'

Lab Order: 077299

Project: LB Public Service Yard, 01204007.02

Collection Date: 6/20/2005

Lab ID: 077299-015

Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 8260B**

RunID: MS1_050624A	QC Batch: P05VS095	PrepDate: 6/20/2005	Analyst: HH		
Trichlorofluoromethane	ND	4.6	µg/Kg	1	6/24/2005
Vinyl chloride	ND	4.6	µg/Kg	1	6/24/2005

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT:	SCS Engineers	Client Sample ID:	B19-1
Lab Order:	077299		
Project:	LB Public Service Yard, 01204007.02	Collection Date:	6/20/2005 10:36:00 AM
Lab ID:	077299-017	Matrix:	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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ICP METALS

(EPA 3050B)

EPA 6010B

RunID: ICP6_050628A	QC Batch: 23346	PrepDate: 6/27/2005	Analyst: RQ		
Antimony	ND	2.0	mg/Kg	1	6/28/2005
Arsenic	2.6	1.0	mg/Kg	1	6/28/2005
Barium	96	1.0	mg/Kg	1	6/28/2005
Beryllium	ND	1.0	mg/Kg	1	6/28/2005
Cadmium	ND	1.0	mg/Kg	1	6/28/2005
Chromium	13	1.0	mg/Kg	1	6/28/2005
Cobalt	7.4	1.0	mg/Kg	1	6/28/2005
Copper	28	2.0	mg/Kg	1	6/28/2005
Lead	150	1.0	mg/Kg	1	6/28/2005
Molybdenum	ND	1.0	mg/Kg	1	6/28/2005
Nickel	12	1.0	mg/Kg	1	6/28/2005
Selenium	1.8	1.0	mg/Kg	1	6/28/2005
Silver	ND	1.0	mg/Kg	1	6/28/2005
Thallium	ND	1.0	mg/Kg	1	6/28/2005
Vanadium	26	1.0	mg/Kg	1	6/28/2005
Zinc	97	1.0	mg/Kg	1	6/28/2005

HYDROCARBON CHAIN IDENTIFICATION

(LUFT)

EPA 8015B(M)

RunID: GC7_BACK_050624B	QC Batch: 23319	PrepDate: 6/24/2005	Analyst: CBR		
T/R Hydrocarbons: C13-C22	12	10	mg/Kg	1	6/25/2005

HYDROCARBON CHAIN IDENTIFICATION

(LUFT)

EPA 8015B

RunID: GC7_BACK_050624B	QC Batch: 23319	PrepDate: 6/24/2005	Analyst: CBR		
T/R Hydrocarbons: >C32	85	10	mg/Kg	1	6/25/2005
T/R Hydrocarbons: C23-C32	95	10	mg/Kg	1	6/25/2005

HYDROCARBON CHAIN IDENTIFICATION

EPA 8015B

RunID: GC2_050623B	QC Batch: E05VS164	PrepDate:	Analyst: TT		
T/R Hydrocarbons: C4-C12	ND	1.0	mg/Kg	1	6/24/2005

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	E - Value above quantitation range
	DO - Surrogate Diluted Out	H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT: SCS Engineers

Client Sample ID: B19-1

Lab Order: 077299

Project: LB Public Service Yard, 01204007.02

Collection Date: 6/20/2005 10:36:00 AM

Lab ID: 077299-017

Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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MERCURY BY COLD VAPOR TECHNIQUE

(EPA 7471)

EPA 7471A

RunID: AA1_050628B

QC Batch: 23350

PrepDate: 6/27/2005 Analyst: JT

Mercury

ND

0.10

mg/Kg

1

6/28/2005

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT: SCS Engineers **Client Sample ID:** B19-5
Lab Order: 077299
Project: LB Public Service Yard, 01204007.02 **Collection Date:** 6/20/2005 10:40:00 AM
Lab ID: 077299-018 **Matrix:** SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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ICP METALS

(EPA 3050B)		EPA 6010B	
RunID:	QC Batch:	PrepDate:	Analyst:
ICP6_050628A	23346	6/27/2005	RQ
Antimony	ND	2.0	mg/Kg
Arsenic	1.5	1.0	mg/Kg
Barium	110	1.0	mg/Kg
Beryllium	ND	1.0	mg/Kg
Cadmium	ND	1.0	mg/Kg
Chromium	17	1.0	mg/Kg
Cobalt	9.9	1.0	mg/Kg
Copper	22	2.0	mg/Kg
Lead	5.2	1.0	mg/Kg
Molybdenum	ND	1.0	mg/Kg
Nickel	14	1.0	mg/Kg
Selenium	2.4	1.0	mg/Kg
Silver	ND	1.0	mg/Kg
Thallium	ND	1.0	mg/Kg
Vanadium	38	1.0	mg/Kg
Zinc	43	1.0	mg/Kg

HYDROCARBON CHAIN IDENTIFICATION (LUFT)

(EPA 8015B(M))	
RunID:	QC Batch:
GC7_BACK_050624B	23319
T/R Hydrocarbons: C13-C22	ND

HYDROCARBON CHAIN IDENTIFICATION (LUFT)

(EPA 8015B)	
RunID:	QC Batch:
GC7_BACK_050624B	23319
T/R Hydrocarbons: >C32	ND
T/R Hydrocarbons: C23-C32	ND

HYDROCARBON CHAIN IDENTIFICATION

(EPA 8015B)	
RunID:	QC Batch:
GC2_050623B	E05VS164
T/R Hydrocarbons: C4-C12	ND

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank E - Value above quantitation range
 DO - Surrogate Diluted Out H-Samples exceeding holding time

Results are wet unless otherwise specified

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Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT:	SCS Engineers	Client Sample ID:	B19-5
Lab Order:	077299		
Project:	LB Public Service Yard, 01204007.02	Collection Date:	6/20/2005 10:40:00 AM
Lab ID:	077299-018	Matrix:	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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MERCURY BY COLD VAPOR TECHNIQUE

(EPA 7471)

EPA 7471A

RunID:	AA1_050628B	QC Batch:	23350	PrepDate:	6/27/2005	Analyst:	JT
Mercury	ND	0.10	mg/Kg	1	6/28/2005		

VOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 8260B**

RunID:	MS1_050624A	QC Batch:	P05VS095	PrepDate:	6/20/2005	Analyst:	HH
1,1,1,2-Tetrachloroethane	ND	4.1	µg/Kg	1	6/24/2005		
1,1,1-Trichloroethane	ND	4.1	µg/Kg	1	6/24/2005		
1,1,2,2-Tetrachloroethane	ND	4.1	µg/Kg	1	6/24/2005		
1,1,2-Trichloroethane	ND	4.1	µg/Kg	1	6/24/2005		
1,1-Dichloroethane	ND	4.1	µg/Kg	1	6/24/2005		
1,1-Dichloroethene	ND	4.1	µg/Kg	1	6/24/2005		
1,1-Dichloropropene	ND	4.1	µg/Kg	1	6/24/2005		
1,2,3-Trichlorobenzene	ND	4.1	µg/Kg	1	6/24/2005		
1,2,3-Trichloropropane	ND	4.1	µg/Kg	1	6/24/2005		
1,2,4-Trichlorobenzene	ND	4.1	µg/Kg	1	6/24/2005		
1,2,4-Trimethylbenzene	ND	4.1	µg/Kg	1	6/24/2005		
1,2-Dibromo-3-chloropropane	ND	8.2	µg/Kg	1	6/24/2005		
1,2-Dibromoethane	ND	4.1	µg/Kg	1	6/24/2005		
1,2-Dichlorobenzene	ND	4.1	µg/Kg	1	6/24/2005		
1,2-Dichloroethane	ND	4.1	µg/Kg	1	6/24/2005		
1,2-Dichloropropane	ND	4.1	µg/Kg	1	6/24/2005		
1,3,5-Trimethylbenzene	ND	4.1	µg/Kg	1	6/24/2005		
1,3-Dichlorobenzene	ND	4.1	µg/Kg	1	6/24/2005		
1,3-Dichloropropane	ND	4.1	µg/Kg	1	6/24/2005		
1,4-Dichlorobenzene	ND	4.1	µg/Kg	1	6/24/2005		
2,2-Dichloropropane	ND	4.1	µg/Kg	1	6/24/2005		
2-Chlorotoluene	ND	4.1	µg/Kg	1	6/24/2005		
4-Chlorotoluene	ND	4.1	µg/Kg	1	6/24/2005		
4-Isopropyltoluene	ND	4.1	µg/Kg	1	6/24/2005		
Benzene	ND	4.1	µg/Kg	1	6/24/2005		
Bromobenzene	ND	4.1	µg/Kg	1	6/24/2005		
Bromodichloromethane	ND	4.1	µg/Kg	1	6/24/2005		
Bromoform	ND	4.1	µg/Kg	1	6/24/2005		
Bromomethane	ND	4.1	µg/Kg	1	6/24/2005		
Carbon tetrachloride	ND	4.1	µg/Kg	1	6/24/2005		
Chlorobenzene	ND	4.1	µg/Kg	1	6/24/2005		

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	E - Value above quantitation range
	DO - Surrogate Diluted Out	H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT: SCS Engineers

Client Sample ID: B19-5

Lab Order: 077299

Project: LB Public Service Yard, 01204007.02

Collection Date: 6/20/2005 10:40:00 AM

Lab ID: 077299-018

Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 8260B**

RunID: MS1_050624A	QC Batch: P05VS095	PrepDate: 6/20/2005	Analyst: HH		
Chloroethane	ND	4.1	µg/Kg	1	6/24/2005
Chloroform	ND	4.1	µg/Kg	1	6/24/2005
Chloromethane	ND	4.1	µg/Kg	1	6/24/2005
cis-1,2-Dichloroethene	ND	4.1	µg/Kg	1	6/24/2005
cis-1,3-Dichloropropene	ND	4.1	µg/Kg	1	6/24/2005
Dibromochloromethane	ND	4.1	µg/Kg	1	6/24/2005
Dibromomethane	ND	4.1	µg/Kg	1	6/24/2005
Dichlorodifluoromethane	ND	4.1	µg/Kg	1	6/24/2005
Ethylbenzene	ND	4.1	µg/Kg	1	6/24/2005
Hexachlorobutadiene	ND	4.1	µg/Kg	1	6/24/2005
Isopropylbenzene	ND	4.1	µg/Kg	1	6/24/2005
m,p-Xylene	ND	8.2	µg/Kg	1	6/24/2005
Methylene chloride	ND	4.1	µg/Kg	1	6/24/2005
n-Butylbenzene	ND	4.1	µg/Kg	1	6/24/2005
n-Propylbenzene	ND	4.1	µg/Kg	1	6/24/2005
Naphthalene	ND	4.1	µg/Kg	1	6/24/2005
o-Xylene	ND	4.1	µg/Kg	1	6/24/2005
sec-Butylbenzene	ND	4.1	µg/Kg	1	6/24/2005
Styrene	ND	4.1	µg/Kg	1	6/24/2005
tert-Butylbenzene	ND	4.1	µg/Kg	1	6/24/2005
Tetrachloroethene	ND	4.1	µg/Kg	1	6/24/2005
Toluene	ND	4.1	µg/Kg	1	6/24/2005
trans-1,2-Dichloroethene	ND	4.1	µg/Kg	1	6/24/2005
Trichloroethene	ND	4.1	µg/Kg	1	6/24/2005
Trichlorofluoromethane	ND	4.1	µg/Kg	1	6/24/2005
Vinyl chloride	ND	4.1	µg/Kg	1	6/24/2005

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT: SCS Engineers**Client Sample ID:** B7-5**Lab Order:** 077299**Project:** LB Public Service Yard, 01204007.02**Collection Date:** 6/20/2005 12:09:00 PM**Lab ID:** 077299-023**Matrix:** SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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**HYDROCARBON CHAIN IDENTIFICATION
(LUFT)****EPA 8015B(M)**

RunID: GC7_BACK_050624B	QC Batch: 23319				PrepDate: 6/24/2005	Analyst: CBR
T/R Hydrocarbons: C13-C22	ND	10		mg/Kg	1	6/24/2005

**HYDROCARBON CHAIN IDENTIFICATION
(LUFT)****EPA 8015B**

RunID: GC7_BACK_050624B	QC Batch: 23319				PrepDate: 6/24/2005	Analyst: CBR
T/R Hydrocarbons: >C32	ND	10		mg/Kg	1	6/24/2005
T/R Hydrocarbons: C23-C32	ND	10		mg/Kg	1	6/24/2005

HYDROCARBON CHAIN IDENTIFICATION**EPA 8015B**

RunID: GC2_050623B	QC Batch: E05VS164				PrepDate: 6/20/2005	Analyst: TT
T/R Hydrocarbons: C4-C12	ND	45		mg/Kg	50	6/24/2005

VOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 8260B**

RunID: MS1_050627A	QC Batch: P05VS096				PrepDate: 6/20/2005	Analyst: HH
1,1,1,2-Tetrachloroethane	ND	4.2		µg/Kg	1	6/27/2005
1,1,1-Trichloroethane	ND	4.2		µg/Kg	1	6/27/2005
1,1,2,2-Tetrachloroethane	ND	4.2		µg/Kg	1	6/27/2005
1,1,2-Trichloroethane	ND	4.2		µg/Kg	1	6/27/2005
1,1-Dichloroethane	ND	4.2		µg/Kg	1	6/27/2005
1,1-Dichloroethene	ND	4.2		µg/Kg	1	6/27/2005
1,1-Dichloropropene	ND	4.2		µg/Kg	1	6/27/2005
1,2,3-Trichlorobenzene	ND	4.2		µg/Kg	1	6/27/2005
1,2,3-Trichloropropane	ND	4.2		µg/Kg	1	6/27/2005
1,2,4-Trichlorobenzene	ND	4.2		µg/Kg	1	6/27/2005
1,2,4-Trimethylbenzene	ND	4.2		µg/Kg	1	6/27/2005
1,2-Dibromo-3-chloropropane	ND	8.5		µg/Kg	1	6/27/2005
1,2-Dibromoethane	ND	4.2		µg/Kg	1	6/27/2005
1,2-Dichlorobenzene	ND	4.2		µg/Kg	1	6/27/2005
1,2-Dichloroethane	ND	4.2		µg/Kg	1	6/27/2005
1,2-Dichloropropane	ND	4.2		µg/Kg	1	6/27/2005
1,3,5-Trimethylbenzene	ND	4.2		µg/Kg	1	6/27/2005
1,3-Dichlorobenzene	ND	4.2		µg/Kg	1	6/27/2005
1,3-Dichloropropane	ND	4.2		µg/Kg	1	6/27/2005

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT: SCS Engineers

Client Sample ID: B7-5

Lab Order: 077299

Project: LB Public Service Yard, 01204007.02

Collection Date: 6/20/2005 12:09:00 PM

Lab ID: 077299-023

Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 8260B**

RunID: MS1_050627A	QC Batch: P05VS096	PrepDate: 6/20/2005	Analyst: HH		
1,4-Dichlorobenzene	ND	4.2	µg/Kg	1	6/27/2005
2,2-Dichloropropane	ND	4.2	µg/Kg	1	6/27/2005
2-Chlorotoluene	ND	4.2	µg/Kg	1	6/27/2005
4-Chlorotoluene	ND	4.2	µg/Kg	1	6/27/2005
4-Isopropyltoluene	ND	4.2	µg/Kg	1	6/27/2005
Benzene	ND	4.2	µg/Kg	1	6/27/2005
Bromobenzene	ND	4.2	µg/Kg	1	6/27/2005
Bromodichloromethane	ND	4.2	µg/Kg	1	6/27/2005
Bromoform	ND	4.2	µg/Kg	1	6/27/2005
Bromomethane	ND	4.2	µg/Kg	1	6/27/2005
Carbon tetrachloride	ND	4.2	µg/Kg	1	6/27/2005
Chlorobenzene	ND	4.2	µg/Kg	1	6/27/2005
Chloroethane	ND	4.2	µg/Kg	1	6/27/2005
Chloroform	ND	4.2	µg/Kg	1	6/27/2005
Chloromethane	ND	4.2	µg/Kg	1	6/27/2005
cis-1,2-Dichloroethene	ND	4.2	µg/Kg	1	6/27/2005
cis-1,3-Dichloropropene	ND	4.2	µg/Kg	1	6/27/2005
Dibromochloromethane	ND	4.2	µg/Kg	1	6/27/2005
Dibromomethane	ND	4.2	µg/Kg	1	6/27/2005
Dichlorodifluoromethane	ND	4.2	µg/Kg	1	6/27/2005
Ethylbenzene	ND	4.2	µg/Kg	1	6/27/2005
Hexachlorobutadiene	ND	4.2	µg/Kg	1	6/27/2005
Isopropylbenzene	ND	4.2	µg/Kg	1	6/27/2005
m,p-Xylene	ND	8.5	µg/Kg	1	6/27/2005
Methylene chloride	ND	4.2	µg/Kg	1	6/27/2005
n-Butylbenzene	ND	4.2	µg/Kg	1	6/27/2005
n-Propylbenzene	ND	4.2	µg/Kg	1	6/27/2005
Naphthalene	ND	4.2	µg/Kg	1	6/27/2005
o-Xylene	ND	4.2	µg/Kg	1	6/27/2005
sec-Butylbenzene	ND	4.2	µg/Kg	1	6/27/2005
Styrene	ND	4.2	µg/Kg	1	6/27/2005
tert-Butylbenzene	ND	4.2	µg/Kg	1	6/27/2005
Tetrachloroethene	ND	4.2	µg/Kg	1	6/27/2005
Toluene	ND	4.2	µg/Kg	1	6/27/2005
trans-1,2-Dichloroethene	ND	4.2	µg/Kg	1	6/27/2005
Trichloroethene	ND	4.2	µg/Kg	1	6/27/2005

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

DO - Surrogate Diluted Out

H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT: SCS Engineers

Client Sample ID: B7-5

Lab Order: 077299

Project: LB Public Service Yard, 01204007.02

Collection Date: 6/20/2005 12:09:00 PM

Lab ID: 077299-023

Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS1_050627A	QC Batch: P05VS096	PrepDate: 6/20/2005	Analyst: HH		
Trichlorofluoromethane	ND	4.2	µg/Kg	1	6/27/2005
Vinyl chloride	ND	4.2	µg/Kg	1	6/27/2005

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT: SCS Engineers

Client Sample ID: B8-5

Lab Order: 077299

Project: LB Public Service Yard, 01204007.02

Collection Date: 6/20/2005 12:27:00 PM

Lab ID: 077299-026

Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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ICP METALS

(EPA 3050B)

EPA 6010B

RunID: ICP6_050628A	QC Batch: 23346	PrepDate: 6/27/2005	Analyst: RQ		
Antimony	ND	2.0	mg/Kg	1	6/28/2005
Arsenic	3.2	1.0	mg/Kg	1	6/28/2005
Barium	160	1.0	mg/Kg	1	6/28/2005
Beryllium	ND	1.0	mg/Kg	1	6/28/2005
Cadmium	ND	1.0	mg/Kg	1	6/28/2005
Chromium	23	1.0	mg/Kg	1	6/28/2005
Cobalt	14	1.0	mg/Kg	1	6/28/2005
Copper	43	2.0	mg/Kg	1	6/28/2005
Lead	18	1.0	mg/Kg	1	6/28/2005
Molybdenum	ND	1.0	mg/Kg	1	6/28/2005
Nickel	18	1.0	mg/Kg	1	6/28/2005
Selenium	1.2	1.0	mg/Kg	1	6/28/2005
Silver	ND	1.0	mg/Kg	1	6/28/2005
Thallium	ND	1.0	mg/Kg	1	6/28/2005
Vanadium	49	1.0	mg/Kg	1	6/28/2005
Zinc	93	1.0	mg/Kg	1	6/28/2005

HYDROCARBON CHAIN IDENTIFICATION

(LUFT)

EPA 8015B(M)

RunID: GC7_BACK_050624B	QC Batch: 23319	PrepDate: 6/24/2005	Analyst: CBR		
T/R Hydrocarbons: C13-C22	ND	10	mg/Kg	1	6/24/2005

HYDROCARBON CHAIN IDENTIFICATION

(LUFT)

EPA 8015B

RunID: GC7_BACK_050624B	QC Batch: 23319	PrepDate: 6/24/2005	Analyst: CBR		
T/R Hydrocarbons: >C32	ND	10	mg/Kg	1	6/24/2005
T/R Hydrocarbons: C23-C32	ND	10	mg/Kg	1	6/24/2005

HYDROCARBON CHAIN IDENTIFICATION

EPA 8015B

RunID: GC2_050623B	QC Batch: E05VS164	PrepDate: 6/20/2005	Analyst: TT		
T/R Hydrocarbons: C4-C12	ND	38	mg/Kg	50	6/24/2005

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT: SCS Engineers

Client Sample ID: B8-5

Lab Order: 077299

Project: LB Public Service Yard, 01204007.02

Collection Date: 6/20/2005 12:27:00 PM

Lab ID: 077299-026

Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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MERCURY BY COLD VAPOR TECHNIQUE

(EPA 7471)

EPA 7471A

RunID: AA1_050628B	QC Batch: 23350	PrepDate: 6/27/2005	Analyst: JT		
Mercury	0.15	0.10	mg/Kg	1	6/28/2005

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS1_050627A	QC Batch: P05VS096	PrepDate: 6/20/2005	Analyst: HH		
1,1,1,2-Tetrachloroethane	ND	4.4	µg/Kg	1	6/27/2005
1,1,1-Trichloroethane	4.9	4.4	µg/Kg	1	6/27/2005
1,1,2,2-Tetrachloroethane	ND	4.4	µg/Kg	1	6/27/2005
1,1,2-Trichloroethane	ND	4.4	µg/Kg	1	6/27/2005
1,1-Dichloroethane	ND	4.4	µg/Kg	1	6/27/2005
1,1-Dichloroethene	ND	4.4	µg/Kg	1	6/27/2005
1,1-Dichloropropene	ND	4.4	µg/Kg	1	6/27/2005
1,2,3-Trichlorobenzene	ND	4.4	µg/Kg	1	6/27/2005
1,2,3-Trichloropropane	ND	4.4	µg/Kg	1	6/27/2005
1,2,4-Trichlorobenzene	ND	4.4	µg/Kg	1	6/27/2005
1,2,4-Trimethylbenzene	ND	4.4	µg/Kg	1	6/27/2005
1,2-Dibromo-3-chloropropane	ND	8.8	µg/Kg	1	6/27/2005
1,2-Dibromoethane	ND	4.4	µg/Kg	1	6/27/2005
1,2-Dichlorobenzene	ND	4.4	µg/Kg	1	6/27/2005
1,2-Dichloroethane	ND	4.4	µg/Kg	1	6/27/2005
1,2-Dichloropropane	ND	4.4	µg/Kg	1	6/27/2005
1,3,5-Trimethylbenzene	ND	4.4	µg/Kg	1	6/27/2005
1,3-Dichlorobenzene	ND	4.4	µg/Kg	1	6/27/2005
1,3-Dichloropropane	ND	4.4	µg/Kg	1	6/27/2005
1,4-Dichlorobenzene	ND	4.4	µg/Kg	1	6/27/2005
2,2-Dichloropropane	ND	4.4	µg/Kg	1	6/27/2005
2-Chlorotoluene	ND	4.4	µg/Kg	1	6/27/2005
4-Chlorotoluene	ND	4.4	µg/Kg	1	6/27/2005
4-Isopropyltoluene	ND	4.4	µg/Kg	1	6/27/2005
Benzene	ND	4.4	µg/Kg	1	6/27/2005
Bromobenzene	ND	4.4	µg/Kg	1	6/27/2005
Bromodichloromethane	ND	4.4	µg/Kg	1	6/27/2005
Bromoform	ND	4.4	µg/Kg	1	6/27/2005
Bromomethane	ND	4.4	µg/Kg	1	6/27/2005
Carbon tetrachloride	ND	4.4	µg/Kg	1	6/27/2005
Chlorobenzene	ND	4.4	µg/Kg	1	6/27/2005

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

DO - Surrogate Diluted Out

H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT: SCS Engineers

Client Sample ID: B8-5

Lab Order: 077299

Project: LB Public Service Yard, 01204007.02

Collection Date: 6/20/2005 12:27:00 PM

Lab ID: 077299-026

Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 8260B**

RunID: MS1_050627A	QC Batch: P05VS096	PrepDate: 6/20/2005	Analyst: HH		
Chloroethane	ND	4.4	µg/Kg	1	6/27/2005
Chloroform	ND	4.4	µg/Kg	1	6/27/2005
Chloromethane	ND	4.4	µg/Kg	1	6/27/2005
cis-1,2-Dichloroethene	ND	4.4	µg/Kg	1	6/27/2005
cis-1,3-Dichloropropene	ND	4.4	µg/Kg	1	6/27/2005
Dibromochloromethane	ND	4.4	µg/Kg	1	6/27/2005
Dibromomethane	ND	4.4	µg/Kg	1	6/27/2005
Dichlorodifluoromethane	ND	4.4	µg/Kg	1	6/27/2005
Ethylbenzene	ND	4.4	µg/Kg	1	6/27/2005
Hexachlorobutadiene	ND	4.4	µg/Kg	1	6/27/2005
Isopropylbenzene	ND	4.4	µg/Kg	1	6/27/2005
m,p-Xylene	ND	8.8	µg/Kg	1	6/27/2005
Methylene chloride	ND	4.4	µg/Kg	1	6/27/2005
n-Butylbenzene	ND	4.4	µg/Kg	1	6/27/2005
n-Propylbenzene	ND	4.4	µg/Kg	1	6/27/2005
Naphthalene	ND	4.4	µg/Kg	1	6/27/2005
o-Xylene	ND	4.4	µg/Kg	1	6/27/2005
sec-Butylbenzene	ND	4.4	µg/Kg	1	6/27/2005
Styrene	ND	4.4	µg/Kg	1	6/27/2005
tert-Butylbenzene	ND	4.4	µg/Kg	1	6/27/2005
Tetrachloroethene	ND	4.4	µg/Kg	1	6/27/2005
Toluene	ND	4.4	µg/Kg	1	6/27/2005
trans-1,2-Dichloroethene	ND	4.4	µg/Kg	1	6/27/2005
Trichloroethene	ND	4.4	µg/Kg	1	6/27/2005
Trichlorofluoromethane	ND	4.4	µg/Kg	1	6/27/2005
Vinyl chloride	ND	4.4	µg/Kg	1	6/27/2005

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT: SCS Engineers

Client Sample ID: B4-10

Lab Order: 077299

Project: LB Public Service Yard, 01204007.02

Collection Date: 6/20/2005 12:58:00 PM

Lab ID: 077299-030

Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 8260B**

RunID: MS1_050627A	QC Batch: P05VS096	PrepDate: 6/20/2005	Analyst: HH		
1,1,1,2-Tetrachloroethane	ND	3.9	µg/Kg	1	6/27/2005
1,1,1-Trichloroethane	ND	3.9	µg/Kg	1	6/27/2005
1,1,2,2-Tetrachloroethane	ND	3.9	µg/Kg	1	6/27/2005
1,1,2-Trichloroethane	ND	3.9	µg/Kg	1	6/27/2005
1,1-Dichloroethane	ND	3.9	µg/Kg	1	6/27/2005
1,1-Dichloroethene	ND	3.9	µg/Kg	1	6/27/2005
1,1-Dichloropropene	ND	3.9	µg/Kg	1	6/27/2005
1,2,3-Trichlorobenzene	ND	3.9	µg/Kg	1	6/27/2005
1,2,3-Trichloropropane	ND	3.9	µg/Kg	1	6/27/2005
1,2,4-Trichlorobenzene	ND	3.9	µg/Kg	1	6/27/2005
1,2,4-Trimethylbenzene	ND	3.9	µg/Kg	1	6/27/2005
1,2-Dibromo-3-chloropropane	ND	7.8	µg/Kg	1	6/27/2005
1,2-Dibromoethane	ND	3.9	µg/Kg	1	6/27/2005
1,2-Dichlorobenzene	ND	3.9	µg/Kg	1	6/27/2005
1,2-Dichloroethane	ND	3.9	µg/Kg	1	6/27/2005
1,2-Dichloropropane	ND	3.9	µg/Kg	1	6/27/2005
1,3,5-Trimethylbenzene	ND	3.9	µg/Kg	1	6/27/2005
1,3-Dichlorobenzene	ND	3.9	µg/Kg	1	6/27/2005
1,3-Dichloropropane	ND	3.9	µg/Kg	1	6/27/2005
1,4-Dichlorobenzene	ND	3.9	µg/Kg	1	6/27/2005
2,2-Dichloropropane	ND	3.9	µg/Kg	1	6/27/2005
2-Chlorotoluene	ND	3.9	µg/Kg	1	6/27/2005
4-Chlorotoluene	ND	3.9	µg/Kg	1	6/27/2005
4-Isopropyltoluene	ND	3.9	µg/Kg	1	6/27/2005
Benzene	ND	3.9	µg/Kg	1	6/27/2005
Bromobenzene	ND	3.9	µg/Kg	1	6/27/2005
Bromodichloromethane	ND	3.9	µg/Kg	1	6/27/2005
Bromoform	ND	3.9	µg/Kg	1	6/27/2005
Bromomethane	ND	3.9	µg/Kg	1	6/27/2005
Carbon tetrachloride	ND	3.9	µg/Kg	1	6/27/2005
Chlorobenzene	ND	3.9	µg/Kg	1	6/27/2005
Chloroethane	ND	3.9	µg/Kg	1	6/27/2005
Chloroform	ND	3.9	µg/Kg	1	6/27/2005
Chloromethane	ND	3.9	µg/Kg	1	6/27/2005
cis-1,2-Dichloroethene	ND	3.9	µg/Kg	1	6/27/2005
cis-1,3-Dichloropropene	ND	3.9	µg/Kg	1	6/27/2005

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT: SCS Engineers

Client Sample ID: B4-10

Lab Order: 077299

Project: LB Public Service Yard, 01204007.02

Collection Date: 6/20/2005 12:58:00 PM

Lab ID: 077299-030

Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 8260B**

RunID: MS1_050627A	QC Batch: P05VS096	PrepDate: 6/20/2005	Analyst: HH		
Dibromochloromethane	4.3	3.9	µg/Kg	1	6/27/2005
Dibromomethane	ND	3.9	µg/Kg	1	6/27/2005
Dichlorodifluoromethane	ND	3.9	µg/Kg	1	6/27/2005
Ethylbenzene	ND	3.9	µg/Kg	1	6/27/2005
Hexachlorobutadiene	ND	3.9	µg/Kg	1	6/27/2005
Isopropylbenzene	ND	3.9	µg/Kg	1	6/27/2005
m,p-Xylene	ND	7.8	µg/Kg	1	6/27/2005
Methylene chloride	ND	3.9	µg/Kg	1	6/27/2005
n-Butylbenzene	ND	3.9	µg/Kg	1	6/27/2005
n-Propylbenzene	ND	3.9	µg/Kg	1	6/27/2005
Naphthalene	ND	3.9	µg/Kg	1	6/27/2005
o-Xylene	ND	3.9	µg/Kg	1	6/27/2005
sec-Butylbenzene	ND	3.9	µg/Kg	1	6/27/2005
Styrene	ND	3.9	µg/Kg	1	6/27/2005
tert-Butylbenzene	ND	3.9	µg/Kg	1	6/27/2005
Tetrachloroethene	ND	3.9	µg/Kg	1	6/27/2005
Toluene	ND	3.9	µg/Kg	1	6/27/2005
trans-1,2-Dichloroethene	ND	3.9	µg/Kg	1	6/27/2005
Trichloroethene	ND	3.9	µg/Kg	1	6/27/2005
Trichlorofluoromethane	ND	3.9	µg/Kg	1	6/27/2005
Vinyl chloride	ND	3.9	µg/Kg	1	6/27/2005

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

DO - Surrogate Diluted Out

H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT:	SCS Engineers	Client Sample ID:	B6-10
Lab Order:	077299		
Project:	LB Public Service Yard, 01204007.02	Collection Date:	6/20/2005 1:17:00 PM
Lab ID:	077299-033	Matrix:	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
HYDROCARBON CHAIN IDENTIFICATION (LUFT)						
EPA 8015B(M)						
RunID: GC7_BACK_050624B	QC Batch: 23319			PrepDate: 6/24/2005		Analyst: CBR
T/R Hydrocarbons: C13-C22	ND	10		mg/Kg	1	6/24/2005
HYDROCARBON CHAIN IDENTIFICATION (LUFT)						
EPA 8015B						
RunID: GC7_BACK_050624B	QC Batch: 23319			PrepDate: 6/24/2005		Analyst: CBR
T/R Hydrocarbons: >C32	ND	10		mg/Kg	1	6/24/2005
T/R Hydrocarbons: C23-C32	ND	10		mg/Kg	1	6/24/2005
HYDROCARBON CHAIN IDENTIFICATION						
EPA 8015B						
RunID: GC2_050623B	QC Batch: E05VS164			PrepDate: 6/20/2005		Analyst: TT
T/R Hydrocarbons: C4-C12	ND	41		mg/Kg	50	6/24/2005
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 8260B						
RunID: MS1_050627A	QC Batch: P05VS096			PrepDate: 6/20/2005		Analyst: HH
1,1,1,2-Tetrachloroethane	ND	4.2		µg/Kg	1	6/27/2005
1,1,1-Trichloroethane	ND	4.2		µg/Kg	1	6/27/2005
1,1,2,2-Tetrachloroethane	ND	4.2		µg/Kg	1	6/27/2005
1,1,2-Trichloroethane	ND	4.2		µg/Kg	1	6/27/2005
1,1-Dichloroethane	ND	4.2		µg/Kg	1	6/27/2005
1,1-Dichloroethene	ND	4.2		µg/Kg	1	6/27/2005
1,1-Dichloropropene	ND	4.2		µg/Kg	1	6/27/2005
1,2,3-Trichlorobenzene	ND	4.2		µg/Kg	1	6/27/2005
1,2,3-Trichloropropane	ND	4.2		µg/Kg	1	6/27/2005
1,2,4-Trichlorobenzene	ND	4.2		µg/Kg	1	6/27/2005
1,2,4-Trimethylbenzene	ND	4.2		µg/Kg	1	6/27/2005
1,2-Dibromo-3-chloropropane	ND	8.5		µg/Kg	1	6/27/2005
1,2-Dibromoethane	ND	4.2		µg/Kg	1	6/27/2005
1,2-Dichlorobenzene	ND	4.2		µg/Kg	1	6/27/2005
1,2-Dichloroethane	ND	4.2		µg/Kg	1	6/27/2005
1,2-Dichloropropane	ND	4.2		µg/Kg	1	6/27/2005
1,3,5-Trimethylbenzene	ND	4.2		µg/Kg	1	6/27/2005
1,3-Dichlorobenzene	ND	4.2		µg/Kg	1	6/27/2005
1,3-Dichloropropane	ND	4.2		µg/Kg	1	6/27/2005

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT: SCS Engineers**Client Sample ID:** B6-10**Lab Order:** 077299**Project:** LB Public Service Yard, 01204007.02**Collection Date:** 6/20/2005 1:17:00 PM**Lab ID:** 077299-033**Matrix:** SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 8260B**

RunID: MS1_050627A	QC Batch: P05VS096	PrepDate: 6/20/2005	Analyst: HH		
1,4-Dichlorobenzene	ND	4.2	µg/Kg	1	6/27/2005
2,2-Dichloropropane	ND	4.2	µg/Kg	1	6/27/2005
2-Chlorotoluene	ND	4.2	µg/Kg	1	6/27/2005
4-Chlorotoluene	ND	4.2	µg/Kg	1	6/27/2005
4-Isopropyltoluene	ND	4.2	µg/Kg	1	6/27/2005
Benzene	ND	4.2	µg/Kg	1	6/27/2005
Bromobenzene	ND	4.2	µg/Kg	1	6/27/2005
Bromodichloromethane	ND	4.2	µg/Kg	1	6/27/2005
Bromoform	ND	4.2	µg/Kg	1	6/27/2005
Bromomethane	ND	4.2	µg/Kg	1	6/27/2005
Carbon tetrachloride	ND	4.2	µg/Kg	1	6/27/2005
Chlorobenzene	ND	4.2	µg/Kg	1	6/27/2005
Chloroethane	ND	4.2	µg/Kg	1	6/27/2005
Chloroform	ND	4.2	µg/Kg	1	6/27/2005
Chloromethane	ND	4.2	µg/Kg	1	6/27/2005
cis-1,2-Dichloroethene	ND	4.2	µg/Kg	1	6/27/2005
cis-1,3-Dichloropropene	ND	4.2	µg/Kg	1	6/27/2005
Dibromochloromethane	ND	4.2	µg/Kg	1	6/27/2005
Dibromomethane	ND	4.2	µg/Kg	1	6/27/2005
Dichlorodifluoromethane	ND	4.2	µg/Kg	1	6/27/2005
Ethylbenzene	ND	4.2	µg/Kg	1	6/27/2005
Hexachlorobutadiene	ND	4.2	µg/Kg	1	6/27/2005
Isopropylbenzene	ND	4.2	µg/Kg	1	6/27/2005
m,p-Xylene	ND	8.5	µg/Kg	1	6/27/2005
Methylene chloride	ND	4.2	µg/Kg	1	6/27/2005
n-Butylbenzene	ND	4.2	µg/Kg	1	6/27/2005
n-Propylbenzene	ND	4.2	µg/Kg	1	6/27/2005
Naphthalene	ND	4.2	µg/Kg	1	6/27/2005
o-Xylene	ND	4.2	µg/Kg	1	6/27/2005
sec-Butylbenzene	ND	4.2	µg/Kg	1	6/27/2005
Styrene	ND	4.2	µg/Kg	1	6/27/2005
tert-Butylbenzene	ND	4.2	µg/Kg	1	6/27/2005
Tetrachloroethene	ND	4.2	µg/Kg	1	6/27/2005
Toluene	ND	4.2	µg/Kg	1	6/27/2005
trans-1,2-Dichloroethene	ND	4.2	µg/Kg	1	6/27/2005
Trichloroethene	ND	4.2	µg/Kg	1	6/27/2005

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT:	SCS Engineers	Client Sample ID:	B6-10
Lab Order:	077299		
Project:	LB Public Service Yard, 01204007.02	Collection Date:	6/20/2005 1:17:00 PM
Lab ID:	077299-033	Matrix:	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 8260B**

RunID: MS1_050627A	QC Batch: P05VS096	PrepDate: 6/20/2005	Analyst: HH		
Trichlorofluoromethane	ND	4.2	µg/Kg	1	6/27/2005
Vinyl chloride	ND	4.2	µg/Kg	1	6/27/2005

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	E - Value above quantitation range
	DO - Surrogate Diluted Out	H-Samples exceeding holding time

Results are wet unless otherwise specified

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Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT:	SCS Engineers	Client Sample ID:	B21-1
Lab Order:	077299		
Project:	LB Public Service Yard, 01204007.02	Collection Date:	6/20/2005
Lab ID:	077299-037	Matrix:	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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ICP METALS

(EPA 3050B)

EPA 6010B

RunID: ICP6_050628A	QC Batch: 23346	PrepDate: 6/27/2005	Analyst: RQ		
Antimony	ND	2.0	mg/Kg	1	6/28/2005
Arsenic	1.8	1.0	mg/Kg	1	6/28/2005
Barium	130	1.0	mg/Kg	1	6/28/2005
Beryllium	ND	1.0	mg/Kg	1	6/28/2005
Cadmium	ND	1.0	mg/Kg	1	6/28/2005
Chromium	20	1.0	mg/Kg	1	6/28/2005
Cobalt	12	1.0	mg/Kg	1	6/28/2005
Copper	23	2.0	mg/Kg	1	6/28/2005
Lead	6.3	1.0	mg/Kg	1	6/28/2005
Molybdenum	ND	1.0	mg/Kg	1	6/28/2005
Nickel	15	1.0	mg/Kg	1	6/28/2005
Selenium	2.2	1.0	mg/Kg	1	6/28/2005
Silver	ND	1.0	mg/Kg	1	6/28/2005
Thallium	ND	1.0	mg/Kg	1	6/28/2005
Vanadium	41	1.0	mg/Kg	1	6/28/2005
Zinc	54	1.0	mg/Kg	1	6/28/2005

MERCURY BY COLD VAPOR TECHNIQUE

(EPA 7471)

EPA 7471A

RunID: AA1_050628B	QC Batch: 23350	PrepDate: 6/27/2005	Analyst: JT		
Mercury	ND	0.10	mg/Kg	1	6/28/2005

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	E - Value above quantitation range
	DO - Surrogate Diluted Out	H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT: SCS Engineers**Client Sample ID:** B21-5**Lab Order:** 077299**Project:** LB Public Service Yard, 01204007.02**Collection Date:** 6/20/2005**Lab ID:** 077299-038**Matrix:** SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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**HYDROCARBON CHAIN IDENTIFICATION
(LUFT)****EPA 8015B(M)**

RunID: GC7_BACK_050624B	QC Batch: 23319				PrepDate: 6/24/2005	Analyst: CBR
T/R Hydrocarbons: C13-C22	ND	10		mg/Kg	1	6/24/2005

**HYDROCARBON CHAIN IDENTIFICATION
(LUFT)****EPA 8015B**

RunID: GC7_BACK_050624B	QC Batch: 23319				PrepDate: 6/24/2005	Analyst: CBR
T/R Hydrocarbons: >C32	ND	10		mg/Kg	1	6/24/2005
T/R Hydrocarbons: C23-C32	ND	10		mg/Kg	1	6/24/2005

HYDROCARBON CHAIN IDENTIFICATION**EPA 8015B**

RunID: GC2_050623B	QC Batch: E05VS164				PrepDate:	Analyst: TT
T/R Hydrocarbons: C4-C12	ND	1.0		mg/Kg	1	6/24/2005

VOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 8260B**

RunID: MS3_050627A	QC Batch: R05VS082				PrepDate:	Analyst: HH
1,1,1,2-Tetrachloroethane	ND	5.0		µg/Kg	1	6/27/2005
1,1,1-Trichloroethane	ND	5.0		µg/Kg	1	6/27/2005
1,1,2,2-Tetrachloroethane	ND	5.0		µg/Kg	1	6/27/2005
1,1,2-Trichloroethane	ND	5.0		µg/Kg	1	6/27/2005
1,1-Dichloroethane	ND	5.0		µg/Kg	1	6/27/2005
1,1-Dichloroethene	ND	5.0		µg/Kg	1	6/27/2005
1,1-Dichloropropene	ND	5.0		µg/Kg	1	6/27/2005
1,2,3-Trichlorobenzene	ND	5.0		µg/Kg	1	6/27/2005
1,2,3-Trichloropropane	ND	5.0		µg/Kg	1	6/27/2005
1,2,4-Trichlorobenzene	ND	5.0		µg/Kg	1	6/27/2005
1,2,4-Trimethylbenzene	ND	5.0		µg/Kg	1	6/27/2005
1,2-Dibromo-3-chloropropane	ND	10		µg/Kg	1	6/27/2005
1,2-Dibromoethane	ND	5.0		µg/Kg	1	6/27/2005
1,2-Dichlorobenzene	ND	5.0		µg/Kg	1	6/27/2005
1,2-Dichloroethane	ND	5.0		µg/Kg	1	6/27/2005
1,2-Dichloropropane	ND	5.0		µg/Kg	1	6/27/2005
1,3,5-Trimethylbenzene	ND	5.0		µg/Kg	1	6/27/2005
1,3-Dichlorobenzene	ND	5.0		µg/Kg	1	6/27/2005
1,3-Dichloropropane	ND	5.0		µg/Kg	1	6/27/2005

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT: SCS Engineers

Client Sample ID: B21-5

Lab Order: 077299

Project: LB Public Service Yard, 01204007.02

Collection Date: 6/20/2005

Lab ID: 077299-038

Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 8260B**

RunID: MS3_050627A	QC Batch: R05VS082	PrepDate:	Analyst: HH		
1,4-Dichlorobenzene	ND	5.0	µg/Kg	1	6/27/2005
2,2-Dichloropropane	ND	5.0	µg/Kg	1	6/27/2005
2-Chlorotoluene	ND	5.0	µg/Kg	1	6/27/2005
4-Chlorotoluene	ND	5.0	µg/Kg	1	6/27/2005
4-Isopropyltoluene	ND	5.0	µg/Kg	1	6/27/2005
Benzene	ND	5.0	µg/Kg	1	6/27/2005
Bromobenzene	ND	5.0	µg/Kg	1	6/27/2005
Bromodichloromethane	ND	5.0	µg/Kg	1	6/27/2005
Bromoform	ND	5.0	µg/Kg	1	6/27/2005
Bromomethane	ND	5.0	µg/Kg	1	6/27/2005
Carbon tetrachloride	ND	5.0	µg/Kg	1	6/27/2005
Chlorobenzene	ND	5.0	µg/Kg	1	6/27/2005
Chloroethane	ND	5.0	µg/Kg	1	6/27/2005
Chloroform	ND	5.0	µg/Kg	1	6/27/2005
Chloromethane	ND	5.0	µg/Kg	1	6/27/2005
cis-1,2-Dichloroethene	ND	5.0	µg/Kg	1	6/27/2005
cis-1,3-Dichloropropene	ND	5.0	µg/Kg	1	6/27/2005
Dibromochloromethane	ND	5.0	µg/Kg	1	6/27/2005
Dibromomethane	ND	5.0	µg/Kg	1	6/27/2005
Dichlorodifluoromethane	ND	5.0	µg/Kg	1	6/27/2005
Ethylbenzene	ND	5.0	µg/Kg	1	6/27/2005
Hexachlorobutadiene	ND	5.0	µg/Kg	1	6/27/2005
Isopropylbenzene	ND	5.0	µg/Kg	1	6/27/2005
m,p-Xylene	ND	10	µg/Kg	1	6/27/2005
Methylene chloride	ND	5.0	µg/Kg	1	6/27/2005
n-Butylbenzene	ND	5.0	µg/Kg	1	6/27/2005
n-Propylbenzene	ND	5.0	µg/Kg	1	6/27/2005
Naphthalene	ND	5.0	µg/Kg	1	6/27/2005
o-Xylene	ND	5.0	µg/Kg	1	6/27/2005
sec-Butylbenzene	ND	5.0	µg/Kg	1	6/27/2005
Styrene	ND	5.0	µg/Kg	1	6/27/2005
tert-Butylbenzene	ND	5.0	µg/Kg	1	6/27/2005
Tetrachloroethene	ND	5.0	µg/Kg	1	6/27/2005
Toluene	ND	5.0	µg/Kg	1	6/27/2005
trans-1,2-Dichloroethene	ND	5.0	µg/Kg	1	6/27/2005
Trichloroethene	ND	5.0	µg/Kg	1	6/27/2005

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

DO - Surrogate Diluted Out

H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT: SCS Engineers

Client Sample ID: B21-5

Lab Order: 077299

Project: LB Public Service Yard, 01204007.02

Collection Date: 6/20/2005

Lab ID: 077299-038

Matrix: SOIL

Analyte	Result	PQL	Qnal	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 8260B**

RunID: MS3_050627A

QC Batch: R05VS082

PrepDate:

Analyst: HH

Trichlorofluoromethane

ND

5.0

µg/Kg

1

6/27/2005

Vinyl chloride

ND

5.0

µg/Kg

1

6/27/2005

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

DO - Surrogate Diluted Out

H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT: SCS Engineers

Client Sample ID: B22-1

Lab Order: 077299

Project: LB Public Service Yard, 01204007.02

Collection Date: 6/20/2005

Lab ID: 077299-039

Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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HYDROCARBON CHAIN IDENTIFICATION

(LUFT)

EPA 8015B(M)

RunID: GC7_BACK_050624B QC Batch: 23319 PrepDate: 6/24/2005 Analyst: CBR

T/R Hydrocarbons: C13-C22 ND 10 mg/Kg 1 6/24/2005

HYDROCARBON CHAIN IDENTIFICATION

(LUFT)

EPA 8015B

RunID: GC7_BACK_050624B QC Batch: 23319 PrepDate: 6/24/2005 Analyst: CBR

T/R Hydrocarbons: >C32 ND 10 mg/Kg 1 6/24/2005

T/R Hydrocarbons: C23-C32 ND 10 mg/Kg 1 6/24/2005

HYDROCARBON CHAIN IDENTIFICATION

EPA 8015B

RunID: GC2_050623B QC Batch: E05VS164 PrepDate: Analyst: TT

T/R Hydrocarbons: C4-C12 ND 1.0 mg/Kg 1 6/24/2005

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT: SCS Engineers**Client Sample ID:** B22-5**Lab Order:** 077299**Project:** LB Public Service Yard, 01204007.02**Collection Date:** 6/20/2005**Lab ID:** 077299-040**Matrix:** SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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HYDROCARBON CHAIN IDENTIFICATION

(LUFT)

EPA 8015B(M)

RunID: GC7_BACK_050624B	QC Batch: 23319	PrepDate: 6/24/2005	Analyst: CBR
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T/R Hydrocarbons: C13-C22	ND	10	mg/Kg	1	6/24/2005
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HYDROCARBON CHAIN IDENTIFICATION

(LUFT)

EPA 8015B

RunID: GC7_BACK_050624B	QC Batch: 23319	PrepDate: 6/24/2005	Analyst: CBR
-------------------------	-----------------	---------------------	--------------

T/R Hydrocarbons: >C32	ND	10	mg/Kg	1	6/24/2005
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T/R Hydrocarbons: C23-C32	ND	10	mg/Kg	1	6/24/2005
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HYDROCARBON CHAIN IDENTIFICATION**EPA 8015B**

RunID: GC2_050623B	QC Batch: E05VS164	PrepDate:	Analyst: TT
--------------------	--------------------	-----------	-------------

T/R Hydrocarbons: C4-C12	ND	1.0	mg/Kg	1	6/24/2005
--------------------------	----	-----	-------	---	-----------

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT: SCS Engineers

Client Sample ID: B23-1

Lab Order: 077299

Project: LB Public Service Yard, 01204007.02

Collection Date: 6/20/2005

Lab ID: 077299-041

Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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ICP METALS

(EPA 3050B)

EPA 6010B

RunID: ICP6_050628A	QC Batch: 23346	PrepDate: 6/27/2005	Analyst: RQ		
Antimony	ND	2.0	mg/Kg	1	6/28/2005
Arsenic	2.8	1.0	mg/Kg	1	6/28/2005
Barium	150	1.0	mg/Kg	1	6/28/2005
Beryllium	ND	1.0	mg/Kg	1	6/28/2005
Cadmium	ND	1.0	mg/Kg	1	6/28/2005
Chromium	21	1.0	mg/Kg	1	6/28/2005
Cobalt	12	1.0	mg/Kg	1	6/28/2005
Copper	28	2.0	mg/Kg	1	6/28/2005
Lead	21	1.0	mg/Kg	1	6/28/2005
Molybdenum	ND	1.0	mg/Kg	1	6/28/2005
Nickel	17	1.0	mg/Kg	1	6/28/2005
Selenium	2.1	1.0	mg/Kg	1	6/28/2005
Silver	ND	1.0	mg/Kg	1	6/28/2005
Thallium	ND	1.0	mg/Kg	1	6/28/2005
Vanadium	42	1.0	mg/Kg	1	6/28/2005
Zinc	81	1.0	mg/Kg	1	6/28/2005

HYDROCARBON CHAIN IDENTIFICATION

(LUFT)

EPA 8015B(M)

RunID: GC7_BACK_050624B	QC Batch: 23319	PrepDate: 6/24/2005	Analyst: CBR		
T/R Hydrocarbons: C13-C22	ND	10	mg/Kg	1	6/24/2005

HYDROCARBON CHAIN IDENTIFICATION

(LUFT)

EPA 8015B

RunID: GC7_BACK_050624B	QC Batch: 23319	PrepDate: 6/24/2005	Analyst: CBR		
T/R Hydrocarbons: >C32	ND	10	mg/Kg	1	6/24/2005
T/R Hydrocarbons: C23-C32	ND	10	mg/Kg	1	6/24/2005

HYDROCARBON CHAIN IDENTIFICATION

EPA 8015B

RunID: GC2_050623B	QC Batch: E05VS164	PrepDate:	Analyst: TT		
T/R Hydrocarbons: C4-C12	ND	1.0	mg/Kg	1	6/24/2005

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT: SCS Engineers

Client Sample ID: B23-1

Lab Order: 077299

Project: LB Public Service Yard, 01204007.02

Collection Date: 6/20/2005

Lab ID: 077299-041

Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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MERCURY BY COLD VAPOR TECHNIQUE

(EPA 7471)

EPA 7471A

RunID: AA1_050628B

QC Batch: 23350

PrepDate: 6/27/2005 Analyst: JT

Mercury

ND

0.10

mg/Kg

1

6/28/2005

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology
Laboratories

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3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT: SCS Engineers

Client Sample ID: B23-5

Lab Order: 077299

Project: LB Public Service Yard, 01204007.02

Collection Date: 6/20/2005

Lab ID: 077299-042

Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 8260B**

RunID: MS3_050627A	QC Batch: R05VS082	PrepDate:	Analyst: HH		
1,1,1,2-Tetrachloroethane	ND	5.0	µg/Kg	1	6/27/2005
1,1,1-Trichloroethane	ND	5.0	µg/Kg	1	6/27/2005
1,1,2,2-Tetrachloroethane	ND	5.0	µg/Kg	1	6/27/2005
1,1,2-Trichloroethane	ND	5.0	µg/Kg	1	6/27/2005
1,1-Dichloroethane	ND	5.0	µg/Kg	1	6/27/2005
1,1-Dichloroethene	ND	5.0	µg/Kg	1	6/27/2005
1,1-Dichloropropene	ND	5.0	µg/Kg	1	6/27/2005
1,2,3-Trichlorobenzene	ND	5.0	µg/Kg	1	6/27/2005
1,2,3-Trichloropropane	ND	5.0	µg/Kg	1	6/27/2005
1,2,4-Trichlorobenzene	ND	5.0	µg/Kg	1	6/27/2005
1,2,4-Trimethylbenzene	ND	5.0	µg/Kg	1	6/27/2005
1,2-Dibromo-3-chloropropane	ND	10	µg/Kg	1	6/27/2005
1,2-Dibromoethane	ND	5.0	µg/Kg	1	6/27/2005
1,2-Dichlorobenzene	ND	5.0	µg/Kg	1	6/27/2005
1,2-Dichloroethane	ND	5.0	µg/Kg	1	6/27/2005
1,2-Dichloropropane	ND	5.0	µg/Kg	1	6/27/2005
1,3,5-Trimethylbenzene	ND	5.0	µg/Kg	1	6/27/2005
1,3-Dichlorobenzene	ND	5.0	µg/Kg	1	6/27/2005
1,3-Dichloropropane	ND	5.0	µg/Kg	1	6/27/2005
1,4-Dichlorobenzene	ND	5.0	µg/Kg	1	6/27/2005
2,2-Dichloropropane	ND	5.0	µg/Kg	1	6/27/2005
2-Chlorotoluene	ND	5.0	µg/Kg	1	6/27/2005
4-Chlorotoluene	ND	5.0	µg/Kg	1	6/27/2005
4-Isopropyltoluene	ND	5.0	µg/Kg	1	6/27/2005
Benzene	ND	5.0	µg/Kg	1	6/27/2005
Bromobenzene	ND	5.0	µg/Kg	1	6/27/2005
Bromodichloromethane	ND	5.0	µg/Kg	1	6/27/2005
Bromoform	ND	5.0	µg/Kg	1	6/27/2005
Bromomethane	ND	5.0	µg/Kg	1	6/27/2005
Carbon tetrachloride	ND	5.0	µg/Kg	1	6/27/2005
Chlorobenzene	ND	5.0	µg/Kg	1	6/27/2005
Chloroethane	ND	5.0	µg/Kg	1	6/27/2005
Chloroform	ND	5.0	µg/Kg	1	6/27/2005
Chloromethane	ND	5.0	µg/Kg	1	6/27/2005
cis-1,2-Dichloroethene	ND	5.0	µg/Kg	1	6/27/2005
cis-1,3-Dichloropropene	ND	5.0	µg/Kg	1	6/27/2005

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT: SCS Engineers

Client Sample ID: B23-5

Lab Order: 077299

Project: LB Public Service Yard, 01204007.02

Collection Date: 6/20/2005

Lab ID: 077299-042

Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 8260B**

RunID: MS3_050627A	QC Batch: R05VS082	PrepDate:	Analyst: HH		
Dibromochloromethane	ND	5.0	µg/Kg	1	6/27/2005
Dibromomethane	ND	5.0	µg/Kg	1	6/27/2005
Dichlorodifluoromethane	ND	5.0	µg/Kg	1	6/27/2005
Ethylbenzene	ND	5.0	µg/Kg	1	6/27/2005
Hexachlorobutadiene	ND	5.0	µg/Kg	1	6/27/2005
Isopropylbenzene	ND	5.0	µg/Kg	1	6/27/2005
m,p-Xylene	ND	10	µg/Kg	1	6/27/2005
Methylene chloride	ND	5.0	µg/Kg	1	6/27/2005
n-Butylbenzene	ND	5.0	µg/Kg	1	6/27/2005
n-Propylbenzene	ND	5.0	µg/Kg	1	6/27/2005
Naphthalene	ND	5.0	µg/Kg	1	6/27/2005
o-Xylene	ND	5.0	µg/Kg	1	6/27/2005
sec-Butylbenzene	ND	5.0	µg/Kg	1	6/27/2005
Styrene	ND	5.0	µg/Kg	1	6/27/2005
tert-Butylbenzene	ND	5.0	µg/Kg	1	6/27/2005
Tetrachloroethene	ND	5.0	µg/Kg	1	6/27/2005
Toluene	ND	5.0	µg/Kg	1	6/27/2005
trans-1,2-Dichloroethene	ND	5.0	µg/Kg	1	6/27/2005
Trichloroethene	ND	5.0	µg/Kg	1	6/27/2005
Trichlorofluoromethane	ND	5.0	µg/Kg	1	6/27/2005
Vinyl chloride	ND	5.0	µg/Kg	1	6/27/2005

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT:	SCS Engineers	Client Sample ID:	B9-1
Lab Order:	077299		
Project:	LB Public Service Yard, 01204007.02	Collection Date:	6/20/2005
Lab ID:	077299-043	Matrix:	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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ICP METALS**(EPA 3050B)****EPA 6010B**

RunID: ICP6_050628A	QC Batch: 23346	PrepDate: 6/27/2005	Analyst: RQ		
Antimony	ND	2.0	mg/Kg	1	6/28/2005
Arsenic	6.5	1.0	mg/Kg	1	6/28/2005
Barium	210	1.0	mg/Kg	1	6/28/2005
Beryllium	ND	1.0	mg/Kg	1	6/28/2005
Cadmium	ND	1.0	mg/Kg	1	6/28/2005
Chromium	27	1.0	mg/Kg	1	6/28/2005
Cobalt	14	1.0	mg/Kg	1	6/28/2005
Copper	120	2.0	mg/Kg	1	6/28/2005
Lead	130	1.0	mg/Kg	1	6/28/2005
Molybdenum	ND	1.0	mg/Kg	1	6/28/2005
Nickel	22	1.0	mg/Kg	1	6/28/2005
Selenium	1.6	1.0	mg/Kg	1	6/28/2005
Silver	ND	1.0	mg/Kg	1	6/28/2005
Thallium	ND	1.0	mg/Kg	1	6/28/2005
Vanadium	48	1.0	mg/Kg	1	6/28/2005
Zinc	280	1.0	mg/Kg	1	6/28/2005

HYDROCARBON CHAIN IDENTIFICATION**(LUFT)****EPA 8015B(M)**

RunID: GC7_BACK_050624B	QC Batch: 23319	PrepDate: 6/24/2005	Analyst: CBR		
T/R Hydrocarbons: C13-C22	ND	10	mg/Kg	1	6/24/2005

HYDROCARBON CHAIN IDENTIFICATION**(LUFT)****EPA 8015B**

RunID: GC7_BACK_050624B	QC Batch: 23319	PrepDate: 6/24/2005	Analyst: CBR		
T/R Hydrocarbons: >C32	50	10	mg/Kg	1	6/24/2005
T/R Hydrocarbons: C23-C32	53	10	mg/Kg	1	6/24/2005

HYDROCARBON CHAIN IDENTIFICATION**EPA 8015B**

RunID: GC2_050623B	QC Batch: E05VS164	PrepDate:	Analyst: TT		
T/R Hydrocarbons: C4-C12	ND	1.0	mg/Kg	1	6/24/2005

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 01-Jul-05

CLIENT: SCS Engineers**Client Sample ID:** B9-1**Lab Order:** 077299**Project:** LB Public Service Yard, 01204007.02**Collection Date:** 6/20/2005**Lab ID:** 077299-043**Matrix:** SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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MERCURY BY COLD VAPOR TECHNIQUE**(EPA 7471)****EPA 7471A**

RunID: AA1_050628B

QC Batch: 23350

PrepDate: 6/27/2005 Analyst: JT

Mercury

0.19

0.10

mg/Kg

1

6/28/2005

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

DO - Surrogate Diluted Out

H-Samples exceeding holding time

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Results are wet unless otherwise specified





CLIENT: SCS Engineers
Work Order: 077299
Project: LB Public Service Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT**TestCode: 6010_S**

Sample ID: MB-23346	SampType: MBLK	TestCode: 6010_S	Units: mg/Kg	Prep Date: 6/27/2005	Run ID: ICP6_050628A						
Client ID: ZZZZZ	Batch ID: 23346	TestNo: EPA 6010B	(EPA 3050B)	Analysis Date: 6/28/2005	SeqNo: 757990						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Antimony	ND	2.0									
Arsenic	ND	1.0									
Barium	ND	1.0									
Beryllium	ND	1.0									
Cadmium	ND	1.0									
Chromium	ND	1.0									
Cobalt	ND	1.0									
Copper	ND	2.0									
Lead	ND	1.0									
Molybdenum	ND	1.0									
Nickel	ND	1.0									
Selenium	ND	1.0									
Silver	ND	1.0									
Thallium	ND	1.0									
Vanadium	ND	1.0									
Zinc	ND	1.0									

Sample ID: LCS-23346	SampType: LCS	TestCode: 6010_S	Units: mg/Kg	Prep Date: 6/27/2005	Run ID: ICP6_050628A						
Client ID: ZZZZZ	Batch ID: 23346	TestNo: EPA 6010B	(EPA 3050B)	Analysis Date: 6/28/2005	SeqNo: 757991						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Antimony	47.11	2.0	50	0	94.2	80	120	0	0		
Arsenic	48.46	1.0	50	0	96.9	80	120	0	0		
Barium	49.71	1.0	50	0	99.4	80	120	0	0		
Beryllium	47.35	1.0	50	0	94.7	80	120	0	0		
Cadmium	47.6	1.0	50	0	95.2	80	120	0	0		
Chromium	49.41	1.0	50	0	98.8	80	120	0	0		
Cobalt	47.32	1.0	50	0	94.6	80	120	0	0		
Copper	54.35	2.0	50	0	109	80	120	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits
 B - Analyte detected in the associated Method Blank
 Calculations are based on raw values

DO- Surrogate dilute out
 H - Sample exceeded holding time

CLIENT: SCS Engineers
Work Order: 077299
Project: LB Public Service Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: LCS-23346		SampType: LCS	TestCode: 6010_S		Units: mg/Kg	Prep Date: 6/27/2005		Run ID: ICP6_050628A			
Client ID: ZZZZZ		Batch ID: 23346	TestNo: EPA 6010B		(EPA 3050B)	Analysis Date: 6/28/2005		SeqNo: 757991			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	55.62	1.0	50	0	111	80	120	0	0		
Molybdenum	49.74	1.0	50	0	99.5	80	120	0	0		
Nickel	48.92	1.0	50	0	97.8	80	120	0	0		
Selenium	46.83	1.0	50	0	93.7	80	120	0	0		
Silver	46.78	1.0	50	0	93.6	80	120	0	0		
Thallium	47.42	1.0	50	0	94.8	80	120	0	0		
Vanadium	49.62	1.0	50	0	99.2	80	120	0	0		
Zinc	48.85	1.0	50	0	97.7	80	120	0	0		

Sample ID: 077368-002AMS		SampType: MS	TestCode: 6010_S		Units: mg/Kg	Prep Date: 6/27/2005		Run ID: ICP6_050628A			
Client ID: ZZZZZ		Batch ID: 23346	TestNo: EPA 6010B		(EPA 3050B)	Analysis Date: 6/28/2005		SeqNo: 757992			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	200	125	0	0	23	118	0	0		S
Arsenic	ND	100	125	0	0	64	111	0	0		S
Barium	113.7	100	125	4.468	87.4	36	146	0	0		
Beryllium	114.2	100	125	0	91.4	50	120	0	0		
Cadmium	109.1	100	125	0	87.3	62	107	0	0		
Chromium	157.5	100	125	50.8	85.3	63	119	0	0		
Cobalt	117.8	100	125	0	94.2	63	111	0	0		
Copper	ND	200	125	0	156	58	136	0	0		S
Lead	12370	100	125	14220	-1480	47	125	0	0		S
Molybdenum	ND	100	125	0	69.4	63	116	0	0		
Nickel	400.4	100	125	333.3	53.7	57	116	0	0		S
Selenium	ND	100	125	0	0	47	118	0	0		S
Silver	105.9	100	125	0	84.7	48	125	0	0		
Thallium	155.4	100	125	0	124	49	116	0	0		S
Vanadium	103.9	100	125	0	83.1	65	122	0	0		
Zinc	119.4	100	125	0	95.5	36	140	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits DO- Surrogate dilute out
J - Analyte detected below quantitation limits B - Analyte detected in the associated Method Blank H - Sample exceeded holding time
R - RPD outside accepted recovery limits Calculations are based on raw values



CLIENT: SCS Engineers
Work Order: 077299
Project: LB Public Service Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: 077368-002AMSD	SampType: MSD	TestCode: 6010_S	Units: mg/Kg	Prep Date: 6/27/2005	Run ID: ICP6_050628A						
Client ID: ZZZZZ	Batch ID: 23346	TestNo: EPA 6010B	(EPA 3050B)	Analysis Date: 6/28/2005	SeqNo: 757993						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	200	125	0	0	23	118	0	0	20	S
Arsenic	ND	100	125	0	72.2	64	111	0	0	20	
Barium	120.2	100	125	4.468	92.6	36	146	113.7	5.57	20	
Beryllium	115.1	100	125	0	92.1	50	120	114.2	0.797	20	
Cadmium	116.7	100	125	0	93.4	62	107	109.1	6.72	20	
Chromium	161.6	100	125	50.8	88.6	63	119	157.5	2.58	20	
Cobalt	122.6	100	125	0	98.1	63	111	117.8	4.02	20	
Copper	ND	200	125	0	148	58	136	194.4	0	20	S
Lead	12680	100	125	14220	-1230	47	125	12370	2.47	20	S
Molybdenum	ND	100	125	0	73.8	63	116	86.72	0	20	
Nickel	393.8	100	125	333.3	48.4	57	116	400.4	1.67	20	S
Selenium	ND	100	125	0	0	47	118	0	0	20	S
Silver	107.8	100	125	0	86.3	48	125	105.9	1.82	20	
Thallium	141.4	100	125	0	113	49	116	155.4	9.44	20	
Vanadium	107.1	100	125	0	85.7	65	122	103.9	3.11	20	
Zinc	125.3	100	125	0	100	36	140	119.4	4.79	20	

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits
 B - Analyte detected in the associated Method Blank
 Calculations are based on raw values

DO- Surrogate dilute out
 H - Sample exceeded holding time



CLIENT: SCS Engineers
Work Order: 077299
Project: LB Public Service Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

TestCode: 7471_S

Sample ID: MB-23350	SampType: MBLK	TestCode: 7471_S	Units: mg/Kg	Prep Date: 6/27/2005	Run ID: AA1_050628B						
Client ID: ZZZZZ	Batch ID: 23350	TestNo: EPA 7471A	(EPA 7471)	Analysis Date: 6/28/2005	SeqNo: 758157						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.10									

Sample ID: LCS-23350	SampType: LCS	TestCode: 7471_S	Units: mg/Kg	Prep Date: 6/27/2005	Run ID: AA1_050628B						
Client ID: ZZZZZ	Batch ID: 23350	TestNo: EPA 7471A	(EPA 7471)	Analysis Date: 6/28/2005	SeqNo: 758156						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	2.252	0.10	2.08	0	108	80	120	0	0		

Sample ID: 077368-002AMS	SampType: MS	TestCode: 7471_S	Units: mg/Kg	Prep Date: 6/27/2005	Run ID: AA1_050628B						
Client ID: ZZZZZ	Batch ID: 23350	TestNo: EPA 7471A	(EPA 7471)	Analysis Date: 6/28/2005	SeqNo: 758154						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.9477	0.10	0.83	0.03864	110	62	146	0	0		

Sample ID: 077368-002AMSD	SampType: MSD	TestCode: 7471_S	Units: mg/Kg	Prep Date: 6/27/2005	Run ID: AA1_050628B						
Client ID: ZZZZZ	Batch ID: 23350	TestNo: EPA 7471A	(EPA 7471)	Analysis Date: 6/28/2005	SeqNo: 758155						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.9947	0.10	0.83	0.03864	115	62	146	0.9477	4.84	30	

Qualifiers: ND - Not Detected at the Reporting Limit
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S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values

DO- Surrogate dilute out
H - Sample exceeded holding time



CLIENT: SCS Engineers
Work Order: 077299
Project: LB Public Service Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_S

Sample ID: MB-23335	SampType: MBLK	TestCode: 8081_S	Units: µg/Kg	Prep Date: 6/27/2005	Run ID: GC5_050627A						
Client ID: ZZZZZ	Batch ID: 23335	TestNo: EPA 8081A	(EPA 3550B)	Analysis Date: 6/27/2005	SeqNo: 758127						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDD	ND	2.0									
4,4'-DDE	ND	2.0									
4,4'-DDT	ND	2.0									
Aldrin	ND	1.0									
alpha-BHC	ND	1.0									
alpha-Chlordane	ND	1.0									
beta-BHC	ND	1.0									
Chlordane	ND	8.5									
delta-BHC	ND	1.0									
Dieldrin	ND	2.0									
Endosulfan I	ND	1.0									
Endosulfan II	ND	2.0									
Endosulfan sulfate	ND	2.0									
Endrin	ND	2.0									
Endrin aldehyde	ND	2.0									
Endrin ketone	ND	2.0									
gamma-BHC	ND	1.0									
gamma-Chlordane	ND	1.0									
Heptachlor	ND	1.0									
Heptachlor epoxide	ND	1.0									
Methoxychlor	ND	8.5									
Toxaphene	ND	85									
Surr: Tetrachloro-m-xylene	13.06	0	16.65	0	78.5	59	116	0	0		
Surr: Decachlorobiphenyl	17.52	0	16.65	0	105	58	134	0	0		

Sample ID: LCS-23335	SampType: LCS	TestCode: 8081_S	Units: µg/Kg	Prep Date: 6/27/2005	Run ID: GC5_050627A						
Client ID: ZZZZZ	Batch ID: 23335	TestNo: EPA 8081A (EPA 3550B)	Analysis Date: 6/27/2005	SeqNo: 758128							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDT	16.34	2.0	16.65	0	98.1	66	136	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits DO- Surrogate dilute out
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R - RPD outside accepted recovery limits Calculations are based on raw values

CLIENT: SCS Engineers
Work Order: 077299
Project: LB Public Service Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_S

Sample ID: LCS-23335		SampType: LCS	TestCode: 8081_S		Units: µg/Kg	Prep Date: 6/27/2005		Run ID: GC5_050627A			
Client ID: ZZZZZ		Batch ID: 23335	TestNo: EPA 8081A		(EPA 3550B)	Analysis Date: 6/27/2005		SeqNo: 758128			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aldrin	16.45	1.0	16.65	0	98.8	85	134	0	0		
Dieldrin	15.97	2.0	16.65	0	95.9	82	128	0	0		
Endrin	17.74	2.0	16.65	0	107	77	139	0	0		
gamma-BHC	17.32	1.0	16.65	0	104	82	139	0	0		
Heptachlor	16.1	1.0	16.65	0	96.7	68	152	0	0		
Surr: Tetrachloro-m-xylene	14.14	0	16.65	0	84.9	59	116	0	0		
Surr: Decachlorobiphenyl	17.85	0	16.65	0	107	58	134	0	0		

Sample ID: 077299-010AMS		SampType: MS	TestCode: 8081_S		Units: µg/Kg	Prep Date: 6/27/2005		Run ID: GC5_050627A			
Client ID: B15-1'		Batch ID: 23335	TestNo: EPA 8081A		(EPA 3550B)	Analysis Date: 6/27/2005		SeqNo: 758129			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDT	15.09	2.0	16.65	0	90.6	48	150	0	0		
Aldrin	15.82	1.0	16.65	0	95	78	136	0	0		
Dieldrin	14.41	2.0	16.65	0	86.6	72	136	0	0		
Endrin	16.76	2.0	16.65	0	101	74	150	0	0		
gamma-BHC	16.07	1.0	16.65	0	96.5	76	138	0	0		
Heptachlor	16.49	1.0	16.65	0	99.1	71	149	0	0		
Surr: Tetrachloro-m-xylene	14.69	0	16.65	0	88.2	59	116	0	0		
Surr: Decachlorobiphenyl	11.81	0	16.65	0	70.9	58	134	0	0		

Sample ID: 077299-010AMSD		SampType: MSD	TestCode: 8081_S		Units: µg/Kg	Prep Date: 6/27/2005		Run ID: GC5_050627A			
Client ID: B15-1'		Batch ID: 23335	TestNo: EPA 8081A		(EPA 3550B)	Analysis Date: 6/27/2005		SeqNo: 758130			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDT	13.5	2.0	16.65	0	81.1	48	150	15.09	11.1	30	
Aldrin	13.96	1.0	16.65	0	83.9	78	136	15.82	12.4	30	
Dieldrin	12.31	2.0	16.65	0	73.9	72	136	14.41	15.8	30	
Endrin	15.66	2.0	16.65	0	94.1	74	150	16.76	6.78	30	
gamma-BHC	14.46	1.0	16.65	0	86.9	76	138	16.07	10.5	30	

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits DO- Surrogate dilute out
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R - RPD outside accepted recovery limits Calculations are based on raw values



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CLIENT: SCS Engineers
Work Order: 077299
Project: LB Public Service Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_S

Sample ID: 077299-010AMSD	SampType: MSD	TestCode: 8081_S	Units: µg/Kg	Prep Date: 6/27/2005	Run ID: GC5_050627A						
Client ID: B15-1'	Batch ID: 23335	TestNo: EPA 8081A	(EPA 3550B)	Analysis Date: 6/27/2005	SeqNo: 758130						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Heptachlor	14.99	1.0	16.65	0	90	71	149	16.49	9.56	30	
Surr: Tetrachloro-m-xylene	13.53	0	16.65	0	81.3	59	116	0	0	0	
Surr: Decachlorobiphenyl	10.85	0	16.65	0	65.1	58	134	0	0	0	

Qualifiers: ND - Not Detected at the Reporting Limit
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R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values

DO- Surrogate dilute out
H - Sample exceeded holding time

CLIENT: SCS Engineers
Work Order: 077299
Project: LB Public Service Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: P050624MB2		SampType: MBLK		TestCode: 8260_S		Units: µg/Kg		Prep Date:		Run ID: MS1_050624A	
Client ID: ZZZZ		Batch ID: P05VS095		TestNo: EPA 8260B		Analysis Date: 6/24/2005		SeqNo: 756666			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0									
1,1,1-Trichloroethane	ND	5.0									
1,1,2,2-Tetrachloroethane	ND	5.0									
1,1,2-Trichloroethane	ND	5.0									
1,1-Dichloroethane	ND	5.0									
1,1-Dichloroethene	ND	5.0									
1,1-Dichloropropene	ND	5.0									
1,2,3-Trichlorobenzene	ND	5.0									
1,2,3-Trichloropropane	ND	5.0									
1,2,4-Trichlorobenzene	ND	5.0									
1,2,4-Trimethylbenzene	ND	5.0									
1,2-Dibromo-3-chloropropane	ND	10									
1,2-Dibromoethane	ND	5.0									
1,2-Dichlorobenzene	ND	5.0									
1,2-Dichloroethane	ND	5.0									
1,2-Dichloropropane	ND	5.0									
1,3,5-Trimethylbenzene	ND	5.0									
1,3-Dichlorobenzene	ND	5.0									
1,3-Dichloropropane	ND	5.0									
1,4-Dichlorobenzene	ND	5.0									
2,2-Dichloropropane	ND	5.0									
2-Chlorotoluene	ND	5.0									
4-Chlorotoluene	ND	5.0									
4-Isopropyltoluene	ND	5.0									
Benzene	ND	5.0									
Bromobenzene	ND	5.0									
Bromodichloromethane	ND	5.0									
Bromoform	ND	5.0									
Bromomethane	ND	5.0									
Carbon tetrachloride	ND	5.0									

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits DO- Surrogate dilute out
J - Analyte detected below quantitation limits B - Analyte detected in the associated Method Blank H - Sample exceeded holding time
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CLIENT: SCS Engineers
Work Order: 077299
Project: LB Public Service Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: P050624MB2	SampType: MBLK	TestCode: 8260_S	Units: µg/Kg	Prep Date:	Run ID: MS1_050624A						
Client ID: ZZZZZ	Batch ID: P05VS095	TestNo: EPA 8260B	Analysis Date: 6/24/2005	SeqNo: 756666							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorobenzene	ND	5.0									
Chloroethane	ND	5.0									
Chloroform	ND	5.0									
Chloromethane	ND	5.0									
cis-1,2-Dichloroethene	ND	5.0									
cis-1,3-Dichloropropene	ND	5.0									
Dibromochloromethane	ND	5.0									
Dibromomethane	ND	5.0									
Dichlorodifluoromethane	ND	5.0									
Ethylbenzene	ND	5.0									
Hexachlorobutadiene	ND	5.0									
Isopropylbenzene	ND	5.0									
m,p-Xylene	ND	10									
Methylene chloride	ND	5.0									
n-Butylbenzene	ND	5.0									
n-Propylbenzene	ND	5.0									
Naphthalene	ND	5.0									
o-Xylene	ND	5.0									
sec-Butylbenzene	ND	5.0									
Styrene	ND	5.0									
tert-Butylbenzene	ND	5.0									
Tetrachloroethene	ND	5.0									
Toluene	ND	5.0									
trans-1,2-Dichloroethene	ND	5.0									
Trichloroethene	ND	5.0									
Trichlorofluoromethane	ND	5.0									
Vinyl chloride	ND	5.0									
Surr: 1,2-Dichloroethane-d4	48.58	5.0	50	0	97.2	66	149	0	0		
Surr: 4-Bromofluorobenzene	45.24	5.0	50	0	90.5	83	125	0	0		
Surr: Dibromofluoromethane	55.1	5.0	50	0	110	75	139	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values

DO- Surrogate dilute out
H - Sample exceeded holding time

CLIENT: SCS Engineers
Work Order: 077299
Project: LB Public Service Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: P050624MB2	SampType: MBLK	TestCode: 8260_S	Units: µg/Kg	Prep Date:	Run ID: MS1_050624A						
Client ID: ZZZZZ	Batch ID: P05VS095	TestNo: EPA 8260B		Analysis Date: 6/24/2005	SeqNo: 756666						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Toluene-d8	51.85	5.0	50	0	104	87	133	0	0		

Sample ID: P050627MB2	SampType: MBLK	TestCode: 8260_S	Units: µg/Kg	Prep Date:	Run ID: MS1_050627A						
Client ID: ZZZZZ	Batch ID: P05VS096	TestNo: EPA 8260B		Analysis Date: 6/27/2005	SeqNo: 757460						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0									
1,1,1-Trichloroethane	ND	5.0									
1,1,2,2-Tetrachloroethane	ND	5.0									
1,1,2-Trichloroethane	ND	5.0									
1,1-Dichloroethane	ND	5.0									
1,1-Dichloroethene	ND	5.0									
1,1-Dichloropropene	ND	5.0									
1,2,3-Trichlorobenzene	ND	5.0									
1,2,3-Trichloropropane	ND	5.0									
1,2,4-Trichlorobenzene	ND	5.0									
1,2,4-Trimethylbenzene	ND	5.0									
1,2-Dibromo-3-chloropropane	ND	10									
1,2-Dibromoethane	ND	5.0									
1,2-Dichlorobenzene	ND	5.0									
1,2-Dichloroethane	ND	5.0									
1,2-Dichloropropane	ND	5.0									
1,3,5-Trimethylbenzene	ND	5.0									
1,3-Dichlorobenzene	ND	5.0									
1,3-Dichloropropane	ND	5.0									
1,4-Dichlorobenzene	ND	5.0									
2,2-Dichloropropane	ND	5.0									
2-Chlorotoluene	ND	5.0									
4-Chlorotoluene	ND	5.0									
4-Isopropyltoluene	ND	5.0									

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits DO- Surrogate dilute out
J - Analyte detected below quantitation limits B - Analyte detected in the associated Method Blank H - Sample exceeded holding time
R - RPD outside accepted recovery limits Calculations are based on raw values



CLIENT: SCS Engineers
Work Order: 077299
Project: LB Public Service Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: P050627MB2		SampType: MBLK		TestCode: 8260_S		Units: µg/Kg		Prep Date:		Run ID: MS1_050627A	
Client ID: ZZZZZ		Batch ID: P05VS096		TestNo: EPA 8260B		Analysis Date: 6/27/2005		SeqNo: 757460			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	5.0									
Bromobenzene	ND	5.0									
Bromodichloromethane	ND	5.0									
Bromoform	ND	5.0									
Bromomethane	ND	5.0									
Carbon tetrachloride	ND	5.0									
Chlorobenzene	ND	5.0									
Chloroethane	ND	5.0									
Chloroform	ND	5.0									
Chloromethane	ND	5.0									
cis-1,2-Dichloroethene	ND	5.0									
cis-1,3-Dichloropropene	ND	5.0									
Dibromochloromethane	ND	5.0									
Dibromomethane	ND	5.0									
Dichlorodifluoromethane	ND	5.0									
Ethylbenzene	ND	5.0									
Hexachlorobutadiene	ND	5.0									
Isopropylbenzene	ND	5.0									
m,p-Xylene	ND	10									
Methylene chloride	ND	5.0									
n-Butylbenzene	ND	5.0									
n-Propylbenzene	ND	5.0									
Naphthalene	ND	5.0									
o-Xylene	ND	5.0									
sec-Butylbenzene	ND	5.0									
Styrene	ND	5.0									
tert-Butylbenzene	ND	5.0									
Tetrachloroethene	ND	5.0									
Toluene	ND	5.0									
trans-1,2-Dichloroethene	ND	5.0									

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits
 B - Analyte detected in the associated Method Blank
 Calculations are based on raw values

DO- Surrogate dilute out
 H - Sample exceeded holding time



CLIENT: SCS Engineers
Work Order: 077299
Project: LB Public Service Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: P050627MB2	SampType: MBLK	TestCode: 8260_S	Units: µg/Kg	Prep Date:	Run ID: MS1_050627A						
Client ID: ZZZZZ	Batch ID: P05VS096	TestNo: EPA 8260B		Analysis Date: 6/27/2005	SeqNo: 757460						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Trichloroethene	ND	5.0									
Trichlorofluoromethane	ND	5.0									
Vinyl chloride	ND	5.0									
Surr: 1,2-Dichloroethane-d4	40.95	5.0	50	0	81.9	66	149	0	0		
Surr: 4-Bromofluorobenzene	45.56	5.0	50	0	91.1	83	125	0	0		
Surr: Dibromofluoromethane	49.36	5.0	50	0	98.7	75	139	0	0		
Surr: Toluene-d8	49.6	5.0	50	0	99.2	87	133	0	0		

Sample ID: R050627MB2	SampType: MBLK	TestCode: 8260_S	Units: µg/Kg	Prep Date:	Run ID: MS3_050627A						
Client ID: ZZZZZ	Batch ID: R05VS082	TestNo: EPA 8260B		Analysis Date: 6/27/2005	SeqNo: 757483						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,1,1,2-Tetrachloroethane	ND	5.0									
1,1,1-Trichloroethane	ND	5.0									
1,1,2,2-Tetrachloroethane	ND	5.0									
1,1,2-Trichloroethane	ND	5.0									
1,1-Dichloroethane	ND	5.0									
1,1-Dichloroethene	ND	5.0									
1,1-Dichloropropene	ND	5.0									
1,2,3-Trichlorobenzene	ND	5.0									
1,2,3-Trichloropropane	ND	5.0									
1,2,4-Trichlorobenzene	ND	5.0									
1,2,4-Trimethylbenzene	ND	5.0									
1,2-Dibromo-3-chloropropane	ND	10									
1,2-Dibromoethane	ND	5.0									
1,2-Dichlorobenzene	ND	5.0									
1,2-Dichloroethane	ND	5.0									
1,2-Dichloropropane	ND	5.0									
1,3,5-Trimethylbenzene	ND	5.0									
1,3-Dichlorobenzene	ND	5.0									

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits DO- Surrogate dilute out
J - Analyte detected below quantitation limits B - Analyte detected in the associated Method Blank H - Sample exceeded holding time
R - RPD outside accepted recovery limits Calculations are based on raw values

CLIENT: SCS Engineers
Work Order: 077299
Project: LB Public Service Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: R050627MB2		SampType: MBLK		TestCode: 8260_S		Units: µg/Kg		Prep Date:		Run ID: MS3_050627A	
Client ID: ZZZZZ		Batch ID: R05VS082		TestNo: EPA 8260B		Analysis Date: 6/27/2005		SeqNo: 757483			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3-Dichloropropane	ND	5.0									
1,4-Dichlorobenzene	ND	5.0									
2,2-Dichloropropane	ND	5.0									
2-Chlorotoluene	ND	5.0									
4-Chlorotoluene	ND	5.0									
4-Isopropyltoluene	ND	5.0									
Benzene	ND	5.0									
Bromobenzene	ND	5.0									
Bromodichloromethane	ND	5.0									
Bromoform	ND	5.0									
Bromomethane	ND	5.0									
Carbon tetrachloride	ND	5.0									
Chlorobenzene	ND	5.0									
Chloroethane	ND	5.0									
Chloroform	ND	5.0									
Chloromethane	ND	5.0									
cis-1,2-Dichloroethene	ND	5.0									
cis-1,3-Dichloropropene	ND	5.0									
Dibromochloromethane	ND	5.0									
Dibromomethane	ND	5.0									
Dichlorodifluoromethane	ND	5.0									
Ethylbenzene	ND	5.0									
Hexachlorobutadiene	ND	5.0									
Isopropylbenzene	ND	5.0									
m,p-Xylene	ND	10									
Methylene chloride	ND	5.0									
n-Butylbenzene	ND	5.0									
n-Propylbenzene	ND	5.0									
Naphthalene	ND	5.0									
o-Xylene	ND	5.0									

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits DO- Surrogate dilute out
J - Analyte detected below quantitation limits B - Analyte detected in the associated Method Blank H - Sample exceeded holding time
R - RPD outside accepted recovery limits Calculations are based on raw values



CLIENT: SCS Engineers
Work Order: 077299
Project: LB Public Service Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT**TestCode: 8260_S**

Sample ID: R050627MB2	SampType: MBLK	TestCode: 8260_S	Units: µg/Kg	Prep Date:	Run ID: MS3_050627A						
Client ID: ZZZZZ	Batch ID: R05VS082	TestNo: EPA 8260B		Analysis Date: 6/27/2005	SeqNo: 757483						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
sec-Butylbenzene	ND	5.0									
Styrene	ND	5.0									
tert-Butylbenzene	ND	5.0									
Tetrachloroethene	ND	5.0									
Toluene	ND	5.0									
trans-1,2-Dichloroethene	ND	5.0									
Trichloroethene	ND	5.0									
Trichlorofluoromethane	ND	5.0									
Vinyl chloride	ND	5.0									
Surr: 1,2-Dichloroethane-d4	42.1	5.0	50	0	84.2	66	149	0	0		
Surr: 4-Bromofluorobenzene	44.76	5.0	50	0	89.5	83	125	0	0		
Surr: Dibromofluoromethane	44.94	5.0	50	0	89.9	75	139	0	0		
Surr: Toluene-d8	46.73	5.0	50	0	93.5	87	133	0	0		

Sample ID: P050624LC1	SampType: LCS	TestCode: 8260_S	Units: µg/Kg	Prep Date:	Run ID: MS1_050624A						
Client ID: ZZZZZ	Batch ID: P05VS095	TestNo: EPA 8260B		Analysis Date: 6/24/2005	SeqNo: 756663						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	112.4	5.0	100	0	112	70	119	0	0		
Benzene	101.5	5.0	100	0	102	80	121	0	0		
Chlorobenzene	110.4	5.0	100	0	110	88	129	0	0		
Toluene	100.8	5.0	100	0	101	84	126	0	0		
Trichloroethene	103.1	5.0	100	0	103	83	129	0	0		
Surr: 1,2-Dichloroethane-d4	42.18	5.0	50	0	84.4	66	149	0	0		
Surr: 4-Bromofluorobenzene	47.3	5.0	50	0	94.6	83	125	0	0		
Surr: Dibromofluoromethane	49.93	5.0	50	0	99.9	75	139	0	0		
Surr: Toluene-d8	51.76	5.0	50	0	104	87	133	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits
 B - Analyte detected in the associated Method Blank
 Calculations are based on raw values

DO- Surrogate dilute out
 H - Sample exceeded holding time



CLIENT: SCS Engineers
Work Order: 077299
Project: LB Public Service Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: P050627LC1	SampType: LCS	TestCode: 8260_S	Units: µg/Kg	Prep Date:	Run ID: MS1_050627A						
Client ID: ZZZZZ	Batch ID: P05VS096	TestNo: EPA 8260B		Analysis Date: 6/27/2005	SeqNo: 757457						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	107.8	5.0	100	0	108	70	119	0	0		
Benzene	103.6	5.0	100	0	104	80	121	0	0		
Chlorobenzene	118	5.0	100	0	118	88	129	0	0		
Toluene	105.5	5.0	100	0	106	84	126	0	0		
Trichloroethene	107.2	5.0	100	0	107	83	129	0	0		
Surr: 1,2-Dichloroethane-d4	39.72	5.0	50	0	79.4	66	149	0	0		
Surr: 4-Bromofluorobenzene	47.85	5.0	50	0	95.7	83	125	0	0		
Surr: Dibromofluoromethane	47.42	5.0	50	0	94.8	75	139	0	0		
Surr: Toluene-d8	50.92	5.0	50	0	102	87	133	0	0		

Sample ID: R050627LC2	SampType: LCS	TestCode: 8260_S	Units: µg/Kg	Prep Date:				Run ID: MS3_050627A			
Client ID: ZZZZZ	Batch ID: R05VS082	TestNo: EPA 8260B		Analysis Date: 6/27/2005				SeqNo: 757480			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	103.6	5.0	100	0	104	70	119	0	0		
Benzene	102.7	5.0	100	0	103	80	121	0	0		
Chlorobenzene	109.1	5.0	100	0	109	88	129	0	0		
Toluene	105.7	5.0	100	0	106	84	126	0	0		
Trichloroethene	108.3	5.0	100	0	108	83	129	0	0		
Surr: 1,2-Dichloroethane-d4	39.42	5.0	50	0	78.8	66	149	0	0		
Surr: 4-Bromofluorobenzene	49.81	5.0	50	0	99.6	83	125	0	0		
Surr: Dibromofluoromethane	43.76	5.0	50	0	87.5	75	139	0	0		
Surr: Toluene-d8	48.58	5.0	50	0	97.2	87	133	0	0		

Sample ID: P050624MB2MS	SampType: MS	TestCode: 8260_S	Units: µg/Kg	Prep Date:	Run ID: MS1_050624A						
Client ID: ZZZZZ	Batch ID: P05VS095	TestNo: EPA 8260B		Analysis Date: 6/24/2005	SeqNo: 756664						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	114.8	5.0	100	0	115	52	135	0	0		
Benzene	106.8	5.0	100	0	107	52	143	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits
 B - Analyte detected in the associated Method Blank
 Calculations are based on raw values

DO- Surrogate dilute out
 H - Sample exceeded holding time



CLIENT: SCS Engineers
Work Order: 077299
Project: LB Public Service Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT**TestCode: 8260_S**

Sample ID: P050624MB2MS	SampType: MS	TestCode: 8260_S	Units: µg/Kg	Prep Date:	Run ID: MS1_050624A						
Client ID: ZZZZZ	Batch ID: P05VS095	TestNo: EPA 8260B		Analysis Date: 6/24/2005	SeqNo: 756664						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Chlorobenzene	119.8	5.0	100	0	120	48	154	0	0		
Toluene	107.3	5.0	100	0	107	54	146	0	0		
Trichloroethene	107.9	5.0	100	0	108	44	169	0	0		
Surr: 1,2-Dichloroethane-d4	43.21	5.0	50	0	86.4	66	149	0	0		
Surr: 4-Bromofluorobenzene	47.69	5.0	50	0	95.4	83	125	0	0		
Surr: Dibromofluoromethane	50.3	5.0	50	0	101	75	139	0	0		
Surr: Toluene-d8	51.25	5.0	50	0	103	87	133	0	0		

Sample ID: P050627MB2MS	SampType: MS	TestCode: 8260_S	Units: µg/Kg	Prep Date:	Run ID: MS1_050627A						
Client ID: ZZZZZ	Batch ID: P05VS096	TestNo: EPA 8260B		Analysis Date: 6/27/2005	SeqNo: 757458						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,1-Dichloroethene	110.7	5.0	100	0	111	52	135	0	0		
Benzene	104.4	5.0	100	0	104	52	143	0	0		
Chlorobenzene	120.2	5.0	100	0	120	48	154	0	0		
Toluene	103	5.0	100	0	103	54	146	0	0		
Trichloroethene	105.8	5.0	100	0	106	44	169	0	0		
Surr: 1,2-Dichloroethane-d4	39.37	5.0	50	0	78.7	66	149	0	0		
Surr: 4-Bromofluorobenzene	46.74	5.0	50	0	93.5	83	125	0	0		
Surr: Dibromofluoromethane	48.16	5.0	50	0	96.3	75	139	0	0		
Surr: Toluene-d8	49.83	5.0	50	0	99.7	87	133	0	0		

Sample ID: R050627MB2MS	SampType: MS	TestCode: 8260_S	Units: µg/Kg	Prep Date:	Run ID: MS3_050627A						
Client ID: ZZZZZ	Batch ID: R05VS082	TestNo: EPA 8260B		Analysis Date: 6/27/2005	SeqNo: 757481						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,1-Dichloroethene	101.5	5.0	100	0	102	52	135	0	0		
Benzene	105.2	5.0	100	0	105	52	143	0	0		
Chlorobenzene	108.9	5.0	100	0	109	48	154	0	0		
Toluene	106.8	5.0	100	0	107	54	146	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits DO- Surrogate dilute out
J - Analyte detected below quantitation limits B - Analyte detected in the associated Method Blank H - Sample exceeded holding time
R - RPD outside accepted recovery limits Calculations are based on raw values



CLIENT: SCS Engineers
Work Order: 077299
Project: LB Public Service Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: R050627MB2MS	SampType: MS	TestCode: 8260_S	Units: µg/Kg	Prep Date:	Run ID: MS3_050627A						
Client ID: ZZZZZ	Batch ID: R05VS082	TestNo: EPA 8260B		Analysis Date: 6/27/2005	SeqNo: 757481						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Trichloroethene	108.4	5.0	100	0	108	44	169	0	0		
Surr: 1,2-Dichloroethane-d4	40.33	5.0	50	0	80.7	66	149	0	0		
Surr: 4-Bromofluorobenzene	49.18	5.0	50	0	98.4	83	125	0	0		
Surr: Dibromofluoromethane	43.43	5.0	50	0	86.9	75	139	0	0		
Surr: Toluene-d8	48.52	5.0	50	0	97	87	133	0	0		

Sample ID: P050624MB2MSD	SampType: MSD	TestCode: 8260_S	Units: µg/Kg	Prep Date:	Run ID: MS1_050624A						
Client ID: ZZZZZ	Batch ID: P05VS095	TestNo: EPA 8260B		Analysis Date: 6/24/2005	SeqNo: 756665						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	114.6	5.0	100	0	115	52	135	114.8	0.105	30	
Benzene	107.7	5.0	100	0	108	52	143	106.8	0.839	30	
Chlorobenzene	118.9	5.0	100	0	119	48	154	119.8	0.704	30	
Toluene	107.6	5.0	100	0	108	54	146	107.3	0.289	30	
Trichloroethene	108.7	5.0	100	0	109	44	169	107.9	0.711	30	
Surr: 1,2-Dichloroethane-d4	43.07	5.0	50	0	86.1	66	149	0	0	30	
Surr: 4-Bromofluorobenzene	48.57	5.0	50	0	97.1	83	125	0	0	30	
Surr: Dibromofluoromethane	50.16	5.0	50	0	100	75	139	0	0	30	
Surr: Toluene-d8	52.45	5.0	50	0	105	87	133	0	0	30	

Sample ID: P050627MB2MSD	SampType: MSD	TestCode: 8260_S	Units: µg/Kg	Prep Date:	Run ID: MS1_050627A						
Client ID: ZZZZZ	Batch ID: P05VS096	TestNo: EPA 8260B		Analysis Date: 6/27/2005	SeqNo: 757459						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	108.7	5.0	100	0	109	52	135	110.7	1.81	30	
Benzene	105.4	5.0	100	0	105	52	143	104.4	0.982	30	
Chlorobenzene	120.2	5.0	100	0	120	48	154	120.2	0.00832	30	
Toluene	107.3	5.0	100	0	107	54	146	103	4.11	30	
Trichloroethene	106.7	5.0	100	0	107	44	169	105.8	0.857	30	
Surr: 1,2-Dichloroethane-d4	39.13	5.0	50	0	78.3	66	149	0	0	30	

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits DO- Surrogate dilute out
 J - Analyte detected below quantitation limits B - Analyte detected in the associated Method Blank H - Sample exceeded holding time
 R - RPD outside accepted recovery limits Calculations are based on raw values

CLIENT: SCS Engineers
Work Order: 077299
Project: LB Public Service Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: P050627MB2MSD		SampType: MSD		TestCode: 8260_S		Units: µg/Kg		Prep Date:		Run ID: MS1_050627A	
Client ID: ZZZZZ		Batch ID: P05VS096		TestNo: EPA 8260B		Analysis Date: 6/27/2005		SeqNo: 757459			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	47.57	5.0	50	0	95.1	83	125	0	0	30	
Surr: Dibromofluoromethane	47.05	5.0	50	0	94.1	75	139	0	0	30	
Surr: Toluene-d8	51.23	5.0	50	0	102	87	133	0	0	30	

Sample ID: R050627MB2MSD		SampType: MSD		TestCode: 8260_S		Units: µg/Kg		Prep Date:		Run ID: MS3_050627A	
Client ID: ZZZZZ		Batch ID: R05VS082		TestNo: EPA 8260B		Analysis Date: 6/27/2005		SeqNo: 757482			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	103.5	5.0	100	0	104	52	135	101.5	1.96	30	
Benzene	105.2	5.0	100	0	105	52	143	105.2	0.0570	30	
Chlorobenzene	107.2	5.0	100	0	107	48	154	108.9	1.58	30	
Toluene	106.4	5.0	100	0	106	54	146	106.8	0.319	30	
Trichloroethene	108.9	5.0	100	0	109	44	169	108.4	0.469	30	
Surr: 1,2-Dichloroethane-d4	40.45	5.0	50	0	80.9	66	149	0	0	30	
Surr: 4-Bromofluorobenzene	48.13	5.0	50	0	96.3	83	125	0	0	30	
Surr: Dibromofluoromethane	43.84	5.0	50	0	87.7	75	139	0	0	30	
Surr: Toluene-d8	48.07	5.0	50	0	96.1	87	133	0	0	30	

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values

DO- Surrogate dilute out
H - Sample exceeded holding time



CLIENT: SCS Engineers
Work Order: 077299
Project: LB Public Service Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S_5035

Sample ID: P050624MB2		SampType: MBLK		TestCode: 8260_S_5035		Units: µg/Kg		Prep Date:		Run ID: MS1_050624A	
Client ID: ZZZZZ		Batch ID: P05VS095		TestNo: EPA 8260B		Analysis Date: 6/24/2005		SeqNo: 757452			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0									
1,1,1-Trichloroethane	ND	5.0									
1,1,2,2-Tetrachloroethane	ND	5.0									
1,1,2-Trichloroethane	ND	5.0									
1,1-Dichloroethane	ND	5.0									
1,1-Dichloroethene	ND	5.0									
1,1-Dichloropropene	ND	5.0									
1,2,3-Trichlorobenzene	ND	5.0									
1,2,3-Trichloropropane	ND	5.0									
1,2,4-Trichlorobenzene	ND	5.0									
1,2,4-Trimethylbenzene	ND	5.0									
1,2-Dibromo-3-chloropropane	ND	10									
1,2-Dibromoethane	ND	5.0									
1,2-Dichlorobenzene	ND	5.0									
1,2-Dichloroethane	ND	5.0									
1,2-Dichloropropane	ND	5.0									
1,3,5-Trimethylbenzene	ND	5.0									
1,3-Dichlorobenzene	ND	5.0									
1,3-Dichloropropane	ND	5.0									
1,4-Dichlorobenzene	ND	5.0									
2,2-Dichloropropane	ND	5.0									
2-Chlorotoluene	ND	5.0									
4-Chlorotoluene	ND	5.0									
4-Isopropyltoluene	ND	5.0									
Benzene	ND	5.0									
Bromobenzene	ND	5.0									
Bromodichloromethane	ND	5.0									
Bromoform	ND	5.0									
Bromomethane	ND	5.0									
Carbon tetrachloride	ND	5.0									

Qualifiers: ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

Calculations are based on raw values

DO- Surrogate dilute out

H - Sample exceeded holding time



CLIENT: SCS Engineers
Work Order: 077299
Project: LB Public Service Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S_5035

Sample ID: P050624MB2	SampType: MBLK	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:	Run ID: MS1_050624A						
Client ID: ZZZZZ	Batch ID: P05VS095	TestNo: EPA 8260B		Analysis Date: 6/24/2005	SeqNo: 757452						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorobenzene	ND	5.0									
Chloroethane	ND	5.0									
Chloroform	ND	5.0									
Chloromethane	ND	5.0									
cis-1,2-Dichloroethene	ND	5.0									
cis-1,3-Dichloropropene	ND	5.0									
Dibromochloromethane	ND	5.0									
Dibromomethane	ND	5.0									
Dichlorodifluoromethane	ND	5.0									
Ethylbenzene	ND	5.0									
Hexachlorobutadiene	ND	5.0									
Isopropylbenzene	ND	5.0									
m,p-Xylene	ND	10									
Methylene chloride	ND	5.0									
n-Butylbenzene	ND	5.0									
n-Propylbenzene	ND	5.0									
Naphthalene	ND	5.0									
o-Xylene	ND	5.0									
sec-Butylbenzene	ND	5.0									
Styrene	ND	5.0									
tert-Butylbenzene	ND	5.0									
Tetrachloroethene	ND	5.0									
Toluene	ND	5.0									
trans-1,2-Dichloroethene	ND	5.0									
Trichloroethene	ND	5.0									
Trichlorofluoromethane	ND	5.0									
Vinyl chloride	ND	5.0									
Surr: 1,2-Dichloroethane-d4	48.58	5.0	50	0	97.2	66	149	0	0		
Surr: 4-Bromofluorobenzene	45.24	5.0	50	0	90.5	83	125	0	0		
Surr: Dibromofluoromethane	55.1	5.0	50	0	110	75	139	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
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R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values

DO- Surrogate dilute out
H - Sample exceeded holding time



CLIENT: SCS Engineers
Work Order: 077299
Project: LB Public Service Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S_5035

Sample ID: P050624MB2	SampType: MBLK	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:	Run ID: MS1_050624A						
Client ID: ZZZZZ	Batch ID: P05VS095	TestNo: EPA 8260B		Analysis Date: 6/24/2005	SeqNo: 757452						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Toluene-d8	51.85	5.0	50	0	104	87	133	0	0		

Sample ID: P050627MB2	SampType: MBLK	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:	Run ID: MS1_050627A						
Client ID: ZZZZZ	Batch ID: P05VS096	TestNo: EPA 8260B		Analysis Date: 6/27/2005	SeqNo: 757967						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0									
1,1,1-Trichloroethane	ND	5.0									
1,1,2,2-Tetrachloroethane	ND	5.0									
1,1,2-Trichloroethane	ND	5.0									
1,1-Dichloroethane	ND	5.0									
1,1-Dichloroethene	ND	5.0									
1,1-Dichloropropene	ND	5.0									
1,2,3-Trichlorobenzene	ND	5.0									
1,2,3-Trichloropropane	ND	5.0									
1,2,4-Trichlorobenzene	ND	5.0									
1,2,4-Trimethylbenzene	ND	5.0									
1,2-Dibromo-3-chloropropane	ND	10									
1,2-Dibromoethane	ND	5.0									
1,2-Dichlorobenzene	ND	5.0									
1,2-Dichloroethane	ND	5.0									
1,2-Dichloropropane	ND	5.0									
1,3,5-Trimethylbenzene	ND	5.0									
1,3-Dichlorobenzene	ND	5.0									
1,3-Dichloropropane	ND	5.0									
1,4-Dichlorobenzene	ND	5.0									
2,2-Dichloropropane	ND	5.0									
2-Chlorotoluene	ND	5.0									
4-Chlorotoluene	ND	5.0									
4-Isopropyltoluene	ND	5.0									

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 Calculations are based on raw values

DO- Surrogate dilute out
 H - Sample exceeded holding time

CLIENT: SCS Engineers
Work Order: 077299
Project: LB Public Service Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S_5035

Sample ID: P050627MB2		SampType: MBLK		TestCode: 8260_S_5035 Units: µg/Kg		Prep Date:		Run ID: MS1_050627A			
Client ID: ZZZZZ		Batch ID: P05VS096		TestNo: EPA 8260B		Analysis Date: 6/27/2005		SeqNo: 757967			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	5.0									
Bromobenzene	ND	5.0									
Bromodichloromethane	ND	5.0									
Bromoform	ND	5.0									
Bromomethane	ND	5.0									
Carbon tetrachloride	ND	5.0									
Chlorobenzene	ND	5.0									
Chloroethane	ND	5.0									
Chloroform	ND	5.0									
Chloromethane	ND	5.0									
cis-1,2-Dichloroethene	ND	5.0									
cis-1,3-Dichloropropene	ND	5.0									
Dibromochloromethane	ND	5.0									
Dibromomethane	ND	5.0									
Dichlorodifluoromethane	ND	5.0									
Ethylbenzene	ND	5.0									
Hexachlorobutadiene	ND	5.0									
Isopropylbenzene	ND	5.0									
m,p-Xylene	ND	10									
Methylene chloride	ND	5.0									
n-Butylbenzene	ND	5.0									
n-Propylbenzene	ND	5.0									
Naphthalene	ND	5.0									
o-Xylene	ND	5.0									
sec-Butylbenzene	ND	5.0									
Styrene	ND	5.0									
tert-Butylbenzene	ND	5.0									
Tetrachloroethene	ND	5.0									
Toluene	ND	5.0									
trans-1,2-Dichloroethene	ND	5.0									

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits DO- Surrogate dilute out
J - Analyte detected below quantitation limits B - Analyte detected in the associated Method Blank H - Sample exceeded holding time
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CLIENT: SCS Engineers
Work Order: 077299
Project: LB Public Service Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S_5035

Sample ID: P050627MB2		SampType: MBLK		TestCode: 8260_S_5035		Units: µg/Kg		Prep Date:		Run ID: MS1_050627A	
Client ID: ZZZZZ		Batch ID: P05VS096		TestNo: EPA 8260B		Analysis Date: 6/27/2005		SeqNo: 757967			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Trichloroethene	ND	5.0									
Trichlorofluoromethane	ND	5.0									
Vinyl chloride	ND	5.0									
Surr: 1,2-Dichloroethane-d4	40.95	5.0	50	0	81.9	66	149	0	0		
Surr: 4-Bromofluorobenzene	45.56	5.0	50	0	91.1	83	125	0	0		
Surr: Dibromofluoromethane	49.36	5.0	50	0	98.7	75	139	0	0		
Surr: Toluene-d8	49.6	5.0	50	0	99.2	87	133	0	0		

Sample ID: P050624LC1		SampType: LCS		TestCode: 8260_S_5035		Units: µg/Kg		Prep Date:		Run ID: MS1_050624A	
Client ID: ZZZZZ		Batch ID: P05VS095		TestNo: EPA 8260B		Analysis Date: 6/24/2005		SeqNo: 757449			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	112.4	5.0	100	0	112	70	119	0	0		
Benzene	101.5	5.0	100	0	102	80	121	0	0		
Chlorobenzene	110.4	5.0	100	0	110	88	129	0	0		
Toluene	100.8	5.0	100	0	101	84	126	0	0		
Trichloroethene	103.1	5.0	100	0	103	83	129	0	0		
Surr: 1,2-Dichloroethane-d4	42.18	5.0	50	0	84.4	66	149	0	0		
Surr: 4-Bromofluorobenzene	47.3	5.0	50	0	94.6	83	125	0	0		
Surr: Dibromofluoromethane	49.93	5.0	50	0	99.9	75	139	0	0		
Surr: Toluene-d8	51.76	5.0	50	0	104	87	133	0	0		

Sample ID: P050627LC1		SampType: LCS		TestCode: 8260_S_5035		Units: µg/Kg		Prep Date:		Run ID: MS1_050627A	
Client ID: ZZZZZ		Batch ID: P05VS096		TestNo: EPA 8260B		Analysis Date: 6/27/2005		SeqNo: 757964			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	107.8	5.0	100	0	108	70	119	0	0		
Benzene	103.6	5.0	100	0	104	80	121	0	0		
Chlorobenzene	118	5.0	100	0	118	88	129	0	0		
Toluene	105.5	5.0	100	0	106	84	126	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
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 B - Analyte detected in the associated Method Blank
 Calculations are based on raw values

DO- Surrogate dilute out
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CLIENT: SCS Engineers
Work Order: 077299
Project: LB Public Service Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S_5035

Sample ID: P050627LC1	SampType: LCS	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:	Run ID: MS1_050627A						
Client ID: ZZZZZ	Batch ID: P05VS096	TestNo: EPA 8260B		Analysis Date: 6/27/2005	SeqNo: 757964						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Trichloroethene	107.2	5.0	100	0	107	83	129	0	0		
Surr: 1,2-Dichloroethane-d4	39.72	5.0	50	0	79.4	66	149	0	0		
Surr: 4-Bromofluorobenzene	47.85	5.0	50	0	95.7	83	125	0	0		
Surr: Dibromofluoromethane	47.42	5.0	50	0	94.8	75	139	0	0		
Surr: Toluene-d8	50.92	5.0	50	0	102	87	133	0	0		

Sample ID: P050624MB2MS	SampType: MS	TestCode: 8260_S_5035 Units: µg/Kg				Prep Date:			Run ID: MS1_050624A		
Client ID: ZZZZZ	Batch ID: P05VS095	TestNo: EPA 8260B				Analysis Date: 6/24/2005			SeqNo: 757450		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	114.8	5.0	100	0	115	52	135	0	0		
Benzene	106.8	5.0	100	0	107	52	143	0	0		
Chlorobenzene	119.8	5.0	100	0	120	48	154	0	0		
Toluene	107.3	5.0	100	0	107	54	146	0	0		
Trichloroethene	107.9	5.0	100	0	108	44	169	0	0		
Surr: 1,2-Dichloroethane-d4	43.21	5.0	50	0	86.4	66	149	0	0		
Surr: 4-Bromofluorobenzene	47.69	5.0	50	0	95.4	83	125	0	0		
Surr: Dibromofluoromethane	50.3	5.0	50	0	101	75	139	0	0		
Surr: Toluene-d8	51.25	5.0	50	0	103	87	133	0	0		

Sample ID: P050627MB2MS	SampType: MS	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:	Run ID: MS1_050627A						
Client ID: ZZZZZ	Batch ID: P05VS096	TestNo: EPA 8260B		Analysis Date: 6/27/2005	SeqNo: 757965						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	110.7	5.0	100	0	111	52	135	0	0		
Benzene	104.4	5.0	100	0	104	52	143	0	0		
Chlorobenzene	120.2	5.0	100	0	120	48	154	0	0		
Toluene	103	5.0	100	0	103	54	146	0	0		
Trichloroethene	105.8	5.0	100	0	106	44	169	0	0		
Surr: 1,2-Dichloroethane-d4	39.37	5.0	50	0	78.7	66	149	0	0		

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 Calculations are based on raw values

DO- Surrogate dilute out
 H - Sample exceeded holding time



CLIENT: SCS Engineers
Work Order: 077299
Project: LB Public Service Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S_5035

Sample ID: P050627MB2MS	SampType: MS	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:	Run ID: MS1_050627A						
Client ID: ZZZZZ	Batch ID: P05VS096	TestNo: EPA 8260B		Analysis Date: 6/27/2005	SeqNo: 757965						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: 4-Bromofluorobenzene	46.74	5.0	50	0	93.5	83	125	0	0		
Surr: Dibromofluoromethane	48.16	5.0	50	0	96.3	75	139	0	0		
Surr: Toluene-d8	49.83	5.0	50	0	99.7	87	133	0	0		

Sample ID: P050624MB2MSD	SampType: MSD	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:	Run ID: MS1_050624A						
Client ID: ZZZZZ	Batch ID: P05VS095	TestNo: EPA 8260B		Analysis Date: 6/24/2005	SeqNo: 757451						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,1-Dichloroethene	114.6	5.0	100	0	115	52	135	114.8	0.105	30	
Benzene	107.7	5.0	100	0	108	52	143	106.8	0.839	30	
Chlorobenzene	118.9	5.0	100	0	119	48	154	119.8	0.704	30	
Toluene	107.6	5.0	100	0	108	54	146	107.3	0.289	30	
Trichloroethene	108.7	5.0	100	0	109	44	169	107.9	0.711	30	
Surr: 1,2-Dichloroethane-d4	43.07	5.0	50	0	86.1	66	149	0	0	30	
Surr: 4-Bromofluorobenzene	48.57	5.0	50	0	97.1	83	125	0	0	30	
Surr: Dibromofluoromethane	50.16	5.0	50	0	100	75	139	0	0	30	
Surr: Toluene-d8	52.45	5.0	50	0	105	87	133	0	0	30	

Sample ID: P050627MB2MSD	SampType: MSD	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:	Run ID: MS1_050627A						
Client ID: ZZZZZ	Batch ID: P05VS096	TestNo: EPA 8260B		Analysis Date: 6/27/2005	SeqNo: 757966						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,1-Dichloroethene	108.7	5.0	100	0	109	52	135	110.7	1.81	30	
Benzene	105.4	5.0	100	0	105	52	143	104.4	0.982	30	
Chlorobenzene	120.2	5.0	100	0	120	48	154	120.2	0.00832	30	
Toluene	107.3	5.0	100	0	107	54	146	103	4.11	30	
Trichloroethene	106.7	5.0	100	0	107	44	169	105.8	0.857	30	
Surr: 1,2-Dichloroethane-d4	39.13	5.0	50	0	78.3	66	149	0	0	30	
Surr: 4-Bromofluorobenzene	47.57	5.0	50	0	95.1	83	125	0	0	30	
Surr: Dibromofluoromethane	47.05	5.0	50	0	94.1	75	139	0	0	30	

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits DO- Surrogate dilute out
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R - RPD outside accepted recovery limits Calculations are based on raw values



CLIENT: SCS Engineers
Work Order: 077299
Project: LB Public Service Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S_5035

Sample ID: P050627MB2MSD	SampType: MSD	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:	Run ID: MS1_050627A						
Client ID: ZZZZZ	Batch ID: P05VS096	TestNo: EPA 8260B		Analysis Date: 6/27/2005	SeqNo: 757966						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Toluene-d8	51.23	5.0	50	0	102	87	133	0	0	30	

Qualifiers: ND - Not Detected at the Reporting Limit
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CLIENT: SCS Engineers
Work Order: 077299
Project: LB Public Service Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

TestCode: HC_S_VOAC4C12

Sample ID: E062305MB2	SampType: MBLK	TestCode: HC_S_VOAC	Units: mg/Kg	Prep Date:	Run ID: GC2_050623B						
Client ID: ZZZZZ	Batch ID: E05VS164	TestNo: EPA 8015B		Analysis Date: 6/23/2005	SeqNo: 759804						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C4-C12	ND	1.0									
Surr: Bromofluorobenzene (FID)	76.67	1.0	100	0	76.7	35	139	0	0		

Sample ID: E062305LCS3	SampType: LCS	TestCode: HC_S_VOAC	Units: mg/Kg	Prep Date:	Run ID: GC2_050623B						
Client ID: ZZZZZ	Batch ID: E05VS164	TestNo: EPA 8015B		Analysis Date: 6/24/2005	SeqNo: 759816						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C4-C12	5.473	1.0	5	0	109	79	117	0	0		
Surr: Bromofluorobenzene (FID)	91.96	1.0	100	0	92	35	139	0	0		

Sample ID: 077299-040AMS	SampType: MS	TestCode: HC_S_VOAC	Units: mg/Kg	Prep Date:	Run ID: GC2_050623B						
Client ID: B22-5	Batch ID: E05VS164	TestNo: EPA 6015B		Analysis Date: 6/24/2005	SeqNo: 759814						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C4-C12	5.15	1.0	5	0	103	35	134	0	0		
Surr: Bromofluorobenzene (FID)	88.72	1.0	100	0	88.7	35	139	0	0		

Sample ID: 077299-040AMSD	SampType: MSD	TestCode: HC_S_VOAC	Units: mg/Kg	Prep Date:	Run ID: GC2_050623B						
Client ID: B22-5	Batch ID: E05VS164	TestNo: EPA 8015B		Analysis Date: 6/24/2005	SeqNo: 759815						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C4-C12	4.855	1.0	5	0	97.1	35	134	5.15	5.90	30	
Surr: Bromofluorobenzene (FID)	89.98	1.0	100	0	90	35	139	0	0	0	

Qualifiers: ND - Not Detected at the Reporting Limit
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 Calculations are based on raw values

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CLIENT: SCS Engineers
Work Order: 077299
Project: LB Public Service Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT**TestCode: HC_S_VOAENCC4C12**

Sample ID: E062305MB2	SampType: MBLK	TestCode: HC_S_VOAE	Units: mg/Kg	Prep Date:	Run ID: GC2_050623B						
Client ID: ZZZZZ	Batch ID: E05VS164	TestNo: EPA 8015B		Analysis Date: 6/23/2005	SeqNo: 759588						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C4-C12	ND	1.0									
Surr: Bromofluorobenzene (FID)	76.67	1.0	100	0	76.7	35	139	0	0		

Sample ID: E062305LCS3	SampType: LCS	TestCode: HC_S_VOAE	Units: mg/Kg	Prep Date:	Run ID: GC2_050623B						
Client ID: ZZZZZ	Batch ID: E05VS164	TestNo: EPA 8015B		Analysis Date: 6/24/2005	SeqNo: 759581						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C4-C12	5.473	1.0	5	0	109	79	117	0	0		
Surr: Bromofluorobenzene (FID)	91.96	1.0	100	0	92	35	139	0	0		

Sample ID: 077299-040AMS	SampType: MS	TestCode: HC_S_VOAE	Units: mg/Kg	Prep Date:	Run ID: GC2_050623B						
Client ID: B22-5	Batch ID: E05VS164	TestNo: EPA 8015B		Analysis Date: 6/24/2005	SeqNo: 759579						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C4-C12	5.15	1.0	5	0	103	35	134	0	0		
Surr: Bromofluorobenzene (FID)	88.72	1.0	100	0	88.7	35	139	0	0		

Sample ID: 077299-040AMSD	SampType: MSD	TestCode: HC_S_VOAE	Units: mg/Kg	Prep Date:	Run ID: GC2_050623B						
Client ID: B22-5	Batch ID: E05VS164	TestNo: EPA 8015B		Analysis Date: 6/24/2005	SeqNo: 759580						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C4-C12	4.855	1.0	5	0	97.1	35	134	5.15	5.90	30	
Surr: Bromofluorobenzene (FID)	89.98	1.0	100	0	90	35	139	0	0	0	

Qualifiers: ND - Not Detected at the Reporting Limit
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 R - RPD outside accepted recovery limits

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 B - Analyte detected in the associated Method Blank
 Calculations are based on raw values

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CLIENT: SCS Engineers
Work Order: 077299
Project: LB Public Service Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

TestCode: HC_S

Sample ID: MB-23319	SampType: MBLK	TestCode: HC_S	Units: mg/Kg	Prep Date: 6/24/2005	Run ID: GC7_BACK_050624B						
Client ID: ZZZZZ	Batch ID: 23319	TestNo: EPA 8015B(M (LUFT)		Analysis Date: 6/24/2005	SeqNo: 759608						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C13-C22	ND	10									
Surr: p-Terphenyl	75.6	0	80	0	94.5	51	128	0	0		

Sample ID: MB-23319	SampType: MBLK	TestCode: HC_S	Units: mg/Kg	Prep Date: 6/24/2005	Run ID: GC7_BACK_050624B						
Client ID: ZZZZZ	Batch ID: 23319	TestNo: EPA 8015B(M (LUFT)		Analysis Date: 6/28/2005	SeqNo: 759629						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C13-C22	ND	10									
Surr: p-Terphenyl	89.54	0	80	0	112	51	128	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values

DO- Surrogate dilute out
H - Sample exceeded holding time



CLIENT: SCS Engineers
Work Order: 077299
Project: LB Public Service Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

TestCode: HC_S_SVOA

Sample ID: MB-23319	SampType: MBLK	TestCode: HC_S_SVOA	Units: mg/Kg	Prep Date: 6/24/2005	Run ID: GC7_BACK_050624B						
Client ID: ZZZZZ	Batch ID: 23319	TestNo: EPA 8015B	(LUFT)	Analysis Date: 6/24/2005	SeqNo: 757509						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C23-C32	ND	10									
T/R Hydrocarbons: >C32	ND	10									
Surr: p-Terphenyl	75.6	10	80	0	94.5	51	128	0	0		

Sample ID: MB-23319	SampType: MBLK	TestCode: HC_S_SVOA	Units: mg/Kg	Prep Date: 6/24/2005	Run ID: GC7_BACK_050624B						
Client ID: ZZZZZ	Batch ID: 23319	TestNo: EPA 8015B	(LUFT)	Analysis Date: 6/28/2005	SeqNo: 758417						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C23-C32	ND	10									
T/R Hydrocarbons: >C32	ND	10									
Surr: p-Terphenyl	89.54	10	80	0	112	51	128	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values

DO- Surrogate dilute out
H - Sample exceeded holding time



CLIENT: SCS Engineers
Work Order: 077299
Project: LB Public Service Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT**BatchID: 23319**

Sample ID: LCS-23319	SampType: LCS	TestCode: 8015_S_DM	Units: mg/Kg	Prep Date: 6/24/2005	Run ID: GC7_BACK_050624B						
Client ID: ZZZZZ	Batch ID: 23319	TestNo: EPA 8015B(M (LUFT)		Analysis Date: 6/24/2005	SeqNo: 757505						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	728.8	10	1000	0	72.9	68	126	0	0		
Surr: p-Terphenyl	75.69	0	80	0	94.6	51	128	0	0		

Sample ID: LCS-23319	SampType: LCS	TestCode: 8015_S_DM	Units: mg/Kg	Prep Date: 6/24/2005	Run ID: GC7_BACK_050624B						
Client ID: ZZZZZ	Batch ID: 23319	TestNo: EPA 8015B(M (LUFT)		Analysis Date: 6/28/2005	SeqNo: 758388						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	901.2	10	1000	0	90.1	68	126	0	0		
Surr: p-Terphenyl	95.95	0	80	0	120	51	128	0	0		

Sample ID: 077298-014AMS	SampType: MS	TestCode: 8015_S_DM	Units: mg/Kg	Prep Date: 6/24/2005	Run ID: GC7_BACK_050624B						
Client ID: ZZZZZ	Batch ID: 23319	TestNo: EPA 8015B(M (LUFT)		Analysis Date: 6/24/2005	SeqNo: 757506						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	742.1	10	1000	0	74.2	49	139	0	0		
Surr: p-Terphenyl	70.12	0	80	0	87.7	51	128	0	0		

Sample ID: 077298-014AMSD	SampType: MSD	TestCode: 8015_S_DM	Units: mg/Kg	Prep Date: 6/24/2005	Run ID: GC7_BACK_050624B						
Client ID: ZZZZZ	Batch ID: 23319	TestNo: EPA 8015B(M (LUFT)		Analysis Date: 6/24/2005	SeqNo: 757507						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	853.2	10	1000	0	85.3	49	139	742.1	13.9	30	
Surr: p-Terphenyl	71.1	0	80	0	88.9	51	128	0	0	30	

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 R - RPD outside accepted recovery limits

S - Spike/Surrogate outside limits due to matrix interference
 B - Analyte detected in the associated Method Blank
Calculations are based on raw values

DO - Surrogate diluted out
 H - Sample exceeded holding time

CHAIN OF CUSTODY RECORD

SCS ENGINEERS Environmental Consultants

3711 Long Beach Blvd., Ninth Floor
Long Beach, California 90807-3315
Phone: (562) 426-9544 Fax: (562) 427-0805

TOTAL NUMBER OF SAMPLES:

PAGE 1 OF 3

TURNAROUND TIME REQUIRED:

☒ 5-Day ☐ 3-Day ☐ Immediate ☐ Other

ANALYSES REQUESTED

LAB USE ONLY

PROJECT NUMBER: 01204007.02

PROJECT MANAGER: Kevin Green

PROJECT NAME: LB Public Service Yard

W.O. / S.O. #:

PROJECT LOCATION: 1601 San Francisco Ave.

SAMPLER NAME AND SIGNATURE: Kevin Green / Kevin Green

I.D. NUMBER	SAMPLE DESIGNATION	SAMPLE MATRIX	DATE/TIME COLLECTED	CONTAINER SIZE/TYPE	SAMPLE PRESERVATIVE	SPECIAL INSTRUCTIONS/COMMENTS	Tithe 22 Metals	TPH Carbon Chain	EPA 8081A	8260B	Archive
	B2-1'	soil	6-20-05	Acetate Specie	+		X				
	B3-1'	"	"	"	+		X				
	B5-1'	"	"	"	"						X
	B5-5'	"	"	"	"		X	X			
	B5-10'	"	"	"	"						X
	B13-1'	"	"	"	"		X				
	B14-1'	"	"	"	"		X				X
	B14-5'	"	"	"	"		X	X			X KCT
	B14-10'	"	"	"	"		X	X			
	B15-1'	"	"	"	"				X		
	B15-5'	"	"	"	"				X		
	B16-1'	"	"	"	"				X		
	B16-5'	"	"	"	"				X		
	B12-1'	"	"	Acetate	" 10:05		X				
	B12-5	"	"	Soils + Acetate	" 10:09			X	X		

NOTES:

SAMPLE CONDITION UPON RECEIPT:

RELINQUISHED BY: Kevin Green	DATE: 6-22-05	RECEIVED BY: BING ROURA	DATE: 6/22/05	RELINQUISHED BY: BING ROURA	DATE: 6/22/05	RECEIVED BY: [Signature]	DATE: 06/22/05
COMPANY: SCS	TIME: 4:25	COMPANY: ATL	TIME: 4:25 pm	COMPANY: ATL	TIME: 4:55 pm	COMPANY: ATL	TIME: 7:00 1700

CHAIN OF CUSTODY RECORD

SCS ENGINEERS Environmental Consultants

3711 Long Beach Blvd., Ninth Floor
Long Beach, California 90807-3315
Phone: (562) 426-9544 Fax: (562) 427-0805

TOTAL NUMBER OF SAMPLES:

PAGE 2 OF 3

TURNAROUND TIME REQUIRED:

☒ 5-Day ☐ 3-Day ☐ Immediate ☐ Other

ANALYSES REQUESTED

LAB USE-
ONLY

PROJECT NUMBER: 01204007.02

PROJECT NAME: LB Public Service Yard

PROJECT LOCATION: 1601 San Francisco Ave.

SAMPLER NAME AND SIGNATURE: Jason Brown and Kevin Green / Kevin Green

PROJECT MANAGER: Kevin Green

W.O. / S.O. #:

I.D. NUMBER	SAMPLE DESIGNATION	SAMPLE MATRIX	DATE/TIME COLLECTED	CONTAINER SIZE/TYPE	SAMPLE PRESERVATIVE	SPECIAL INSTRUCTIONS/COMMENTS	Tithe 22 Metals TPH-CC 8081A 8260B Active									
	B12-10	soil	6/20/05 10:15	Acetate	ILZ											X
	B19-1		10:36	acetate sleeve			X	X								
	B19-5		10:40	5035 acetate			X	X	X							
	B17-1		10:54	acetate												X
	B17-5		10:56	5035 acetate												X
	B17-10		11:01	Acetate												X
	B7-1		12:06	Acetate												X
	B7-5		12:09	5035 + Acetate				X	X							
	B7-10		12:12	5035 + Acetate												X
	B8-1		12:23	Acetate												X
	B8-5		12:27	5035 + Acetate			X	X	X							
	B8-10		12:31	5035 + Acetate												X
	B4-1		12:52	Acetate												X
	B4-5		12:54	5035 + Acetate												X
	B4-10		12:54	5035 + Acetate					X							

NOTES:

SAMPLE CONDITION UPON RECEIPT:

RELINQUISHED BY: Kevin Green	DATE: 6/22/05	RECEIVED BY: BING ROWEN	DATE: 6/22/05	RELINQUISHED BY: BING ROWEN	DATE: 6/22/05	RECEIVED BY: [Signature]	DATE: 06/22/05
COMPANY: SCS	TIME: 4:25	COMPANY: ATL	TIME: 4:25 pm	COMPANY: ATL	TIME: 4:55 pm	COMPANY: ATL	TIME: 1700



American Environmental Testing Laboratory Inc.

2834 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840

CHAIN OF CUSTODY RECORD

No 38799

COMPANY SCS Engineers				PHONE (562) 426-9544		AETL JOB No.		Page 3 of 3	
PROJECT MANAGER Kevin Green				FAX		ANALYSIS REQUESTED			
PROJECT NAME Long Beach Public Service Yard				PROJECT # 01204007.02		TEST INSTRUCTIONS & COMMENTS			
SITE NAME AND ADDRESS 1601 San Francisco Ave									
SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.			
B16-1		6-20-05	1312	SSI	Acetate				
B16-5			1313						
B16-10			1317						
B20-1									
B20-5									
B20-10									
B21-1									
B21-5									
B22-1									
B22-5									
B23-1									
B23-5									
B9-1									
B9-5									
SAMPLE RECEIPT - TO BE FILLED BY LABORATORY						RELINQUISHED BY: 1.		RELINQUISHED BY: 2.	
TOTAL NUMBER OF CONTAINERS		PROPERLY COOLED Y / N / NA		Signature: <i>Kevin Green</i>		Signature: <i>R</i>		Signature:	
CUSTODY SEALS Y / N / NA		SAMPLES INTACT Y / N / NA		Printed Name: <i>Kevin Green</i>		Printed Name: <i>BING ROURA</i>		Printed Name:	
RECEIVED IN GOOD COND. Y / N		SAMPLES ACCEPTED Y / N		Date: <i>6-22-05</i> Time: <i>4:25</i>		Date: <i>6/22/05</i> Time: <i>4:55pm</i>		Date: Time:	
TURN AROUND TIME						RECEIVED BY: 1.		RECEIVED BY: 2.	
☒ NORMAL ☐ RUSH ☐ SAME DAY ☐ 48 HRS. ☐ 24 HRS. ☐ 72 HRS.						Signature: <i>R</i>		Signature:	
						Printed Name:		Printed Name:	
						Date: <i>6/22/05</i> Time: <i>4:25pm</i>		Date: Time:	
						RECEIVED BY: 3.		RECEIVED BY: 3.	
						Signature: <i>BETH ALPANTE</i>		Signature:	
						Printed Name:		Printed Name:	
						Date: <i>6/22/05</i> Time: <i>4:25pm</i>		Date: <i>6/22/05</i> Time: <i>1:00</i>	

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator

Arada, Mary Rachelle

From: Aguila, Carmen
Sent: Thursday, June 23, 2005 2:56 PM
To: Arada, Mary Rachelle
Subject: FW: Analyses for Long Beach Service Yard Project

-----Original Message-----

From: Kevin W. Green [mailto:kgreen@scsengineers.com]
Sent: Thursday, June 23, 2005 2:37 PM
To: Aguila, Carmen
Subject: Analyses for Long Beach Service Yard Project

Carmen,

Per our telephone discussion of a few minutes ago, please analyze sample B14-1 for Title 22 metals. Disregard the Chain of Custody where the "archive" column was marked.

Thank you – Kevin



Kevin W. Green, PG, REA
SCS ENGINEERS
3900 Kilroy Airport Way, Suite 100
Long Beach, CA 90806-6816
Phone: (562) 426-9544
Fax: (562) 427-0805
www.scsengineers.com

APPENDIX C
BORING LOGS



3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806-6816

BORING NUMBER: B1

Page 1 of 1

**Long Beach Public Service Yard
1601 San Francisco Ave.
Long Beach, CA**

JOB NUMBER: 01204007.02

REMARKS:

Depth		Sample Information					Graphic Log	Description	Completion Detail
meters	feet	Sample Location	Sample Number	Blow Counts	OVM (ppm)	USCS Soil Class.			
0	0							Surface - asphalt	0
	1		B1-1'		3.2	SP		1' - Gray sand, medium dense, dry	
	2								
	3								
1	4								
	5		B1-5'		0.5	SM		5' - Gray-brown, silty sand, occasional brick, moist, no odor; artificial fill	5
	6								
	7								
	8								
	9								
	10		B1-10'		0.5	SM		10' - Gray, silty sand, medium dense, wet, no odor	10
	11								
	12								
	13								
4	14								
	15								

Drilling Company: **H&P**

Drilling Method: **Strataprobe**

Logged By: **K. Green**

Sampling Method: **Split spoon with acetate sleeve**

Date Started: **6/21/05**

Date Ended: **6/21/05**

Boring Diameter: **2.0"**

Time Started: **10:45**

Time Ended: **11:00**

Depth to Water: **10.0 ft.**

Total Depth: **10.0 ft.**

SCS ENGINEERS

BORING LOG

3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806-6816

BORING NUMBER: B2

Page 1 of 1

Long Beach Public Service Yard
1601 San Francisco Ave.
Long Beach, CA

JOB NUMBER: 01204007.02

REMARKS:

Depth		Sample Information					Graphic Log	Description	Completion Detail
meters	feet	Sample Location	Sample Number	Blow Counts	OVM (ppm)	USCS Soil Class.			
0	0							Surface - asphalt	0
	1		B2-1'			ML/SP		1' - Dark brown silt over tan, fine sand	← Asphalt ← Bentonite chips
	2								
	3								
1	4								
	5								
	6								
2	7								
	8								
	9								
3	10								
	11								
	12								
4	13								
	14								
	15								

Drilling Company: **H&P**

Drilling Method: **Strataprobe**

Logged By: **K. Green**

Sampling Method: **Split spoon with acetate sleeve**

Date Started: **6/20/05**

Date Ended: **6/20/05**

Boring Diameter: **2.0"**

Time Started: **08:00**

Time Ended: **08:01**

Total Depth: **1.5 ft.**

STANDARD_LOG_01204007.02A.GPJ STD_LOG.GDT 8/2/05

3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806-6816

BORING NUMBER: B3

Page 1 of 1

Long Beach Public Service Yard
1601 San Francisco Ave.
Long Beach, CA

JOB NUMBER: 01204007.02

REMARKS:

Depth		Sample Information					Graphic Log	Description	Completion Detail
meters	feet	Sample Location	Sample Number	Blow Counts	OVM (ppm)	USCS Soil Class.			
0	0							Surface - asphalt	0
	1		B3-1			ML		1' - Dark brown silt, moist; red, degraded (soft) brick in drive shoe	Asphalt Bentonite chips
	2								
	3								
1	4								
	5								
	6								
2	7								
	8								
	9								
3	10								
	11								
	12								
4	13								
	14								
	15								

Drilling Company: **H&P**

Drilling Method: **Strataprobe**

Logged By: **K. Green**

Sampling Method: **Split spoon with acetate sleeve**

Date Started: **6/20/05**

Date Ended: **6/20/05**

Boring Diameter: **2.0"**

Time Started: **08:18**

Time Ended: **08:20**

Total Depth: **1.5 ft.**

3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806-6816

BORING NUMBER: B4

Page 1 of 1

Long Beach Public Service Yard
1601 San Francisco Ave.
Long Beach, CA

JOB NUMBER: 01204007.02

REMARKS:

Depth		Sample Information					Graphic Log	Description	Completion Detail
meters	feet	Sample Location	Sample Number	Blow Counts	OVM (ppm)	USCS Soil Class.			
0	0							Surface - asphalt	0
	1		B4-1'		N/A				
	2								
	3								
1	4								
	5		B4-5'		4.7	SW		Brown to black, fine to coarse sand, slightly moist, no odor	5
	6								
2	7								
	8								
	9								
3	10		B4-10'		221	ML		Brown, clayey silt, wet, no odor	10
	11								
	12								
4	13								
	14								
	15								

Drilling Company: **H&P**

Drilling Method: **Strataprobe**

Logged By: **J. Brown**

Sampling Method: **Split spoon with acetate sleeve**

Date Started: **6/20/05**

Date Ended: **6/20/05**

Boring Diameter: **2.0"**

Total Depth: **10.0 ft.**

STANDARD_LOG_01204007_02A.GPJ STD_LOG.GDT 6/24/05

3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806-6816

BORING NUMBER: B5

Page 1 of 1

Long Beach Public Service Yard
1601 San Francisco Ave.
Long Beach, CA

JOB NUMBER: 01204007.02

REMARKS:

Depth		Sample Information					Graphic Log	Description	Completion Detail
meters	feet	Sample Location	Sample Number	Blow Counts	OVM (ppm)	USCS Soil Class.			
0	0								
	1		B5-1			SM		1' - Dark brown sand/silt mix, moist	
	2								
	3								
1	4								
	5		B5-5		2.4	SM		5' - Dark brown to light gray, silty sand with gravel, moist	
	6								
	7								
	8								
	9								
2	10		B5-10		2.2	SM		10' - Gray, silty sand, micaceous, wet Groundwater at 10'	
	11								
	12								
	13								
4	14								
	15								

Drilling Company: **H&P**

Drilling Method: **Strataprobe**

Logged By: **K. Green**

Sampling Method: **Split spoon with acetate sleeve**

Date Started: **6/20/05**

Date Ended: **6/20/05**

Boring Diameter: **2.0"**

Depth to Water: **10.0 ft.**

Total Depth: **10.0 ft.**

STANDARD_LOG_01204007_02A.GPJ STD_LOG.GDT 8/2/05

3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806-6816

BORING NUMBER: B6

Page 1 of 1

Long Beach Public Service Yard
1601 San Francisco Ave.
Long Beach, CA

JOB NUMBER: 01204007.02

REMARKS:

Depth		Sample Information					Graphic Log	Description	Completion Detail
meters	feet	Sample Location	Sample Number	Blow Counts	OVN (ppm)	USCS Soil Class.			
0	0							2" asphalt	0
	1		B6-1'						
	2								
	3								
1	4								
	5		B6-5'			ML		Brown clayey silt with sand, moist, no odor	5
	6								
2	7								
	8								
	9								
3	10		B6-10'			SW		Brown to black, medium to coarse sand with brick (artificial fill) and gray, some "clasts" of clayey silt, moist, no odor	10
	11								
	12								
4	13								
	14								
	15								

Drilling Company: **H&P**

Drilling Method: **Strataprobe**

Logged By: **J. Brown**

Sampling Method: **Split spoon with acetate sleeve**

Date Started: **6/20/05**

Date Ended: **6/20/05**

Boring Diameter: **2.0"**

Total Depth: **10.0 ft.**

SCS ENGINEERS

BORING LOG

3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806-6816

BORING NUMBER: B7

Page 1 of 1

Long Beach Public Service Yard
1601 San Francisco Ave.
Long Beach, CA

JOB NUMBER: 01204007.02

REMARKS:

Depth		Sample Information					Graphic Log	Description	Completion Detail
meters	feet	Sample Location	Sample Number	Blow Counts	OVm (ppm)	USCS Soil Class.			
0	0							2" asphalt	0
	1		B7-1'		23.4	SP		Light brown to tan, fine to medium sand	
	2								
	3								
1	4								
	5		B7-5'		65.8	SP		Light brown to black, medium sand with bricks, no odor (artificial fill)	5
	6								
	7								
2	8								
	9								
	10		B7-10'		6.3	ML		Brown, clayey silt, saturated, no odor	10
	11								
	12								
	13								
4	14								
	15								

Drilling Company: **H&P**

Drilling Method: **Strataprobe**

Logged By: **J. Brown**

Sampling Method: **Split spoon with acetate sleeve**

Date Started: **6/20/05**

Date Ended: **6/20/05**

Boring Diameter: **2.0"**

Depth to Water: **10.0 ft.**

Total Depth: **10.0 ft.**

STANDARD_LOG_01204007_02A.GPJ STD_LOG.GDT 8/2/05

3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806-6816

BORING NUMBER: B8

Page 1 of 1

Long Beach Public Service Yard
1601 San Francisco Ave.
Long Beach, CA

JOB NUMBER: 01204007.02

REMARKS:

Depth		Sample Information					Graphic Log	Description	Completion Detail
meters	feet	Sample Location	Sample Number	Blow Counts	OVM (ppm)	USCS Soil Class.			
0	0							2" asphalt	0
	1		B8-1'		2.1	SW		Black, coarse sand with some gravel, slightly moist, no odor	
	2								
	3								
1	4								
	5		B8-5'		39.5	SW		Brown to black, coarse sand with some gravel, slightly moist, no odor	5
	6								
	7								
	8								
	9								
2	10		B8-10'		4.9	SW		Tan to light brown, fine to coarse sand, slightly moist, no odor	10
	11								
	12								
	13								
4	14								
	15								

Drilling Company: **H&P**

Drilling Method: **Strataprobe**

Logged By: **J. Brown**

Sampling Method: **Split spoon with acetate sleeve**

Date Started: **6/20/05**

Date Ended: **6/20/05**

Boring Diameter: **2.0"**

Total Depth: **10.0 ft.**

3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806-6816

BORING NUMBER: B9

Page 1 of 1

Long Beach Public Service Yard
1601 San Francisco Ave.
Long Beach, CA

JOB NUMBER: 01204007.02

REMARKS:

Depth		Sample Information					Graphic Log	Description	Completion Detail
meters	feet	Sample Location	Sample Number	Blow Counts	OVM (ppm)	USCS Soil Class.			
0	0							Surface - grass	
1	1		B9-1'		5	ML		1' - Brown silt, dry	
2	2								
3	3								
4	4								
5	5		B9-5'		5	SP		5' - Gray, fine sand	
6	6								
7	7								
8	8								
9	9								
10	10								
11	11								
12	12								
13	13								
14	14								
15	15								

← Bentonite chips

Drilling Company: **H&P**

Drilling Method: **Strataprobe**

Logged By: **K. Green**

Sampling Method: **Split spoon with acetate sleeve**

Date Started: **6/20/05**

Date Ended: **6/20/05**

Boring Diameter: **2.0"**

Total Depth: **5.0 ft.**

3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806-6816

BORING NUMBER: B10

Page 1 of 1

Long Beach Public Service Yard
1601 San Francisco Ave.
Long Beach, CA

JOB NUMBER: 01204007.02

REMARKS:

Depth		Sample Information					Graphic Log	Description	Completion Detail
meters	feet	Sample Location	Sample Number	Blow Counts	OVM (ppm)	USCS Soil Class.			
0	0							Surface - asphalt	
1	1		B10-1'		1.2	SP		1' - Variegated gray-red-brown sand, slightly moist, no odor	
2	2								
3	3								
4	4								
5	5		B10-5'		0.6	SP		5' - Gray sand, medium dense, micaceous, moist, no odor	
6	6								
7	7								
8	8								
9	9								
10	10								
11	11								
12	12								
13	13								
14	14								
15	15								

← Bentonite chips

Drilling Company: H&P

Drilling Method: Strataprobe

Logged By: K. Green

Sampling Method: Split spoon with acetate sleeve

Date Started: 6/21/05

Date Ended: 6/21/05

Boring Diameter: 1.5"

Time Started: 12:15

Time Ended: 12:25

Total Depth: 5.0 ft.

3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806-6816

BORING NUMBER: B11

Page 1 of 1

**Long Beach Public Service Yard
1601 San Francisco Ave.
Long Beach, CA**

JOB NUMBER: 01204007.02

REMARKS:

Depth		Sample Information					Graphic Log	Description	Completion Detail
meters	feet	Sample Location	Sample Number	Blow Counts	OM (ppm)	USCS Soil Class.			
0	0							Surface - asphalt	0
	1		B11-1'		0.7	SM		1' - Gray-brown sand/silt mix with gravel, medium dense, moist, no odor	
	2								
	3								
1	4								
	5		B11-5'		0.7	SP		5' - Brown, fine sand, micaceous, medium dense, moist	5
	6								
	7								
2	8								
	9								
	10		B11-10'		0.7	ML		10' - Gray brown, clayey silt, soft, moist, no odor	10
3	11								
	12								
	13								
4	14								
	15								

Drilling Company: **H&P**

Drilling Method: **Strataprobe**

Logged By: **K. Green**

Sampling Method: **Split spoon with acetate sleeve**

Date Started: **6/21/05**

Time Started: **12:00**

Date Ended: **6/21/05**

Time Ended: **12:15**

Boring Diameter: **1.5"**

Total Depth: **10.0 ft.**

3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806-6816

BORING NUMBER: B12

Page 1 of 1

**Long Beach Public Service Yard
1601 San Francisco Ave.
Long Beach, CA**

JOB NUMBER: 01204007.02

REMARKS:

Depth		Sample Information					Graphic Log	Description	Completion Detail
meters	feet	Sample Location	Sample Number	Blow Counts	OVM (ppm)	USCS Soil Class.			
0	0							Surface - 2" asphalt	0
	1		B12-1'			SM		1' - Dark brown to black, silty sand, slightly moist, no odor	
	2								
	3								
-1	4								
	5		B12-5'			SP		5' - Light gray-brown, medium to coarse sand with brick, no odor (artificial fill)	5
	6								
-2	7								
	8								
	9								
-3	10		B12-10'			SM		10' - Brown to black, silty sand, moist, no odor	10
	11								
	12								
	13								
-4	14								
	15								

Drilling Company: **H&P**

Drilling Method: **Strataprobe**

Logged By: **J. Brown**

Sampling Method: **Split spoon with acetate sleeve**

Date Started: **6/20/05**

Date Ended: **6/20/05**

Boring Diameter: **2.0"**

Total Depth: **10.0 ft.**

3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806-6816

BORING NUMBER: B13

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Long Beach Public Service Yard
1601 San Francisco Ave.
Long Beach, CA

JOB NUMBER: 01204007.02

REMARKS:

Depth		Sample Information					Graphic Log	Description	Completion Detail
meters	feet	Sample Location	Sample Number	Blow Counts	OVM (ppm)	USCS Soil Class.			
0	0							Surface - asphalt	0
	1		B13-1'			SM		1' - Gray-brown mix of sand and silt, moist, brick in core	← Asphalt ← Bentonite chips
	2								
	3								
1	4								
	5								
	6								
2	7								
	8								
	9								
3	10								
	11								
	12								
4	13								
	14								
	15								

Drilling Company: **H&P**

Drilling Method: **Strataprobe**

Logged By: **K. Green**

Sampling Method: **Split spoon with acetate sleeve**

Date Started: **6/20/05**

Date Ended: **6/20/05**

Boring Diameter: **2.0"**

Total Depth: **1.5 ft.**

3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806-6816

BORING NUMBER: B14

Page 1 of 1

Long Beach Public Service Yard
1601 San Francisco Ave.
Long Beach, CA

JOB NUMBER: 01204007.02

REMARKS:

Depth		Sample Information					Graphic Log	Description	Completion Detail
meters	feet	Sample Location	Sample Number	Blow Counts	OM (ppm)	USCS Soil Class.			
0	0								0
	1		B14-1'		2.0	ML		1' - Light tan to reddish brown silt, moist	
	2								
	3								
-1	4								
	5		B14-5'		4.0	SM		5' - Variegated dark gray to white to brown sand with silt, moist (artificial fill)	5
	6								
-2	7								
	8								
	9								
-3	10		B14-10'		NA	SM		10' - Dark brown-gray sand/silt mix with angular pea gravel, moist	10
	11								
	12								
-4	13								
	14								
	15								

Drilling Company: **H&P**

Drilling Method: **Strataprobe**

Logged By: **K. Green**

Sampling Method: **Split spoon with acetate sleeve**

Date Started: **6/20/05**

Date Ended: **6/20/05**

Boring Diameter: **2.0"**

Total Depth: **10.0 ft.**

STANDARD_LOG_01204007_02A.GPJ STD_LOG.GDT 6/24/05

3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806-6816

BORING NUMBER: B15

Page 1 of 1

Long Beach Public Service Yard
1601 San Francisco Ave.
Long Beach, CA

JOB NUMBER: 01204007.02

REMARKS:

Depth		Sample Information					Graphic Log	Description	Completion Detail
meters	feet	Sample Location	Sample Number	Blow Counts	OVN (ppm)	USCS Soil Class.			
0	0								0
	1		B15-1'		NA	SM		1' - White to brown to red variegated sand/silt mix, moist	Asphalt
	2								Bentonite chips
	3								
1	4								
	5		B15-5'		NA	SM		5' - White to brown to red variegated sand/silt mix, moist	
	6								
2	7								
	8								
	9								
3	10								10
	11								
	12								
4	13								
	14								
	15								

Drilling Company: **H&P**

Drilling Method: **Strataprobe**

Logged By: **K. Green**

Sampling Method: **Split spoon with acetate sleeve**

Date Started: **6/20/05**

Date Ended: **6/20/05**

Boring Diameter: **2.0"**

Total Depth: **5.0 ft.**

3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806-6816

BORING NUMBER: B16

Page 1 of 1

**Long Beach Public Service Yard
1601 San Francisco Ave.
Long Beach, CA**

JOB NUMBER: 01204007.02

REMARKS:

Depth		Sample Information					Graphic Log	Description	Completion Detail
meters	feet	Sample Location	Sample Number	Blow Counts	OVM (ppm)	USCS Soil Class.			
0	0							Surface - asphalt	0
	1		B16-1'		NA	SM		1' - Variegated white to brown to dark gray sand/silt mix	
	2								
	3								
1	4								
	5		B16-5'		NA	SM		5' - Dark brown sand/silt mix, moist	5
	6								
2	7								
	8								
	9								
3	10								10
	11								
	12								
4	13								
	14								
	15								

Drilling Company: **H&P**

Drilling Method: **Strataprobe**

Logged By: **K. Green**

Sampling Method: **Split spoon with acetate sleeve**

Date Started: **6/20/05**

Date Ended: **6/20/05**

Boring Diameter: **2.0"**

Total Depth: **5.0 ft.**

STANDARD_LOG 01204007 02A.GPJ STD_LOG.GDT 6/24/05

3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806-6816

BORING NUMBER: B17

Page 1 of 1

**Long Beach Public Service Yard
1601 San Francisco Ave.
Long Beach, CA**

JOB NUMBER: 01204007.02

REMARKS:

Depth		Sample Information					Graphic Log	Description	Completion Detail
meters	feet	Sample Location	Sample Number	Blow Counts	OM (ppm)	USCS Soil Class.			
0	0							Surface - asphalt	0
	1		B17-1'		NA	NA		Not available	
	2								
	3								
1	4								
	5		B17-5'		2.0	ML		5' - Brown, clayey silt, moist, no odor	5
	6								
2	7								
	8								
	9								
3	10		B17-10'		2.0	ML		10' - Brown, clayey silt, wet, no odor	10
	11								
	12								
4	13								
	14								
	15								

Drilling Company: **H&P**

Drilling Method: **Direct Push**

Logged By: **K. Mika**

Sampling Method: **Split spoon**

Date Started: **6/20/05**

Date Ended: **6/20/05**

Boring Diameter: **2.0"**

Total Depth: **10.0 ft.**

3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806-6816

BORING NUMBER: B18

Page 1 of 1

Long Beach Public Service Yard
1601 San Francisco Ave.
Long Beach, CA

JOB NUMBER: 01204007.02

REMARKS:

Depth		Sample Information					Graphic Log	Description	Completion Detail
meters	feet	Sample Location	Sample Number	Blow Counts	OVM (ppm)	USCS Soil Class.			
0	0							Surface - asphalt	0
	1		B18-1'		1.8	SM		1' - Gray, silty sand, medium dense, moist, possible slight hydrocarbon odor	← Asphalt
	2								
	3								← Bentonite chips
1	4								
	5		B18-5'		3.0	SM		5' - Gray, silty sand, medium dense, moist, no odor	5
	6								
2	7								
	8								
	9								
3	10								10
	11								
	12								
4	13								
	14								
	15								

Drilling Company: **H&P**

Drilling Method: **Strataprobe**

Logged By: **K. Green**

Sampling Method: **Split spoon with acetate sleeve**

Date Started: **6/21/05**

Time Started: **12:35**

Date Ended: **6/21/05**

Time Ended: **12:45**

Boring Diameter: **1.5"**

Total Depth: **5.0 ft.**

3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806-6816

BORING NUMBER: B19

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Long Beach Public Service Yard
1601 San Francisco Ave.
Long Beach, CA

JOB NUMBER: 01204007.02

REMARKS:

Depth		Sample Information					Graphic Log	Description	Completion Detail
meters	feet	Sample Location	Sample Number	Blow Counts	OVM (ppm)	USCS Soil Class.			
0	0							Surface - asphalt	0
	1		B19-1'		2.0	SM		1' - Brown to black, silty sand with gravel and brick debris	
	2								
	3								
1	4								
	5		B19-5'		2.8	ML		5' - Dark gray to brown, clayey silt with some sand and gravel	5
	6								
2	7								
	8								
	9								
3	10								10
	11								
	12								
4	13								
	14								
	15								

Drilling Company: **H&P**

Drilling Method: **Strataprobe**

Logged By: **K. Green**

Sampling Method: **Split spoon with acetate sleeve**

Date Started: **6/20/05**

Date Ended: **6/20/05**

Boring Diameter: **2.0"**

Total Depth: **5.0 ft.**

STANDARD_LOG 01204007.02A.GPJ STD_LOG.GDT 6/24/05

SCS ENGINEERS

BORING LOG

3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806-6816

BORING NUMBER: B20

Page 1 of 1

Long Beach Public Service Yard
1601 San Francisco Ave.
Long Beach, CA

JOB NUMBER: 01204007.02

REMARKS:

Depth		Sample Information					Graphic Log	Description	Completion Detail
meters	feet	Sample Location	Sample Number	Blow Counts	OVM (ppm)	USCS Soil Class.			
0	0							Surface - asphalt	0
	1		B20-1'		4.1	ML		1' - Gray-brown silt, moist	
	2								
	3								
1	4								
	5		B20-5'		3.0	ML		5' - Gray silt, moist	5
	6								
	7								
	8								
	9								
	10		B20-10'		3.2	ML		10' - Gray silt, moist	10
	11								
	12								
	13								
4	14								
	15								

Drilling Company: **H&P**

Drilling Method: **Strataprobe**

Logged By: **K. Green**

Sampling Method: **Split spoon with acetate sleeve**

Date Started: **6/20/05**

Date Ended: **6/20/05**

Boring Diameter: **2.0"**

Total Depth: **10.0 ft.**

STANDARD_LOG 01204007 02A.GPJ STD_LOG.GDT 6/24/05

3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806-6816

BORING NUMBER: B21

Page 1 of 1

Long Beach Public Service Yard
1601 San Francisco Ave.
Long Beach, CA

JOB NUMBER: 01204007.02

REMARKS:

Depth		Sample Information					Graphic Log	Description	Completion Detail
meters	feet	Sample Location	Sample Number	Blow Counts	OVM (ppm)	USCS Soil Class.			
0	0							Surface - asphalt	0
	1		B21-1'		3.5	SM		1' - Gray, silty sand, micaceous, moist, no odor	
	2								
	3								
1	4								
	5		B21-5'		33.0	SM		5' - Gray, silty sand, micaceous, moist, no odor	5
	6								
2	7								
	8								
	9								
3	10								10
	11								
	12								
4	13								
	14								
	15								

Drilling Company: H&P

Drilling Method: Strataprobe

Logged By: K. Green

Sampling Method: Split spoon with acetate sleeve

Date Started: 6/20/05

Date Ended: 6/20/05

Boring Diameter: 2.0"

Total Depth: 5.0 ft.

STANDARD_LOG_01204007_02A.GPJ STD_LOG.GDT 6/24/05

SCS ENGINEERS

BORING LOG

3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806-6816

BORING NUMBER: B22

Page 1 of 1

Long Beach Public Service Yard
1601 San Francisco Ave.
Long Beach, CA

JOB NUMBER: 01204007.02

REMARKS:

Depth		Sample Information					Graphic Log	Description	Completion Detail
meters	feet	Sample Location	Sample Number	Blow Counts	OVM (ppm)	USCS Soil Class.			
0	0							Surface - asphalt	0
	1		B22-1'		4	ML		1' - Gray silt, moist	← Asphalt
	2								
	3								← Bentonite chips
1	4								
	5		B22-5'		35	SM		5' - Gray sand/silt, moist	5
	6								
2	7								
	8								
	9								
3	10								10
	11								
	12								
4	13								
	14								
	15								

Drilling Company: **H&P**

Drilling Method: **Strataprobe**

Logged By: **K. Green**

Sampling Method: **Split spoon with acetate sleeve**

Date Started: **6/20/05**

Date Ended: **6/20/05**

Boring Diameter: **2.0"**

Time Started: **14:35**

Total Depth: **5.0 ft.**

STANDARD_LOG_01204007_02A.GPJ STD_LOG.GDT 6/24/05

3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806-6816

BORING NUMBER: B23

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**Long Beach Public Service Yard
1601 San Francisco Ave.
Long Beach, CA**

JOB NUMBER: 01204007.02

REMARKS:

Depth		Sample Information					Graphic Log	Description	Completion Detail
meters	feet	Sample Location	Sample Number	Blow Counts	OM (ppm)	USCS Soil Class.			
0	0							Surface - asphalt	0
	1		B23-1'			ML		1' - Gray silt, moist, no odor	
	2								
	3								
1	4								
	5		B23-5'			ML		5' - Gray, clayey silt, wet, no odor	5
	6								
2	7								
	8								
	9								
3	10								10
	11								
	12								
4	13								
	14								
	15								

Drilling Company: **H&P**

Drilling Method: **Strataprobe**

Logged By: **K. Green**

Sampling Method: **Split spoon with acetate sleeve**

Date Started: **6/20/05**

Date Ended: **6/20/05**

Boring Diameter: **2.0"**

Total Depth: **5.0 ft.**

3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806-6816

BORING NUMBER: B24

Page 1 of 1

Long Beach Public Service Yard
1601 San Francisco Ave.
Long Beach, CA

JOB NUMBER: 01204007.02

REMARKS:

Depth		Sample Information					Graphic Log	Description	Completion Detail
meters	feet	Sample Location	Sample Number	Blow Counts	OM (ppm)	USCS Soil Class.			
0	0							Surface - concrete	0
	1								
	2								
	3								
1	4								
	5		B24-5'		1.3	ML		5' - Gray-brown, sandy silt, micaceous, medium dense, moist no odor	5
	6								
2	7								
	8								
	9								
3	10		B24-10'		731	SM		10' - Gray sand/silt mix, soft, moist, hydrocarbon odors	10
	11								
	12								
4	13								
	14								
	15								

Drilling Company: **H&P**

Drilling Method: **Strataprobe**

Logged By: **K. Green**

Sampling Method: **Split spoon with acetate sleeve**

Date Started: **6/21/05**

Time Started: **13:45**

Date Ended: **6/21/05**

Time Ended: **14:00**

Boring Diameter: **1.5"**

Total Depth: **10.0 ft.**

3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806-6816

BORING NUMBER: B25

Page 1 of 1

**Long Beach Public Service Yard
1601 San Francisco Ave.
Long Beach, CA**

JOB NUMBER: 01204007.02

REMARKS:

Depth		Sample Information					Graphic Log	Description	Completion Detail
meters	feet	Sample Location	Sample Number	Blow Counts	OVM (ppm)	USCS Soil Class.			
0	0							Surface - concrete	0
	1		B25-1'		NA	SM		1' - Gray-brown, silty sand, medium dense, slightly moist, no odor	
	2								
	3								
1	4								
	5		B25-5'		3.7	SM		5' - Gray sand with angular gravel, silty, medium dense, slightly moist, no odor	5
	6								
	7								
2	8								
	9								
	10		B25-10'		1759	SP		10' - Dark gray, fine sand, micaceous, medium dense, moist, hydrocarbon odor	10
	11								
	12								
	13								
4	14								
	15								

Drilling Company: **H&P**

Drilling Method: **Strataprobe**

Logged By: **K. Green**

Sampling Method: **Split spoon with acetate sleeve**

Date Started: **6/21/05**

Date Ended: **6/21/05**

Boring Diameter: **1.5"**

Time Started: **13:00**

Time Ended: **14:00**

Depth to Water: **13.6 ft.**

Total Depth: **15.0 ft.**

STANDARD_LOG_01204007_02A.GPJ STD_LOG.GDT 8/2/05

3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806-6816

BORING NUMBER: B26

Page 1 of 1

Long Beach Public Service Yard
1601 San Francisco Ave.
Long Beach, CA

JOB NUMBER: 01204007.02

REMARKS:

Depth		Sample Information					Graphic Log	Description	Completion Detail
meters	feet	Sample Location	Sample Number	Blow Counts	OVM (ppm)	USCS Soil Class.			
0	0							Surface - grass	
1	1								
2	2								
3	3								
4	4								
5	5		B26-5'		2.4	ML		5' - Brown silt with roots, medium dense, dry, no odor	
6	6								
7	7								
8	8								
9	9								
10	10		B26-10'		500	SM		10' - Gray sand/silt mix, micaceous, soft, moist, hydrocarbon odor	
11	11								
12	12								
13	13								
14	14								
15	15								

Drilling Company: **H&P**

Drilling Method: **Strataprobe**

Logged By: **K. Green**

Sampling Method: **Split spoon with acetate sleeve**

Date Started: **6/21/05**

Date Ended: **6/21/05**

Boring Diameter: **1.5"**

Time Started: **14:25**

Time Ended: **14:40**

Total Depth: **10.0 ft.**

STANDARD_LOG_01204007_02A.GPJ STD_LOG.GDT 6/24/05

**GROUNDWATER INVESTIGATION REPORT
FORMER LONG BEACH CITY TOW YARD
901 WEST ANAHEIM
(APN 7271-007-902)
LONG BEACH, CALIFORNIA
(LARWQCB NO. 908130498)**

Prepared for:

City Attorney of the City of Long Beach
c/o Overland, Pacific & Cutler, Inc.
100 West Broadway, Suite 500
Long Beach, California 90802
(562) 431-6789

Prepared by:

SCS Engineers
3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806
(562) 426-9544

October 17, 2005

File No. 01204007.02



SCS ENGINEERS

November 8, 2005
Job No. 01204007.02

Mr. Gregg Kwey
Senior Water Resource Control Engineer
Regional Water Quality Control Board
320 West 4th Street, Suite 200
Los Angeles, CA 90013
(213) 576-6702

**SUBJECT: GROUNDWATER INVESTIGATION REPORT, FORMER LONG BEACH
CITY TOW YARD, 901 WEST ANAHEIM (APN 7271-007-902), LONG
BEACH, CALIFORNIA.**

Dear Mr. Kwey:

Please find the above-mentioned report enclosed. The subject property is associated with LARWQCB case number 908130498.

Should you have any questions or comments regarding this report, please feel free to contact Kevin Green at (562) 426-9544.

Sincerely,

Tara Melina Holmes

Tara M. Holmes
Staff Scientist

Kevin W. Green

Kevin W. Green, P.G., R.E.A.
Project Director
SCS ENGINEERS

Enclosures – Groundwater Investigation Report

Cc: Mr. John Cutler
Overland, Pacific & Cutler, Inc.
100 West Broadway, Suite 500
Long Beach, CA 90802
(562) 431-6789

This Groundwater Investigation Report for the former Long Beach City Tow Yard site, dated October 17, 2005, was prepared and reviewed by the following:

Tara M. Holmes

Tara M. Holmes
Staff Scientist

Kevin W. Green

Kevin W. Green, P.G., R.E.A.
Project Director
SCS ENGINEERS



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Tables

- 1 Summary of Groundwater Elevation Data
- 2 Summary of Soil Analytical Results for Volatile Organic Compounds (VOCs) and Gasoline and Diesel Range Organics
- 3 Summary of Groundwater Analytical Results for VOCs and Gasoline and Diesel Range Organics



Appendices

- A Long Beach Health Department Well Permit
- B Boring Logs
- C Monitoring Well Survey Data
- D Well Construction Detail
- E Groundwater Sampling Records
- F Advanced Technology Laboratories Analytical Reports
- G American Environmental Testing Laboratory, Inc. Analytical Report

LIMITATIONS/DISCLAIMER

This report has been prepared specifically for Overland, Pacific & Cutler, Inc., on behalf of the City Attorney of the City of Long Beach, with application to assessing potential soil and groundwater impacts in the vicinity of a former underground storage tank located at the former Long Beach City Tow Yard, 901 West Anaheim, Long Beach, California. This report has been prepared in accordance with the care and skill generally exercised by reputable professionals, under similar circumstances, in this or similar localities. No other warranty, expressed or implied, is made as to the professional opinions presented herein. No other party, known or unknown to SCS is intended as a beneficiary of this work product, its content or information embedded therein. Third parties use this report at their own risk.

Changes in site use and conditions may occur due to variations in rainfall, temperature, water usage, economic, or other factors. It is possible that additional information exists beyond the scope of this investigation. Additional information that was not available to the consultant at the time of this investigation or changes that may occur on the site or in the surrounding area may result in modification to the site that would impact the summary and recommendations presented herein. This report is not a legal opinion.



**GROUNDWATER INVESTIGATION REPORT
FORMER LONG BEACH CITY TOW YARD
901 WEST ANAHEIM
(APN 7271-007-902)
LONG BEACH, CALIFORNIA
(LARWQCB NO. 908130498)**

INTRODUCTION

SCS Engineers (SCS) was retained by Overland, Pacific & Cutler, Inc., on behalf of the City Attorney of the City of Long Beach, to conduct soil and groundwater investigation activities in the vicinity of a former underground storage tank (UST) located within the former 14th Street right-of-way immediately north of the former Long Beach City Tow Yard at 901 West Anaheim in Long Beach, California (the "Property"). A map showing the project site location is provided as Figure 1; a map of the project site showing the location of the former UST is provided as Figure 2. Petroleum hydrocarbon-impacted soils were identified in this area during previous investigations.

This current investigation was conducted in accordance with a workplan prepared by The Reynolds Group (TRG), which was approved by the Los Angeles Regional Quality Control Board (RWQCB) in a letter dated February 19, 2002.

BACKGROUND

A *Workplan to Advance Geoprobes and Install Groundwater Monitoring Wells* prepared by TRG, dated November 15, 2001 and submitted to the Los Angeles Regional Water Quality Control Board (RWQCB), was reviewed by SCS as a part of an environmental assessment for this city of Long Beach. The workplan indicated that a 550-gallon underground storage tank (UST) that reportedly contained gasoline, and associated piping were removed from the Property on August 30, 1995. According to TRG, an *Underground Storage Tank Closure Report*, dated November 2, 1995, prepared by Maness Environmental Service, Inc., indicated that two soil samples were collected during the tank removal: one from below the UST excavation and one from a stockpile. Based on data tabulated in the TRG report, laboratory analytical results indicated that gasoline-range organics at a concentration of 7,500 mg/kg (mg/kg or parts per million [ppm]) were detected in soils beneath the UST. Groundwater was reportedly encountered at 8 to 10 feet below ground surface (bgs) during the tank excavation.

According to the TRG workplan a *Final Site Characterization Report for the Phase II Environmental Assessment of Gasoline-Impacted Soils by Epics International* was prepared by Epics International and indicated that six soil borings (B1-B6; labeled as TRGB1 Through TRGB6 on maps and tables [Figures 2]) were advanced to depths ranging from five to thirteen feet bgs in the area surrounding the former UST. Reportedly, thirteen soil samples (two from each boring - one shallow and one deep - plus a third from B2), and five groundwater samples (from

the ten-foot depth of each boring except for B4), were collected and analyzed. Three additional soil samples were collected: One from each of the north and south sidewalls of the excavation at a depth of six feet bgs, and one from under the center of the excavation at a depth of 10 feet bgs.

Laboratory analyses from the Epics International investigation reportedly detected gasoline-range organics (TPH-g, C₄-C₁₂) and diesel-range organics (TPH-d, C₁₃-C₂₂) in soil (concentrations up to 5,500 mg/kg for TPH-g, and 530 mg/kg for TPH-d) and groundwater (concentrations up to 3,400 milligrams per liter [mg/L] for TPH-g, and 600 mg/L for TPH-d). As reported in the TRG workplan, benzene, toluene, ethyl benzene, and xylenes (BTEX) were also detected in soils at concentrations up to 27, 48, 110, and 540 mg/kg, respectively. Additionally, BTEX was detected in groundwater with concentrations up to 18, 42.4, 108, and 703 mg/L, respectively. The highest concentrations of TPH-g, TPH-d and BTEX in soils were found at the B5 location. The highest concentrations of TPH-g, TPH-d, ethyl benzene, and xylenes in groundwater were found at the B1 location; and the highest concentrations of benzene and toluene in groundwater were detected at the B5 location.

TOPOGRAPHIC, GEOLOGIC, AND HYDROLOGIC INFORMATION

Physiographic Setting

According to the U.S. Geological Survey (USGS), Long Beach (1964, photorevised 1981), California 7.5 minute topographic map, the Property is located immediately east of the Los Angeles River at an elevation of approximately five feet above mean sea level, about 1.3 miles north of San Pedro Bay. Regional topography is relatively flat with a gentle slope to the west.

Geology and Soils

Geologic maps indicate that surface sediments in the area are Quaternary alluvium and coastal deposits of silt, sand, and gravel that are underlain by the late Pleistocene Lakewood Formation. The Lakewood Formation, which consists of gravel, sand, sandy silt, silt and clay with shale pebbles, extends to a depth of approximately 100 feet (California DWR, Bulletin No.104). Sediments below the Lakewood Formation belong to the late Pleistocene San Pedro Formation.

Groundwater

The Property is located in the southern portion of the West Coast Groundwater Basin. The first regional groundwater aquifer is the Gaspar, which immediately overlies the Lakewood Formation. First groundwater in the vicinity of the Property is approximately 10 feet below grade (DWR, June 1961). There are no known regional groundwater contamination problems in this area. However, shallow groundwater has locally been impacted by saltwater intrusion; therefore, it is not used as a drinking water source. Groundwater flow direction is anticipated to be generally westerly towards the Los Angeles River/Flood Control Channel adjacent to the Property. Shallow groundwater beneath the Property may be tidally influenced by the river in this area.



SITE INVESTIGATION

Soil and Groundwater investigation activities were conducted in accordance with TRG's *Workplan to Advance Geoprobes and Install Groundwater Monitoring Wells* approved by the RWQCB in a letter dated February 19, 2002. Prior to conducting investigation activities, a permit (Permit No. 1128) was issued to SCS by the City of Long Beach Department of Health and Human Services (LBDHHS). A copy of the permit is included in Appendix A.

Geophysical Survey

Prior to any subsurface sampling by SCS on June 13, 2005, Goldak of Glendale, California, conducted a geophysical survey of the former UST area; Goldak screened the boring locations using equipment capable of detecting metallic objects, magnetic anomalies, electric power cables, and other underground obstructions. No anomalies were detected at any proposed boring locations.

Soil Sample Collection and Analysis

On June 21, 2005, six borings (SCSB7 through SCSB12) were advanced to a depth of 14 feet bgs using a truck-mounted direct-push rig operated by H&P Mobile Geochemistry (H&P). As shown in Figure 2, the SCS borings were positioned in a circular fashion approximately 15 to 20 feet away from borings TRGB1 through TRGB6, in the direction leading away from the former UST.

Twelve soil samples were collected (one from the 5-foot depth and one from the 10-foot depth at each boring location) and analyzed for TPH-g using EPA Method 8015 Modified and for VOCs and oxygenates using EPA Method 5035/8260B. The samples were submitted to state-certified ATL laboratory for analysis.

Sediments encountered during drilling generally consisted of gray, greenish-gray, or brown silt, sand, and clay, or mixtures thereof. Groundwater was encountered at approximately 12 feet bgs. Obvious signs of hydrocarbon contamination (odors and discolored soils) were observed in each of the six borings. Boring logs are provided in Appendix B.

Groundwater Grab-Sample Collection and Analysis

Six groundwater grab-samples were also collected on June 21, 2005 (one from each boring location). Groundwater grab-samples were collected by H&P under SCS oversight using a stainless steel bailer. Samples were analyzed by ATL for TPH-g using EPA Method 8015M, and for VOCs and oxygenates using EPA Method 8260B.

Monitoring Well Installation, Development and Monitoring

On July 27, 2005, three groundwater monitoring wells were installed on the Property in the area of the former UST by Layne Christensen Company (Layne) of Fontana, California, under SCS



oversight. The wells were extended to a depth of 20 feet bgs and were designated MW1 through MW3 (Figure 2). During the installation, three soil samples were collected from each well location: one at 5 feet bgs, one at 9 feet bgs (approximately two feet above the water table), and one from 13 feet bgs (approximately two feet below the water table).

On July 28, 2005 the wells were developed by Layne under the oversight of SCS.

On August 10, 2005, the wells were surveyed by Dulin and Boynton Licensed Surveyors, Inc., of Signal Hill, California. Survey information is included in Appendix C.

Samples of groundwater were collected from MW1-MW3 on August 10, 2005. Samples were analyzed for TPH-g, TPH-d, and heavy-range hydrocarbons using EPA Method 8015M, and for VOCs including BTEX, methyl tertiary-butyl ether (MTBE), diisopropyl ether (DIPE), ethyl tertiary butyl ether (ETBE), and tertiary amyl methyl ether (TAME) using EPA Method 8260B.

As shown in Figure 10, the groundwater data indicates that in the area of the former UST, groundwater flow was toward the southeast. The groundwater gradient on August 10, 2005 was approximately 0.007 feet per foot of horizontal distance. Groundwater elevation data are summarized in Table 1.

Materials and Methods

Soil Sampling

Soil samples collected from borings SCSB7 through SCSB12 were obtained using a Strataprobe direct-push rig equipped with a hydraulic hammer and a two-foot long, 2-inch diameter split-spoon sampler. A pointed steel tip was fixed to the head of the split-spoon sampler and driven to the desired depth on a steel rod. Samples were collected by retracting the drive tip through the center of the sample with an inner rod, and hydraulically hammering the sampler an additional two feet. Samples from each boring were recovered in two-foot long, pre-cleaned plastic acetate sleeves. An approximately 6- to 12-inch section was cut from the sample sleeve and retained for laboratory analysis. Immediately following soil sample collection, both ends of each acetate sample sleeve were covered with Teflon squares, capped with plastic end caps, and sealed with solvent-free polyethylene tape.

Soil samples collected during the installation of groundwater monitoring wells were obtained using a CME-75 hollow-stem auger drill rig. Soil samples were collected from prescribed depths using an 18-inch long, 1.25-inch diameter split-spoon sampler on the end of a steel rod which was driven approximately 18-inches through the open center of the hollow-stem augers. The bottom-most intact sleeve was quickly retained for subsequent laboratory analysis. Following sample collection both ends of the sample sleeve were covered with a Teflon square and capped with plastic end caps then secured with non-volatile tape. Standard three stage decontamination procedures were used for all sampling equipment, including sample sleeves and samplers, between each sampling depth.



A solvent-free label noting the date of collection, sample number, and project number was affixed to each soil sample. Immediately following labeling, samples were placed in a chilled cooler for later transport to Advanced Technology Laboratories (ATL) of Signal Hill, California for analysis.

Soil samples designated for analysis of VOCs (by EPA Method 8260) were prepared in the field using EPA Method 5035, which includes the collection of three 5-gram aliquots of soil from each soil sample using a plunger/sub-sampler provided by the laboratory. The three aliquots of soil were immediately placed into 40 milliliter volatile organic analysis (VOA) vials as follows: two aliquots in VOAs with a sodium bisulfate preservative, and one in a methanol preservative.

Additional soil was collected for field observation by an SCS geologist. Soil samples used for lithologic descriptions were obtained from sample sleeves immediately adjacent to the samples collected for laboratory analysis; these samples were placed in Ziplock baggies. Additionally, each of the samples was analyzed in the field using a Photo-Ionization Detector (PID), which detects organic vapors emitted into the headspace of the Ziplock bags.

Following sample collection, borings were backfilled with bentonite chips and capped with asphalt.

Groundwater Grab-Sampling

For groundwater grab-samples collected from borings SCSB7 through SCSB12, a temporary 1-inch diameter PVC well casing was installed into each open borehole. A pre-cleaned steel bailer was used to collect samples for VOC analysis. To minimize the potential loss of VOCs, the water was slowly and carefully poured from the bailer into 40-milliliter glass VOA vials with hydrochloric acid preservative. The VOAs were quickly capped and checked to ensure that no air bubbles were present. Upon collecting each sample, a sample label was affixed to each sample container denoting sample location, date, and time, and placed into a chilled cooler for transport to ATL for analysis.

Well Installation and Groundwater Sampling of MW1, MW2, and MW3

Each of the three wells was installed to a depth of 20 feet. The wells were constructed using 4-inch diameter schedule 40 PVC, which was set within a 12-inch borhole. The PVC in the perforated zone of the well was factory slotted (0.010 inches) and extended from five feet bgs to 20 feet bgs. Filter pack (#2/16 sand) was placed around the PVC from 4 feet bgs to 20 feet bgs. A sanitary seal of hydrated medium sized bentonite chips were placed around the PVC from the surface of the well to the top of the sand. Each well was completed at the surface with a one-foot diameter steel, traffic-rated well box with a bolted lid to prevent incidental damages or liability. A well construction detail is provided in Appendix D.

For well development, each of the wells was surged for approximately 20 minutes then bailed continuously until dry; as recharge in the area is slow. The process was repeated a second time for each well.

On the day of monitoring, prior to purging for sample collection, static water levels for the wells were measured to the nearest 0.01-foot from a reference point on each well casing using a Roctest electronic water level indicator.

Wells were purged and sampled using a QED Micropurge low-volume pump at a rate of approximately 250 milliliters per minute until field parameters stabilized. During purging, temperature, conductivity, pH, and dissolved oxygen were measured using a QED flow through cell, and turbidity using a Horiba handheld field meter. Field sampling data sheets documenting field parameter measurements, groundwater purge volumes, and field comments are provided in Appendix E.

Groundwater samples were collected in 40 ml glass vials using standard sampling protocols to minimize turbulence and avoid air bubbles. Samples were labeled, and placed in a chilled ice chest and transported to American Environmental Testing Laboratory, Inc. (AETL), located in Burbank, California. In accordance with the approved workplan, groundwater samples were analyzed for total petroleum hydrocarbons using EPA Method 8015, and BTEX and fuel oxygenates using EPA Method 8260B.

Prior to any purging and between wells, the pump was thoroughly cleaned with a Liquinox solution, tap water rinsed, and finally rinsed with distilled water. A new discharge hose was dedicated to this sampling episode. All water removed from wells during sampling and development was stored on-site in sealed, labeled 55-gallon drums for later disposal.

ATL and AETL are certified by the California Department of Health Services to conduct the specified analyses. All soil and groundwater samples were tracked from the point of collection through the laboratory using standard chain-of-custody protocol.

ANALYTICAL RESULTS

Copies of the ATL and AETL laboratory reports, including quality assurance/quality control and chain-of-custody documentation, are provided in Appendices F and G, respectively. Analytical results are summarized in Tables 2 and 3.

Soil

As shown in Table 2, TPH-g was detected in eight of the 21 soil samples collected by SCS at concentrations ranging from 77 mg/kg (SCSB11) to 1,500 mg/kg (SCSB8). Figures 4 and 5 show contours for TPH-g in soil, based on the analytical results for the five-foot and ten-foot depths, respectively.



Twelve of the 21 soil samples collected had detectable concentrations of VOCs. The compound names and concentrations detected are provided in Table 2. As shown, the highest concentrations were found in the SCSB8 boring. Figures 6 and 7 show contours for benzene in soil, based on the analytical results for the five-foot and ten-foot depths, respectively.

Groundwater Grab-Samples

As shown in Table 3, low concentrations of TPH-g were detected in two of the six groundwater grab-samples collected from SCSB7-SCSB12. The concentrations of TPH-g were 6.8 and 1.1 mg/L for SCSB7 and SCSB8, respectively. Figure 8 shows contours for TPH-g in grab-samples, based on the analytical results.

Groundwater grab-samples from four of the six borings also contained detectable concentrations of VOCs, details of which are provided in Table 3. Figure 9 shows contours for benzene in grab-samples, based on the analytical results.

Groundwater Sampling of MW1, MW2, and MW3

Low concentrations of TPH-g, 0.189 and 0.024 mg/L, were detected in groundwater samples collected from monitoring wells MW1 and MW3, respectively. A map showing the well locations and TPH-g concentrations is provided as Figure 11.

Ethylbenzene and xylenes were also detected at very low concentrations in the groundwater sample from MW1, at 1.2 and 4.8 µg/L, respectively. Additionally, fuel oxygenates MTBE and TBA were detected in the groundwater sample from MW3, at 3.9 and 38.8 µg/L, respectively (Table 3).

TPH-d and heavy-range hydrocarbons were not detected in any of the groundwater samples collected from the monitoring wells.

RWQCB SOIL SCREENING LEVELS

The Los Angeles Regional Water Quality Control Board (RWQCB) has established cleanup guidelines, also known as soil screening levels (SSLs), for hydrocarbon-impacted soils based on the potential for groundwater contamination (RWQCB, 1996). Where impacted soils are anticipated less than 20 feet above groundwater (groundwater is at approximately 10 feet bgs at the Property), the SSLs for petroleum hydrocarbons are:

- TPH-g or gasoline-range hydrocarbons (C₄-C₁₂) – 100 mg/kg
- TPH-d or diesel-range hydrocarbons (C₁₃-C₂₂) – 100 mg/kg
- Oil or heavy-range hydrocarbons (C₂₃-C₄₀) – 1,000 mg/kg.

The RWQCB also provides SSLs for fuel-related aromatic compounds (BTEX - benzene, toluene, ethylbenzene, and xylenes) in soils. Since impacted soils are in contact with



groundwater, the lowest SSLs would be applicable. The SSLs for BTEX constituents in soil at the Property would be as follows:

- Benzene – 0.011 mg/kg
- Toluene – 0.15 mg/kg
- Ethylbenzene – 0.7 mg/kg
- Total xylenes – 1.75 mg/kg.

These SSLs are provided in Table 2, along the summary of analytical results for soils. These values should be used as generally guidelines only. Since groundwater has been impacted at the Property, alternative cleanup levels for soils may be required by, or acceptable to, the RWQCB.

PRELIMINARY REMEDIATION GOALS

Human health risks from petroleum hydrocarbon-impacted soils in California are often evaluated using either of two methods:

- A comparison with US EPA Region 9 Preliminary Remediation Goals (PRGs)
- Completion of a site-specific Health Risk Assessment (HRA).

The PRGs are risk-based values used for evaluating contaminant concentrations under various exposure scenarios (i.e., residential and industrial). PRGs are calculated using EPA toxicity values and “standard” exposure factors to estimate contaminant concentrations in environmental media (soil, air and water) that are considered protective of humans over a lifetime. The PRGs are chemical concentrations that correspond to a fixed level of risk (i.e., either one-in-one million cancer risk, or a noncarcinogenic hazard quotient of 1). As stated in US EPA guidance, PRGs are not intended to be a stand-alone decision making tool. PRGs have been developed for a select list of common specific chemical contaminants; there are no PRGs for classes of chemicals or products such as gasoline, or “TPH.”

Given the caveats listed above, PRGs are useful in screening the relative human health risks associated with specific chemicals identified at contaminated sites. PRGs for the fuel-related VOCs detected during this investigation are provided in Table 2.

CONCLUSIONS

Based on the results of this and previous investigations, SCS concludes the following:

- Soils in the area of the former UST have been impacted with TPH-g, benzene and other VOCs at concentrations above generally accepted regulatory guidelines (i.e., the SSLs and PRGs). Based on our experience with similar sites, remediation of soils will be required by the RWQCB.



- A comparison of Figures 4 and 5 and Figures 6 and 7 shows that the lateral extent of TPH-g and benzene impacts to soil are greater at 10 feet bgs than at 5 feet bgs. This is likely due to the lateral spreading or "pan caking" of TPH-g above groundwater, which was first encountered at approximately 10 feet bgs during drilling.
- The results of groundwater "grab" samples (collected during the "soils" investigation), as shown in Figures 8 and 9, show potential impacts to groundwater. However, groundwater samples recovered from the monitoring wells show much lower concentrations of fuel-related constituents. These data indicate the "grab" samples have overestimated the extent of impacts to groundwater. Continued groundwater monitoring to confirm the initial results is recommended.
- The results of samples collected from monitoring wells indicate only minor impacts to groundwater, that is, less than 0.189 mg/L of TPH-g and traces of ethylbenzene (1.2 ug/L), xylenes (4.8 ug/L), methyl tert butyl ether (MTBE, 3.9 ug/L) and tert butyl alcohol (38.8 ug/L). As shown in Table 3, none of the monitoring well samples contained fuel-related constituents above the maximum contaminant levels (MCLs) for drinking water.

RECOMMENDATIONS

Based on the results of this investigation, SCS recommends:

- Continued groundwater monitoring to establish a baseline of data that can be used to justify closure or "no further action" by the Los Angeles Regional Water Quality Control Board.
- The existing impacts to soil do not appear to have resulted in any significant impact to groundwater. Therefore, any remediation of soils should be conducted in conjunction with proposed future developments, in order that the soil remediation goals are consistent with future use.

REFERENCES

- The Reynolds Group. *Workplan to Advance Geoprobes and Install Groundwater Monitoring Wells*, November 15, 2001.
- Los Angeles Regional Water Quality Control Board. *Interim Site Assessment and Cleanup Guidebook*. May 1996.
- Los Angeles Regional Water Quality Control Board. *Underground Storage Tank Program-Soil And Groundwater Assessment Long Beach City Tow Yard 901 West Anaheim Street, Long Beach (Case #908130498)*, February 19, 2002.
- California Department of Water Resources. *Planned Utilization of the Ground Water Basins of the Coastal Plain of Los Angeles County*. Bulletin No. 104. 1961; reprinted April 1988
- United States Geological Survey, *Long Beach, CA 7.5 Minute Topographic Series Map* (1964, Photorevised 1981).

FIGURES



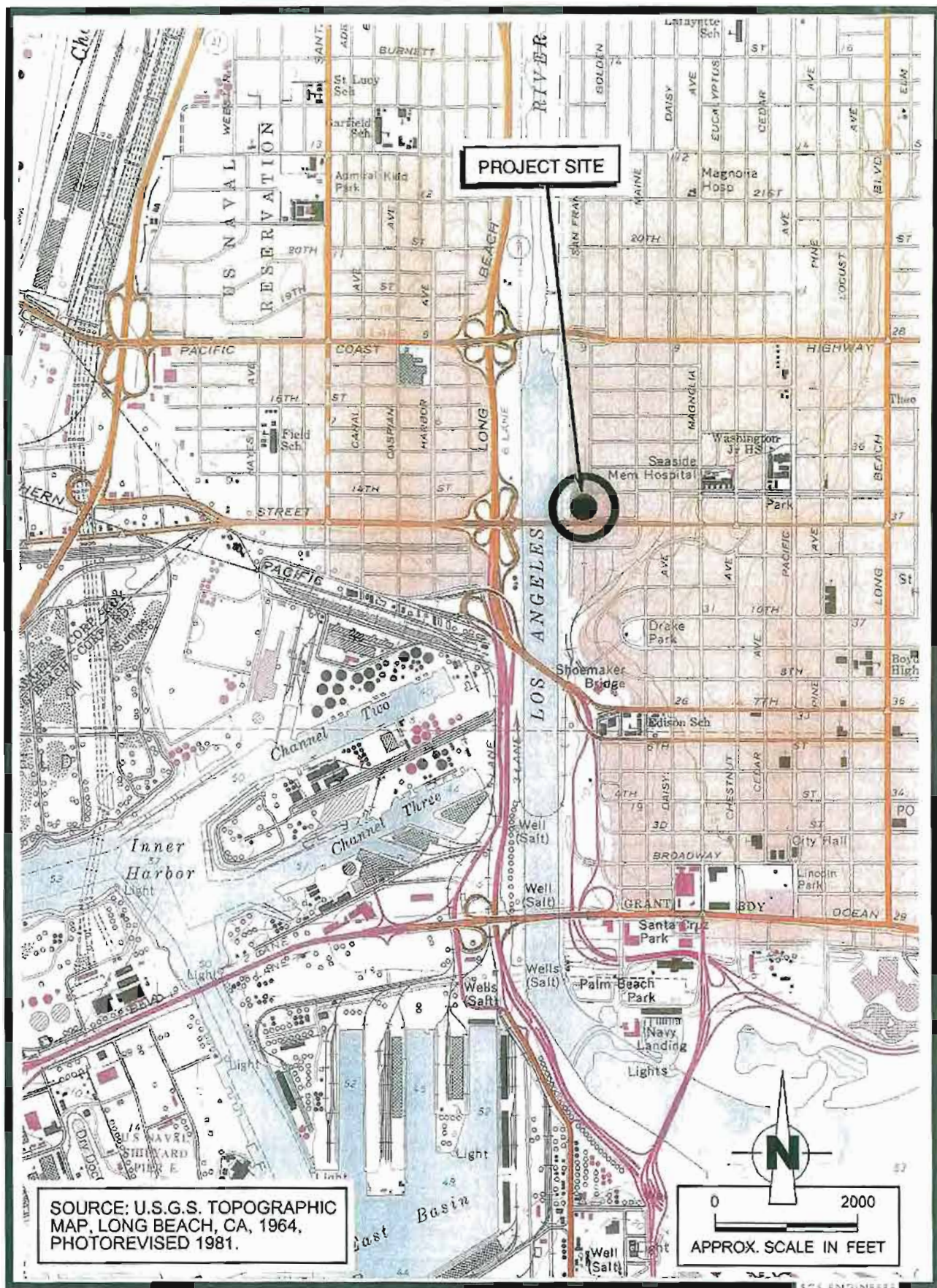


Figure 1. Project Site Location, Former Long Beach City Tow Yard, 901 W. Anaheim, Long Beach, CA

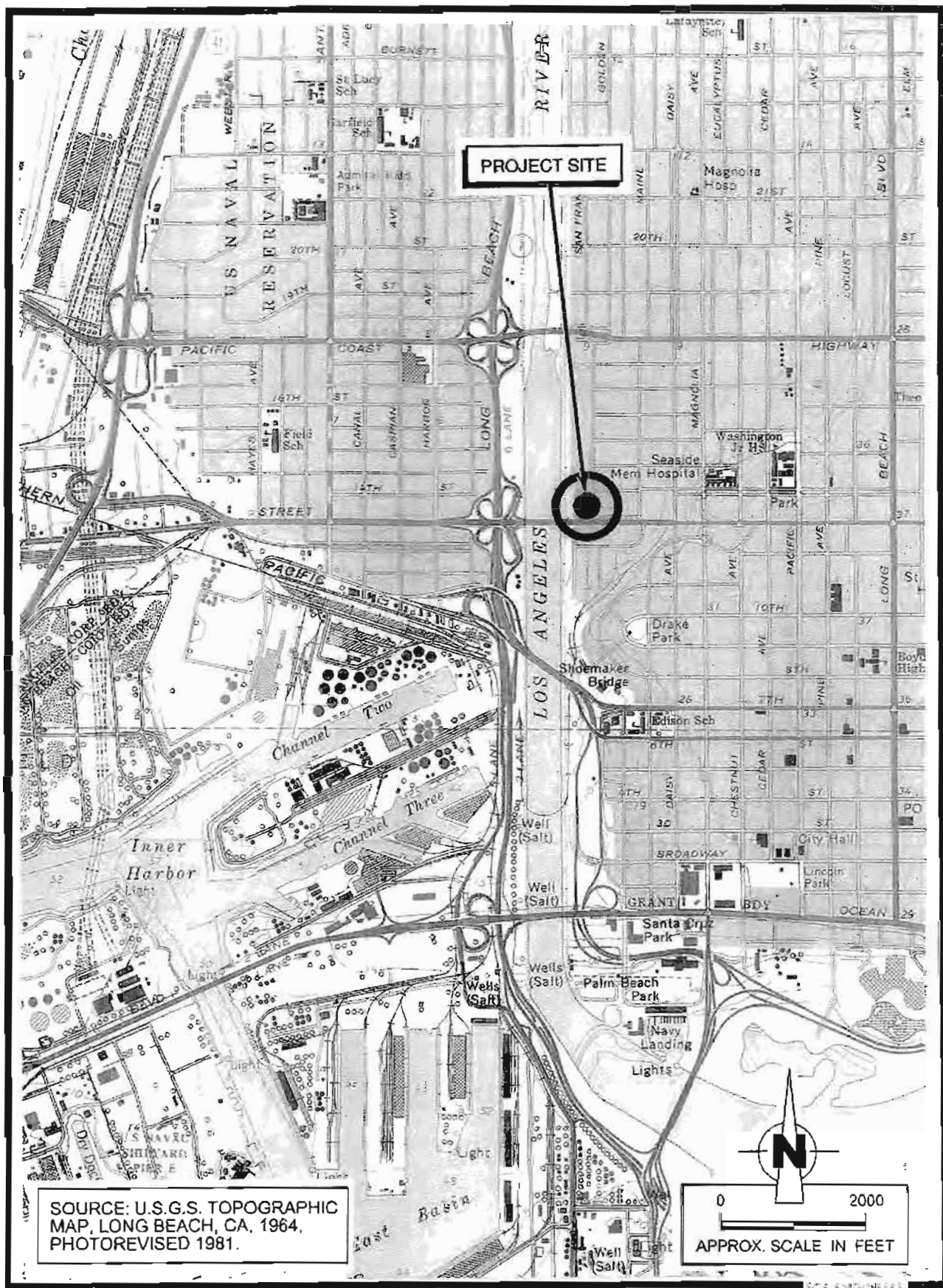


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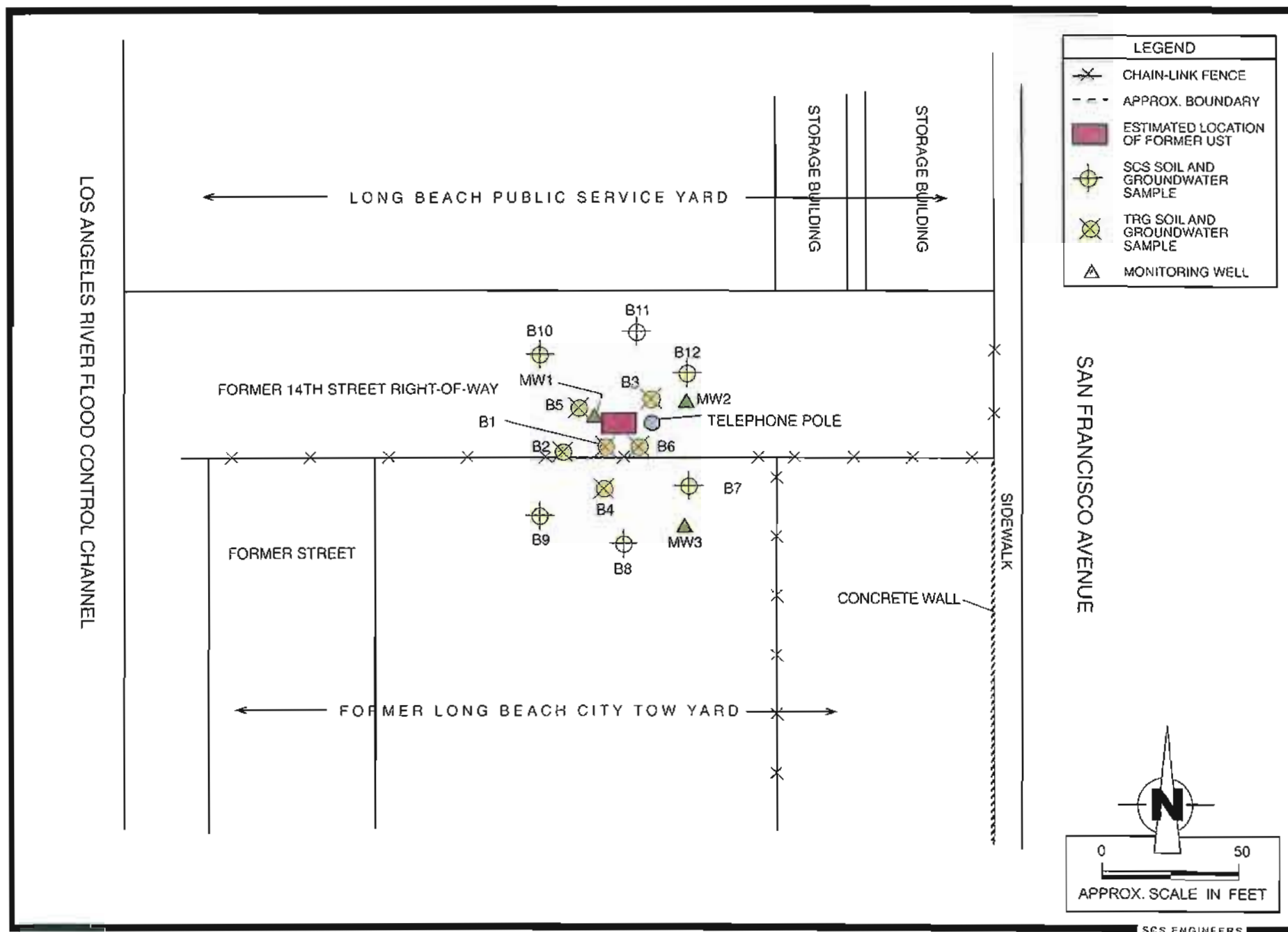


Figure 2. Sketch Map Showing Former UST, Boring and Well Locations, Former Long Beach City Tow Yard, 901 W. Anaheim, Long Beach, CA.

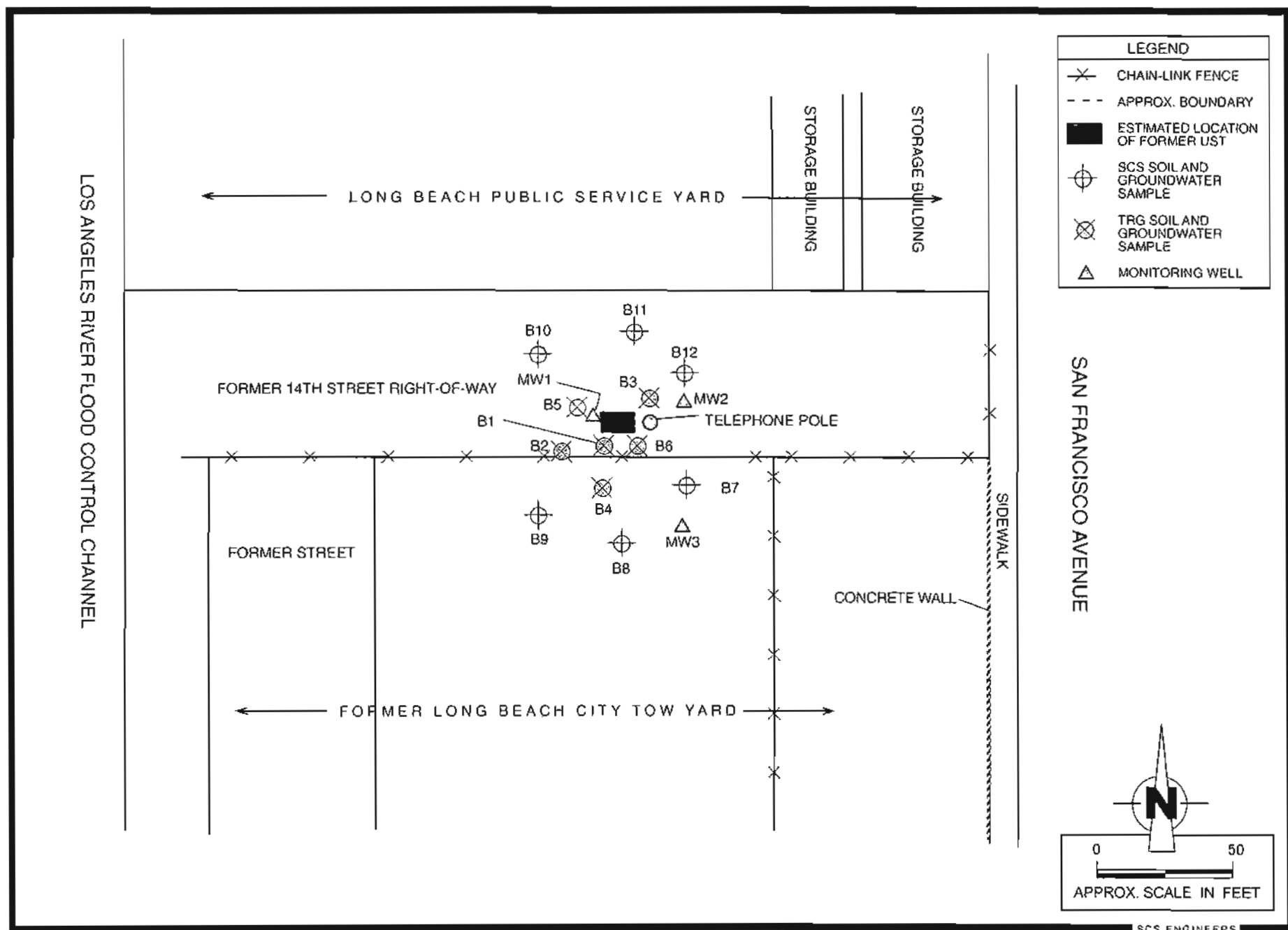


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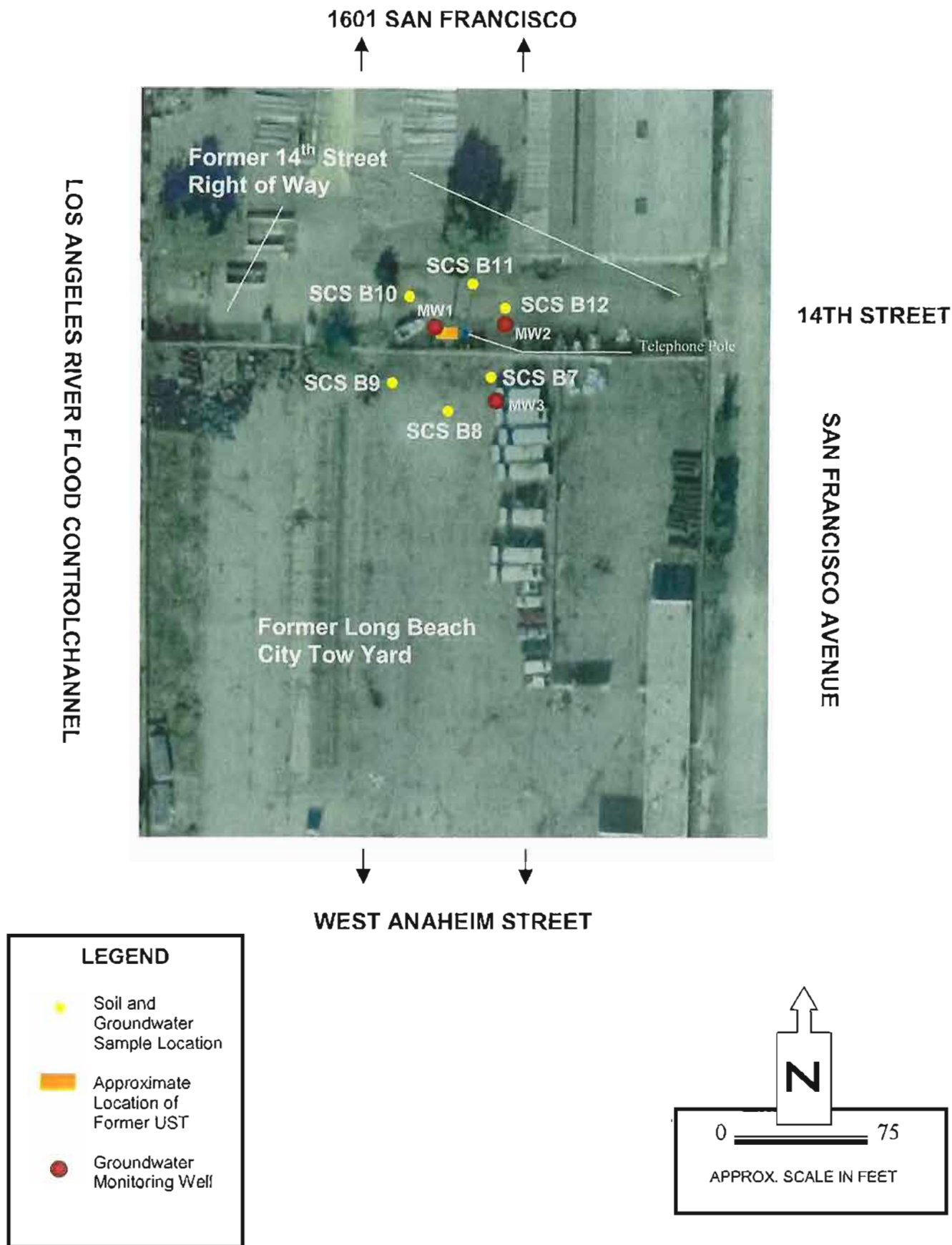


Figure 3. Aerial Photograph Showing Approximate Locations of Former UST, SCS Borings, and Monitoring Wells. Former Long Beach City Tow Yard, 901 W. Anaheim, Long Beach, CA

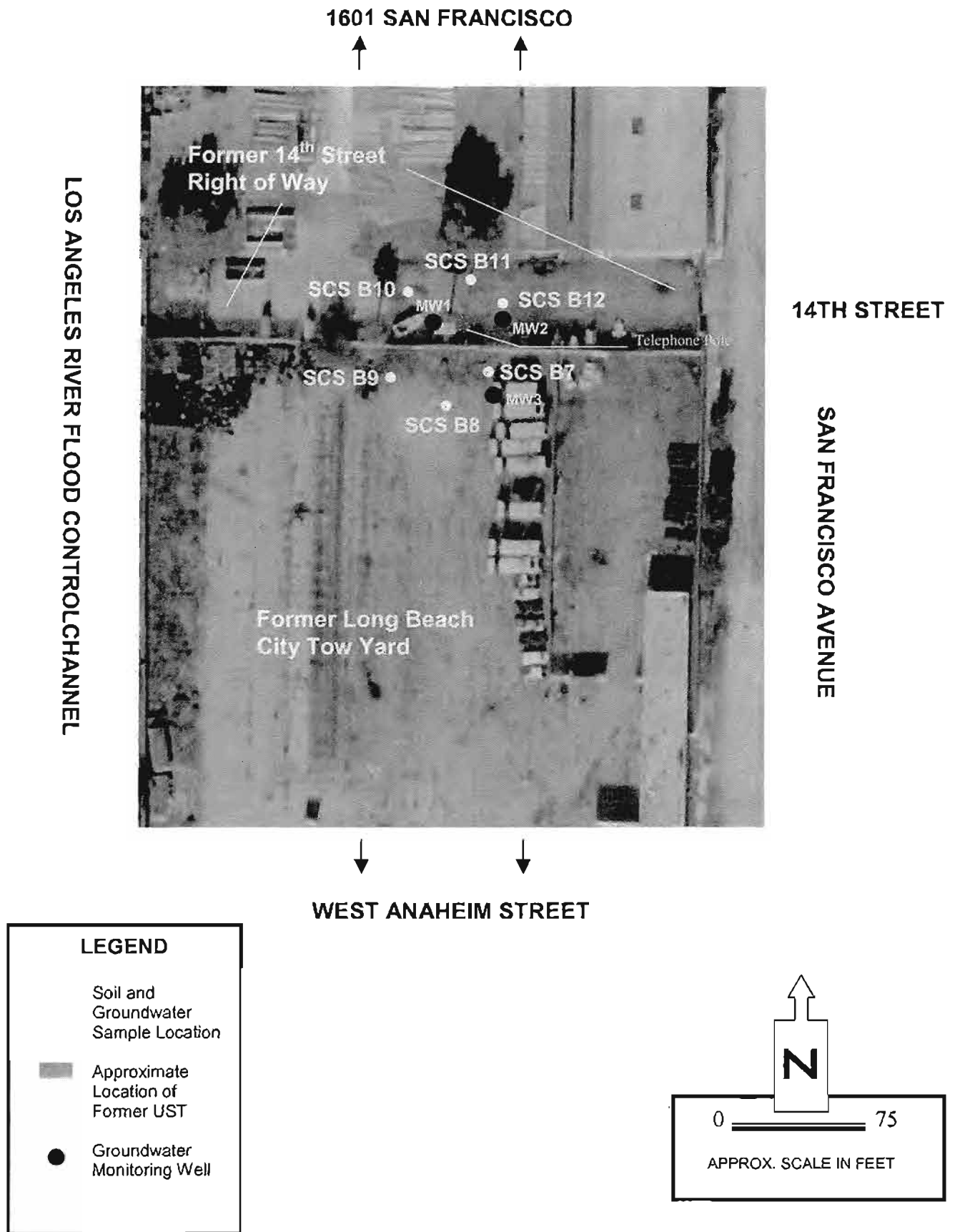


Figure 3. Aerial Photograph Showing Approximate Locations of Former UST, SCS Borings, and Monitoring Wells. Former Long Beach City Tow Yard, 901 W. Anaheim, Long Beach, CA

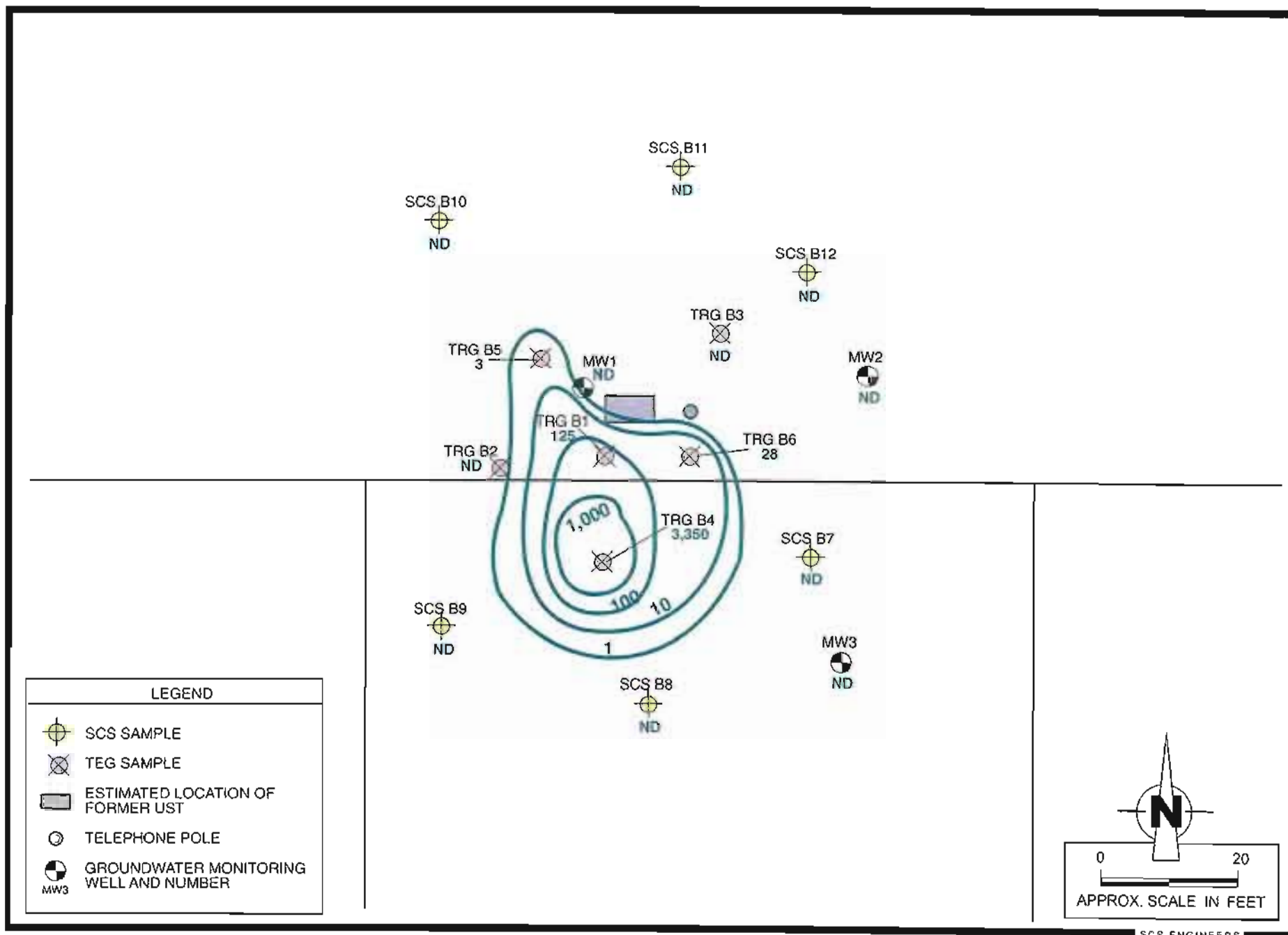


Figure 4. TPH-g Isoconcentration Map for Soils at a Depth of 5 Ft. BGS (mg/kg), Former Long Beach City Tow Yard, 901 W. Anaheim, Long Beach, CA.

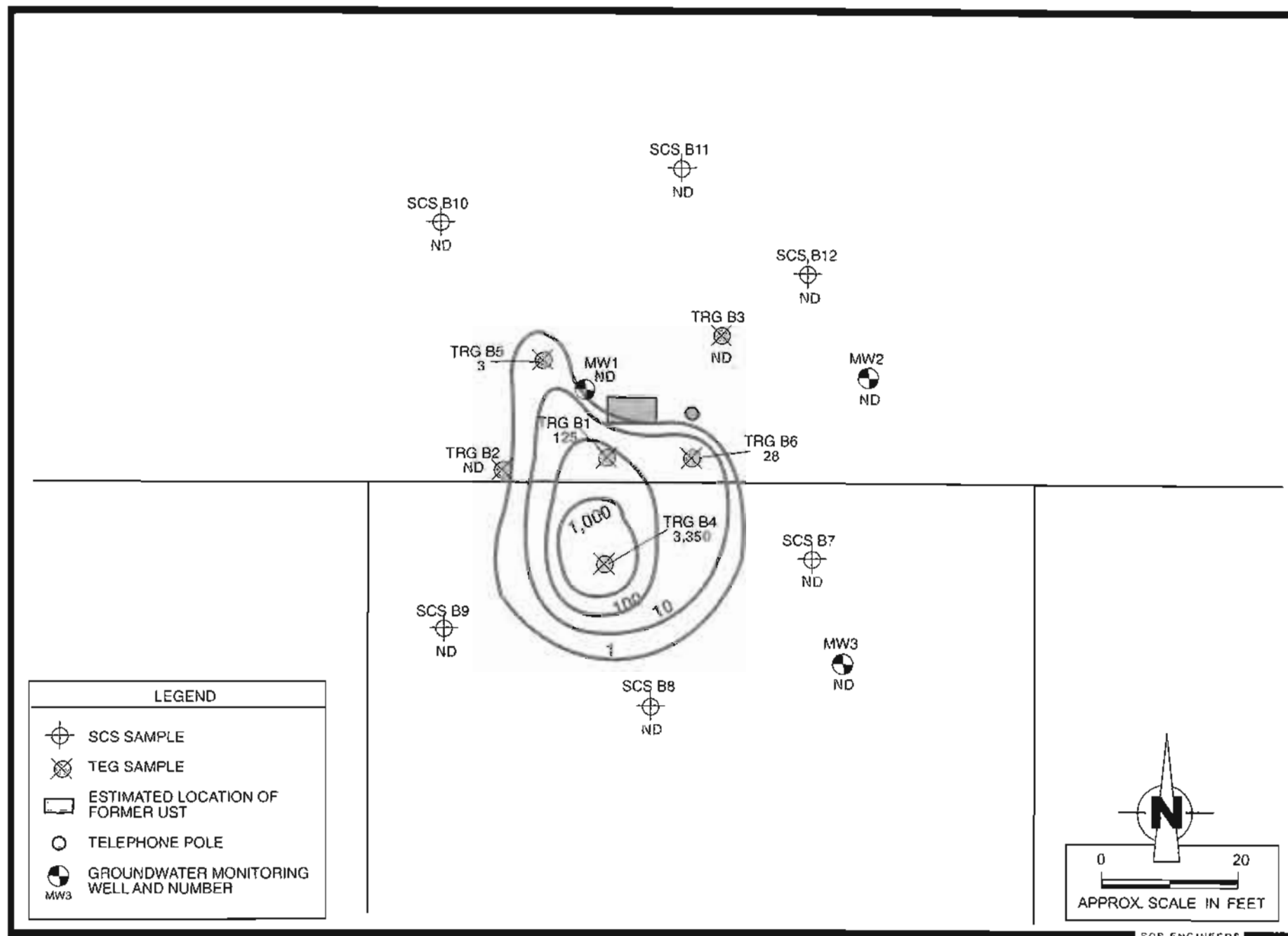


Figure 4. TPH-g Isoconcentration Map for Soils at a Depth of 5 Ft. BGS (mg/kg), Former Long Beach City Tow Yard, 901 W. Anaheim, Long Beach, CA.

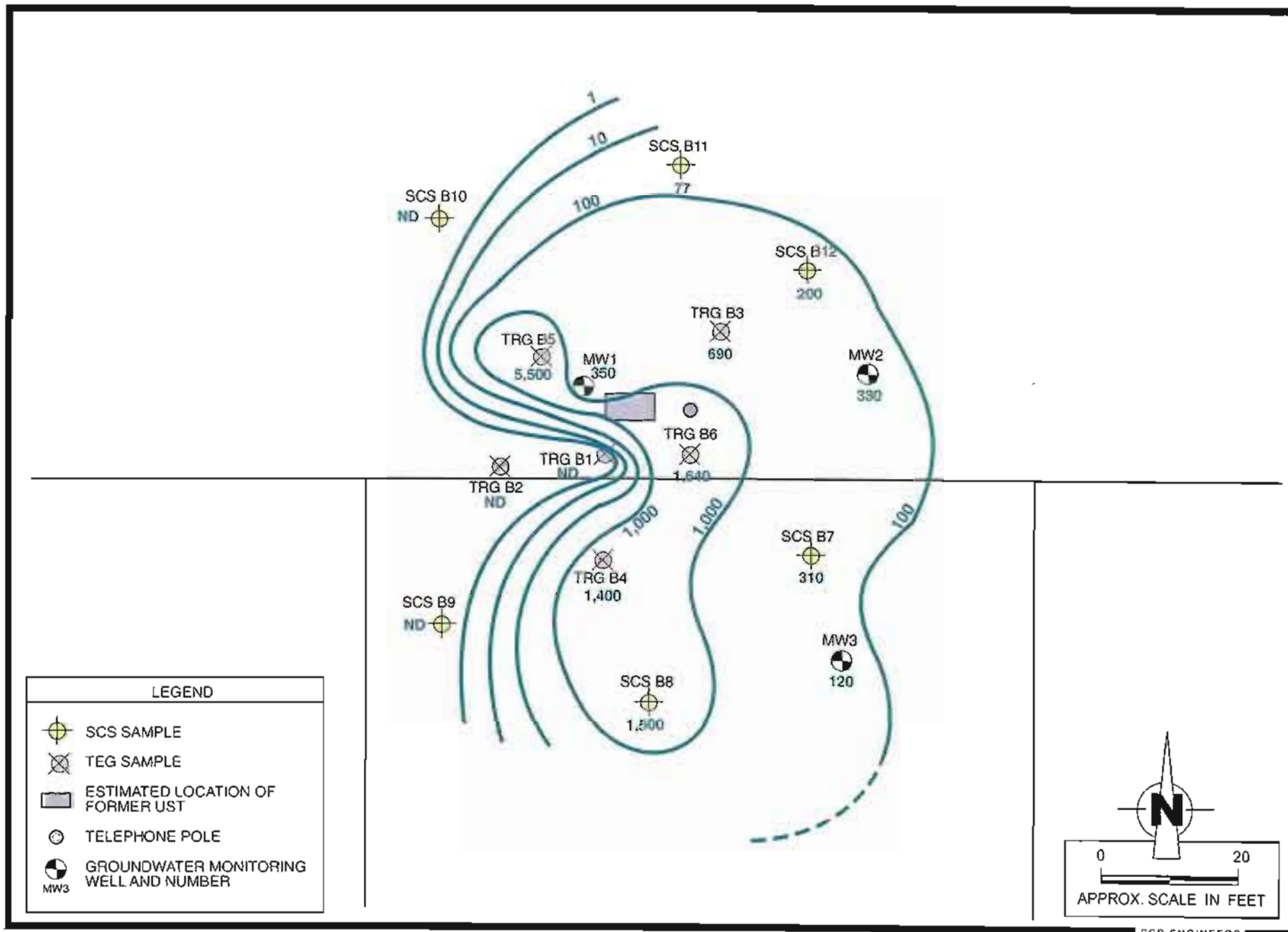


Figure 5. TPH-g Isoconcentration Map for Soils at a Depth of 10 Ft. BGS (mg/kg), Former Long Beach City Tow Yard, 901 W. Anaheim, Long Beach, CA.

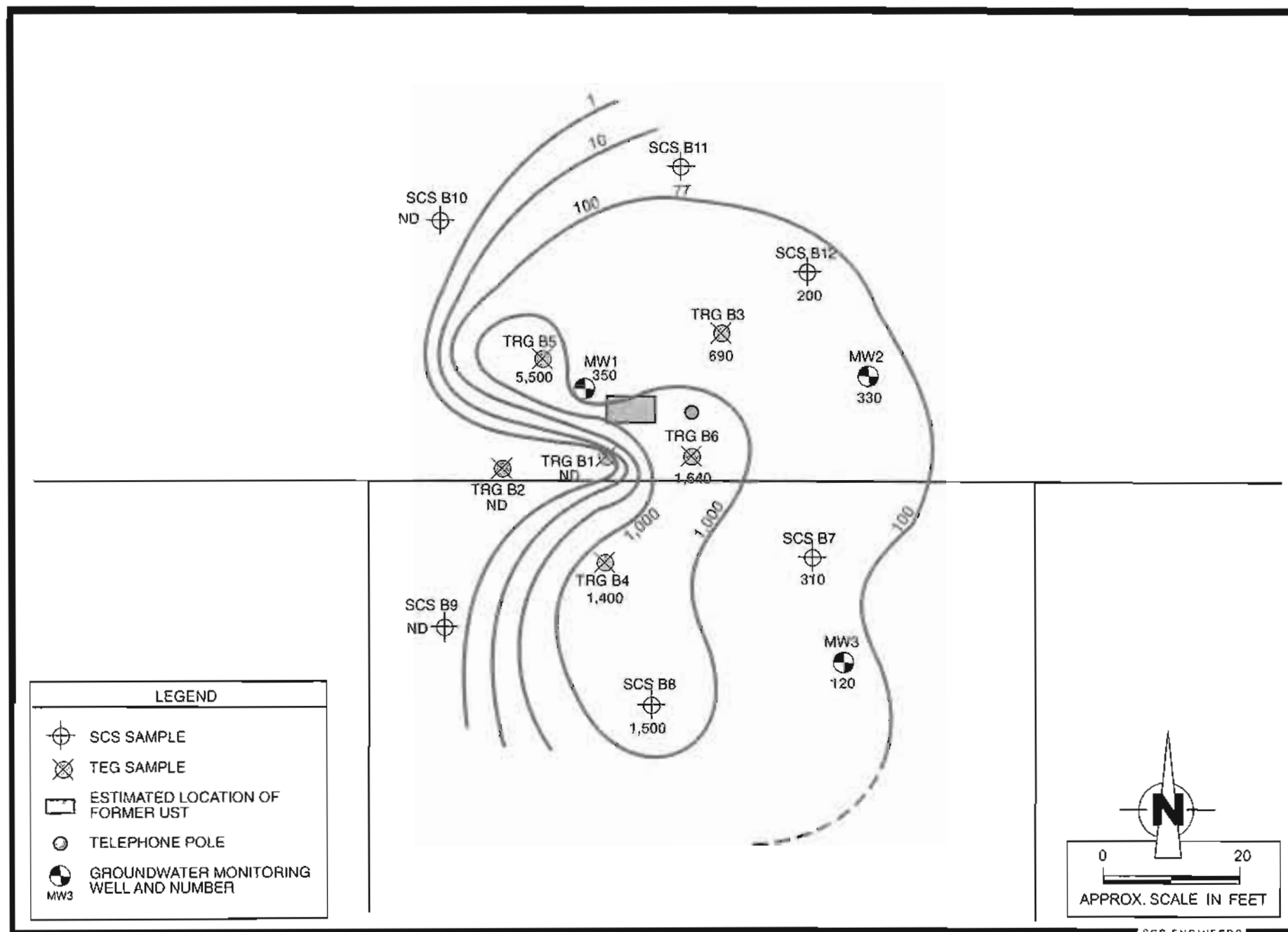


Figure 5. TPH-g Isoconcentration Map for Soils at a Depth of 10 Ft. BGS (mg/kg), Former Long Beach City Tow Yard, 901 W. Anaheim, Long Beach, CA.

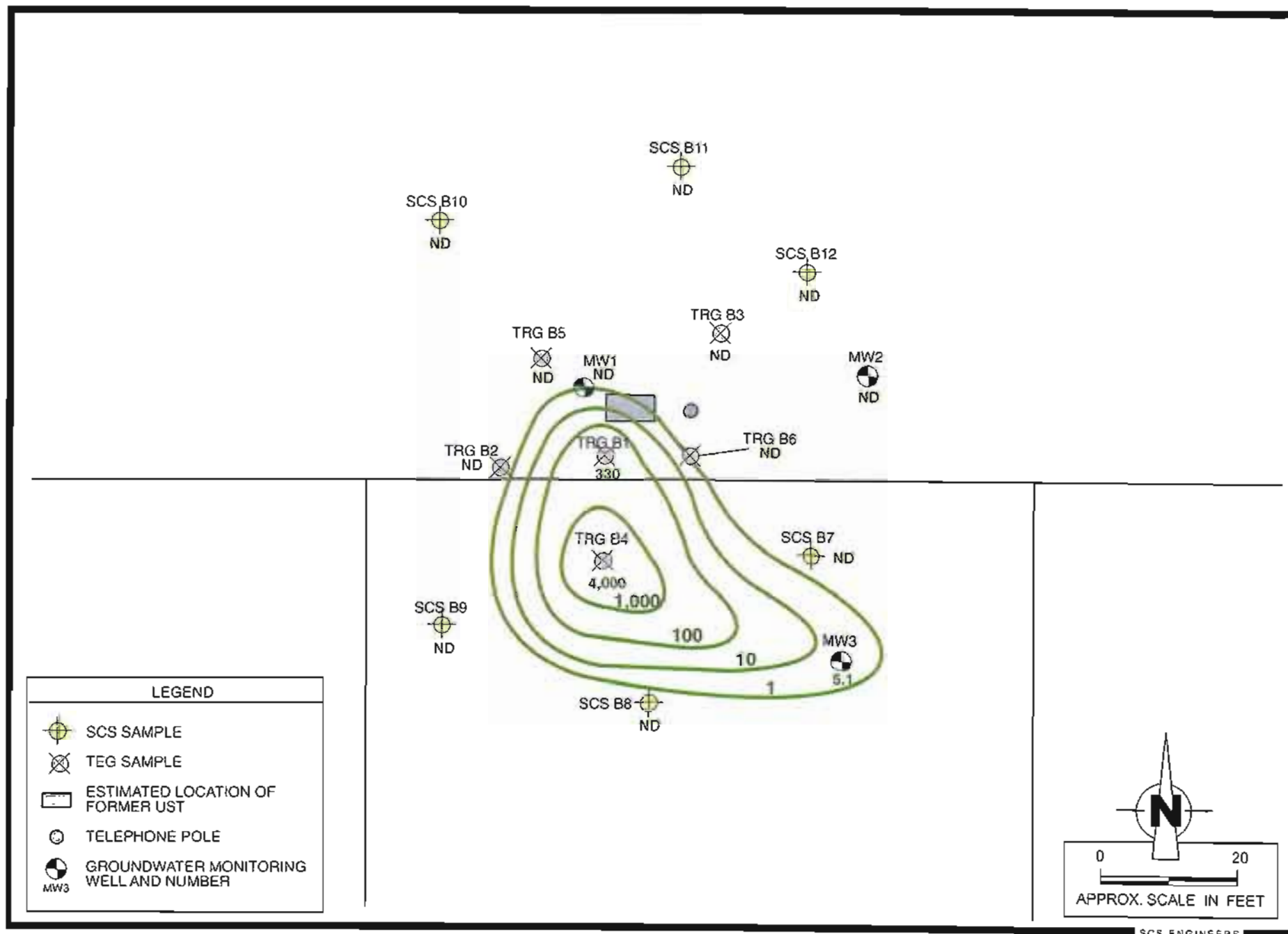


Figure 6. Benzene Isoconcentration Map for Soils at a Depth of 5 Ft. BGS (ug/kg), Former Long Beach City Tow Yard, 901 W. Anaheim, Long Beach, CA.

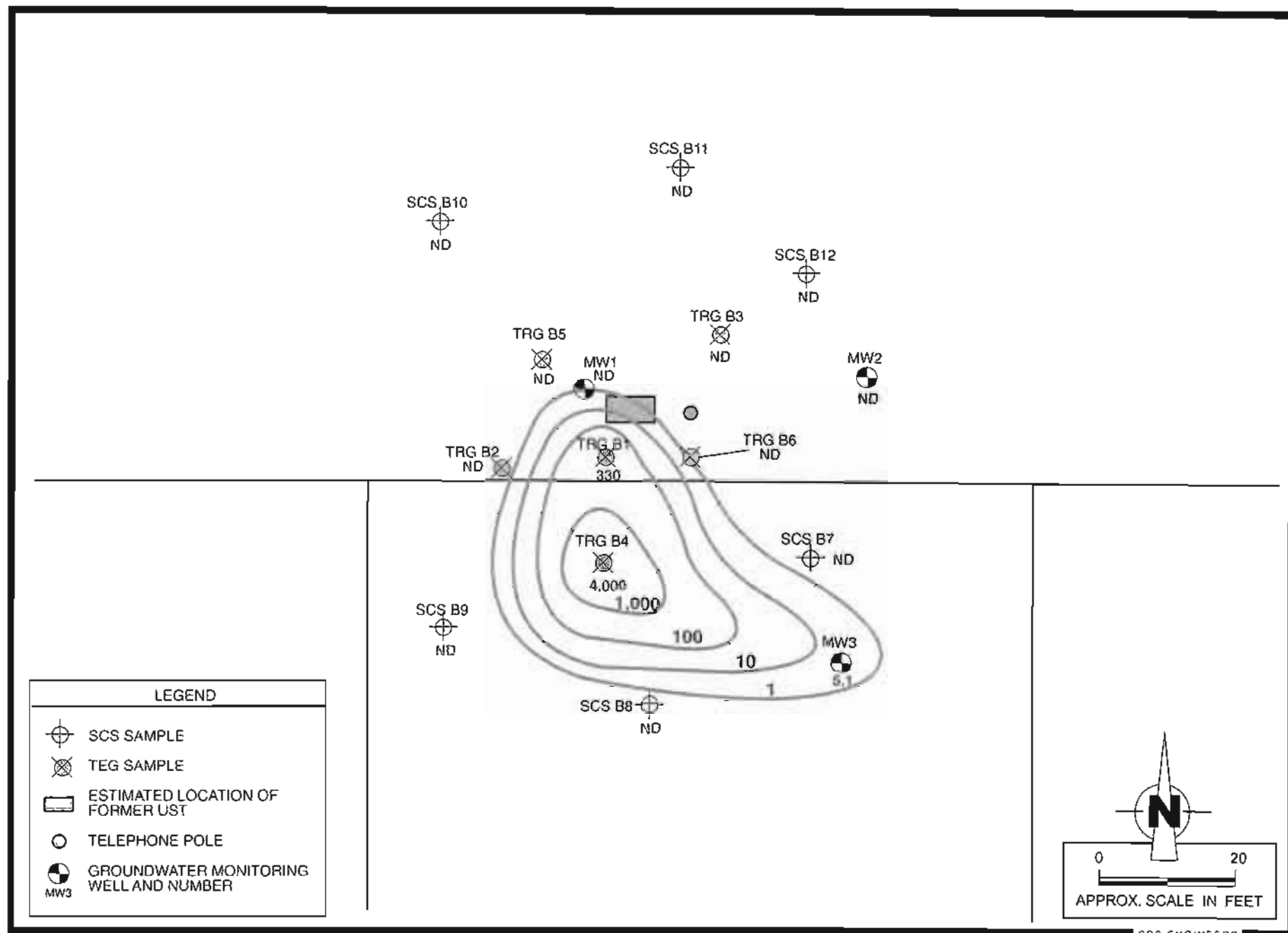


Figure 6. Benzene Isoconcentration Map for Soils at a Depth of 5 Ft. BGS (ug/kg), Former Long Beach City Tow Yard, 901 W. Anaheim, Long Beach, CA.

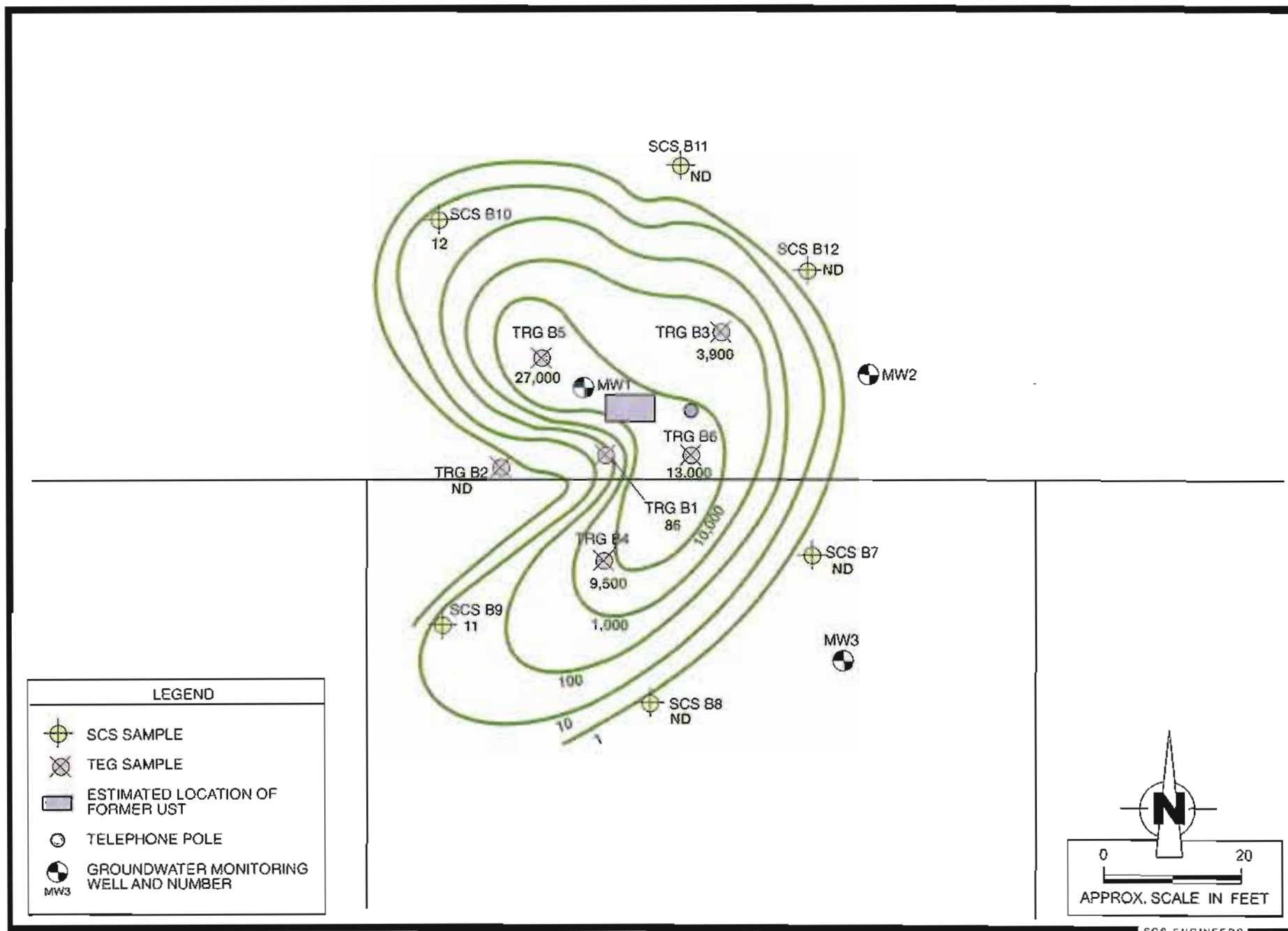


Figure 7. Benzene Isoconcentration Map for Soils at a Depth of 10 Ft. BGS (ug/kg), Former Long Beach City Tow Yard, 901 W. Anaheim, Long Beach, CA.

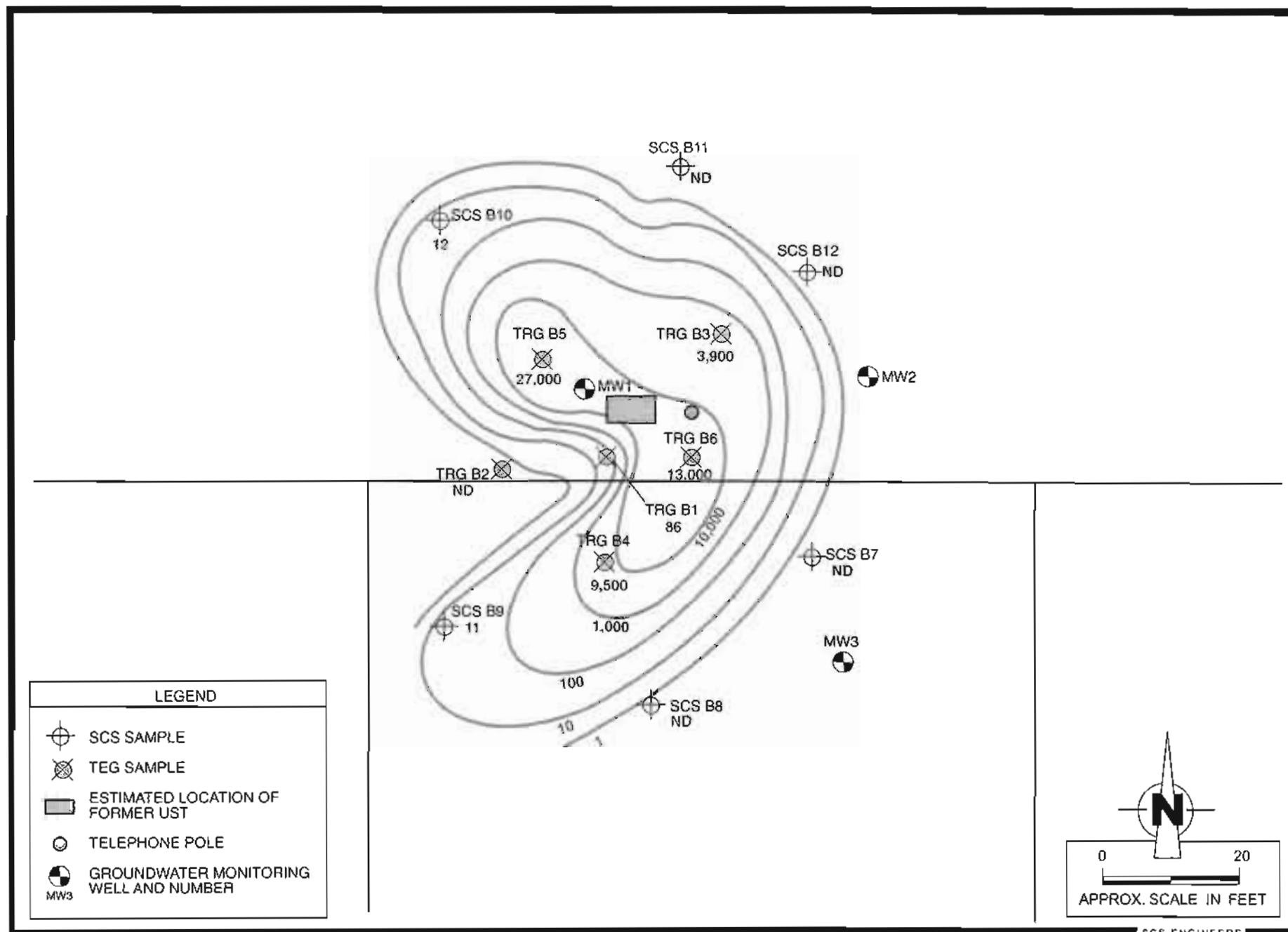


Figure 7. Benzene Isoconcentration Map for Soils at a Depth of 10 Ft. BGS (ug/kg), Former Long Beach City Tow Yard, 901 W. Anaheim, Long Beach, CA.

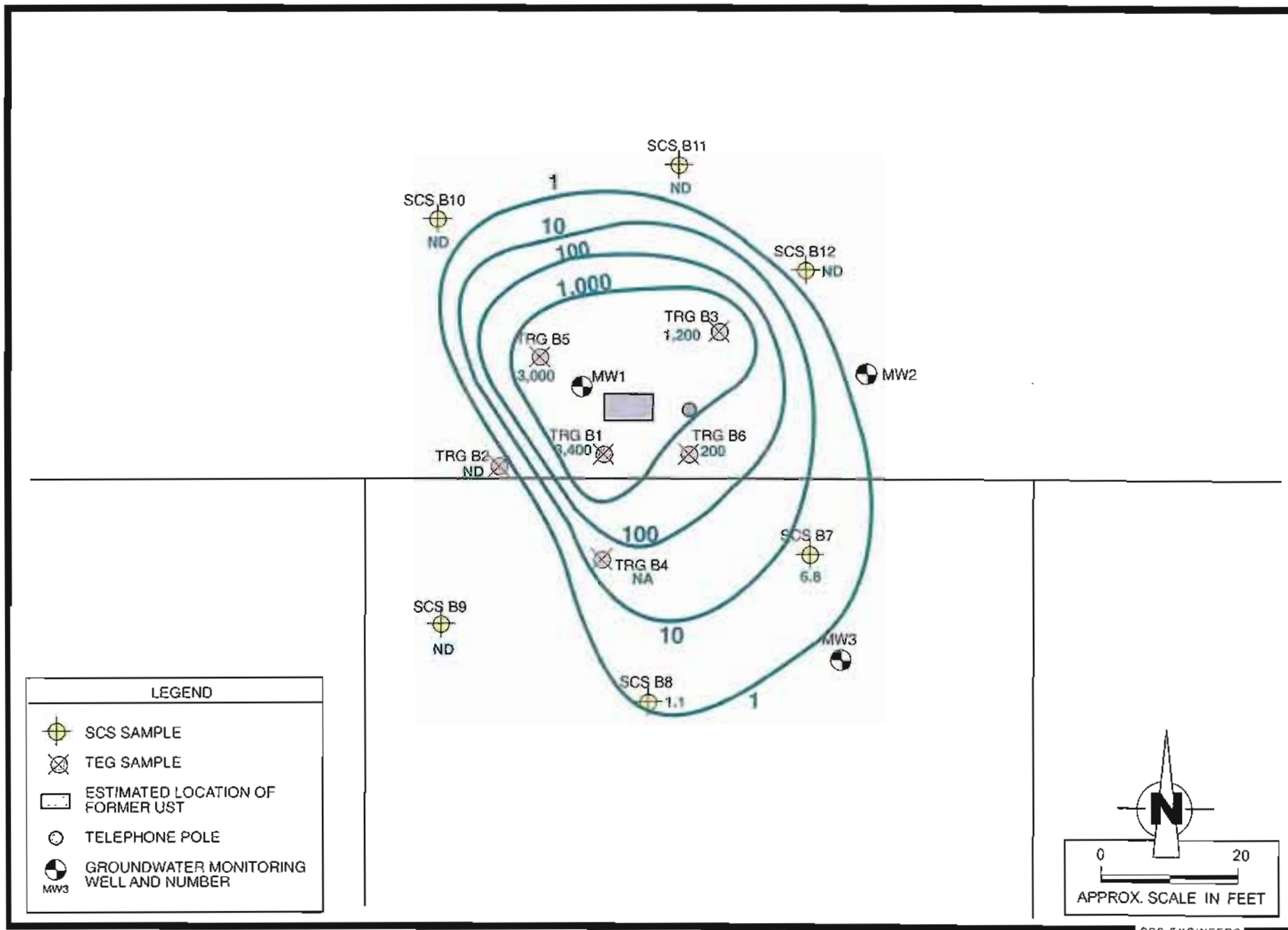


Figure 8. TPH-g Isoconcentration Map for Groundwater Grab Samples (mg/L), Former Long Beach City Tow Yard, 901 W. Anaheim, Long Beach, CA.

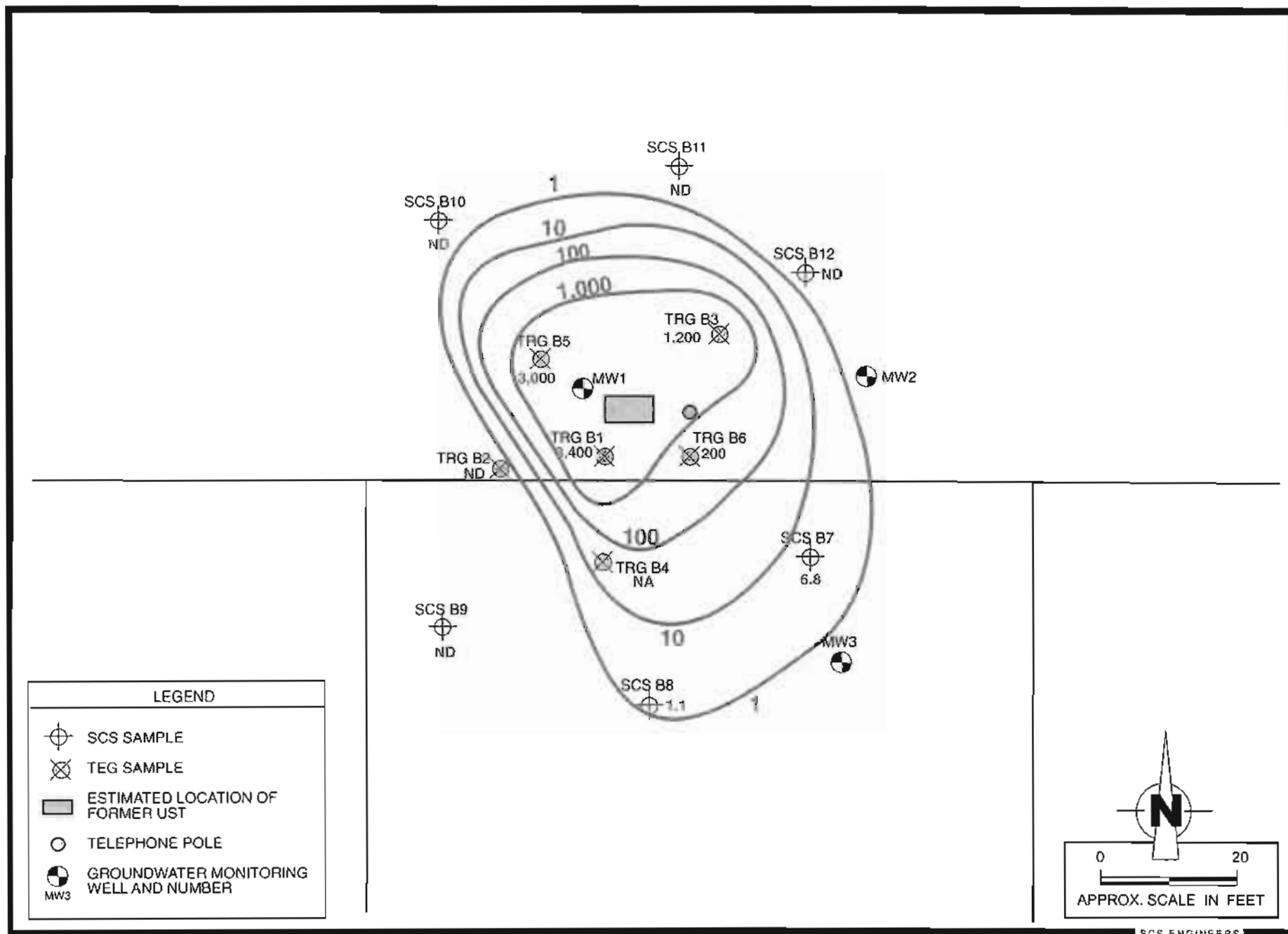


Figure 8. TPH-g Isoconcentration Map for Groundwater Grab Samples (mg/L), Former Long Beach City Tow Yard, 901 W. Anaheim, Long Beach, CA.

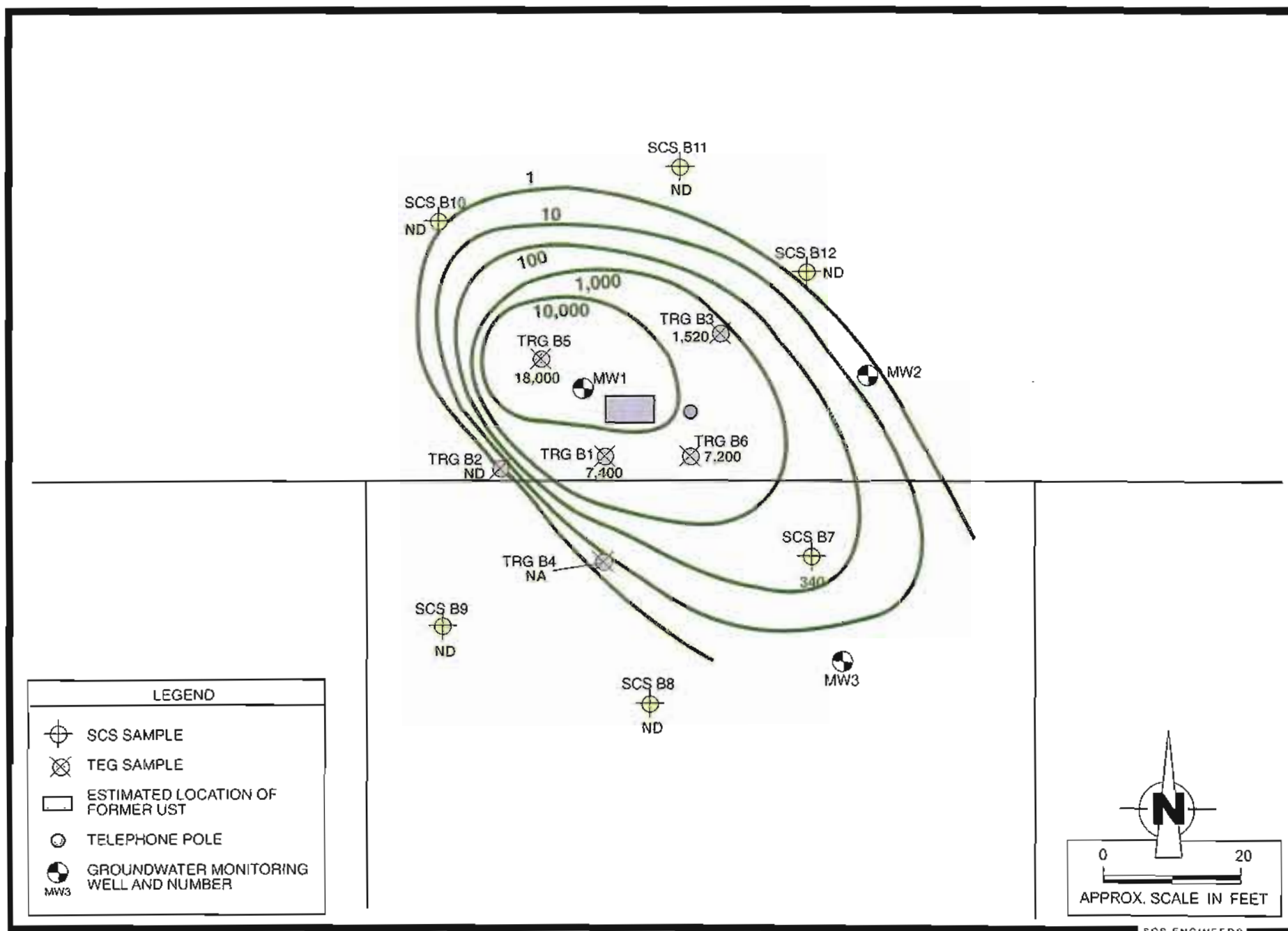


Figure 9. Benzene Isoconcentration Map for Groundwater Grab Samples (ug/L), Former Long Beach City Tow Yard, 901 W. Anaheim, Long Beach, CA.

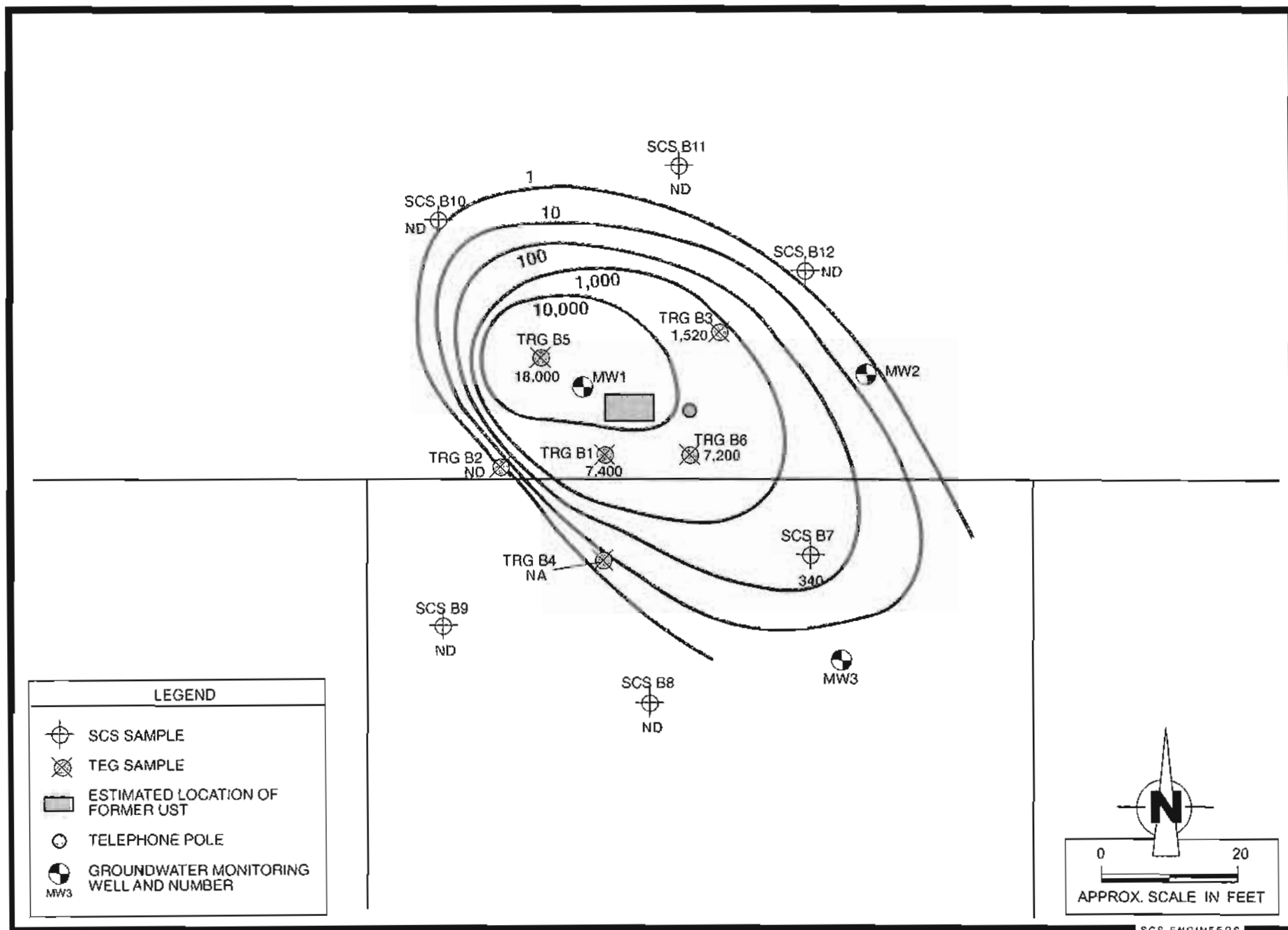


Figure 9. Benzene Isoconcentration Map for Groundwater Grab Samples (ug/L), Former Long Beach City Tow Yard, 901 W. Anaheim, Long Beach, CA.

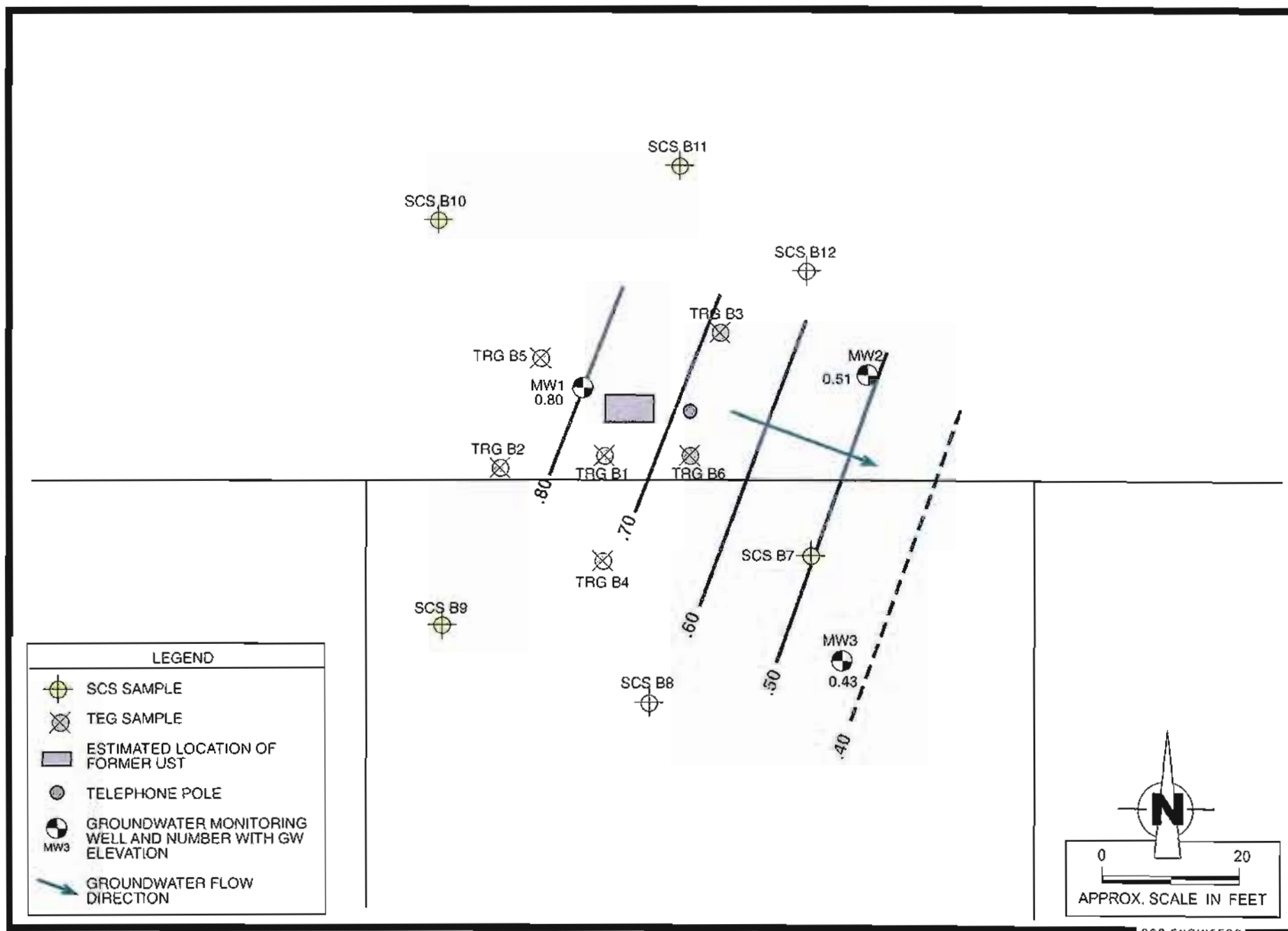


Figure 10. Groundwater Elevation Map, August 11, 2005, Former Long Beach City Tow Yard, 901 W. Anaheim, Long Beach, CA.

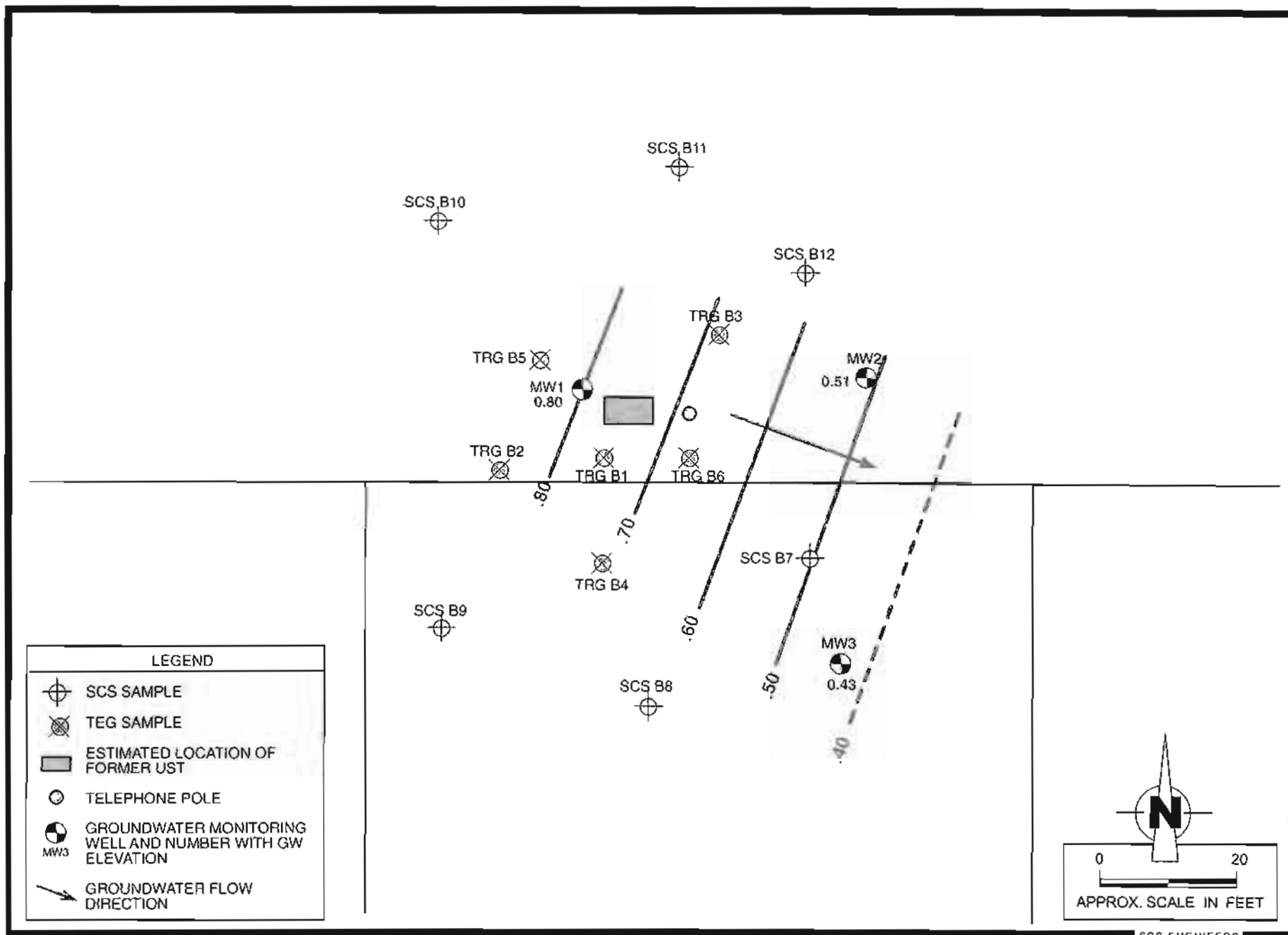


Figure 10. Groundwater Elevation Map, August 11, 2005, Former Long Beach City Tow Yard, 901 W. Anaheim, Long Beach, CA.

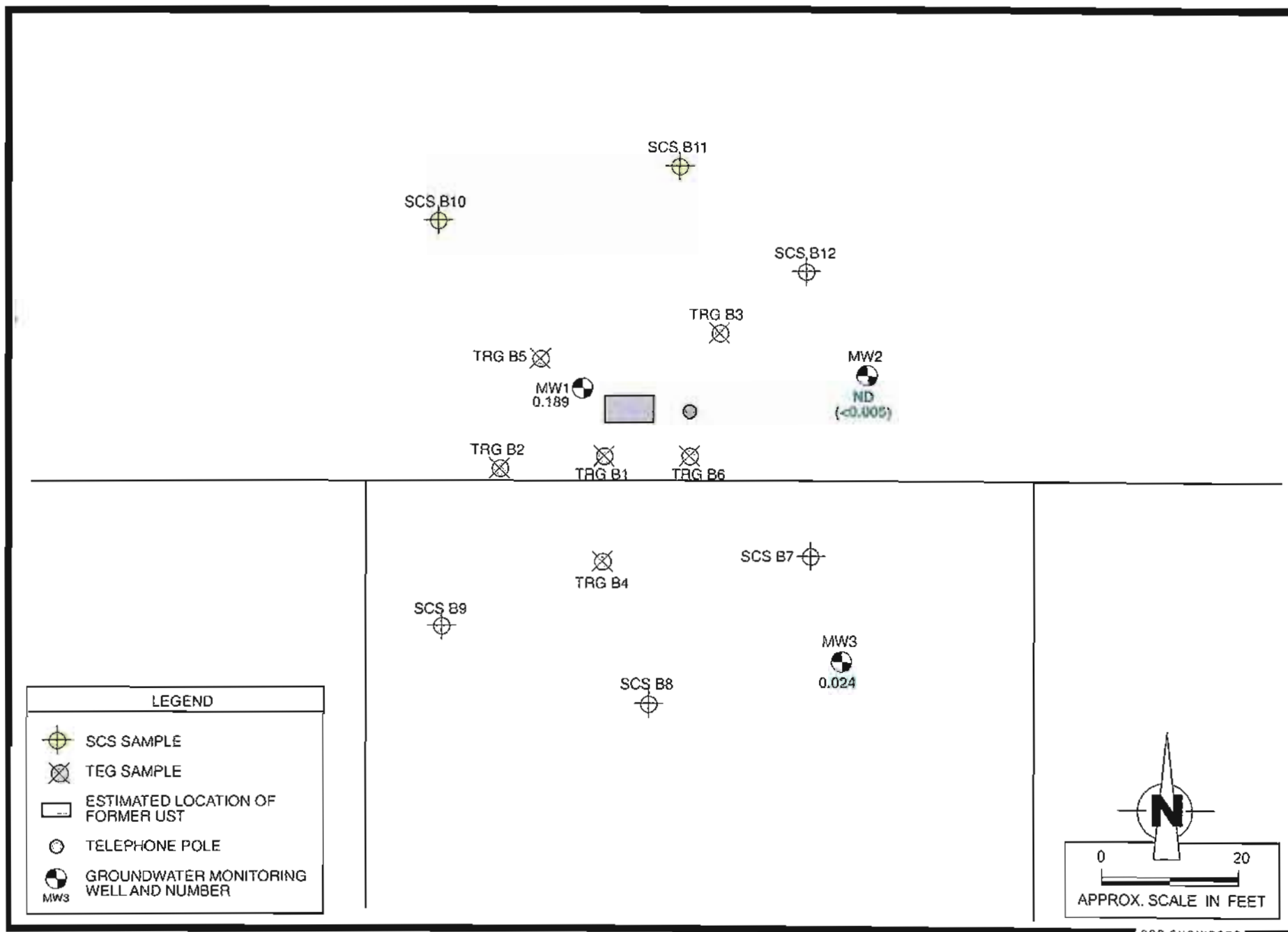


Figure 11. Map Showing TPH-g Concentrations in Groundwater Samples Collected from Monitoring Wells on August 11, 2005 (mg/L), Former Long Beach City Tow Yard, 901 W. Anaheim, Long Beach, CA.

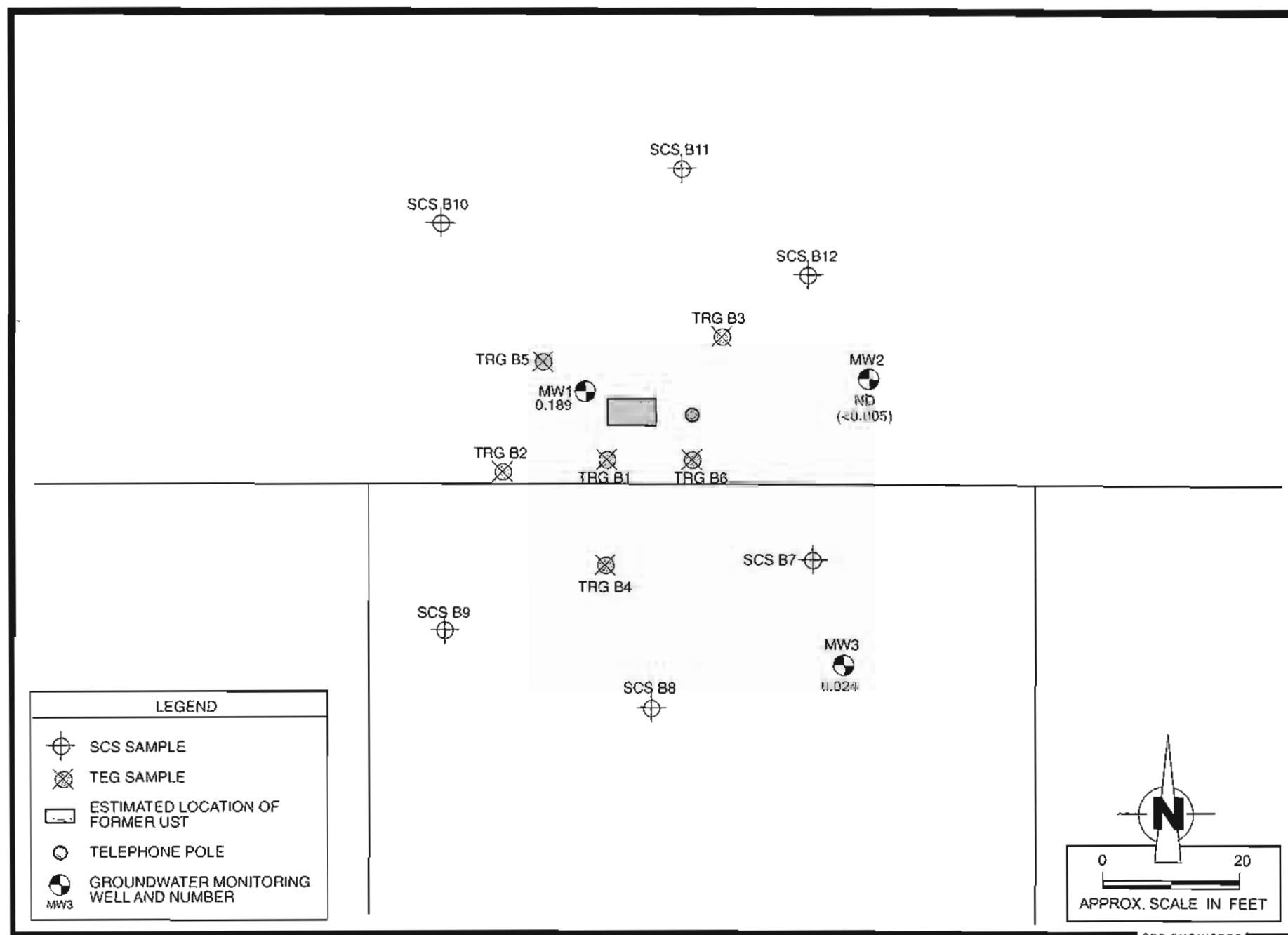


Figure 11. Map Showing TPH-g Concentrations in Groundwater Samples Collected from Monitoring Wells on August 11, 2005 (mg/L), Former Long Beach City Tow Yard, 901 W. Anaheim, Long Beach, CA.

TABLES

TABLE 1
SUMMARY OF GROUNDWATER ELEVATION DATA
LONG BEACH CITY TOW YARD
901 W. ANAHEIM STREET, LONG BEACH, CALIFORNIA

Well No. (Casing Diameter)	Reference Point Elevation* (Ft. above MSL)	Measured Casing Depth (Ft. Below RP)	Perforated Interval (bgs)	Date	Depth to Water (Ft. below RP)	Groundwater Elevation (Ft. Above MSL)
MW-1 (4 in.)	6.79	20	5-20	8/11/2005	5.99	0.80
MW-2 (4 in.)	6.74	20	5-20	8/11/2005	6.23	0.51
MW-3 (4 in.)	7.55	20	5-20	8/11/2005	7.12	0.43

* = Casing reference point elevation. Changes represent resurveys of Reference Points.

RP = Reference Point on Well Casing

MSL = Mean Sea Level.

BGS = Below Ground Surface.

N/A = Not Available. Well dry or obstruction prevented sounding.

No Access = Access to this well was not available.

TABLE 2
SUMMARY OF SOIL ANALYTICAL RESULTS FOR VOLATILE ORGANIC COMPOUNDS AND GASOLINE AND DIESEL RANGE ORGANICS
LONG BEACH CITY TOW YARD
901 W ANAHEIM, LONG BEACH, CALIFORNIA

Sample Number (or Boring ID)	Sample Depth (feet bgs)	Sampling Date	Gasoline Range Organics (C4- C12) [By GC/FID Using EPA Method 8015B(M)]	Diesel Range Organics (C13-C22) [Using EPA Method 8015(M)]	VOLATILE ORGANIC COMPOUNDS (VOCs) (By GC/MS Using EPA Method 5035/8260B for SCS Samples, and EPA M602 for TRG Samples)																
					1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	4-Isopropyltoluene	Benzene	Bromodichloromethane	Dibromochloromethane	Ethylbenzene	Isopropylbenzene	m,p-Xylene	o-Xylene	MTBE	n-Butylbenzene	n-Propylbenzene	Naphthalene	sec-Butylbenzene	Toluene	
			Milligrams per kilogram (mg/kg), equivalent to parts per million	Micrograms per kilogram (µg/kg), equivalent to parts per billion																	
TRGB1	5.5	12/14/95 and 1/18/96	125	42	-	-	-	330	-	-	1,850	-	3,500	-	-	-	-	-	-	330	
	10		ND	ND	-	-	-	86	-	-	320	-	1,600	-	-	-	-	-	150		
TRGB2	5		ND	ND	-	-	-	ND	-	-	ND	-	ND	-	-	-	-	-	ND		
	10		ND	ND	-	-	-	ND	-	-	ND	-	ND	-	-	-	-	-	ND		
TRGB3	5		ND	ND	-	-	-	ND	-	-	9	-	ND	-	-	-	-	-	-	12	
	10		690	29	-	-	-	3,900	-	-	11,000	-	49,000	-	-	-	-	-	-	4,100	
TRGB4	5		3,350	270	-	-	-	4,000	-	-	8,500	-	320,000	-	-	-	-	-	-	7,000	
	10		1,400	145	-	-	-	9,500	-	-	30,000	-	150,000	-	-	-	-	-	-	6,600	
TRGB5	5.5		3	ND	-	-	-	ND	-	-	50	-	230	-	-	-	-	-	-	ND	
	10		5,500	530	-	-	-	27,000	-	-	110,000	-	540,000	-	-	-	-	-	-	48,000	
TRGB6	5		28	ND	-	-	-	ND	-	-	180	-	ND	-	-	-	-	-	-	ND	
	10		1,640	140	-	-	-	13,000	-	-	37,000	-	170,000	-	-	-	-	-	-	14,000	
SCSB7	5	6/21/05	<40	-	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8	<7.6	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8		
	10		310	-	1,800	930	390	<190	<190	<190	1,500	1,100	400	<190	<190	2,400	4,000	2,500	690	<190	
SCSB8	5		<45	-	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<11	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3		
	10		1,500	-	77,000	27,000	2,100	<2,000	<2,000	<2,000	34,000	5,500	34,000	<2000	<2,000	8,800	18,000	11,000	2,200	<2,000	
SCSB9	5		<53	-	<3.6	<3.6	<3.6	<3.6	<3.6	4.5	<3.6	<3.6	<7.2	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	
	10		<35	-	<3.7	<3.6	<3.6	11	3.9	6.1	<3.6	<3.6	<7.3	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	13	
SCSB10	5		<87	-	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8	<7.7	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8	
	10		<54	-	<4.1	<4.1	<4.1	12	<4.1	<4.1	<4.1	<4.1	<8.2	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	10	
SCSB11	5		<49	-	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<8.2	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	
	10		77	-	<200	<200	<200	<200	<200	<200	<200	<200	<390	<200	<200	470	<200	<200	<200	<200	
SCSB12	5		<46	-	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<8.4	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	
	10		200	-	<210	<210	<210	<210	<210	<210	<210	<210	<420	<210	<210	<210	<210	<210	740	<210	
MW1	6	7/27/05	<1.0	14	-	-	-	<5.2	-	-	<5.2	-	<10	<5.2	<5.2	-	-	-	-	<5.2	
	9		350	14	-	-	-	<210	-	-	2,900	-	6,000	1,500	<210	-	-	-	-	<210	
MW2	13		<1.0	16	-	-	-	<4.5	-	-	<4.5	-	<8.9	<4.5	<4.5	-	-	-	-	<4.5	
	6		<1.0	26	-	-	-	<4.7	-	-	<4.7	-	<9.3	<4.7	<4.7	-	-	-	-	<4.7	
MW3	9		330	28	-	-	-	<230	-	-	9,600	-	20,000	310	<230	-	-	-	-	<230	
	13		<1.0	13	-	-	-	<4.3	-	-	<4.3	-	<8.5	<4.3	<4.3	-	-	-	-	<4.3	
	6		<1.0	16	-	-	-	5.1	-	-	<4.7	-	<9.5	<4.7	<4.7	-	-	-	-	<4.7	
	9		120	35	-	-	-	<240	-	-	620	-	<490	<240	<240	-	-	-	-	<240	
			310	54	-	-	-	300	-	-	13,000	-	6,800	<290	<290	-	-	-	-	<290	
RWQCB SSLs (<20 feet above groundwater)			100	100	-	-	-	11	-	-	700	-	1,750*	1,750*	-	-	-	-	-	150	
US EPA Preliminary Remediation Goals (Residential Site)			-	-	1,200,000	1,100	240,000	600	820	1,100	220,000	570,000	270,000	270,000	32,000	240,000	240,000	1,700*	220,000	520,000	
US EPA Preliminary Remediation Goals (Industrial Site)			-	-	1,200,000	2,600	240,000	1,300	1,800	2,600	220,000	2,000,000	420,000	420,000	70,000	240,000	240,000	4,200*	220,000	520,000	

- Notes:
- 1) bgs = below ground surface
 - 2) US EPA Region 9 or California-modified (where available) Preliminary Remediation Goals (PRGs) for Residential and Industrial Soils, October 2004 (<http://www.epa.gov/region09/waste/sfund/prg/files/04prgtable.pdf>).
 - 3) - = Not Applicable or Not Analyzed
 - 4) ND = None Detected
 - 5) TRG = The Reynolds Group
 - 6) SCS = SCS Engineers
 - 7) * = Value for Total Xylenes

TABLE 3
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS FOR VOLATILE ORGANIC COMPOUNDS AND GASOLINE AND DIESEL RANGE ORGANICS
LONG BEACH CITY TOW YARD
901 W ANAHEIM, LONG BEACH, CALIFORNIA

Sample Number (or Boring ID)	Sample Depth (feet bgs)	Sampling Date	Gasoline Range Organics (C4- C12) [By GC/FID Using EPA Method 8015B(M)]	Diesel Range Organics (C13-C22) [Using EPA Method 8015(M)]	VOLATILE ORGANIC COMPOUNDS (VOCs) (By GC/MS Using EPA Method 8260B for SCS Samples, and EPA M602 for TRG Samples)																
					1,2,4-Trimethylbenzene	1,2-Dibromo-3-chloropropane	1,3,5-Trimethylbenzene	4-Isopropyltoluene	Benzene	Bromodichloromethane	Dibromochloromethane	Ethylbenzene	Isopropylbenzene	Xylenes	Methyl-tert-butyl ether (MTBE)	n-Butylbenzene	n-Propylbenzene	Naphthalene	sec-Butylbenzene	tert-Butyl alcohol (TBA)	Toluene
					Milligrams per Liter (mg/L)				Micrograms per Liter (µg/L)												
TRGB1	10	12/14/95 and 1/18/96	3,400	600	--	--	--	--	7,400	--	--	108,000	--	703,000	--	--	--	--	--	--	18,000
TRGB2			ND	ND	--	--	--	--	ND	--	3.0	0.6	--	1.9	--	--	--	--	--	ND	
TRGB3			1,200	160	--	--	--	--	1,520	--	--	3,660	--	15,000	--	--	--	--	--	2,660	
TRGB4			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
TRGB5			3,000	94	--	--	--	--	18,000	--	--	74,600	--	445,000	--	--	--	--	--	42,400	
TRGB6			200	28	--	--	--	--	7,200	--	--	7,600	--	34,800	--	--	--	--	--	4,100	
SCSB7-GW	12	6/21/05	6.8	--	81	<5.0	43	8.6	340	<5.0	<5.0	240	91	120	<5.0	26	250	540	11	--	11
SCSB8-GW			1.1	--	16	<5.0	9.3	<5.0	<5.0	<5.0	<5.0	85	11	19	5.3	5.4	25	27	<5.0	--	<5.0
SCSB9-GW			<0.20	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	6.6	<5.0	<5.0	<5.0	<5.0	--	<5.0
SCSB10-GW			<0.20	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	--	<5.0
SCSB11-GW			0.30	--	13	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	6.1	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	--	<5.0
SCSB12-GW			<0.20	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	--
MW1	8/11/05	0.189	<0.1*	--	--	--	--	<0.5	--	--	1.2	--	4.8	<0.5	--	--	--	--	<0.5	<0.5	
MW2		<0.005	<0.1*	--	--	--	--	<0.5	--	--	<0.5	--	<0.5	<0.5	--	--	--	--	<0.5	<0.5	
MW3		0.024	<0.1*	--	--	--	--	<0.5	--	--	<0.5	--	<0.5	3.9	--	--	--	--	38.8J	<0.5	
Maximum Contaminant Level (MCL)			--	--	--	0.2	--	--	1	80^	80^	300	--	1,750	5**	--	--	170	--	12**	150

- Notes:
- 1) bgs = below ground surface
 - 2) -- = Not Applicable or Not Analyzed
 - 3) ND = None Detected
 - 4) TRG = The Reynolds Group
 - 5) SCS = SCS Engineers
 - 6) * = Result Includes Heavy-Range Hydrocarbons (C23-C40)
 - 7) J = Analyte was detected. However, the analyte concentration is an estimated value, which is between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).
 - 8) MCL = U.S. EPA or California primary or secondary (as noted) MCL; lowest value provided.
 - 9) ** = California Secondary MCL
 - 10) ^ = MCL for total trihalomethanes, including chloroform, bromodichloromethane, dibromochloromethane and bromoform.

APPENDIX A
LONG BEACH HEALTH DEPARTMENT
WELL PERMIT





CITY OF LONG BEACH

DEPARTMENT OF HEALTH & HUMAN SERVICES

2525 Grand Avenue Long Beach, CA 90815-1765 (562) 570-4134 FAX (562) 570-4038

WELL PERMIT

Permit # 1128

Date: July 26, 2005

All work must be completed in accordance with Water Well Bulletin 74-81 and 74-90

Site Address: 901 W Anaheim St
Owner: City of Long Beach
Owner Address: 333 W Ocean Blvd. 3rd Fl., Long Beach
Consulting Firm: SCS Engineers
Consulting Firm Address: 3900 Kilroy Airport Way, Ste 100, Long Beach 90806
Drilling Company: Layne Christensen
Drilling Company Address: 1101 Etiwanda Ave., Fontana, CA 92337
Method of Construction/Destruction: see attached

3 Monitoring Wells

This permit valid for one year from date above

Steven Nakauchi, REHS IV
Cross-Connection/Water Program

APPENDIX B
BORING LOGS

3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806-6816

BORING NUMBER: SCS B7

Page 1 of 1

Long Beach City Tow Yard
901 W. Anaheim St.
Long Beach, CA

JOB NUMBER: 01204007.02 task1

REMARKS:
GW sample collected from temporary well

Depth		Sample Information					Graphic Log	Description	Completion Detail
meters	feet	Sample Location	Sample Number	Blow Counts	OM (ppm)	USCS Soil Class.			
0	0							Surface - asphalt	
1	1								
2	2								
3	3								
4	4								
5	5		SCS B7-5'		NA	SM		5' - Brown, silty sand, medium dense, moist, no odor	
6	6								
7	7								
8	8								
9	9								
10	10		SCS B7-10'		100	ML		10' - Gray silt, medium dense, moist, hydrocarbon odor	
11	11								
12	12								
13	13								
14	14								
15	15								

Drilling Company: **H&P**

Drilling Method: **Strataprobe**

Logged By: **K. Green**

Sampling Method: **Split spoon with acetate sleeve**

Date Started: **6/21/05**

Date Ended: **6/21/05**

Boring Diameter: **2.5"**

Well Diameter: **1"**

Time Started: **09:10**

Time Ended: **09:35**

Depth to Water: **10.0 ft.**

Total Depth: **14.0 ft.**

3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806-6816

BORING NUMBER: SCS B8

Page 1 of 1

Long Beach City Tow Yard
901 W. Anaheim St.
Long Beach, CA

JOB NUMBER: 01204007.02 task1

REMARKS:
GW sample collected from temporary well set at 14'

Depth		Sample Information					Graphic Log	Description	Completion Detail
meters	feet	Sample Location	Sample Number	Blow Counts	OVN (ppm)	USCS Soil Class.			
0	0							Surface - asphalt	0
1	1								
2	2								
3	3								
4	4								
5	5		SCS B8-5		0	SP		5' - Gray, fine sand, medium dense, moist, slight odor	5
6	6								
7	7								
8	8								
9	9								
10	10		SCS B8-10		NA	ML		10' - Gray silt, soft, wet, hydrocarbon odor	10
11	11								
12	12								
13	13								
14	14								
15	15								

Drilling Company: H&P

Drilling Method: Strataprobe

Logged By: K. Green

Sampling Method: Split spoon with acetate sleeve

Date Started: 6/21/05

Date Ended: 6/21/05

Boring Diameter: 2.5"

Well Diameter: 1"

Time Started: 09:40

Time Ended: 10:00

Depth to Water: 12.0 ft.

Total Depth: 14.0 ft.

STANDARD_LOG_01204007.02.GPJ STD_LOG.GDT 10/18/05

3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806-6816

BORING NUMBER: SCS B9

Page 1 of 1

Long Beach City Tow Yard
901 W. Anaheim St.
Long Beach, CA

JOB NUMBER: 01204007.02 task1

REMARKS:
GW sample collected from temporary well

Depth		Sample Information					Graphic Log	Description	Completion Detail
meters	feet	Sample Location	Sample Number	Blow Counts	OVM (ppm)	USCS Soil Class.			
0	0							Surface - asphalt	0
1	1								
2	2								
3	3								
4	4								
5	5	SCS B9-5'			0	SP		5' - Brown sand, medium dense, moist, no odor	5
6	6								
7	7								
8	8								
9	9								
10	10	SCS B9-10'			NA	ML		10' - Gray silt, medium dense - soft, odor	10
11	11								
12	12								
13	13								
14	14								
15	15								

Drilling Company: H&P

Drilling Method: Strataprobe

Logged By: K. Green

Sampling Method: Split spoon with acetate sleeve

Date Started: 6/21/05

Date Ended: 6/21/05

Boring Diameter: 2.5"

Well Diameter: 1"

Time Started: 10:00

Time Ended: 10:25

Depth to Water: 12.0 ft.

Total Depth: 14.0 ft.

3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806-6816

BORING NUMBER: SCS B10 Page 1 of 1

Long Beach City Tow Yard
901 W. Anaheim St.
Long Beach, CA

JOB NUMBER: 01204007.02 task1

REMARKS:
GW sample collected from temporary well

Depth		Sample Information					Graphic Log	Description	Completion Detail
meters	feet	Sample Location	Sample Number	Blow Counts	OVM (ppm)	USCS Soil Class.			
0	0							Surface - asphalt	0
	1								
	2								
	3								
1	4								
	5		SCS B10-5		NA	SM		5' - Gray-brown, silty sand, moist, no odor	5
	6								
2	7								
	8								
	9								
3	10		SCS B10-10		NA	SM		10' - Gray sand/silt mix, wet, no odor	10
	11								
	12								
	13								
4	14								
	15								

Drilling Company: H&P

Drilling Method: Strataprobe

Logged By: K. Green

Sampling Method: Split spoon with acetate sleeve

Date Started: 6/21/05

Date Ended: 6/21/05

Boring Diameter: 2.5"

Well Diameter: 1"

Time Started: 08:30

Time Ended: 09:00

Depth to Water: 11.0 ft.

Total Depth: 14.0 ft.

3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806-6816

BORING NUMBER: SCS B11 Page 1 of 1

Long Beach City Tow Yard
901 W. Anaheim St.
Long Beach, CA

JOB NUMBER: 01204007.02 task1

REMARKS:
GW sample collected from temporary well

Depth		Sample Information					Graphic Log	Description	Completion Detail
meters	feet	Sample Location	Sample Number	Blow Counts	QVM (ppm)	USCS Soil Class.			
0	0							Surface - asphalt	0
	1								
	2								
	3								
1	4								
	5		SCS B11-5		NA	SM		5' - Gray, silty sand, moist, hydrocarbon odor	5
	6								
2	7								
	8								
	9								
3	10		SCS B11-10		NA	ML		10' - Gray, sandy silt, saturated, strong hydrocarbon odor	10
	11								
	12								
	13								
4	14								
	15								

Drilling Company: **H&P**

Drilling Method: **Strataprobe**

Logged By: **K. Green**

Sampling Method: **Split spoon with acetate sleeve**

Date Started: **6/21/05**

Date Ended: **6/21/05**

Boring Diameter: **2.5"**

Well Diameter: **1"**

Time Started: **08:05**

Time Ended: **08:25**

Depth to Water: **12.0 ft.**

Total Depth: **14.0 ft.**

3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806-6816

BORING NUMBER: SCS B12 Page 1 of 1

Long Beach City Tow Yard
901 W. Anaheim St.
Long Beach, CA

JOB NUMBER: 01204007.02 task1

REMARKS:
GW sample collected from temporary well set at 14'

Depth		Sample Information					Graphic Log	Description	Completion Detail
meters	feet	Sample Location	Sample Number	Blow Counts	OVM (ppm)	USCS Soil Class.			
0	0							Surface - asphalt	0
	1								
	2								
	3								
1	4								
	5		SCS B12-5		NA	SM		5' - Gray, silty sand, wet, gasoline odor	5
	6								
2	7								
	8								
	9								
3	10		SCS B12-10		NA	ML		10' - Gray silt, soft, saturated, hydrocarbon odor	10
	11								
	12								
	13								
4	14								
	15								

Drilling Company: H&P

Drilling Method: Strataprobe

Logged By: K. Green

Sampling Method: Split spoon with acetate sleeve

Date Started: 6/21/05

Date Ended: 6/21/05

Boring Diameter: 2.5"

Well Diameter: 1"

Time Started: 07:15

Time Ended: 08:00

Depth to Water: 12.0 ft.

Total Depth: 14.0 ft.

3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806-6816

BORING NUMBER: MW1

Page 1 of 1

Long Beach City Tow Yard
901 W. Anaheim St.
Long Beach, CA

JOB NUMBER: 01204007.02 task1

REMARKS:

Depth		Sample Information					Graphic Log	Description	Completion Detail	
meters	feet	Sample Location	Sample Number	Blow Counts	OM (ppm)	USCS Soil Class.				
0	0							Asphalt at surface	0	
1	1									
2	2							Hand augered to 5' bgs		
3	3									See groundwater monitoring well specifications
4	4									
5	5							Gray silt, damp, odorous	5	
6	6		MW1-6'		2.9	ML				
7	7									
8	8									
9	9		MW1-9'		26.1	ML		Gray, clayey silt, moist, strong odor		
10	10								10	
11	11									
12	12									
13	13		MW1-13'		3.8	ML		Gray silt, wet, strong odor		
14	14									
15	15								15	
16	16									
17	17									
18	18									
19	19									
20	20									

Drilling Company: Layne Christensen

Drilling Method: Hollow Stem Auger

Logged By: T. Holmes

Sampling Method: Split spoon

Date Started: 7/27/05

Date Ended: 7/27/05

Boring Diameter: 10"

Well Diameter: 4"

Time Started: 11:01

Time Ended: 12:40

Depth to Water: 12.0 ft.

Total Depth: 20.0 ft.

3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806-6816

BORING NUMBER: MW2

Page 1 of 1

Long Beach City Tow Yard
901 W. Anaheim St.
Long Beach, CA

JOB NUMBER: 01204007.02 task1

REMARKS:

Depth		Sample Information					Graphic Log	Description	Completion Detail	
meters	feet	Sample Location	Sample Number	Blow Counts	OVN (ppm)	USCS Soil Class.				
0	0							Asphalt at surface		
1	1									
2	2							Hand augered to 5' bgs		
3	3									
4	4									
5	5									
6	6		MW2-6'		2.8	SM		Gray, silty, very fine sand, damp, odorous		
7	7									
8	8									
9	9		MW2-9'		>>>high	ML		Greenish gray silt, moist, strong odor		
10	10									
11	11									
12	12									
13	13		MW2-13'		2.0	CL		Gray, silty clay, slight odor		
14	14									
15	15									
16	16									
17	17									
18	18									
19	19									
20	20									

See groundwater monitoring well specifications

Drilling Company: Layne Christensen

Drilling Method: Hollow Stem Auger

Logged By: T. Holmes

Sampling Method: Split spoon

Date Started: 7/27/05

Date Ended: 7/27/05

Boring Diameter: 10"

Well Diameter: 4"

Time Started: 13:30

Time Ended: 15:10

Depth to Water: 12.0 ft.

Total Depth: 20.0 ft.

3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806-6816

BORING NUMBER: MW3

Page 1 of 1

Long Beach City Tow Yard
901 W. Anaheim St.
Long Beach, CA

JOB NUMBER: 01204007.02 task1

REMARKS:

Depth		Sample Information					Graphic Log	Description	Completion Detail	
meters	feet	Sample Location	Sample Number	Blow Counts	OM (ppm)	USCS Soil Class.				
0	0							Asphalt at surface		
	1							Hand augered to 1.5' bgs; hit resistance (brick materials)		
	2									
	3									See groundwater monitoring well specifications
1	4									
	5							No recovery at 5'		
	6									
	7							Gray silt, moist, odorous		
	8									
	9									
	10							Gray silt, moist, odorous		
3	11									
	12									
	13									
4	14							Gray, clayey silt, wet, strong odor		
	15									
	16									
5	17									
	18									
	19									
6	20									

Drilling Company: Layne Christensen

Drilling Method: Hollow Stem Auger

Logged By: T. Holmes

Sampling Method: Split spoon

Date Started: 7/27/05

Date Ended: 7/27/05

Boring Diameter: 10"

Well Diameter: 4"

Time Started: 08:15

Time Ended: 10:30

Depth to Water: 12.0 ft.

Total Depth: 20.0 ft.

APPENDIX C
MONITORING WELL SURVEY DATA

**SCS
SAN FRANCISCO AVE
LONG BEACH, CA**

<u>WELL</u>	<u>ELEV</u>	<u>DESC</u>	<u>NORTH</u>	<u>EAST</u>
MW-1	6.79	4" PVC (N)	1743780.7	6499743.3
MW-1	7.39	RIM		
MW-1	7.37	ASPHALT		
MW-2	6.74	4" PVC (N)	1743780.8	6499787.9
MW-2	7.34	RIM		
MW-2	7.31	ASPHALT		
MW-3	7.55	4" PVC (N)	1743735.0	6499782.5
MW-3	7.96	RIM		
MW-3	7.93	ASPHALT		

BENCHMARK:

VERTICAL DATUM NGVD29

CITY OF LONG BEACH BM #286 NE CORNER SAN FRANCISCO
AVE AT 15TH ST, BRASS CAP IN WELL 16.0' E/CURB LINE
2.2' N/CURB

1985 ELEV= 6.225 FEET NGVD29

HORIZONTAL DATUM NAD83

NGS PID STATIONS AI4472 AND AJ1876 EPOCH DATE 2000.35

GLOBAL ID	FIELD PT NAME	FIELD PT CLASS	XY SURVEY DATE	LATITUDE	LONGITUDE	XY METHOD	XY DATUM	XY ACC VAL	XY SURVEY ORG	GPS EQUIP TYPE	XY SURVEY DESC	EFFECTIVE DATE
	MW-1		8/10/2005	33.7835443	-118.2037732	CGPS	NAD83	20	DOUGLAS BOYNTON PLS, LS4787	L399	NGS PID A14472 AND AJ1876 EPOCH DATE 2000.35	
	MW-2		8/10/2005	33.7838448	-118.2036293	CGPS	NAD83	20	DOUGLAS BOYNTON PLS, LS4787	L399	NGS PID A14472 AND AJ1876 EPOCH DATE 2000.35	
	MW-3		8/10/2005	33.7837191	-118.2036440	CGPS	NAD83	20	DOUGLAS BOYNTON PLS, LS4787	L399	NGS PID A14472 AND AJ1876 EPOCH DATE 2000.35	

GLOBAL ID	FIELD_PT_NAME	ELEV SURVEY DATE	ELEVATION	ELEV METHOD	ELEV DATUM	ELEV ACC VAL	ELEV SURVEY ORG	RISER HT	ELEV_DESC	EFFECTIVE DATE
	MW-1 4" PVC (N)	8/10/2005	6.79	DIG	29	3	DOUGLAS BOYNTON PLS, LS4787	-0.58	CITY OF LONG BEACH BM #286 1985 ELEV= 6.225 FEET	
	MW-2 4" PVC (N)	8/10/2005	6.74	DIG	29	3	DOUGLAS BOYNTON PLS, LS4787	-0.57	CITY OF LONG BEACH BM #286 1985 ELEV= 6.225 FEET	
	MW-3 4" PVC (N)	8/10/2005	7.65	DIG	29	3	DOUGLAS BOYNTON PLS, LS4787	-0.38	CITY OF LONG BEACH BM #286 1985 ELEV= 6.225 FEET	

APPENDIX D
WELL CONSTRUCTION DETAIL

FIGURE 3: MONITORING WELL DETAILS

PROJECT NAME: LONG BEACH CITY TOW YARD

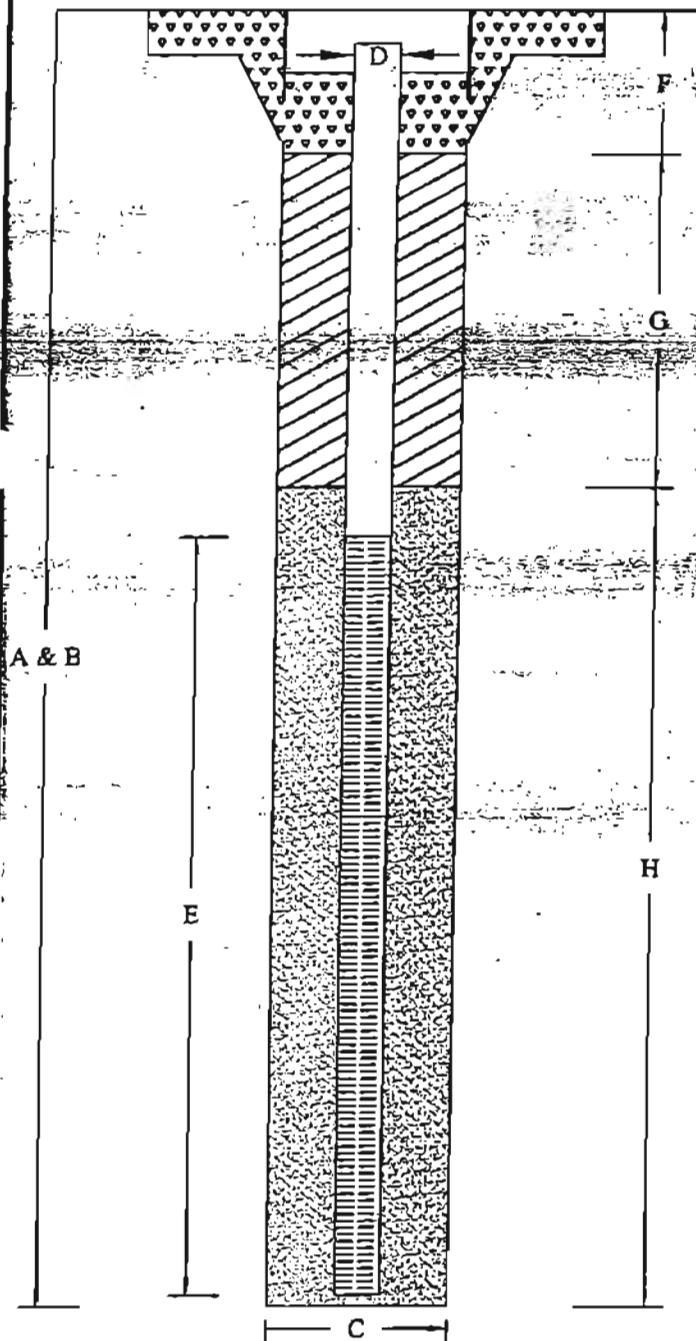
WELL ID: MW1, MW2 and MW3

PROJECT NUMBER:

CASING TYPE: SCHEDULE 40 PVC

LOCATION: 901 West Anaheim Street
Long Beach, CA

DEPTH TO WATER: Approximately 8 to 10 feet



A. TOTAL DEPTH OF BORING: 20 feet

B. CASING LENGTH: 20 feet

C. BORING DIAMETER: 10 inches

D. CASING DIAMETER: 4 inches

E. PERFORATED ZONE:

Perforated from: 5 feet below ground surface
to 20 feet below ground surface

Perforation type: Factory slotted

Perforation size: 0.010 inches

F. SURFACE COMPLETION: 18 inches

Material: Concrete

G. SANTARY SEAL:

Depth: from surface completion to top of sand

Material: Hydrated medium bentonite chips

H. FILTER PACK:

Depth: 4 feet below ground surface

to 20 feet below ground surface.

Material: #2/16 Sand

APPENDIX E
GROUNDWATER SAMPLING RECORDS

GROUNDWATER SAMPLING RECORD

Well ID: MW-1 Station #: _____ Project # 0120400702

Facility Name: LB City yard Date: 8/11/05

Well Depth: 20 Depth to Water: 5.99 Well Diameter: 4

Casing Material: PVC Volume Of Water per Well Volume: _____

Sampling

Crew: LW&SW

Equipment: QED micro pump Tubing Material: Polyethylene Pump set at 15 ft.

Weather Conditions: Sunny 50

NOTES: 10:19 start clear water mid day

TIME	<u>10:23</u>	<u>10:27</u>	<u>10:31</u>		
Volume Pumped	<u>1.25 L</u>	<u>2.25 L</u>	<u>3.25 L</u>		
Water Level			<u>6.46</u>		
Temp. (°C)	<u>24.6</u>	<u>24.1</u>	<u>24.0</u>		
Pumping Rate	<u>250 ml/min</u>				
DO (mg/l)					
EC (µS/cm)	<u>14.0</u>	<u>13.9</u>	<u>13.5</u>		
PH	<u>7.07</u>	<u>7.05</u>	<u>7.06</u>		
ORP (mV)					
Turbidity (NTU)	<u>36</u>	<u>19</u>	<u>8</u>		

Parameters taken with: Horiba Other Parameters: _____

Sampled at: 10:31 (time) Sample collection method: QED

Sample delivered to APC by LW at _____

Sample #'s: _____ Other #'s: _____

Parameters Collected; Number of Bottles; Bottle Lot Number:

pH, DO
6.5, 10.5, 10.5, 10.5

GROUNDWATER SAMPLING RECORD

Well ID: MW-2 Station #: _____ Project # 02040702

Facility Name: LB City pool Date: 8/11/05

Well Depth: 20 Depth to Water: 6.23 Well Diameter: 4

Casing Material: pvc Volume Of Water per Well Volume: _____

Sampling Crew: Whisper

Equipment: GED micropipe Tubing Material: polyethylene Pump set at 15 ft.

Weather Conditions: Sunny

NOTES: clear, colorless water 9:44 start

TIME	<u>9:45</u>	<u>9:48</u>	<u>9:52</u>	_____	_____
Volume Pumped	<u>250ml</u>	<u>12</u>	<u>22</u>	_____	_____
Water Level	_____	_____	_____	_____	_____
Temp. (°C)	<u>24.6</u>	<u>24.2</u>	<u>24.1</u>	_____	_____
Pumping Rate	<u>250ml/min</u>	<u>"</u>	<u>"</u>	_____	_____
DO. (mg/l)	_____	_____	_____	_____	_____
EC (µS/cm)	<u>11.5</u>	<u>11.8</u>	<u>11.7</u>	_____	_____
PH	<u>7.07</u>	<u>7.05</u>	<u>7.06</u>	_____	_____
ORP (mV)	_____	_____	_____	_____	_____
Turbidity (NTU)	<u>5</u>	<u>9</u>	<u>9</u>	_____	_____

Parameters taken with: Hanna Other Parameters: _____

Sampled at: 9:52 (time) Sample collection method: GED

Sample delivered to AETL by LW at _____

Sample #'s: _____ Other #'s: _____

Parameters Collected; Number of Bottles; Bottle Lot Number:

TPH-G.O
BTEX, MTBE, Fuel oxygenates

GROUNDWATER SAMPLING RECORD

Well ID: MW-3 Station #: _____ Project # 01204007.02

Facility Name: LB City tow yard Date: 6/11/05

Well Depth: 20 Depth to Water: 7.12 Well Diameter: 4"

Casing Material: pvc Volume Of Water per Well Volume: ✓

Sampling Crew: L Weaver

Equipment: QED Tubing Material: polyethylene Pump set at 15 ft.

Weather Conditions: Cloudy

NOTES: start 8:53 clear debris water

TIME	<u>8:53</u>	<u>8:57</u>	<u>9:01</u>	<u>9:05</u>	
Volume Pumped	<u>250ml</u>	<u>1.25L</u>	<u>2.25L</u>	<u>3.25L</u>	
Water Level					
Temp. (°C)	<u>23.9</u>	<u>23.8</u>	<u>23.7</u>	<u>24.0</u>	
Pumping Rate	<u>250ml/min</u>	<u>"</u>	<u>"</u>	<u>"</u>	
DO (mg/l)					
EC (αS/cm)	<u>4.31</u>	<u>4.16</u>	<u>4.55</u>	<u>4.42</u>	
PH	<u>6.83</u>	<u>7.00</u>	<u>7.08</u>	<u>7.04</u>	
ORP (mV)					
Turbidity (NTU)	<u>10</u>	<u>2</u>	<u>7</u>	<u>28</u>	

Parameters taken with: Hanna Other Parameters: _____

Sampled at: 9:05 (time) Sample collection method: QED

Sample delivered to AETL by LW at _____

Sample #'s: _____ Other #'s: _____

Parameters Collected; Number of Bottles; Bottle Lot Number:

<u>TPH-G.D</u>			
<u>BTEX, MTBE, Fuel oxygenates</u>			

APPENDIX F

ADVANCED TECHNOLOGY LABORATORIES ANALYTICAL REPORTS

August 09, 2005



Tara Holmes
SCS Engineers
3900 Kilroy Airport Way, Suite 100
Long Beach, CA 90806-6816

ELAP No.: 1838
NELAP No.: 02107CA
CSDLAC No.: 10196

TEL: (562) 426-9544
FAX: (562) 427-0805

Workorder No.: 077857

RE: LB CITY TOW YARD, 01204007.02

Attention: Tara Holmes

Enclosed are the results for sample(s) received on July 28, 2005 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.



CLIENT: SCS Engineers
Project: LB CITY TOW YARD, 01204007.02
Lab Order: 077857

CASE NARRATIVE

EPA 8260 analysis was performed using 5035 preservation requirements. Any high level dilutions were performed on a preserved methanol sample unless otherwise noted.



Advanced Technology Laboratories

Date: 09-Aug-05

CLIENT: SCS Engineers

Client Sample ID: MW3-6'

Lab Order: 077857

Project: LB CITY TOW YARD, 01204007.02

Collection Date: 7/27/2005 8:37:00 AM

Lab ID: 077857-001

Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
---------	--------	-----	------	-------	----	---------------

**HYDROCARBON CHAIN IDENTIFICATION
(LUFT)****EPA 8015B(M)**

RunID: GC8_050801B	QC Batch: 23702	PrepDate: 7/29/2005	Analyst: CBR		
T/R Hydrocarbons: C13-C22	16	10	mg/Kg	1	8/2/2005
T/R Hydrocarbons: C23-C32	24	10	mg/Kg	1	8/2/2005
T/R Hydrocarbons:>C32	ND	10	mg/Kg	1	8/2/2005

HYDROCARBON CHAIN IDENTIFICATION**EPA 8015B**

RunID: GC2_050802A	QC Batch: E05VS197	PrepDate:	Analyst: TT		
T/R Hydrocarbons: C4-C12	ND	1.0	mg/Kg	1	8/2/2005

VOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 8260B**

RunID: MS1_050805B	QC Batch: P05VS123	PrepDate: 7/27/2005	Analyst: MFR		
Benzene	5.1	4.7	µg/Kg	1	8/5/2005
Di-isopropyl ether	ND	4.7	µg/Kg	1	8/5/2005
Ethyl Tert-butyl ether	ND	4.7	µg/Kg	1	8/5/2005
Ethylbenzene	ND	4.7	µg/Kg	1	8/5/2005
m,p-Xylene	ND	9.5	µg/Kg	1	8/5/2005
MTBE	ND	4.7	µg/Kg	1	8/5/2005
o-Xylene	ND	4.7	µg/Kg	1	8/5/2005
Tert-amyl methyl ether	ND	4.7	µg/Kg	1	8/5/2005
Tert-Butanol	ND	95	µg/Kg	1	8/5/2005
Toluene	ND	4.7	µg/Kg	1	8/5/2005

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

DO - Surrogate Diluted Out

H-Samples exceeding holding time

Page 1 of 9

Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 09-Aug-05

CLIENT: SCS Engineers
Lab Order: 077857
Project: LB CITY TOW YARD, 01204007.02
Lab ID: 077857-002

Client Sample ID: MW3-9'
Collection Date: 7/27/2005 8:44:00 AM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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**HYDROCARBON CHAIN IDENTIFICATION
(LUFT)****EPA 8015B(M)**

RunID: GC8_050801B	QC Batch: 23702	PrepDate: 7/29/2005	Analyst: CBR		
T/R Hydrocarbons: C13-C22	35	10	mg/Kg	1	8/2/2005
T/R Hydrocarbons: C23-C32	18	10	mg/Kg	1	8/2/2005
T/R Hydrocarbons: >C32	ND	10	mg/Kg	1	8/2/2005

HYDROCARBON CHAIN IDENTIFICATION**EPA 8015B**

RunID: GC2_050802A	QC Batch: E05VS197	PrepDate:	Analyst: JT		
T/R Hydrocarbons: C4-C12	120	50	mg/Kg	50	8/2/2005

VOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 8260B**

RunID: MS1_050805B	QC Batch: P05VS123	PrepDate: 7/27/2005	Analyst: MFR		
Benzene	ND	240	µg/Kg	50	8/6/2005
Di-Isopropyl ether	ND	240	µg/Kg	50	8/6/2005
Ethyl Tert-butyl ether	ND	240	µg/Kg	50	8/6/2005
Ethylbenzene	520	240	µg/Kg	50	8/6/2005
m,p-Xylene	ND	490	µg/Kg	50	8/6/2005
MTBE	ND	240	µg/Kg	50	8/6/2005
o-Xylene	ND	240	µg/Kg	50	8/6/2005
Tert-amyl methyl ether	ND	240	µg/Kg	50	8/6/2005
Tert-Butanol	ND	4900	µg/Kg	50	8/6/2005
Toluene	ND	240	µg/Kg	50	8/6/2005

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H - Samples exceeding holding time

Page 2 of 9

Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 09-Aug-05

CLIENT: SCS Engineers

Client Sample ID: MW3-13'

Lab Order: 077857

Project: LB CITY TOW YARD, 01204007.02

Collection Date: 7/27/2005 9:06:00 AM

Lab ID: 077857-003

Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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HYDROCARBON CHAIN IDENTIFICATION

(LUFT)

EPA 8015B(M)

RunID: GC8_050801B	QC Batch: 23702	PrepDate: 7/29/2005	Analyst: CBR		
T/R Hydrocarbons: C13-C22	54	10	mg/Kg	1	8/2/2005
T/R Hydrocarbons: C23-C32	66	10	mg/Kg	1	8/2/2005
T/R Hydrocarbons:>C32	ND	10	mg/Kg	1	8/2/2005

HYDROCARBON CHAIN IDENTIFICATION

EPA 8015B

RunID: GC2_050802A	QC Batch: E05VS197	PrepDate:	Analyst: TT		
T/R Hydrocarbons: C4-C12	310	50	mg/Kg	50	8/2/2005

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS1_050805B	QC Batch: P05VS123	PrepDate: 7/27/2005	Analyst: MFR		
Benzene	300	290	µg/Kg	50	8/6/2005
Di-Isopropyl ether	ND	290	µg/Kg	50	8/6/2005
Ethyl Tert-butyl ether	ND	290	µg/Kg	50	8/6/2005
Ethylbenzene	13000	290	µg/Kg	50	8/6/2005
m,p-Xylene	6800	580	µg/Kg	50	8/6/2005
MTBE	ND	290	µg/Kg	50	8/6/2005
o-Xylene	ND	290	µg/Kg	50	8/6/2005
Tert-amyl methyl ether	ND	290	µg/Kg	50	8/6/2005
Tert-Butanol	ND	5800	µg/Kg	50	8/6/2005
Toluene	ND	290	µg/Kg	50	8/6/2005

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

DO - Surrogate Diluted Out

H-Samples exceeding holding time

Page 3 of 9

Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 09-Aug-05

CLIENT: SCS Engineers **Client Sample ID:** MW1-6'
Lab Order: 077857
Project: LB CITY TOW YARD, 01204007.02 **Collection Date:** 7/27/2005 11:20:00 AM
Lab ID: 077857-004 **Matrix:** SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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HYDROCARBON CHAIN IDENTIFICATION (LUFT)

EPA 8015B(M)

RunID: GC8_050801B	QC Batch: 23702	PrepDate: 7/29/2005	Analyst: CBR
T/R Hydrocarbons: C13-C22	14	10	mg/Kg
T/R Hydrocarbons: C23-C32	17	10	mg/Kg
T/R Hydrocarbons: >C32	ND	10	mg/Kg

HYDROCARBON CHAIN IDENTIFICATION

EPA 8015B

RunID: GC2_050802A	QC Batch: E05VS197	PrepDate:	Analyst: TT
T/R Hydrocarbons: C4-C12	ND	1.0	mg/Kg

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS1_050805B	QC Batch: P05VS123	PrepDate: 7/27/2005	Analyst: MFR
Benzene	ND	5.2	µg/Kg
Di-Isopropyl ether	ND	5.2	µg/Kg
Ethyl Tert-butyl ether	ND	5.2	µg/Kg
Ethylbenzene	ND	5.2	µg/Kg
m,p-Xylene	ND	10	µg/Kg
MTBE	ND	5.2	µg/Kg
o-Xylene	ND	5.2	µg/Kg
Tert-amyl methyl ether	ND	5.2	µg/Kg
Tert-Butanol	ND	100	µg/Kg
Toluene	ND	5.2	µg/Kg

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank E - Value above quantitation range
 DO - Surrogate Diluted Out H-Samples exceeding holding time

Results are wet unless otherwise specified

Page 4 of 9



Advanced Technology Laboratories

Date: 09-Aug-05

CLIENT: SCS Engineers Client Sample ID: MW1-9'
 Lab Order: 077857
 Project: LB CITY TOW YARD, 01204007.02 Collection Date: 7/27/2005 11:25:00 AM
 Lab ID: 077857-005 Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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HYDROCARBON CHAIN IDENTIFICATION (LUFT)

EPA 8015B(M)

RunID: GC8_050801B	QC Batch: 23702	PrepDate: 7/29/2005	Analyst: CBR
T/R Hydrocarbons: C13-C22	14	10	mg/Kg
T/R Hydrocarbons: C23-C32	17	10	mg/Kg
T/R Hydrocarbons:>C32	ND	10	mg/Kg

HYDROCARBON CHAIN IDENTIFICATION

EPA 8015B

RunID: GC2_050802A	QC Batch: E05VS197	PrepDate:	Analyst: TT
T/R Hydrocarbons: C4-C12	350	50	mg/Kg

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS1_050805B	QC Batch: P05VS123	PrepDate: 7/27/2005	Analyst: MFR
Benzene	ND	210	µg/Kg
Di-isopropyl ether	ND	210	µg/Kg
Ethyl Tert-butyl ether	ND	210	µg/Kg
Ethylbenzene	2900	210	µg/Kg
m,p-Xylene	6000	420	µg/Kg
MTBE	ND	210	µg/Kg
o-Xylene	1500	210	µg/Kg
Tert-amyl methyl ether	ND	210	µg/Kg
Tert-Butanol	ND	4200	µg/Kg
Toluene	ND	210	µg/Kg

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank E - Value above quantitation range
 DO - Surrogate Diluted Out H-Samples exceeding holding time

Results are wet unless otherwise specified

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Advanced Technology
Laboratories

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3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 09-Aug-05

CLIENT: SCS Engineers
Lab Order: 077857
Project: LB CITY TOW YARD, 01204007.02
Lab ID: 077857-006

Client Sample ID: MW1-13'
Collection Date: 7/27/2005 11:30:00 AM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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HYDROCARBON CHAIN IDENTIFICATION

(LUFT)

EPA 8015B(M)

RunID: GC8_050802B	QC Batch: 23720	PrepDate: 8/1/2005	Analyst: CBR		
T/R Hydrocarbons: C13-C22	16	10	mg/Kg	1	8/3/2005
T/R Hydrocarbons: C23-C32	17	10	mg/Kg	1	8/3/2005
T/R Hydrocarbons: >C32	ND	10	mg/Kg	1	8/3/2005

HYDROCARBON CHAIN IDENTIFICATION**EPA 8015B**

RunID: GC2_050802B	QC Batch: E05VS198	PrepDate:	Analyst: TT		
T/R Hydrocarbons: C4-C12	ND	1.0	mg/Kg	1	8/2/2005

VOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 8260B**

RunID: MS1_050805B	QC Batch: P05VS123	PrepDate: 7/27/2005	Analyst: MFR		
Benzene	ND	4.5	µg/Kg	1	8/5/2005
Di-isopropyl ether	ND	4.5	µg/Kg	1	8/5/2005
Ethyl Tert-butyl ether	ND	4.5	µg/Kg	1	8/5/2005
Ethylbenzene	ND	4.5	µg/Kg	1	8/5/2005
m,p-Xylene	ND	8.9	µg/Kg	1	8/5/2005
MTBE	ND	4.5	µg/Kg	1	8/5/2005
o-Xylene	ND	4.5	µg/Kg	1	8/5/2005
Tert-amyl methyl ether	ND	4.5	µg/Kg	1	8/5/2005
Tert-Butanol	ND	89	µg/Kg	1	8/5/2005
Toluene	ND	4.5	µg/Kg	1	8/5/2005

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 09-Aug-05

CLIENT: SCS Engineers

Client Sample ID: MW2-6'

Lab Order: 077857

Project: LB CITY TOW YARD, 01204007.02

Collection Date: 7/27/2005 1:47:00 PM

Lab ID: 077857-007

Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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**HYDROCARBON CHAIN IDENTIFICATION
(LUFT)****EPA 8015B(M)**

RunID: GC8_050802B	QC Batch: 23720	PrepDate: 8/1/2005	Analyst: CBR		
T/R Hydrocarbons: C13-C22	26	10	mg/Kg	1	8/3/2005
T/R Hydrocarbons: C23-C32	16	10	mg/Kg	1	8/3/2005
T/R Hydrocarbons: >C32	ND	10	mg/Kg	1	8/3/2005

HYDROCARBON CHAIN IDENTIFICATION**EPA 8015B**

RunID: GC2_050802B	QC Batch: E05VS198	PrepDate:	Analyst: TT		
T/R Hydrocarbons: C4-C12	ND	1.0	mg/Kg	1	8/2/2005

VOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 8260B**

RunID: MS1_050805B	QC Batch: P05VS123	PrepDate: 7/27/2005	Analyst: MFR		
Benzene	ND	4.7	µg/Kg	1	8/5/2005
Di-isopropyl ether	ND	4.7	µg/Kg	1	8/5/2005
Ethyl Tert-butyl ether	ND	4.7	µg/Kg	1	8/5/2005
Ethylbenzene	ND	4.7	µg/Kg	1	8/5/2005
m,p-Xylene	ND	9.3	µg/Kg	1	8/5/2005
MTBE	ND	4.7	µg/Kg	1	8/5/2005
o-Xylene	ND	4.7	µg/Kg	1	8/5/2005
Tert-amyl methyl ether	ND	4.7	µg/Kg	1	8/5/2005
Tert-Butanol	ND	93	µg/Kg	1	8/5/2005
Toluene	ND	4.7	µg/Kg	1	8/5/2005

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

DO - Surrogate Diluted Out

H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 09-Aug-05

CLIENT: SCS Engineers
Lab Order: 077857
Project: LB CITY TOW YARD, 01204007.02
Lab ID: 077857-008

Client Sample ID: MW2-9'
Collection Date: 7/27/2005 1:53:00 PM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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HYDROCARBON CHAIN IDENTIFICATION (LUFT)

EPA 8015B(M)

RunID: GC8_050802B	QC Batch: 23720	PrepDate: 8/1/2005	Analyst: CBR
T/R Hydrocarbons: C13-C22	28	10	mg/Kg
T/R Hydrocarbons: C23-C32	16	10	mg/Kg
T/R Hydrocarbons: >C32	ND	10	mg/Kg

HYDROCARBON CHAIN IDENTIFICATION

EPA 8015B

RunID: GC2_050802B	QC Batch: E05VS198	PrepDate:	Analyst: TT
T/R Hydrocarbons: C4-C12	330	50	mg/Kg

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS1_050805B	QC Batch: P05VS123	PrepDate: 7/27/2005	Analyst: MFR
Benzene	ND	230	µg/Kg
DI-isopropyl ether	ND	230	µg/Kg
Ethyl Tert-butyl ether	ND	230	µg/Kg
Ethylbenzene	9600	230	µg/Kg
m,p-Xylene	20000	450	µg/Kg
MTBE	ND	230	µg/Kg
o-Xylene	310	230	µg/Kg
Tert-amyl methyl ether	ND	230	µg/Kg
Tert-Butanol	ND	4500	µg/Kg
Toluene	ND	230	µg/Kg

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank E - Value above quantitation range
DO - Surrogate Diluted Out H-Samples exceeding holding time

Results are wet unless otherwise specified

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Laboratories

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Advanced Technology Laboratories

Date: 09-Aug-05

CLIENT:	SCS Engineers	Client Sample ID:	MW2-13'
Lab Order:	077857		
Project:	LB CITY TOW YARD, 01204007.02	Collection Date:	7/27/2005 2:03:00 PM
Lab ID:	077857-009	Matrix:	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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**HYDROCARBON CHAIN IDENTIFICATION
(LUFT)****EPA 8015B(M)**

RunID: GC8_050802B	QC Batch: 23720	PrepDate: 8/1/2005	Analyst: CBR		
T/R Hydrocarbons: C13-C22	13	10	mg/Kg	1	8/3/2005
T/R Hydrocarbons: C23-C32	13	10	mg/Kg	1	8/3/2005
T/R Hydrocarbons: >C32	ND	10	mg/Kg	1	8/3/2005

HYDROCARBON CHAIN IDENTIFICATION**EPA 8015B**

RunID: GC2_050802B	QC Batch: E05VS198	PrepDate:	Analyst: TT		
T/R Hydrocarbons: C4-C12	ND	1.0	mg/Kg	1	8/3/2005

VOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 8260B**

RunID: MS1_050805B	QC Batch: P05VS123	PrepDate: 7/27/2005	Analyst: MFR		
Benzene	ND	4.3	µg/Kg	1	8/6/2005
Di-isopropyl ether	ND	4.3	µg/Kg	1	8/6/2005
Ethyl Tert-butyl ether	ND	4.3	µg/Kg	1	8/6/2005
Ethylbenzene	ND	4.3	µg/Kg	1	8/6/2005
m,p-Xylene	ND	8.5	µg/Kg	1	8/6/2005
MTBE	ND	4.3	µg/Kg	1	8/6/2005
o-Xylene	ND	4.3	µg/Kg	1	8/6/2005
Tert-amyl methyl ether	ND	4.3	µg/Kg	1	8/6/2005
Tert-Butanol	ND	85	µg/Kg	1	8/6/2005
Toluene	ND	4.3	µg/Kg	1	8/6/2005

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
	I - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	E - Value above quantitation range
	DO - Surrogate Diluted Out	H-Samples exceeding holding time

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Results are wet unless otherwise specified





CLIENT: SCS Engineers
 Work Order: 077857
 Project: LB CITY TOW YARD, 01204007.02

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S_5035

Sample ID: P050805MB4	SampType: MBLK	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:	Run ID: MS1_050805B						
Client ID: ZZZZZ	Batch ID: P05VS123	TestNo: EPA 8260B		Analysis Date: 8/5/2005	SeqNo: 773841						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	5.0			-						
DI-isopropyl ether	ND	5.0									
Ethyl Tert-butyl ether	ND	5.0									
Ethylbenzene	ND	5.0									
m,p-Xylene	ND	10									
MTBE	ND	5.0									
o-Xylene	ND	5.0									
Tert-amyl methyl ether	ND	5.0									
Tert-Butanol	ND	100									
Toluene	ND	5.0									
Surr: 1,2-Dichloroethane-d4	49.35	5.0	50	0	98.7	66	149	0	0		
Surr: 4-Bromofluorobenzene	48.63	5.0	50	0	97.3	83	125	0	0		
Surr: Dibromofluoromethane	50.06	5.0	50	0	100	75	139	0	0		
Surr: Toluene-d8	51.38	5.0	50	0	103	87	133	0	0		

Sample ID: P050805LC2	SampType: LCS	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:	Run ID: MS1_050805B						
Client ID: ZZZZZ	Batch ID: P05VS123	TestNo: EPA 8260B		Analysis Date: 8/5/2005	SeqNo: 773838						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	96.02	5.0	100	0	96	80	121	0	0		
MTBE	87.19	5.0	100	0	87.2	59	126	0	0		
Toluene	94.75	5.0	100	0	94.8	84	126	0	0		
Surr: 1,2-Dichloroethane-d4	46.2	5.0	50	0	92.4	66	149	0	0		
Surr: 4-Bromofluorobenzene	52	5.0	50	0	104	83	125	0	0		
Surr: Dibromofluoromethane	47.88	5.0	50	0	95.8	75	139	0	0		
Surr: Toluene-d8	51.75	5.0	50	0	104	87	133	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits
 B - Analyte detected in the associated Method Blank
 Calculations are based on raw values

DO- Surrogate dilute out
 H - Sample exceeded holding time



CLIENT: SCS Engineers
 Work Order: 077857
 Project: LB CITY TOW YARD, 01204007.02

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S_5035

Sample ID: P050805MB4MS		SampType: MS		TestCode: 8260_S_5035		Units: µg/Kg		Prep Date:		Run ID: MS1_050805B	
Client ID: ZZZZZ		Batch ID: P05VS123		TestNo: EPA 8260B		Analysis Date: 8/5/2005		SeqNo: 773839			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	96.6	5.0	100	0	96.6	52	143	0	0		
MTBE	89.44	5.0	100	0	89.4	34	156	0	0		
Toluene	95.43	5.0	100	1.47	94	54	146	0	0		
Surr: 1,2-Dichloroethane-d4	47.58	5.0	50	0	95.2	66	149	0	0		
Surr: 4-Bromofluorobenzene	51.65	5.0	50	0	103	83	125	0	0		
Surr: Dibromofluoromethane	47.23	5.0	50	0	94.5	75	139	0	0		
Surr: Toluene-d8	51.68	5.0	50	0	103	87	133	0	0		

Sample ID: P050805MB4MSD		SampType: MSD		TestCode: 8260_S_5035		Units: µg/Kg		Prep Date:		Run ID: MS1_050805B	
Client ID: ZZZZZ		Batch ID: P05VS123		TestNo: EPA 8260B		Analysis Date: 8/5/2005		SeqNo: 773840			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	98.57	5.0	100	0	98.6	52	143	96.6	2.02	30	
MTBE	91.83	5.0	100	0	91.8	34	156	89.44	2.64	30	
Toluene	98.86	5.0	100	1.47	97.4	54	146	95.43	3.53	30	
Surr: 1,2-Dichloroethane-d4	47.91	5.0	50	0	95.8	66	149	0	0	30	
Surr: 4-Bromofluorobenzene	54.35	5.0	50	0	109	83	125	0	0	30	
Surr: Dibromofluoromethane	49.61	5.0	50	0	99.2	75	139	0	0	30	
Surr: Toluene-d8	51.92	5.0	50	0	104	87	133	0	0	30	

Qualifiers:

ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits
 B - Analyte detected in the associated Method Blank
 Calculations are based on raw values

DO- Surrogate dilute out
 H - Sample exceeded holding time



Advanced Technology
Laboratories

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CLIENT: SCS Engineers
Work Order: 077857
Project: LB CITY TOW YARD, 01204007.02

ANALYTICAL QC SUMMARY REPORT

TestCode: HC_S_VOAC4C12

Sample ID: E080205MB1		SampType: MBLK	TestCode: HC_S_VOAC Units: mg/Kg			Prep Date:			Run ID: GC2_050802A		
Client ID: ZZZZZ		Batch ID: E05VS197	TestNo: EPA 8015B			Analysis Date: 8/2/2005			SeqNo: 771818		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C4-C12	ND	1.0									
Surr: Bromofluorobenzene (FID)	71.21	1.0	100	0	71.2	35	139	0	0		
Sample ID: E080205MB2		SampType: MBLK	TestCode: HC_S_VOAC Units: mg/Kg			Prep Date:			Run ID: GC2_050802B		
Client ID: ZZZZZ		Batch ID: E05VS198	TestNo: EPA 8015B			Analysis Date: 8/2/2005			SeqNo: 772015		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C4-C12	ND	1.0									
Surr: Bromofluorobenzene (FID)	71.55	1.0	100	0	71.6	35	139	0	0		
Sample ID: E080205LCS1		SampType: LCS	TestCode: HC_S_VOAC Units: mg/Kg			Prep Date:			Run ID: GC2_050802A		
Client ID: ZZZZZ		Batch ID: E05VS197	TestNo: EPA 8015B			Analysis Date: 8/2/2005			SeqNo: 771809		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C4-C12	5.564	1.0	5	0	111	79	117	0	0		
Surr: Bromofluorobenzene (FID)	88.53	1.0	100	0	88.5	35	139	0	0		
Sample ID: E080205LCS3		SampType: LCS	TestCode: HC_S_VOAC Units: mg/Kg			Prep Date:			Run ID: GC2_050802B		
Client ID: ZZZZZ		Batch ID: E05VS198	TestNo: EPA 8015B			Analysis Date: 8/3/2005			SeqNo: 772023		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C4-C12	5.497	1.0	5	0	110	79	117	0	0		
Surr: Bromofluorobenzene (FID)	87.65	1.0	100	0	87.7	35	139	0	0		
Sample ID: 077854-025AMS		SampType: MS	TestCode: HC_S_VOAC Units: mg/Kg			Prep Date:			Run ID: GC2_050802A		
Client ID: ZZZZZ		Batch ID: E05VS197	TestNo: EPA 8015B			Analysis Date: 8/2/2005			SeqNo: 771811		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C4-C12	4.88	1.0	5	0	97.6	35	134	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits DO- Surrogate dilute out
 J - Analyte detected below quantitation limits B - Analyte detected in the associated Method Blank H - Sample exceeded holding time
 R - RPD outside accepted recovery limits Calculations are based on raw values



CLIENT: SCS Engineers
Work Order: 077857
Project: LB CITY TOW YARD, 01204007.02

ANALYTICAL QC SUMMARY REPORT**TestCode:** HC_S_VOAC4C12

Sample ID: 077854-025AMS	SampType: MS	TestCode: HC_S_VOAC	Units: mg/Kg	Prep Date:	Run ID: GC2_050802A						
Client ID: ZZZZZ	Batch ID: E05VS197	TestNo: EPA 8015B		Analysis Date: 8/2/2005	SeqNo: 771811						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Bromofluorobenzene (FID)	87.42	1.0	100	0	87.4	35	139	0	0		

Sample ID: 077852-031AMS	SampType: MS	TestCode: HC_S_VOAC	Units: mg/Kg	Prep Date:	Run ID: GC2_050802B						
Client ID: ZZZZZ	Batch ID: E05VS198	TestNo: EPA 8015B		Analysis Date: 8/3/2005	SeqNo: 772021						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C4-C12	4.962	1.0	5	0	99.2	35	134	0	0		
Surr: Bromofluorobenzene (FID)	85.88	1.0	100	0	85.9	35	139	0	0		

Sample ID: 077854-025AMSD	SampType: MSD	TestCode: HC_S_VOAC	Units: mg/Kg	Prep Date:	Run ID: GC2_050802A						
Client ID: ZZZZZ	Batch ID: E05VS197	TestNo: EPA 8015B		Analysis Date: 8/2/2005	SeqNo: 771812						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C4-C12	5.178	1.0	5	0	104	35	134	4.88	5.93	30	
Surr: Bromofluorobenzene (FID)	88.7	1.0	100	0	88.7	35	139	0	0	0	

Sample ID: 077852-031AMSD	SampType: MSD	TestCode: HC_S_VOAC	Units: mg/Kg	Prep Date:	Run ID: GC2_050802B						
Client ID: ZZZZ	Batch ID: E05VS198	TestNo: EPA 8015B		Analysis Date: 8/3/2005	SeqNo: 772022						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C4-C12	4.74	1.0	5	0	94.8	35	134	4.962	4.58	30	
Surr: Bromofluorobenzene (FID)	82.9	1.0	100	0	82.9	35	139	0	0	0	

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits
 B - Analyte detected in the associated Method Blank
 Calculations are based on raw values

DO - Surrogate dilute out
 H - Sample exceeded holding time



CLIENT: SCS Engineers
Work Order: 077857
Project: LB CITY TOW YARD, 01204007.02

ANALYTICAL QC SUMMARY REPORT

TestCode: HC_S_SEMI

Sample ID: MB-23702	SampType: MBLK	TestCode: HC_S_SEMI	Units: mg/Kg	Prep Date: 7/29/2005	Run ID: GC8_050801B						
Client ID: ZZZZZ	Batch ID: 23702	TestNo: EPA 8015B(M (LUFT)		Analysis Date: 8/1/2005	SeqNo: 772086						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C13-C22	ND	10									
T/R Hydrocarbons: C23-C32	ND	10									
T/R Hydrocarbons:>C32	ND	10									
Surr: p-Terphenyl	87.78	0	80	0	110	51	128	0	0		

Sample ID: MB-23720	SampType: MBLK	TestCode: HC_S_SEMI	Units: mg/Kg	Prep Date: 8/1/2005	Run ID: GC8_050802B						
Client ID: ZZZZZ	Batch ID: 23720	TestNo: EPA 8015B(M (LUFT)		Analysis Date: 8/2/2005	SeqNo: 772641						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C13-C22	ND	10									
T/R Hydrocarbons: C23-C32	ND	10									
T/R Hydrocarbons:>C32	ND	10									
Surr: p-Terphenyl	91.69	0	80	0	115	51	128	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values

DO- Surrogate dilute out
H - Sample exceeded holding time



CLIENT: SCS Engineers
 Work Order: 077857
 Project: LB CITY TOW YARD, 01204007.02

ANALYTICAL QC SUMMARY REPORT

BatchID: 23702

Sample ID: LCS-23702	SampType: LCS	TestCode: 8015_S_DM	Units: mg/Kg	Prep Date: 7/29/2005	Run ID: GC8_050801B						
Client ID: ZZZZZ	Batch ID: 23702	TestNo: EPA 8015B(M (LUFT)		Analysis Date: 8/1/2005	SeqNo: 772081						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	1177	10	1000	0	118	68	126	0	0		
Surr: p-Terphenyl	90.15	0	80	0	113	51	128	0	0		

Sample ID: 077849-005GMS	SampType: MS	TestCode: 8015_S_DM	Units: mg/Kg	Prep Date: 7/29/2005	Run ID: GC8_050801B						
Client ID: ZZZZZ	Batch ID: 23702	TestNo: EPA 8015B(M (LUFT)		Analysis Date: 8/1/2005	SeqNo: 772083						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	1176	10	1000	16.94	116	49	139	0	0		
Surr: p-Terphenyl	85.42	0	80	0	107	51	128	0	0		

Sample ID: 077849-005GMSD	SampType: MSD	TestCode: 8015_S_DM	Units: mg/Kg	Prep Date: 7/29/2005	Run ID: GC8_050801B						
Client ID: ZZZZZ	Batch ID: 23702	TestNo: EPA 8015B(M (LUFT)		Analysis Date: 8/1/2005	SeqNo: 772084						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	1195	10	1000	16.94	118	49	139	1176	1.53	30	
Surr: p-Terphenyl	92.2	0	80	0	115	51	128	0	0	30	

Sample ID: LCS-23702	SampType: LCS	TestCode: 8015_S_DSL	Units: mg/Kg	Prep Date: 7/29/2005	Run ID: GC8_050801B						
Client ID: ZZZZZ	Batch ID: 23702	TestNo: EPA 8015B(M (LUFT)		Analysis Date: 8/1/2005	SeqNo: 771499						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	1177	10	1000	0	118	68	126	0	0		
Surr: p-Terphenyl	90.15	0	80	0	113	51	128	0	0		

Sample ID: 077849-005GMS	SampType: MS	TestCode: 8015_S_DSL	Units: mg/Kg	Prep Date: 7/29/2005	Run ID: GC8_050801B						
Client ID: ZZZZZ	Batch ID: 23702	TestNo: EPA 8015B(M (LUFT)		Analysis Date: 8/1/2005	SeqNo: 771501						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 R - RPD outside accepted recovery limits

S - Spike/Surrogate outside limits due to matrix interference
 B - Analyte detected in the associated Method Blank
 Calculations are based on raw values

DO - Surrogate diluted out
 H - Sample exceeded holding time



CLIENT: SCS Engineers
 Work Order: 077857
 Project: LB CITY TOW YARD, 01204007.02

ANALYTICAL QC SUMMARY REPORT

BatchID: 23702

Sample ID: 077849-005GMS	SampType: MS	TestCode: 8015_S_DSL	Units: mg/Kg	Prep Date: 7/29/2005	Run ID: GC8_050801B						
Client ID: ZZZZZ	Batch ID: 23702	TestNo: EPA 8015B(M (LUFT)	Analysis Date: 8/1/2005	SeqNo: 771501							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	1176	10	1000	16.94	116	49	139	0	0		
Surr: p-Terphenyl	85.42	0	80	0	107	51	128	0	0		

Sample ID: 077849-005GMSD	SampType: MSD	TestCode: 8015_S_DSL	Units: mg/Kg	Prep Date: 7/29/2005	Run ID: GC8_050801B						
Client ID: ZZZZZ	Batch ID: 23702	TestNo: EPA 8015B(M (LUFT)		Analysis Date: 8/1/2005	SeqNo: 771502						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	1195	10	1000	16.94	118	49	139	1176	1.53	30	
Surr: p-Terphenyl	92.2	0	80	0	115	51	128	0	0	0	

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 R - RPD outside accepted recovery limits

S - Spike/Surrogate outside limits due to matrix interference
 B - Analyte detected in the associated Method Blank
 Calculations are based on raw values

DO - Surrogate diluted out
 H - Sample exceeded holding time



CLIENT: SCS Engineers
Work Order: 077857
Project: LB CITY TOW YARD, 01204007.02

ANALYTICAL QC SUMMARY REPORT**BatchID: 23720**

Sample ID: LCS-23720		SampType: LCS		TestCode: 8015_S_DM		Units: mg/Kg		Prep Date: 8/1/2005		Run ID: GC8_050802B	
Client ID: ZZZZZ		Batch ID: 23720		TestNo: EPA 8015B(M (LUFT)		Analysis Date: 8/3/2005		SeqNo: 772615			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	1069	10	1000	0	107	68	126	0	0		
Surr: p-Terphenyl	87.63	0	80	0	110	51	128	0	0		

Sample ID: 077870-066AMS		SampType: MS		TestCode: 8015_S_DM		Units: mg/Kg		Prep Date: 8/1/2005		Run ID: GC8_050802B	
Client ID: ZZZZZ		Batch ID: 23720		TestNo: EPA 8015B(M (LUFT)		Analysis Date: 8/3/2005		SeqNo: 772617			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	1190	10	1000	19.65	117	49	139	0	0		
Surr: p-Terphenyl	87.82	0	80	0	110	51	128	0	0		

Sample ID: 077870-066AMSD		SampType: MSD		TestCode: 8015_S_DM		Units: mg/Kg		Prep Date: 8/1/2005		Run ID: GC8_050802B	
Client ID: ZZZZZ		Batch ID: 23720		TestNo: EPA 8015B(M (LUFT)		Analysis Date: 8/3/2005		SeqNo: 772618			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	1101	10	1000	19.65	108	49	139	1190	7.75	30	
Surr: p-Terphenyl	80	0	80	0	100	51	128	0	0	30	

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits

S - Spike/Surrogate outside limits due to matrix interference
B - Analyte detected in the associated Method Blank
Calculations are based on raw values

DO - Surrogate diluted out
H - Sample exceeded holding time

June 28, 2005



Kevin Green
SCS Engineers
3900 Kilroy Airport Way, Suite 100
Long Beach, CA 90806-6816

ELAP No.: 1838
NELAP No.: 02107CA
CSDLAC No.: 10196

TEL: (562) 426-9544
FAX: (562) 427-0805

Workorder No.: 077300

RE: Long Beach City Tow Yard, 01204007.02

Attention: Kevin Green

Enclosed are the results for sample(s) received on June 22, 2005 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.



CLIENT: SCS Engineers
Project: Long Beach City Tow Yard, 01204007.02
Lab Order: 077300

CASE NARRATIVE

All volatile analyses were performed using 5035 preservation requirements. Any high level dilutions were performed on a preserved methanol sample unless otherwise noted.



Advanced Technology Laboratories

Date: 28-Jun-05

CLIENT: SCS Engineers **Client Sample ID:** SCSB7-5'
Lab Order: 077300
Project: Long Beach City Tow Yard, 01204007.02 **Collection Date:** 6/21/2005
Lab ID: 077300-001 **Matrix:** SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC1_050624A QC Batch: D05VS122 PrepDate: 6/21/2005 Analyst: TT
 GRO ND 40 mg/Kg 50 5/24/2005

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS1_050624A	QC Batch: P05VS095	PrepDate: 6/21/2005	Analyst: HH
1,1,1,2-Tetrachloroethane	ND	3.8	µg/Kg 1 6/24/2005
1,1,1-Trichloroethane	ND	3.8	µg/Kg 1 6/24/2005
1,1,2,2-Tetrachloroethane	ND	3.8	µg/Kg 1 6/24/2005
1,1,2-Trichloroethane	ND	3.8	µg/Kg 1 6/24/2005
1,1-Dichloroethane	ND	3.8	µg/Kg 1 6/24/2005
1,1-Dichloroethene	ND	3.8	µg/Kg 1 6/24/2005
1,1-Dichloropropene	ND	3.8	µg/Kg 1 6/24/2005
1,2,3-Trichlorobenzene	ND	3.8	µg/Kg 1 6/24/2005
1,2,3-Trichloropropane	ND	3.8	µg/Kg 1 6/24/2005
1,2,4-Trichlorobenzene	ND	3.8	µg/Kg 1 6/24/2005
1,2,4-Trimethylbenzene	ND	3.8	µg/Kg 1 6/24/2005
1,2-Dibromo-3-chloropropane	ND	7.6	µg/Kg 1 6/24/2005
1,2-Dibromoethane	ND	3.8	µg/Kg 1 6/24/2005
1,2-Dichlorobenzene	ND	3.8	µg/Kg 1 6/24/2005
1,2-Dichloroethane	ND	3.8	µg/Kg 1 6/24/2005
1,2-Dichloropropane	ND	3.8	µg/Kg 1 6/24/2005
1,3,5-Trimethylbenzene	ND	3.8	µg/Kg 1 6/24/2005
1,3-Dichlorobenzene	ND	3.8	µg/Kg 1 6/24/2005
1,3-Dichloropropane	ND	3.8	µg/Kg 1 6/24/2005
1,4-Dichlorobenzene	ND	3.8	µg/Kg 1 6/24/2005
2,2-Dichloropropane	ND	3.8	µg/Kg 1 6/24/2005
2-Chlorotoluene	ND	3.8	µg/Kg 1 6/24/2005
4-Chlorotoluene	ND	3.8	µg/Kg 1 6/24/2005
4-Isopropyltoluene	ND	3.8	µg/Kg 1 6/24/2005
Benzene	ND	3.8	µg/Kg 1 6/24/2005
Bromobenzene	ND	3.8	µg/Kg 1 6/24/2005
Bromodichloromethane	ND	3.8	µg/Kg 1 6/24/2005
Bromoform	ND	3.8	µg/Kg 1 6/24/2005
Bromomethane	ND	3.8	µg/Kg 1 6/24/2005
Carbon tetrachloride	ND	3.8	µg/Kg 1 6/24/2005
Chlorobenzene	ND	3.8	µg/Kg 1 6/24/2005

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank E - Value above quantitation range
 DO - Surrogate Diluted Out H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 28-Jun-05

CLIENT: SCS Engineers Client Sample ID: SCSB7-5'
 Lab Order: 077300
 Project: Long Beach City Tow Yard, 01204007.02 Collection Date: 6/21/2005
 Lab ID: 077300-001 Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS1_050624A	QC Batch: P05VS095	PrepDate: 6/21/2005	Analyst: HH		
Chloroethane	ND	3.8	µg/Kg	1	6/24/2005
Chloroform	ND	3.8	µg/Kg	1	6/24/2005
Chloromethane	ND	3.8	µg/Kg	1	6/24/2005
cis-1,2-Dichloroethene	ND	3.8	µg/Kg	1	6/24/2005
cis-1,3-Dichloropropene	ND	3.8	µg/Kg	1	6/24/2005
Di-isopropyl ether	ND	3.8	µg/Kg	1	6/24/2005
Dibromochloromethane	ND	3.8	µg/Kg	1	6/24/2005
Dibromomethane	ND	3.8	µg/Kg	1	6/24/2005
Dichlorodifluoromethane	ND	3.8	µg/Kg	1	6/24/2005
Ethyl Tert-butyl ether	ND	3.8	µg/Kg	1	6/24/2005
Ethylbenzene	ND	3.8	µg/Kg	1	6/24/2005
Hexachlorobutadiene	ND	3.8	µg/Kg	1	6/24/2005
Isopropylbenzene	ND	3.8	µg/Kg	1	6/24/2005
m,p-Xylene	ND	7.6	µg/Kg	1	6/24/2005
Methylene chloride	ND	3.8	µg/Kg	1	6/24/2005
MTBE	ND	3.8	µg/Kg	1	6/24/2005
n-Butylbenzene	ND	3.8	µg/Kg	1	6/24/2005
n-Propylbenzene	ND	3.8	µg/Kg	1	6/24/2005
Naphthalene	ND	3.8	µg/Kg	1	6/24/2005
o-Xylene	ND	3.8	µg/Kg	1	6/24/2005
sec-Butylbenzene	ND	3.8	µg/Kg	1	6/24/2005
Styrene	ND	3.8	µg/Kg	1	6/24/2005
Tert-amyl methyl ether	ND	3.8	µg/Kg	1	6/24/2005
Tert-Butanol	ND	76	µg/Kg	1	6/24/2005
tert-Butylbenzene	ND	3.8	µg/Kg	1	6/24/2005
Tetrachloroethene	ND	3.8	µg/Kg	1	6/24/2005
Toluene	ND	3.8	µg/Kg	1	6/24/2005
trans-1,2-Dichloroethene	ND	3.8	µg/Kg	1	6/24/2005
Trichloroethene	ND	3.8	µg/Kg	1	6/24/2005
Trichlorofluoromethane	ND	3.8	µg/Kg	1	6/24/2005
Vinyl chloride	ND	3.8	µg/Kg	1	6/24/2005

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank E - Value above quantitation range
 DO - Surrogate Diluted Out H-Samples exceeding holding time

Results are wet unless otherwise specified

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Advanced Technology
Laboratories

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3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 28-Jun-05

CLIENT: SCS Engineers Client Sample ID: SCSB7-10'
 Lab Order: 077300
 Project: Long Beach City Tow Yard, 01204007.02 Collection Date: 6/21/2005
 Lab ID: 077300-002 Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC1_050624A QC Batch: D05VS122 PrepDate: 6/21/2005 Analyst: TT
 GRO 310 39 mg/Kg 50 6/24/2005

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID:	MS1_050627A	QC Batch:	P05VS086	PrepDate:	6/21/2005	Analyst:	HH
1,1,1,2-Tetrachloroethane	ND	190	µg/Kg	50	6/27/2005		
1,1,1-Trichloroethane	ND	190	µg/Kg	50	6/27/2005		
1,1,2,2-Tetrachloroethane	ND	190	µg/Kg	50	6/27/2005		
1,1,2-Trichloroethane	ND	190	µg/Kg	50	6/27/2005		
1,1-Dichloroethane	ND	190	µg/Kg	50	6/27/2005		
1,1-Dichloroethene	ND	190	µg/Kg	50	6/27/2005		
1,1-Dichloropropene	ND	190	µg/Kg	50	6/27/2005		
1,2,3-Trichlorobenzene	ND	190	µg/Kg	50	6/27/2005		
1,2,3-Trichloropropane	ND	190	µg/Kg	50	6/27/2005		
1,2,4-Trichlorobenzene	ND	190	µg/Kg	50	6/27/2005		
1,2,4-Trimethylbenzene	1800	190	µg/Kg	50	6/27/2005		
1,2-Dibromo-3-chloropropane	ND	380	µg/Kg	50	6/27/2005		
1,2-Dibromoethane	ND	190	µg/Kg	50	6/27/2005		
1,2-Dichlorobenzene	ND	190	µg/Kg	50	6/27/2005		
1,2-Dichloroethane	ND	190	µg/Kg	50	6/27/2005		
1,2-Dichloropropane	ND	190	µg/Kg	50	6/27/2005		
1,3,5-Trimethylbenzene	930	190	µg/Kg	50	6/27/2005		
1,3-Dichlorobenzene	ND	190	µg/Kg	50	6/27/2005		
1,3-Dichloropropane	ND	190	µg/Kg	50	6/27/2005		
1,4-Dichlorobenzene	ND	190	µg/Kg	50	6/27/2005		
2,2-Dichloropropane	ND	190	µg/Kg	50	6/27/2005		
2-Chlorotoluene	ND	190	µg/Kg	50	6/27/2005		
4-Chlorotoluene	ND	190	µg/Kg	50	6/27/2005		
4-Isopropyltoluene	390	190	µg/Kg	50	6/27/2005		
Benzene	ND	190	µg/Kg	50	6/27/2005		
Bromobenzene	ND	190	µg/Kg	50	6/27/2005		
Bromodichloromethane	ND	190	µg/Kg	50	6/27/2005		
Bromoform	ND	190	µg/Kg	50	6/27/2005		
Bromomethane	ND	190	µg/Kg	50	6/27/2005		
Carbon tetrachloride	ND	190	µg/Kg	50	6/27/2005		
Chlorobenzene	ND	190	µg/Kg	50	6/27/2005		

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank E - Value above quantitation range
 DO - Surrogate Diluted Out H-Samples exceeding holding time

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Results are wet unless otherwise specified



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3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 28-Jun-05

CLIENT: SCS Engineers Client Sample ID: SCSB7-10'
 Lab Order: 077300
 Project: Long Beach City Tow Yard, 01204007.02 Collection Date: 6/21/2005
 Lab ID: 077300-002 Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS1_050627A	QC Batch: P05VS096	PrepDate: 6/21/2005	Analyst: HH		
Chloroethane	ND	190	µg/Kg	50	6/27/2005
Chloroform	ND	190	µg/Kg	50	6/27/2005
Chloromethane	ND	190	µg/Kg	50	6/27/2005
cis-1,2-Dichloroethene	ND	190	µg/Kg	50	6/27/2005
cis-1,3-Dichloropropene	ND	190	µg/Kg	50	6/27/2005
Di-isopropyl ether	ND	190	µg/Kg	50	6/27/2005
Dibromochloromethane	ND	190	µg/Kg	50	6/27/2005
Dibromomethane	ND	190	µg/Kg	50	6/27/2005
Dichlorodifluoromethane	ND	190	µg/Kg	50	6/27/2005
Ethyl Tert-butyl ether	ND	190	µg/Kg	50	6/27/2005
Ethylbenzene	1500	190	µg/Kg	50	6/27/2005
Hexachlorobutadiene	ND	190	µg/Kg	50	6/27/2005
Isopropylbenzene	1100	190	µg/Kg	50	6/27/2005
m,p-Xylene	400	390	µg/Kg	50	6/27/2005
Methylene chloride	ND	190	µg/Kg	50	6/27/2005
MTBE	ND	190	µg/Kg	50	6/27/2005
n-Butylbenzene	2400	190	µg/Kg	50	6/27/2005
n-Propylbenzene	4000	190	µg/Kg	50	6/27/2005
Naphthalene	2500	190	µg/Kg	50	6/27/2005
o-Xylene	ND	190	µg/Kg	50	6/27/2005
sec-Butylbenzene	690	190	µg/Kg	50	6/27/2005
Styrene	ND	190	µg/Kg	50	6/27/2005
Tert-amyl methyl ether	ND	190	µg/Kg	50	6/27/2005
Tert-Butanol	ND	3900	µg/Kg	50	6/27/2005
tert-Butylbenzene	ND	190	µg/Kg	50	6/27/2005
Tetrachloroethene	ND	190	µg/Kg	50	6/27/2005
Toluene	ND	190	µg/Kg	50	6/27/2005
trans-1,2-Dichloroethene	ND	190	µg/Kg	50	6/27/2005
Trichloroethene	ND	190	µg/Kg	50	6/27/2005
Trichlorofluoromethane	ND	190	µg/Kg	50	6/27/2005
Vinyl chloride	ND	190	µg/Kg	50	6/27/2005

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank E - Value above quantitation range
 DO - Surrogate Diluted Out H-Samples exceeding holding time

Results are wet unless otherwise specified

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Advanced Technology
Laboratories

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3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 28-Jun-05

CLIENT: SCS Engineers

Client Sample ID: SCSB7-GW

Lab Order: 077300

Project: Long Beach City Tow Yard, 01204007.02

Collection Date: 6/21/2005

Lab ID: 077300-003

Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC6_050624A	QC Batch: I05VW121	PrepDate:	Analyst: MFR
GRO	6.8	0.20	mg/L
		1	6/24/2005

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS11_050628A	QC Batch: A05VW187	PrepDate:	Analyst: MFR
1,1,1,2-Tetrachloroethane	ND	5.0	µg/L
1,1,1-Trichloroethane	ND	5.0	µg/L
1,1,2,2-Tetrachloroethane	ND	5.0	µg/L
1,1,2-Trichloroethane	ND	5.0	µg/L
1,1-Dichloroethane	ND	5.0	µg/L
1,1-Dichloroethene	ND	5.0	µg/L
1,1-Dichloropropene	ND	5.0	µg/L
1,2,3-Trichlorobenzene	ND	5.0	µg/L
1,2,3-Trichloropropane	ND	5.0	µg/L
1,2,4-Trichlorobenzene	ND	5.0	µg/L
1,2,4-Trimethylbenzene	81	5.0	µg/L
1,2-Dibromo-3-chloropropane	ND	5.0	µg/L
1,2-Dibromoethane	ND	5.0	µg/L
1,2-Dichlorobenzene	ND	5.0	µg/L
1,2-Dichloroethane	ND	5.0	µg/L
1,2-Dichloropropane	ND	5.0	µg/L
1,3,5-Trimethylbenzene	43	5.0	µg/L
1,3-Dichlorobenzene	ND	5.0	µg/L
1,3-Dichloropropane	ND	5.0	µg/L
1,4-Dichlorobenzene	ND	5.0	µg/L
2,2-Dichloropropane	ND	5.0	µg/L
2-Chlorotoluene	ND	5.0	µg/L
4-Chlorotoluene	ND	5.0	µg/L
4-Isopropyltoluene	8.6	5.0	µg/L
Benzene	340	50	µg/L
Bromobenzene	ND	5.0	µg/L
Bromodichloromethane	ND	5.0	µg/L
Bromoform	ND	5.0	µg/L
Bromomethane	ND	5.0	µg/L
Carbon tetrachloride	ND	5.0	µg/L
Chlorobenzene	ND	5.0	µg/L

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank E - Value above quantitation range
 DO - Surrogate Diluted Out H-Samples exceeding holding time

Results are wet unless otherwise specified

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Advanced Technology Laboratories

Date: 28-Jun-05

CLIENT: SCS Engineers **Client Sample ID:** SCSB7-GW
Lab Order: 077300
Project: Long Beach City Tow Yard, 01204007.02 **Collection Date:** 6/21/2005
Lab ID: 077300-003 **Matrix:** WATER

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID:	MS11_050628A	QC Batch:	A05VW187	PrepDate:	Analyst:	MFR
Chloroethane	ND	5.0	µg/L	1	6/28/2005	
Chloroform	ND	5.0	µg/L	1	6/28/2005	
Chloromethane	ND	5.0	µg/L	1	6/28/2005	
cis-1,2-Dichloroethene	ND	5.0	µg/L	1	6/28/2005	
cis-1,3-Dichloropropene	ND	5.0	µg/L	1	6/28/2005	
Di-Isopropyl ether	ND	5.0	µg/L	1	6/28/2005	
Dibromochloromethane	ND	5.0	µg/L	1	6/28/2005	
Dibromomethane	ND	5.0	µg/L	1	6/28/2005	
Dichlorodifluoromethane	ND	5.0	µg/L	1	6/28/2005	
Ethyl tert-butyl ether	ND	5.0	µg/L	1	6/28/2005	
Ethylbenzene	240	50	µg/L	10	6/28/2005	
Hexachlorobutadiene	ND	5.0	µg/L	1	6/28/2005	
Isopropylbenzene	91	5.0	µg/L	1	6/28/2005	
m,p-Xylene	120	10	µg/L	1	6/28/2005	
Methylene chloride	ND	5.0	µg/L	1	6/28/2005	
MTBE	ND	5.0	µg/L	1	6/28/2005	
n-Butylbenzene	26	5.0	µg/L	1	6/28/2005	
n-Propylbenzene	250	50	µg/L	10	6/28/2005	
Naphthalene	540	50	µg/L	10	6/28/2005	
o-Xylene	ND	5.0	µg/L	1	6/28/2005	
sec-Butylbenzene	11	5.0	µg/L	1	6/28/2005	
Styrene	ND	5.0	µg/L	1	6/28/2005	
Tert-amyl methyl ether	ND	5.0	µg/L	1	6/28/2005	
Tert-Butanol	ND	100	µg/L	1	6/28/2005	
tert-Butylbenzene	ND	5.0	µg/L	1	6/28/2005	
Tetrachloroethene	ND	5.0	µg/L	1	6/28/2005	
Toluene	11	5.0	µg/L	1	6/28/2005	
trans-1,2-Dichloroethene	ND	5.0	µg/L	1	6/28/2005	
Trichloroethene	ND	5.0	µg/L	1	6/28/2005	
Trichlorofluoromethane	ND	5.0	µg/L	1	6/28/2005	
Vinyl chloride	ND	5.0	µg/L	1	6/28/2005	

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank E - Value above quantitation range
 DO - Surrogate Diluted Out H-Samples exceeding holding time

Results are wet unless otherwise specified

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Advanced Technology
Laboratories

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3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 28-Jun-05

CLIENT: SCS Engineers Client Sample ID: SCSB8-5'
 Lab Order: 077300
 Project: Long Beach City Tow Yard, 01204007.02 Collection Date: 6/21/2005
 Lab ID: 077300-004 Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC1_050624A QC Batch: D05VS122 PrepDate: 6/21/2005 Analyst: TT
 GRO ND 45 mg/Kg 50 6/24/2005

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS1_050627A	QC Batch: P05VS096	PrepDate: 6/21/2005	Analyst: HH
1,1,1,2-Tetrachloroethane	ND	5.3	µg/Kg 1 6/27/2005
1,1,1-Trichloroethane	ND	5.3	µg/Kg 1 6/27/2005
1,1,2,2-Tetrachloroethane	ND	5.3	µg/Kg 1 6/27/2005
1,1,2-Trichloroethane	ND	5.3	µg/Kg 1 6/27/2005
1,1-Dichloroethane	ND	5.3	µg/Kg 1 6/27/2005
1,1-Dichloroethene	ND	5.3	µg/Kg 1 6/27/2005
1,1-Dichloropropene	ND	5.3	µg/Kg 1 6/27/2005
1,2,3-Trichlorobenzene	ND	5.3	µg/Kg 1 6/27/2005
1,2,3-Trichloropropane	ND	5.3	µg/Kg 1 6/27/2005
1,2,4-Trichlorobenzene	ND	5.3	µg/Kg 1 6/27/2005
1,2,4-Trimethylbenzene	ND	5.3	µg/Kg 1 6/27/2005
1,2-Dibromo-3-chloropropane	ND	11	µg/Kg 1 6/27/2005
1,2-Dibromoethane	ND	5.3	µg/Kg 1 6/27/2005
1,2-Dichlorobenzene	ND	5.3	µg/Kg 1 6/27/2005
1,2-Dichloroethane	ND	5.3	µg/Kg 1 6/27/2005
1,2-Dichloropropane	ND	5.3	µg/Kg 1 6/27/2005
1,3,5-Trimethylbenzene	ND	5.3	µg/Kg 1 6/27/2005
1,3-Dichlorobenzene	ND	5.3	µg/Kg 1 6/27/2005
1,3-Dichloropropane	ND	5.3	µg/Kg 1 6/27/2005
1,4-Dichlorobenzene	ND	5.3	µg/Kg 1 6/27/2005
2,2-Dichloropropane	ND	5.3	µg/Kg 1 6/27/2005
2-Chlorotoluene	ND	5.3	µg/Kg 1 6/27/2005
4-Chlorotoluene	ND	5.3	µg/Kg 1 6/27/2005
4-Isopropyltoluene	ND	5.3	µg/Kg 1 6/27/2005
Benzene	ND	5.3	µg/Kg 1 6/27/2005
Bromobenzene	ND	5.3	µg/Kg 1 6/27/2005
Bromodichloromethane	ND	5.3	µg/Kg 1 6/27/2005
Bromoform	ND	5.3	µg/Kg 1 6/27/2005
Bromomethane	ND	5.3	µg/Kg 1 6/27/2005
Carbon tetrachloride	ND	5.3	µg/Kg 1 6/27/2005
Chlorobenzene	ND	5.3	µg/Kg 1 6/27/2005

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank E - Value above quantitation range
 DO - Surrogate Diluted Out H-Samples exceeding holding time

Results are wet unless otherwise specified

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Advanced Technology
Laboratories

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3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 28-Jun-05

CLIENT: SCS Engineers Client Sample ID: SCSB8-5'
 Lab Order: 077300
 Project: Long Beach City Tow Yard, 01204007.02 Collection Date: 6/21/2005
 Lab ID: 077300-004 Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS1_050627A	QC Batch: P05VS096	PrepDate: 6/21/2005	Analyst: HH		
Chloroethane	ND	5.3	µg/Kg	1	6/27/2005
Chloroform	ND	5.3	µg/Kg	1	6/27/2005
Chloromethane	ND	5.3	µg/Kg	1	6/27/2005
cis-1,2-Dichloroethene	ND	5.3	µg/Kg	1	6/27/2005
cis-1,3-Dichloropropene	ND	5.3	µg/Kg	1	6/27/2005
Di-isopropyl ether	ND	5.3	µg/Kg	1	6/27/2005
Dibromochloromethane	ND	5.3	µg/Kg	1	6/27/2005
Dibromomethane	ND	5.3	µg/Kg	1	6/27/2005
Dichlorodifluoromethane	ND	5.3	µg/Kg	1	6/27/2005
Ethyl Tert-butyl ether	ND	5.3	µg/Kg	1	6/27/2005
Ethylbenzene	ND	5.3	µg/Kg	1	6/27/2005
Hexachlorobutadiene	ND	5.3	µg/Kg	1	6/27/2005
Isopropylbenzene	ND	5.3	µg/Kg	1	6/27/2005
m,p-Xylene	ND	11	µg/Kg	1	6/27/2005
Methylene chloride	ND	5.3	µg/Kg	1	6/27/2005
MTBE	ND	5.3	µg/Kg	1	6/27/2005
n-Butylbenzene	ND	5.3	µg/Kg	1	6/27/2005
n-Propylbenzene	ND	5.3	µg/Kg	1	6/27/2005
Naphthalene	ND	5.3	µg/Kg	1	6/27/2005
o-Xylene	ND	5.3	µg/Kg	1	6/27/2005
sec-Butylbenzene	ND	5.3	µg/Kg	1	6/27/2005
Styrene	ND	5.3	µg/Kg	1	6/27/2005
Tert-amyl methyl ether	ND	5.3	µg/Kg	1	6/27/2005
Tert-Butanol	ND	110	µg/Kg	1	6/27/2005
tert-Butylbenzene	ND	5.3	µg/Kg	1	6/27/2005
Tetrachloroethene	ND	5.3	µg/Kg	1	6/27/2005
Toluene	ND	5.3	µg/Kg	1	6/27/2005
trans-1,2-Dichloroethene	ND	5.3	µg/Kg	1	6/27/2005
Trichloroethene	ND	5.3	µg/Kg	1	6/27/2005
Trichlorofluoromethane	ND	5.3	µg/Kg	1	6/27/2005
Vinyl chloride	ND	5.3	µg/Kg	1	6/27/2005

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank E - Value above quantitation range
 DO - Surrogate Diluted Out H-Samples exceeding holding time

Results are wet unless otherwise specified

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Laboratories

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3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 28-Jun-05

CLIENT: SCS Engineers Client Sample ID: SCSB8-10'
 Lab Order: 077300
 Project: Long Beach City Tow Yard, 01204007.02 Collection Date: 6/21/2005
 Lab ID: 077300-005 Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC1_050624A QC Batch: D05VS122 PrepDate: 6/21/2005 Analyst: TT
 GRO 1500 40 mg/Kg 50 6/24/2005

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID:	MS1_050627A	QC Batch:	P05VS096	PrepDate:	6/21/2005	Analyst:	HH
1,1,1,2-Tetrachloroethane	ND	2000	µg/Kg	500	6/27/2005		
1,1,1-Trichloroethane	ND	2000	µg/Kg	500	6/27/2005		
1,1,2,2-Tetrachloroethane	ND	2000	µg/Kg	500	6/27/2005		
1,1,2-Trichloroethane	ND	2000	µg/Kg	500	6/27/2005		
1,1-Dichloroethane	ND	2000	µg/Kg	500	6/27/2005		
1,1-Dichloroethene	ND	2000	µg/Kg	500	6/27/2005		
1,1-Dichloropropene	ND	2000	µg/Kg	500	6/27/2005		
1,2,3-Trichlorobenzene	ND	2000	µg/Kg	500	6/27/2005		
1,2,3-Trichloropropane	ND	2000	µg/Kg	500	6/27/2005		
1,2,4-Trichlorobenzene	ND	2000	µg/Kg	500	6/27/2005		
1,2,4-Trimethylbenzene	77000	2000	µg/Kg	500	6/27/2005		
1,2-Dibromo-3-chloropropane	ND	4000	µg/Kg	500	6/27/2005		
1,2-Dibromoethane	ND	2000	µg/Kg	500	6/27/2005		
1,2-Dichlorobenzene	ND	2000	µg/Kg	500	6/27/2005		
1,2-Dichloroethane	ND	2000	µg/Kg	500	6/27/2005		
1,2-Dichloropropane	ND	2000	µg/Kg	500	6/27/2005		
1,3,5-Trimethylbenzene	27000	2000	µg/Kg	500	6/27/2005		
1,3-Dichlorobenzene	ND	2000	µg/Kg	500	6/27/2005		
1,3-Dichloropropane	ND	2000	µg/Kg	500	6/27/2005		
1,4-Dichlorobenzene	ND	2000	µg/Kg	500	6/27/2005		
2,2-Dichloropropane	ND	2000	µg/Kg	500	6/27/2005		
2-Chlorotoluene	ND	2000	µg/Kg	500	6/27/2005		
4-Chlorotoluene	ND	2000	µg/Kg	500	6/27/2005		
4-Isopropyltoluene	2100	2000	µg/Kg	500	6/27/2005		
Benzene	ND	2000	µg/Kg	500	6/27/2005		
Bromobenzene	ND	2000	µg/Kg	500	6/27/2005		
Bromodichloromethane	ND	2000	µg/Kg	500	6/27/2005		
Bromoform	ND	2000	µg/Kg	500	6/27/2005		
Bromomethane	ND	2000	µg/Kg	500	6/27/2005		
Carbon tetrachloride	ND	2000	µg/Kg	500	6/27/2005		
Chlorobenzene	ND	2000	µg/Kg	500	6/27/2005		

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank E - Value above quantitation range
 DO - Surrogate Diluted Out H-Samples exceeding holding time

Results are wet unless otherwise specified

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3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 28-Jun-05

CLIENT: SCS Engineers Client Sample ID: SCSB8-10'
 Lab Order: 077300
 Project: Long Beach City Tow Yard, 01204007.02 Collection Date: 6/21/2005
 Lab ID: 077300-005 Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS1_050627A	QC Batch: P05VS096	PrepDate: 6/21/2005	Analyst: HH		
Chloroethane	ND	2000	µg/Kg	500	6/27/2005
Chloroform	ND	2000	µg/Kg	500	6/27/2005
Chloromethane	ND	2000	µg/Kg	500	6/27/2005
cis-1,2-Dichloroethene	ND	2000	µg/Kg	500	6/27/2005
cis-1,3-Dichloropropene	ND	2000	µg/Kg	500	6/27/2005
Di-isopropyl ether	ND	2000	µg/Kg	500	6/27/2005
Dibromochloromethane	ND	2000	µg/Kg	500	6/27/2005
Dibromomethane	ND	2000	µg/Kg	500	6/27/2005
Dichlorodifluoromethane	ND	2000	µg/Kg	500	6/27/2005
Ethyl Tert-butyl ether	ND	2000	µg/Kg	500	6/27/2005
Ethylbenzene	34000	2000	µg/Kg	500	6/27/2005
Hexachlorobutadiene	ND	2000	µg/Kg	500	6/27/2005
Isopropylbenzene	5500	2000	µg/Kg	500	6/27/2005
m,p-Xylene	34000	4000	µg/Kg	500	6/27/2005
Methylene chloride	ND	2000	µg/Kg	500	6/27/2005
MTBE	ND	2000	µg/Kg	500	6/27/2005
n-Butylbenzene	8800	2000	µg/Kg	500	6/27/2005
n-Propylbenzene	18000	2000	µg/Kg	500	6/27/2005
Naphthalene	11000	2000	µg/Kg	500	6/27/2005
o-Xylene	ND	2000	µg/Kg	500	6/27/2005
sec-Butylbenzene	2200	2000	µg/Kg	500	6/27/2005
Styrene	ND	2000	µg/Kg	500	6/27/2005
Tert-amyl methyl ether	ND	2000	µg/Kg	500	6/27/2005
Tert-Butanol	ND	40000	µg/Kg	500	6/27/2005
tert-Butylbenzene	ND	2000	µg/Kg	500	6/27/2005
Tetrachloroethene	ND	2000	µg/Kg	500	6/27/2005
Toluene	ND	2000	µg/Kg	500	6/27/2005
trans-1,2-Dichloroethene	ND	2000	µg/Kg	500	6/27/2005
Trichloroethene	ND	2000	µg/Kg	500	6/27/2005
Trichlorofluoromethane	ND	2000	µg/Kg	500	6/27/2005
Vinyl chloride	ND	2000	µg/Kg	500	6/27/2005

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits
 I - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank E - Value above quantitation range
 DO - Surrogate Diluted Out H-Samples exceeding holding time

Results are wet unless otherwise specified

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3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 28-Jun-05

CLIENT: SCS Engineers Client Sample ID: SCSB8-GW
 Lab Order: 077300
 Project: Long Beach City Tow Yard, 01204007.02 Collection Date: 6/21/2005
 Lab ID: 077300-006 Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC6_050624A QC Batch: I05VW121 PrepDate: Analyst: MFR
 GRO 1.1 0.20 mg/L 1 6/24/2005

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS11_050628A	QC Batch: A05VW187	PrepDate:	Analyst: MFR
1,1,1,2-Tetrachloroethane	ND	5.0	µg/L 1 6/28/2005
1,1,1-Trichloroethane	ND	5.0	µg/L 1 6/28/2005
1,1,2,2-Tetrachloroethane	ND	5.0	µg/L 1 6/28/2005
1,1,2-Trichloroethane	ND	5.0	µg/L 1 6/28/2005
1,1-Dichloroethane	ND	5.0	µg/L 1 6/28/2005
1,1-Dichloroethene	ND	5.0	µg/L 1 6/28/2005
1,1-Dichloropropene	ND	5.0	µg/L 1 6/28/2005
1,2,3-Trichlorobenzene	ND	5.0	µg/L 1 6/28/2005
1,2,3-Trichloropropane	ND	6.0	µg/L 1 6/28/2005
1,2,4-Trichlorobenzene	ND	5.0	µg/L 1 6/28/2005
1,2,4-Trimethylbenzene	16	5.0	µg/L 1 6/28/2005
1,2-Dibromo-3-chloropropane	ND	5.0	µg/L 1 6/28/2005
1,2-Dibromoethane	ND	5.0	µg/L 1 6/28/2005
1,2-Dichlorobenzene	ND	5.0	µg/L 1 6/28/2005
1,2-Dichloroethane	ND	5.0	µg/L 1 6/28/2005
1,2-Dichloropropane	ND	5.0	µg/L 1 6/28/2005
1,3,5-Trimethylbenzene	9.3	5.0	µg/L 1 6/28/2005
1,3-Dichlorobenzene	ND	5.0	µg/L 1 6/28/2005
1,3-Dichloropropane	ND	5.0	µg/L 1 6/28/2005
1,4-Dichlorobenzene	ND	5.0	µg/L 1 6/28/2005
2,2-Dichloropropane	ND	5.0	µg/L 1 6/28/2005
2-Chlorotoluene	ND	5.0	µg/L 1 6/28/2005
4-Chlorotoluene	ND	5.0	µg/L 1 6/28/2005
4-Isopropyltoluene	ND	5.0	µg/L 1 6/28/2005
Benzene	ND	5.0	µg/L 1 6/28/2005
Bromobenzene	ND	5.0	µg/L 1 6/28/2005
Bromodichloromethane	ND	5.0	µg/L 1 6/28/2005
Bromoform	ND	5.0	µg/L 1 6/28/2005
Bromomethane	ND	5.0	µg/L 1 6/28/2005
Carbon tetrachloride	ND	5.0	µg/L 1 6/28/2005
Chlorobenzene	ND	5.0	µg/L 1 6/28/2005

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank E - Value above quantitation range
 DO - Surrogate Diluted Out H-Samples exceeding holding time

Results are wet unless otherwise specified

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Advanced Technology Laboratories

Date: 28-Jun-05

CLIENT: SCS Engineers Client Sample ID: SCSB8-GW
 Lab Order: 077300
 Project: Long Beach City Tow Yard, 01204007.02 Collection Date: 6/21/2005
 Lab ID: 077300-006 Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS11_050628A	QC Batch: A05VW187	PrepDate:	Analyst: MFR		
Chloroethane	ND	5.0	µg/L	1	6/28/2005
Chloroform	ND	5.0	µg/L	1	6/28/2005
Chloromethane	ND	5.0	µg/L	1	6/28/2005
cis-1,2-Dichloroethane	ND	5.0	µg/L	1	6/28/2005
cis-1,3-Dichloropropene	ND	5.0	µg/L	1	6/28/2005
Di-isopropyl ether	ND	5.0	µg/L	1	6/28/2005
Dibromochloromethane	ND	5.0	µg/L	1	6/28/2005
Dibromomethane	ND	5.0	µg/L	1	6/28/2005
Dichlorodifluoromethane	ND	5.0	µg/L	1	6/28/2005
Ethyl tert-butyl ether	ND	5.0	µg/L	1	6/28/2005
Ethylbenzene	85	5.0	µg/L	1	6/28/2005
Hexachlorobutadiene	ND	5.0	µg/L	1	6/28/2005
Isopropylbenzene	11	5.0	µg/L	1	6/28/2005
m,p-Xylene	19	10	µg/L	1	6/28/2005
Methylene chloride	ND	5.0	µg/L	1	6/28/2005
MTBE	5.3	5.0	µg/L	1	6/28/2005
n-Butylbenzene	5.4	5.0	µg/L	1	6/28/2005
n-Propylbenzene	25	5.0	µg/L	1	6/28/2005
Naphthalene	27	5.0	µg/L	1	6/28/2005
o-Xylene	ND	5.0	µg/L	1	6/28/2005
sec-Butylbenzene	ND	5.0	µg/L	1	6/28/2005
Styrene	ND	5.0	µg/L	1	6/28/2005
Tert-amyl methyl ether	ND	5.0	µg/L	1	6/28/2005
Tert-Butanol	ND	100	µg/L	1	6/28/2005
tert-Butylbenzene	ND	5.0	µg/L	1	6/28/2005
Tetrachloroethene	ND	5.0	µg/L	1	6/28/2005
Toluene	ND	5.0	µg/L	1	6/28/2005
trans-1,2-Dichloroethene	ND	5.0	µg/L	1	6/28/2005
Trichloroethene	ND	5.0	µg/L	1	6/28/2005
Trichlorofluoromethane	ND	5.0	µg/L	1	6/28/2005
Vinyl chloride	ND	5.0	µg/L	1	6/28/2005

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank E - Value above quantitation range
 DO - Surrogate Diluted Out H - Samples exceeding holding time

Results are wet unless otherwise specified

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Advanced Technology Laboratories

Date: 28-Jun-05

CLIENT: SCS Engineers Client Sample ID: SCSB9-5'
 Lab Order: 077300
 Project: Long Beach City Tow Yard, 01204007.02 Collection Date: 6/21/2005
 Lab ID: 077300-007 Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC1_050624A QC Batch: D05VS122 PrepDate: 6/21/2005 Analyst: TT
 GRO ND 53 mg/Kg 50 6/24/2005

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID:	MS1_050627A	QC Batch:	P05VS096	PrepDate:	6/21/2005	Analyst: HH
1,1,1,2-Tetrachloroethane	ND	3.6	µg/Kg	1	6/27/2005	
1,1,1-Trichloroethane	ND	3.6	µg/Kg	1	6/27/2005	
1,1,2,2-Tetrachloroethane	ND	3.6	µg/Kg	1	6/27/2005	
1,1,2-Trichloroethane	ND	3.6	µg/Kg	1	6/27/2005	
1,1-Dichloroethane	ND	3.6	µg/Kg	1	6/27/2005	
1,1-Dichloroethene	ND	3.6	µg/Kg	1	6/27/2005	
1,1-Dichloropropene	ND	3.6	µg/Kg	1	6/27/2005	
1,2,3-Trichlorobenzene	ND	3.6	µg/Kg	1	6/27/2005	
1,2,3-Trichloropropane	ND	3.6	µg/Kg	1	6/27/2005	
1,2,4-Trichlorobenzene	ND	3.6	µg/Kg	1	6/27/2005	
1,2,4-Trimethylbenzene	ND	3.6	µg/Kg	1	6/27/2005	
1,2-Dibromo-3-chloropropane	ND	7.2	µg/Kg	1	6/27/2005	
1,2-Dibromoethane	ND	3.6	µg/Kg	1	6/27/2005	
1,2-Dichlorobenzene	ND	3.6	µg/Kg	1	6/27/2005	
1,2-Dichloroethane	ND	3.6	µg/Kg	1	6/27/2005	
1,2-Dichloropropane	ND	3.6	µg/Kg	1	6/27/2005	
1,3,5-Trimethylbenzene	ND	3.6	µg/Kg	1	6/27/2005	
1,3-Dichlorobenzene	ND	3.6	µg/Kg	1	6/27/2005	
1,3-Dichloropropane	ND	3.6	µg/Kg	1	6/27/2005	
1,4-Dichlorobenzene	ND	3.6	µg/Kg	1	6/27/2005	
2,2-Dichloropropane	ND	3.6	µg/Kg	1	6/27/2005	
2-Chlorotoluene	ND	3.6	µg/Kg	1	6/27/2005	
4-Chlorotoluene	ND	3.6	µg/Kg	1	6/27/2005	
4-Isopropyltoluene	ND	3.6	µg/Kg	1	6/27/2005	
Benzene	ND	3.6	µg/Kg	1	6/27/2005	
Bromobenzene	ND	3.6	µg/Kg	1	6/27/2005	
Bromodichloromethane	ND	3.6	µg/Kg	1	6/27/2005	
Bromoform	ND	3.6	µg/Kg	1	6/27/2005	
Bromomethane	ND	3.6	µg/Kg	1	6/27/2005	
Carbon tetrachloride	ND	3.6	µg/Kg	1	6/27/2005	
Chlorobenzene	ND	3.6	µg/Kg	1	6/27/2005	

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank E - Value above quantitation range
 DO - Surrogate Diluted Out H-Samples exceeding holding time

Results are wet unless otherwise specified

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Advanced Technology
Laboratories

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3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 28-Jun-05

CLIENT: SCS Engineers Client Sample ID: SCSB9-5'
 Lab Order: 077300
 Project: Long Beach City Tow Yard, 01204007.02 Collection Date: 6/21/2005
 Lab ID: 077300-007 Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS1_050627A	QC Batch: P05VS096	PrepDate: 6/21/2005	Analyst: HH		
Chloroethane	ND	3.6	µg/Kg	1	6/27/2005
Chloroform	ND	3.6	µg/Kg	1	6/27/2005
Chloromethane	ND	3.6	µg/Kg	1	6/27/2005
cis-1,2-Dichloroethene	ND	3.6	µg/Kg	1	6/27/2005
cis-1,3-Dichloropropene	ND	3.6	µg/Kg	1	6/27/2005
Di-Isopropyl ether	ND	3.6	µg/Kg	1	6/27/2005
Dibromochloromethane	4.5	3.6	µg/Kg	1	6/27/2005
Dibromomethane	ND	3.6	µg/Kg	1	6/27/2005
Dichlorodifluoromethane	ND	3.6	µg/Kg	1	6/27/2005
Ethyl Tert-butyl ether	ND	3.6	µg/Kg	1	6/27/2005
Ethylbenzene	ND	3.6	µg/Kg	1	6/27/2005
Hexachlorobutadiene	ND	3.6	µg/Kg	1	6/27/2005
Isopropylbenzene	ND	3.6	µg/Kg	1	6/27/2005
m,p-Xylene	ND	7.2	µg/Kg	1	6/27/2005
Methylene chloride	ND	3.6	µg/Kg	1	6/27/2005
MTBE	ND	3.6	µg/Kg	1	6/27/2005
n-Butylbenzene	ND	3.6	µg/Kg	1	6/27/2005
n-Propylbenzene	ND	3.6	µg/Kg	1	6/27/2005
Naphthalene	ND	3.6	µg/Kg	1	6/27/2005
o-Xylene	ND	3.6	µg/Kg	1	6/27/2005
sec-Butylbenzene	ND	3.6	µg/Kg	1	6/27/2005
Styrene	ND	3.6	µg/Kg	1	6/27/2005
Tert-amyl methyl ether	ND	3.6	µg/Kg	1	6/27/2005
Tert-Butanol	ND	72	µg/Kg	1	6/27/2005
tert-Butylbenzene	ND	3.6	µg/Kg	1	6/27/2005
Tetrachloroethene	ND	3.6	µg/Kg	1	6/27/2005
Toluene	ND	3.6	µg/Kg	1	6/27/2005
trans-1,2-Dichloroethene	ND	3.6	µg/Kg	1	6/27/2005
Trichloroethene	ND	3.6	µg/Kg	1	6/27/2005
Trichlorofluoromethane	ND	3.6	µg/Kg	1	6/27/2005
Vinyl chloride	ND	3.6	µg/Kg	1	6/27/2005

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank E - Value above quantitation range
 DO - Surrogate Diluted Out H-Samples exceeding holding time

Results are wet unless otherwise specified

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Advanced Technology Laboratories

Date: 28-Jun-05

CLIENT: SCS Engineers

Client Sample ID: SCSB9-10'

Lab Order: 077300

Project: Long Beach City Tow Yard, 01204007.02

Collection Date: 6/21/2005

Lab ID: 077300-008

Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC1_050624A	QC Batch: D05VS122	PrepDate: 6/21/2005	Analyst: TT
GRO	ND	35	mg/Kg
		50	6/24/2005

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS1_050627A	QC Batch: P05VS096	PrepDate: 6/21/2005	Analyst: HH
1,1,1,2-Tetrachloroethane	ND	3.6	µg/Kg
1,1,1-Trichloroethane	ND	3.6	µg/Kg
1,1,2,2-Tetrachloroethane	ND	3.6	µg/Kg
1,1,2-Trichloroethane	ND	3.6	µg/Kg
1,1-Dichloroethane	ND	3.6	µg/Kg
1,1-Dichloroethene	ND	3.6	µg/Kg
1,1-Dichloropropene	ND	3.6	µg/Kg
1,2,3-Trichlorobenzene	ND	3.6	µg/Kg
1,2,3-Trichloropropane	ND	3.6	µg/Kg
1,2,4-Trichlorobenzene	ND	3.6	µg/Kg
1,2,4-Trimethylbenzene	ND	3.6	µg/Kg
1,2-Dibromo-3-chloropropane	ND	7.2	µg/Kg
1,2-Dibromoethane	ND	3.6	µg/Kg
1,2-Dichlorobenzene	ND	3.6	µg/Kg
1,2-Dichloroethane	ND	3.6	µg/Kg
1,2-Dichloropropane	ND	3.6	µg/Kg
1,3,5-Trimethylbenzene	ND	3.6	µg/Kg
1,3-Dichlorobenzene	ND	3.6	µg/Kg
1,3-Dichloropropane	ND	3.6	µg/Kg
1,4-Dichlorobenzene	ND	3.6	µg/Kg
2,2-Dichloropropane	ND	3.6	µg/Kg
2-Chlorotoluene	ND	3.6	µg/Kg
4-Chlorotoluene	ND	3.6	µg/Kg
4-Isopropyltoluene	ND	3.6	µg/Kg
Benzene	11	3.6	µg/Kg
Bromobenzene	ND	3.6	µg/Kg
Bromodichloromethane	3.9	3.6	µg/Kg
Bromoform	ND	3.6	µg/Kg
Bromomethane	ND	3.6	µg/Kg
Carbon tetrachloride	ND	3.6	µg/Kg
Chlorobenzene	ND	3.6	µg/Kg

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits
 I - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank E - Value above quantitation range
 DO - Surrogate Diluted Out H-Samples exceeding holding time

Results are wet unless otherwise specified

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Advanced Technology Laboratories

Date: 28-Jun-05

CLIENT: SCS Engineers Client Sample ID: SCSB9-10'
 Lab Order: 077300
 Project: Long Beach City Tow Yard, 01204007.02 Collection Date: 6/21/2005
 Lab ID: 077300-008 Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID:	MS1_050627A	QC Batch:	P05VS096	PrepDate:	6/21/2005	Analyst: HH
Chloroethane	ND	3.6	µg/Kg	1	6/27/2005	
Chloroform	ND	3.6	µg/Kg	1	6/27/2005	
Chloromethane	ND	3.6	µg/Kg	1	6/27/2005	
cis-1,2-Dichloroethene	ND	3.6	µg/Kg	1	6/27/2005	
cis-1,3-Dichloropropene	ND	3.6	µg/Kg	1	6/27/2005	
Di-Isopropyl ether	ND	3.6	µg/Kg	1	6/27/2005	
Dibromochloromethane	6.1	3.6	µg/Kg	1	6/27/2005	
Dibromomethane	ND	3.6	µg/Kg	1	6/27/2005	
Dichlorodifluoromethane	ND	3.6	µg/Kg	1	6/27/2005	
Ethyl Tert-butyl ether	ND	3.6	µg/Kg	1	6/27/2005	
Ethylbenzene	ND	3.6	µg/Kg	1	6/27/2005	
Hexachlorobutadiene	ND	3.6	µg/Kg	1	6/27/2005	
Isopropylbenzene	ND	3.6	µg/Kg	1	6/27/2005	
m,p-Xylene	ND	7.2	µg/Kg	1	6/27/2005	
Methylene chloride	ND	3.6	µg/Kg	1	6/27/2005	
MTBE	ND	3.6	µg/Kg	1	6/27/2005	
n-Butylbenzene	ND	3.6	µg/Kg	1	6/27/2005	
n-Propylbenzene	ND	3.6	µg/Kg	1	6/27/2005	
Naphthalene	ND	3.6	µg/Kg	1	6/27/2005	
o-Xylene	ND	3.6	µg/Kg	1	6/27/2005	
sec-Butylbenzene	ND	3.6	µg/Kg	1	6/27/2005	
Styrene	ND	3.6	µg/Kg	1	6/27/2005	
Tert-amyl methyl ether	ND	3.6	µg/Kg	1	6/27/2005	
Tert-Butanol	ND	72	µg/Kg	1	6/27/2005	
tert-Butylbenzene	ND	3.6	µg/Kg	1	6/27/2005	
Tetrachloroethene	ND	3.6	µg/Kg	1	6/27/2005	
Toluene	13	3.6	µg/Kg	1	6/27/2005	
trans-1,2-Dichloroethene	ND	3.6	µg/Kg	1	6/27/2005	
Trichloroethene	ND	3.6	µg/Kg	1	6/27/2005	
Trichlorofluoromethane	ND	3.6	µg/Kg	1	6/27/2005	
Vinyl chloride	ND	3.6	µg/Kg	1	6/27/2005	

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank E - Value above quantitation range
 DO - Surrogate Diluted Out H-Samples exceeding holding time

Results are wet unless otherwise specified

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Advanced Technology
Laboratories

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3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 28-Jun-05

CLIENT:	SCS Engineers	Client Sample ID:	SCSB9-GW
Lab Order:	077300		
Project:	Long Beach City Tow Yard, 01204007.02	Collection Date:	6/21/2005
Lab ID:	077300-009	Matrix:	WATER

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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GASOLINE RANGE ORGANICS BY GC/FID**EPA 8015B(M)**

RunID: GC6_050624A	QC Batch: 105VW121	PrepDate:	Analyst: MFR	
GRO	ND	0.20 mg/L	1	6/24/2005

VOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 8260B**

RunID: MS11_050628A	QC Batch: A05VW187	PrepDate:	Analyst: MFR	
1,1,1,2-Tetrachloroethane	ND	5.0 µg/L	1	6/28/2005
1,1,1-Trichloroethane	ND	5.0 µg/L	1	6/28/2005
1,1,2,2-Tetrachloroethane	ND	5.0 µg/L	1	6/28/2005
1,1,2-Trichloroethane	ND	5.0 µg/L	1	6/28/2005
1,1-Dichloroethane	ND	5.0 µg/L	1	6/28/2005
1,1-Dichloroethene	ND	5.0 µg/L	1	6/28/2005
1,1-Dichloropropene	ND	5.0 µg/L	1	6/28/2005
1,2,3-Trichlorobenzene	ND	5.0 µg/L	1	6/28/2005
1,2,3-Trichloropropane	ND	5.0 µg/L	1	6/28/2005
1,2,4-Trichlorobenzene	ND	5.0 µg/L	1	6/28/2005
1,2,4-Trimethylbenzene	ND	5.0 µg/L	1	6/28/2005
1,2-Dibromo-3-chloropropane	ND	5.0 µg/L	1	6/28/2005
1,2-Dibromoethane	ND	5.0 µg/L	1	6/28/2005
1,2-Dichlorobenzene	ND	5.0 µg/L	1	6/28/2005
1,2-Dichloroethane	ND	5.0 µg/L	1	6/28/2005
1,2-Dichloropropane	ND	5.0 µg/L	1	6/28/2005
1,3,5-Trimethylbenzene	ND	5.0 µg/L	1	6/28/2005
1,3-Dichlorobenzene	ND	5.0 µg/L	1	6/28/2005
1,3-Dichloropropane	ND	5.0 µg/L	1	6/28/2005
1,4-Dichlorobenzene	ND	5.0 µg/L	1	6/28/2005
2,2-Dichloropropane	ND	5.0 µg/L	1	6/28/2005
2-Chlorotoluene	ND	5.0 µg/L	1	6/28/2005
4-Chlorotoluene	ND	5.0 µg/L	1	6/28/2005
4-Isopropyltoluene	ND	5.0 µg/L	1	6/28/2005
Benzene	ND	5.0 µg/L	1	6/28/2005
Bromobenzene	ND	5.0 µg/L	1	6/28/2005
Bromodichloromethane	ND	5.0 µg/L	1	6/28/2005
Bromoform	ND	5.0 µg/L	1	6/28/2005
Bromomethane	ND	5.0 µg/L	1	6/28/2005
Carbon tetrachloride	ND	5.0 µg/L	1	6/28/2005
Chlorobenzene	ND	5.0 µg/L	1	6/28/2005

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	E - Value above quantitation range
	DO - Surrogate Diluted Out	H - Samples exceeding holding time

Results are wet unless otherwise specified

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Advanced Technology Laboratories

Date: 28-Jun-05

CLIENT: SCS Engineers Client Sample ID: SCSB9-GW
 Lab Order: 077300
 Project: Long Beach City Tow Yard, 01204007.02 Collection Date: 6/21/2005
 Lab ID: 077300-009 Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS11_050628A	QC Batch: A05VW187	PrepDate:	Analyst: MFR		
Chloroethane	ND	5.0	µg/L	1	6/28/2005
Chloroform	ND	5.0	µg/L	1	6/28/2005
Chloromethane	ND	5.0	µg/L	1	6/28/2005
cis-1,2-Dichloroethene	ND	5.0	µg/L	1	6/28/2005
cis-1,3-Dichloropropene	ND	5.0	µg/L	1	6/28/2005
Di-Isopropyl ether	ND	5.0	µg/L	1	6/28/2005
Dibromochloromethane	ND	5.0	µg/L	1	6/28/2005
Dibromomethane	ND	5.0	µg/L	1	6/28/2005
Dichlorodifluoromethane	ND	5.0	µg/L	1	6/28/2005
Ethyl tert-butyl ether	ND	5.0	µg/L	1	6/28/2005
Ethylbenzene	ND	5.0	µg/L	1	6/28/2005
Hexachlorobutadiene	ND	5.0	µg/L	1	6/28/2005
Isopropylbenzene	ND	5.0	µg/L	1	6/28/2005
m,p-Xylene	ND	10	µg/L	1	6/28/2005
Methylene chloride	ND	5.0	µg/L	1	6/28/2005
MTBE	6.6	5.0	µg/L	1	6/28/2005
n-Butylbenzene	ND	5.0	µg/L	1	6/28/2005
n-Propylbenzene	ND	5.0	µg/L	1	6/28/2005
Naphthalene	ND	5.0	µg/L	1	6/28/2005
o-Xylene	ND	5.0	µg/L	1	6/28/2005
sec-Butylbenzene	ND	5.0	µg/L	1	6/28/2005
Styrene	ND	5.0	µg/L	1	6/28/2005
Tert-amyl methyl ether	ND	5.0	µg/L	1	6/28/2005
Tert-Butanol	ND	100	µg/L	1	6/28/2005
tert-Butylbenzene	ND	5.0	µg/L	1	6/28/2005
Tetrachloroethene	ND	5.0	µg/L	1	6/28/2005
Toluene	ND	5.0	µg/L	1	6/28/2005
trans-1,2-Dichloroethene	ND	5.0	µg/L	1	6/28/2005
Trichloroethene	ND	5.0	µg/L	1	6/28/2005
Trichlorofluoromethane	ND	5.0	µg/L	1	6/28/2005
Vinyl chloride	ND	5.0	µg/L	1	6/28/2005

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank E - Value above quantitation range
 DO - Surrogate Diluted Out H - Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 28-Jun-05

CLIENT: SCS Engineers Client Sample ID: SCSB10-5'
 Lab Order: 077300
 Project: Long Beach City Tow Yard, 01204007.02 Collection Date: 6/21/2005
 Lab ID: 077300-010 Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC1_050624A QC Batch: D05VS122 PrepDate: 6/21/2005 Analyst: TT
 GRO ND 87 mg/Kg 50 6/24/2005

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID:	MS1_050627A	QC Batch:	P05VS096	PrepDate:	6/21/2005	Analyst:	HH
1,1,1,2-Tetrachloroethane	ND	3.8	µg/Kg	1	6/27/2005		
1,1,1-Trichloroethane	ND	3.8	µg/Kg	1	6/27/2005		
1,1,2,2-Tetrachloroethane	ND	3.8	µg/Kg	1	6/27/2005		
1,1,2-Trichloroethane	ND	3.8	µg/Kg	1	6/27/2005		
1,1-Dichloroethane	ND	3.8	µg/Kg	1	6/27/2005		
1,1-Dichloroethene	ND	3.8	µg/Kg	1	6/27/2005		
1,1-Dichloropropene	ND	3.8	µg/Kg	1	6/27/2005		
1,2,3-Trichlorobenzene	ND	3.8	µg/Kg	1	6/27/2005		
1,2,3-Trichloropropane	ND	3.8	µg/Kg	1	6/27/2005		
1,2,4-Trichlorobenzene	ND	3.8	µg/Kg	1	6/27/2005		
1,2,4-Trimethylbenzene	ND	3.8	µg/Kg	1	6/27/2005		
1,2-Dibromo-3-chloropropane	ND	7.7	µg/Kg	1	6/27/2005		
1,2-Dibromoethane	ND	3.8	µg/Kg	1	6/27/2005		
1,2-Dichlorobenzene	ND	3.8	µg/Kg	1	6/27/2005		
1,2-Dichloroethane	ND	3.8	µg/Kg	1	6/27/2005		
1,2-Dichloropropane	ND	3.8	µg/Kg	1	6/27/2005		
1,3,5-Trimethylbenzene	ND	3.8	µg/Kg	1	6/27/2005		
1,3-Dichlorobenzene	ND	3.8	µg/Kg	1	6/27/2005		
1,3-Dichloropropane	ND	3.8	µg/Kg	1	6/27/2005		
1,4-Dichlorobenzene	ND	3.8	µg/Kg	1	6/27/2005		
2,2-Dichloropropane	ND	3.8	µg/Kg	1	6/27/2005		
2-Chlorotoluene	ND	3.8	µg/Kg	1	6/27/2005		
4-Chlorotoluene	ND	3.8	µg/Kg	1	6/27/2005		
4-Isopropyltoluene	ND	3.8	µg/Kg	1	6/27/2005		
Benzene	ND	3.8	µg/Kg	1	6/27/2005		
Bromobenzene	ND	3.8	µg/Kg	1	6/27/2005		
Bromodichloromethane	ND	3.8	µg/Kg	1	6/27/2005		
Bromoform	ND	3.8	µg/Kg	1	6/27/2005		
Bromomethane	ND	3.8	µg/Kg	1	6/27/2005		
Carbon tetrachloride	ND	3.8	µg/Kg	1	6/27/2005		
Chlorobenzene	ND	3.8	µg/Kg	1	6/27/2005		

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank E - Value above quantitation range
 DO - Surrogate Diluted Out H-Samples exceeding holding time

Results are wet unless otherwise specified

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Advanced Technology
Laboratories

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3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 28-Jun-05

CLIENT: SCS Engineers **Client Sample ID:** SCSB10-5'
Lab Order: 077300
Project: Long Beach City Tow Yard, 01204007.02 **Collection Date:** 6/21/2005
Lab ID: 077300-010 **Matrix:** SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID:	MS1_050627A	QC Batch:	P05VS096	PrepDate:	6/21/2005	Analyst:	HH
Chloroethane	ND	3.8	µg/Kg	1	6/27/2005		
Chloroform	ND	3.8	µg/Kg	1	6/27/2005		
Chloromethane	ND	3.8	µg/Kg	1	6/27/2005		
cis-1,2-Dichloroethene	ND	3.8	µg/Kg	1	6/27/2005		
cis-1,3-Dichloropropene	ND	3.8	µg/Kg	1	6/27/2005		
Di-Isopropyl ether	ND	3.8	µg/Kg	1	6/27/2005		
Dibromochloromethane	ND	3.8	µg/Kg	1	6/27/2005		
Dibromomethane	ND	3.8	µg/Kg	1	6/27/2005		
Dichlorodifluoromethane	ND	3.8	µg/Kg	1	6/27/2005		
Ethyl Tert-butyl ether	ND	3.8	µg/Kg	1	6/27/2005		
Ethylbenzene	ND	3.8	µg/Kg	1	6/27/2005		
Hexachlorobutadiene	ND	3.8	µg/Kg	1	6/27/2005		
Isopropylbenzene	ND	3.8	µg/Kg	1	6/27/2005		
m,p-Xylene	ND	7.7	µg/Kg	1	6/27/2005		
Methylene chloride	ND	3.8	µg/Kg	1	6/27/2005		
MTBE	ND	3.8	µg/Kg	1	6/27/2005		
n-Butylbenzene	ND	3.8	µg/Kg	1	6/27/2005		
n-Propylbenzene	ND	3.8	µg/Kg	1	6/27/2005		
Naphthalene	ND	3.8	µg/Kg	1	6/27/2005		
o-Xylene	ND	3.8	µg/Kg	1	6/27/2005		
sec-Butylbenzene	ND	3.8	µg/Kg	1	6/27/2005		
Styrene	ND	3.8	µg/Kg	1	6/27/2005		
Tert-amyl methyl ether	ND	3.8	µg/Kg	1	6/27/2005		
Tert-Butanol	ND	77	µg/Kg	1	6/27/2005		
tert-Butylbenzene	ND	3.8	µg/Kg	1	6/27/2005		
Tetrachloroethene	ND	3.8	µg/Kg	1	6/27/2005		
Toluene	ND	3.8	µg/Kg	1	6/27/2005		
trans-1,2-Dichloroethene	ND	3.8	µg/Kg	1	6/27/2005		
Trichloroethene	ND	3.8	µg/Kg	1	6/27/2005		
Trichlorofluoromethane	ND	3.8	µg/Kg	1	6/27/2005		
Vinyl chloride	ND	3.8	µg/Kg	1	6/27/2005		

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank E - Value above quantitation range
 DO - Surrogate Diluted Out H-Samples exceeding holding time

Results are wet unless otherwise specified

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Advanced Technology Laboratories

Date: 28-Jun-05

CLIENT: SCS Engineers Client Sample ID: SCSB10-10'
 Lab Order: 077300
 Project: Long Beach City Tow Yard, 01204007.02 Collection Date: 6/21/2005
 Lab ID: 077300-011 Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC1_050624A	QC Batch: D05VS122	PrepDate: 6/21/2005	Analyst: TT
GRO	ND	54	mg/Kg
		50	6/24/2005

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS1_050624A	QC Batch: P05VS095	PrepDate: 6/21/2005	Analyst: HH
1,1,1,2-Tetrachloroethane	ND	4.1	µg/Kg
1,1,1-Trichloroethane	ND	4.1	µg/Kg
1,1,2,2-Tetrachloroethane	ND	4.1	µg/Kg
1,1,2-Trichloroethane	ND	4.1	µg/Kg
1,1-Dichloroethane	ND	4.1	µg/Kg
1,1-Dichloroethene	ND	4.1	µg/Kg
1,1-Dichloropropene	ND	4.1	µg/Kg
1,2,3-Trichlorobenzene	ND	4.1	µg/Kg
1,2,3-Trichloropropane	ND	4.1	µg/Kg
1,2,4-Trichlorobenzene	ND	4.1	µg/Kg
1,2,4-Trimethylbenzene	ND	4.1	µg/Kg
1,2-Dibromo-3-chloropropane	ND	8.2	µg/Kg
1,2-Dibromoethane	ND	4.1	µg/Kg
1,2-Dichlorobenzene	ND	4.1	µg/Kg
1,2-Dichloroethane	ND	4.1	µg/Kg
1,2-Dichloropropane	ND	4.1	µg/Kg
1,3,5-Trimethylbenzene	ND	4.1	µg/Kg
1,3-Dichlorobenzene	ND	4.1	µg/Kg
1,3-Dichloropropane	ND	4.1	µg/Kg
1,4-Dichlorobenzene	ND	4.1	µg/Kg
2,2-Dichloropropane	ND	4.1	µg/Kg
2-Chlorotoluene	ND	4.1	µg/Kg
4-Chlorotoluene	ND	4.1	µg/Kg
4-Isopropyltoluene	ND	4.1	µg/Kg
Benzene	12	4.1	µg/Kg
Bromobenzene	ND	4.1	µg/Kg
Bromodichloromethane	ND	4.1	µg/Kg
Bromoform	ND	4.1	µg/Kg
Bromomethane	ND	4.1	µg/Kg
Carbon tetrachloride	ND	4.1	µg/Kg
Chlorobenzene	ND	4.1	µg/Kg

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank E - Value above quantitation range
 DO - Surrogate Diluted Out H-Samples exceeding holding time

Results are wet unless otherwise specified

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Advanced Technology Laboratories

Date: 28-Jun-05

CLIENT: SCS Engineers Client Sample ID: SCSB10-10'
 Lab Order: 077300
 Project: Long Beach City Tow Yard, 01204007.02 Collection Date: 6/21/2005
 Lab ID: 077300-011 Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS1_050624A	QC Batch: P05VS085	PrepDate: 6/21/2005	Analyst: HH		
Chloroethane	ND	4.1	µg/Kg	1	6/24/2005
Chloroform	ND	4.1	µg/Kg	1	6/24/2005
Chloromethane	ND	4.1	µg/Kg	1	6/24/2005
cis-1,2-Dichloroethene	ND	4.1	µg/Kg	1	6/24/2005
cis-1,3-Dichloropropene	ND	4.1	µg/Kg	1	6/24/2005
Di-isopropyl ether	ND	4.1	µg/Kg	1	6/24/2005
Dibromochloromethane	ND	4.1	µg/Kg	1	6/24/2005
Dibromomethane	ND	4.1	µg/Kg	1	6/24/2005
Dichlorodifluoromethane	ND	4.1	µg/Kg	1	6/24/2005
Ethyl Tert-butyl ether	ND	4.1	µg/Kg	1	6/24/2005
Ethylbenzene	ND	4.1	µg/Kg	1	6/24/2005
Hexachlorobutadiene	ND	4.1	µg/Kg	1	6/24/2005
Isopropylbenzene	ND	4.1	µg/Kg	1	6/24/2005
m,p-Xylene	ND	8.2	µg/Kg	1	6/24/2005
Methylene chloride	ND	4.1	µg/Kg	1	6/24/2005
MTBE	ND	4.1	µg/Kg	1	6/24/2005
n-Butylbenzene	ND	4.1	µg/Kg	1	6/24/2005
n-Propylbenzene	ND	4.1	µg/Kg	1	6/24/2005
Naphthalene	ND	4.1	µg/Kg	1	6/24/2005
o-Xylene	ND	4.1	µg/Kg	1	6/24/2005
sec-Butylbenzene	ND	4.1	µg/Kg	1	6/24/2005
Styrene	ND	4.1	µg/Kg	1	6/24/2005
Tert-amyl methyl ether	ND	4.1	µg/Kg	1	6/24/2005
Tert-Butanol	ND	82	µg/Kg	1	6/24/2005
tert-Butylbenzene	ND	4.1	µg/Kg	1	6/24/2005
Tetrachloroethene	ND	4.1	µg/Kg	1	6/24/2005
Toluene	10	4.1	µg/Kg	1	6/24/2005
trans-1,2-Dichloroethene	ND	4.1	µg/Kg	1	6/24/2005
Trichloroethene	ND	4.1	µg/Kg	1	6/24/2005
Trichlorofluoromethane	ND	4.1	µg/Kg	1	6/24/2005
Vinyl chloride	ND	4.1	µg/Kg	1	6/24/2005

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank E - Value above quantitation range
 DO - Surrogate Diluted Out H-Samples exceeding holding time

Results are wet unless otherwise specified

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Advanced Technology Laboratories

Date: 28-Jun-05

CLIENT: SCS Engineers Client Sample ID: SCSB10-GW
 Lab Order: 077300
 Project: Long Beach City Tow Yard, 01204007.02 Collection Date: 6/21/2005
 Lab ID: 077300-012 Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC6_050627A QC Batch: I05VW122 PrepDate: Analyst: TT
 GRO ND 0.20 mg/L 1 6/27/2005

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID:	MS11_050628A	QC Batch:	A05VW187	PrepDate:	Analyst: MFR
1,1,1,2-Tetrachloroethane	ND	5.0	µg/L	1	6/28/2005
1,1,1-Trichloroethane	ND	5.0	µg/L	1	6/28/2005
1,1,2,2-Tetrachloroethane	ND	5.0	µg/L	1	6/28/2005
1,1,2-Trichloroethane	ND	5.0	µg/L	1	6/28/2005
1,1-Dichloroethane	ND	5.0	µg/L	1	6/28/2005
1,1-Dichloroethene	ND	5.0	µg/L	1	6/28/2005
1,1-Dichloropropene	ND	5.0	µg/L	1	6/28/2005
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1	6/28/2005
1,2,3-Trichloropropane	ND	5.0	µg/L	1	6/28/2005
1,2,4-Trichlorobenzene	ND	5.0	µg/L	1	6/28/2005
1,2,4-Trimethylbenzene	ND	5.0	µg/L	1	6/28/2005
1,2-Dibromo-3-chloropropane	ND	5.0	µg/L	1	6/28/2005
1,2-Dibromoethane	ND	5.0	µg/L	1	6/28/2005
1,2-Dichlorobenzene	ND	5.0	µg/L	1	6/28/2005
1,2-Dichloroethane	ND	5.0	µg/L	1	6/28/2005
1,2-Dichloropropane	ND	5.0	µg/L	1	6/28/2005
1,3,5-Trimethylbenzene	ND	5.0	µg/L	1	6/28/2006
1,3-Dichlorobenzene	ND	5.0	µg/L	1	6/28/2005
1,3-Dichloropropane	ND	5.0	µg/L	1	6/28/2005
1,4-Dichlorobenzene	ND	5.0	µg/L	1	6/28/2005
2,2-Dichloropropane	ND	5.0	µg/L	1	6/28/2005
2-Chlorotoluene	ND	5.0	µg/L	1	6/28/2005
4-Chlorotoluene	ND	5.0	µg/L	1	6/28/2005
4-Isopropyltoluene	ND	5.0	µg/L	1	6/28/2005
Benzene	ND	5.0	µg/L	1	6/28/2005
Bromobenzene	ND	5.0	µg/L	1	6/28/2005
Bromodichloromethane	ND	5.0	µg/L	1	6/28/2005
Bromoform	ND	5.0	µg/L	1	6/28/2005
Bromomethane	ND	5.0	µg/L	1	6/28/2005
Carbon tetrachloride	ND	5.0	µg/L	1	6/28/2005
Chlorobenzene	ND	5.0	µg/L	1	6/28/2005

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank E - Value above quantitation range
 DO - Surrogate Diluted Out H-Samples exceeding holding time

Results are wet unless otherwise specified

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Advanced Technology Laboratories

Date: 28-Jun-05

CLIENT: SCS Engineers
Lab Order: 077300
Project: Long Beach City Tow Yard, 01204007.02
Lab ID: 077300-012

Client Sample ID: SCSB10-GW
Collection Date: 6/21/2005
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS11_050628A	QC Batch: A05VW187	PrepDate:	Analyst: MFR		
Chloroethane	ND	5.0	µg/L	1	6/28/2005
Chloroform	ND	5.0	µg/L	1	6/28/2005
Chloromethane	ND	5.0	µg/L	1	6/28/2005
cis-1,2-Dichloroethene	ND	5.0	µg/L	1	6/28/2005
cis-1,3-Dichloropropene	ND	5.0	µg/L	1	6/28/2005
Di-Isopropyl ether	ND	5.0	µg/L	1	6/28/2005
Dibromochloromethane	ND	5.0	µg/L	1	6/28/2005
Dibromomethane	ND	5.0	µg/L	1	6/28/2005
Dichlorodifluoromethane	ND	5.0	µg/L	1	6/28/2005
Ethyl tert-butyl ether	ND	5.0	µg/L	1	6/28/2005
Ethylbenzene	ND	5.0	µg/L	1	6/28/2005
Hexachlorobutadiene	ND	5.0	µg/L	1	6/28/2005
Isopropylbenzene	ND	5.0	µg/L	1	6/28/2005
m,p-Xylene	ND	10	µg/L	1	6/28/2005
Methylene chloride	ND	5.0	µg/L	1	6/28/2005
MTBE	ND	5.0	µg/L	1	6/28/2005
n-Butylbenzene	ND	5.0	µg/L	1	6/28/2005
n-Propylbenzene	ND	5.0	µg/L	1	6/28/2005
Naphthalene	ND	5.0	µg/L	1	6/28/2005
o-Xylene	ND	5.0	µg/L	1	6/28/2005
sec-Butylbenzene	ND	5.0	µg/L	1	6/28/2005
Styrene	ND	5.0	µg/L	1	6/28/2005
Tert-amyl methyl ether	ND	5.0	µg/L	1	6/28/2005
Tert-Butanol	ND	100	µg/L	1	6/28/2005
tert-Butylbenzene	ND	5.0	µg/L	1	6/28/2005
Tetrachloroethene	ND	5.0	µg/L	1	6/28/2005
Toluene	ND	5.0	µg/L	1	6/28/2005
trans-1,2-Dichloroethene	ND	5.0	µg/L	1	6/28/2005
Trichloroethene	ND	5.0	µg/L	1	6/28/2005
Trichlorofluoromethane	ND	5.0	µg/L	1	6/28/2005
Vinyl chloride	ND	5.0	µg/L	1	6/28/2005

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DO - Surrogate Diluted Out

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H-Samples exceeding holding time

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Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 28-Jun-05

CLIENT: SCS Engineers Client Sample ID: SCSB11-S'
 Lab Order: 077300
 Project: Long Beach City Tow Yard, 01204007.02 Collection Date: 6/21/2005
 Lab ID: 077300-013 Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC1_050624A QC Batch: D05VS122 PrepDate: 6/21/2005 Analyst: TT
 GRO ND 49 mg/Kg 50 6/24/2005

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS1_050627A	QC Batch: P05VS096	PrepDate: 6/21/2005	Analyst: HH
1,1,1,2-Tetrachloroethane	ND	4.1	µg/Kg 1 6/27/2005
1,1,1-Trichloroethane	ND	4.1	µg/Kg 1 6/27/2005
1,1,2,2-Tetrachloroethane	ND	4.1	µg/Kg 1 6/27/2005
1,1,2-Trichloroethane	ND	4.1	µg/Kg 1 6/27/2005
1,1-Dichloroethane	ND	4.1	µg/Kg 1 6/27/2005
1,1-Dichloroethene	ND	4.1	µg/Kg 1 6/27/2005
1,1-Dichloropropene	ND	4.1	µg/Kg 1 6/27/2005
1,2,3-Trichlorobenzene	ND	4.1	µg/Kg 1 6/27/2005
1,2,3-Trichloropropane	ND	4.1	µg/Kg 1 6/27/2005
1,2,4-Trichlorobenzene	ND	4.1	µg/Kg 1 6/27/2005
1,2,4-Trimethylbenzene	ND	4.1	µg/Kg 1 6/27/2005
1,2-Dibromo-3-chloropropane	ND	8.2	µg/Kg 1 6/27/2005
1,2-Dibromoethane	ND	4.1	µg/Kg 1 6/27/2005
1,2-Dichlorobenzene	ND	4.1	µg/Kg 1 6/27/2005
1,2-Dichloroethane	ND	4.1	µg/Kg 1 6/27/2005
1,2-Dichloropropane	ND	4.1	µg/Kg 1 6/27/2005
1,3,5-Trimethylbenzene	ND	4.1	µg/Kg 1 6/27/2005
1,3-Dichlorobenzene	ND	4.1	µg/Kg 1 6/27/2005
1,3-Dichloropropane	ND	4.1	µg/Kg 1 6/27/2005
1,4-Dichlorobenzene	ND	4.1	µg/Kg 1 6/27/2005
2,2-Dichloropropane	ND	4.1	µg/Kg 1 6/27/2005
2-Chlorotoluene	ND	4.1	µg/Kg 1 6/27/2005
4-Chlorotoluene	ND	4.1	µg/Kg 1 6/27/2005
4-Isopropyltoluene	ND	4.1	µg/Kg 1 6/27/2005
Benzene	ND	4.1	µg/Kg 1 6/27/2005
Bromobenzene	ND	4.1	µg/Kg 1 6/27/2005
Bromodichloromethane	ND	4.1	µg/Kg 1 6/27/2005
Bromoform	ND	4.1	µg/Kg 1 6/27/2005
Bromomethane	ND	4.1	µg/Kg 1 6/27/2005
Carbon tetrachloride	ND	4.1	µg/Kg 1 6/27/2005
Chlorobenzene	ND	4.1	µg/Kg 1 6/27/2005

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank E - Value above quantitation range
 DO - Surrogate Diluted Out H-Samples exceeding holding time

Results are wet unless otherwise specified

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Advanced Technology Laboratories

Date: 28-Jun-05

CLIENT:	SCS Engineers	Client Sample ID:	SCSB11-5'
Lab Order:	077300		
Project:	Long Beach City Tow Yard, 01204007.02	Collection Date:	6/21/2005
Lab ID:	077300-013	Matrix:	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS1_050627A	QC Batch: P05VS096	PrepDate: 6/21/2005	Analyst: HH		
Chloroethane	ND	4.1	µg/Kg	1	8/27/2005
Chloroform	ND	4.1	µg/Kg	1	8/27/2005
Chloromethane	ND	4.1	µg/Kg	1	8/27/2005
cis-1,2-Dichloroethene	ND	4.1	µg/Kg	1	8/27/2005
cis-1,3-Dichloropropene	ND	4.1	µg/Kg	1	8/27/2005
Di-isopropyl ether	ND	4.1	µg/Kg	1	8/27/2005
Dibromochloromethane	ND	4.1	µg/Kg	1	8/27/2005
Dibromomethane	ND	4.1	µg/Kg	1	8/27/2005
Dichlorodifluoromethane	ND	4.1	µg/Kg	1	8/27/2005
Ethyl Tert-butyl ether	ND	4.1	µg/Kg	1	8/27/2005
Ethylbenzene	ND	4.1	µg/Kg	1	8/27/2005
Hexachlorobutadiene	ND	4.1	µg/Kg	1	8/27/2005
Isopropylbenzene	ND	4.1	µg/Kg	1	8/27/2005
m,p-Xylene	ND	8.2	µg/Kg	1	8/27/2005
Methylene chloride	ND	4.1	µg/Kg	1	8/27/2005
MTBE	ND	4.1	µg/Kg	1	8/27/2005
n-Butylbenzene	ND	4.1	µg/Kg	1	8/27/2005
n-Propylbenzene	ND	4.1	µg/Kg	1	8/27/2005
Naphthalene	ND	4.1	µg/Kg	1	8/27/2005
o-Xylene	ND	4.1	µg/Kg	1	8/27/2005
sec-Butylbenzene	ND	4.1	µg/Kg	1	8/27/2005
Styrene	ND	4.1	µg/Kg	1	8/27/2005
Tert-amyl methyl ether	ND	4.1	µg/Kg	1	8/27/2005
Tert-Butanol	ND	82	µg/Kg	1	8/27/2005
tert-Butylbenzene	ND	4.1	µg/Kg	1	8/27/2005
Tetrachloroethene	ND	4.1	µg/Kg	1	8/27/2005
Toluene	ND	4.1	µg/Kg	1	8/27/2005
trans-1,2-Dichloroethene	ND	4.1	µg/Kg	1	8/27/2005
Trichloroethene	ND	4.1	µg/Kg	1	8/27/2005
Trichlorofluoromethane	ND	4.1	µg/Kg	1	8/27/2005
Vinyl chloride	ND	4.1	µg/Kg	1	8/27/2005

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	E - Value above quantitation range
	DO - Surrogate Diluted Out	H-Samples exceeding holding time

Results are wet unless otherwise specified

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Advanced Technology Laboratories

Date: 28-Jun-05

CLIENT: SCS Engineers **Client Sample ID:** SCSB11-10'
Lab Order: 077300
Project: Long Beach City Tow Yard, 01204007.02 **Collection Date:** 6/21/2005
Lab ID: 077300-014 **Matrix:** SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC1_050624A QC Batch: O05VS122 PrepDate: 6/21/2005 Analyst: TT
 GRO 77 39 mg/Kg 50 6/24/2005

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID:	MS1_050627A	QC Batch:	P05VS096	PrepDate:	6/21/2005	Analyst:	HH
1,1,1,2-Tetrachloroethane	ND	200	µg/Kg	50	6/27/2005		
1,1,1-Trichloroethane	ND	200	µg/Kg	50	6/27/2005		
1,1,2,2-Tetrachloroethane	ND	200	µg/Kg	50	6/27/2005		
1,1,2-Trichloroethane	ND	200	µg/Kg	50	6/27/2005		
1,1-Dichloroethane	ND	200	µg/Kg	50	6/27/2005		
1,1-Dichloroethene	ND	200	µg/Kg	50	6/27/2005		
1,1-Dichloropropene	ND	200	µg/Kg	50	6/27/2005		
1,2,3-Trichlorobenzene	ND	200	µg/Kg	50	6/27/2005		
1,2,3-Trichloropropane	ND	200	µg/Kg	50	6/27/2005		
1,2,4-Trichlorobenzene	ND	200	µg/Kg	50	6/27/2005		
1,2,4-Trimethylbenzene	ND	200	µg/Kg	50	6/27/2005		
1,2-Dibromo-3-chloropropane	ND	380	µg/Kg	50	6/27/2005		
1,2-Dibromoethane	ND	200	µg/Kg	50	6/27/2005		
1,2-Dichlorobenzene	ND	200	µg/Kg	50	6/27/2005		
1,2-Dichloroethane	ND	200	µg/Kg	50	6/27/2005		
1,2-Dichloropropane	ND	200	µg/Kg	50	6/27/2005		
1,3,5-Trimethylbenzene	ND	200	µg/Kg	50	6/27/2005		
1,3-Dichlorobenzene	ND	200	µg/Kg	50	6/27/2005		
1,3-Dichloropropane	ND	200	µg/Kg	50	6/27/2005		
1,4-Dichlorobenzene	ND	200	µg/Kg	50	6/27/2005		
2,2-Dichloropropane	ND	200	µg/Kg	50	6/27/2005		
2-Chlorotoluene	ND	200	µg/Kg	50	6/27/2005		
4-Chlorotoluene	ND	200	µg/Kg	50	6/27/2005		
4-Isopropyltoluene	ND	200	µg/Kg	50	6/27/2005		
Benzene	ND	200	µg/Kg	50	6/27/2005		
Bromobenzene	ND	200	µg/Kg	50	6/27/2005		
Bromodichloromethane	ND	200	µg/Kg	50	6/27/2005		
Bromoform	ND	200	µg/Kg	50	6/27/2005		
Bromomethane	ND	200	µg/Kg	50	6/27/2005		
Carbon tetrachloride	ND	200	µg/Kg	50	6/27/2005		
Chlorobenzene	ND	200	µg/Kg	50	6/27/2005		

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits
 I - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank E - Value above quantitation range
 DO - Surrogate Diluted Out H-Samples exceeding holding time

Results are wet unless otherwise specified

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Advanced Technology Laboratories

Date: 28-Jun-05

CLIENT: SCS Engineers Client Sample ID: SCSB11-10'
 Lab Order: 077300
 Project: Long Beach City Tow Yard, 01204007.02 Collection Date: 6/21/2005
 Lab ID: 077300-014 Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS1_050627A	QC Batch: P05VS098	PrepDate: 6/21/2005	Analyst: HH		
Chloroethane	ND	200	µg/Kg	50	6/27/2005
Chloroform	ND	200	µg/Kg	50	6/27/2005
Chloromethane	ND	200	µg/Kg	50	6/27/2005
cis-1,2-Dichloroethene	ND	200	µg/Kg	50	6/27/2005
cis-1,3-Dichloropropene	ND	200	µg/Kg	50	6/27/2005
Di-isopropyl ether	ND	200	µg/Kg	50	6/27/2005
Dibromochloromethane	ND	200	µg/Kg	50	6/27/2005
Dibromomethane	ND	200	µg/Kg	50	6/27/2005
Dichlorodifluoromethane	ND	200	µg/Kg	50	6/27/2005
Ethyl Tert-butyl ether	ND	200	µg/Kg	50	6/27/2005
Ethylbenzene	ND	200	µg/Kg	50	6/27/2005
Hexachlorobutadiene	ND	200	µg/Kg	50	6/27/2005
Isopropylbenzene	ND	200	µg/Kg	50	6/27/2005
m,p-Xylene	ND	390	µg/Kg	50	6/27/2005
Methylene chloride	ND	200	µg/Kg	50	6/27/2005
MTBE	ND	200	µg/Kg	50	6/27/2005
n-Butylbenzene	ND	200	µg/Kg	50	6/27/2005
n-Propylbenzene	470	200	µg/Kg	50	6/27/2005
Naphthalene	ND	200	µg/Kg	50	6/27/2005
o-Xylene	ND	200	µg/Kg	50	6/27/2005
sec-Butylbenzene	ND	200	µg/Kg	50	6/27/2005
Styrene	ND	200	µg/Kg	50	6/27/2005
Tert-amyl methyl ether	ND	200	µg/Kg	50	6/27/2005
Tert-Butanol	ND	3900	µg/Kg	50	6/27/2005
tert-Butylbenzene	ND	200	µg/Kg	50	6/27/2005
Tetrachloroethene	ND	200	µg/Kg	50	6/27/2005
Toluene	ND	200	µg/Kg	50	6/27/2005
trans-1,2-Dichloroethene	ND	200	µg/Kg	50	6/27/2005
Trichloroethene	ND	200	µg/Kg	50	6/27/2005
Trichlorofluoromethane	ND	200	µg/Kg	50	6/27/2005
Vinyl chloride	ND	200	µg/Kg	50	6/27/2005

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank E - Value above quantitation range
 DO - Surrogate Diluted Out H-Samples exceeding holding time Page 28 of 36
 Results are wet unless otherwise specified



Advanced Technology Laboratories

Date: 28-Jun-05

CLIENT: SCS Engineers **Client Sample ID:** SCSB11-GW
Lab Order: 077300
Project: Long Beach City Tow Yard, 01204007.02 **Collection Date:** 6/21/2005
Lab ID: 077300-015 **Matrix:** WATER

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC6_050624A **QC Batch:** I05VW121 **PrepDate:** **Analyst:** MFR
GRO 0.30 0.20 mg/L 1 6/24/2005

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID:	MS11_050628A	QC Batch:	A05VW187	PrepDate:	Analyst:	MFR
1,1,1,2-Tetrachloroethane	ND	5.0	µg/L	1	6/28/2005	
1,1,1-Trichloroethane	ND	5.0	µg/L	1	6/28/2005	
1,1,2,2-Tetrachloroethane	ND	5.0	µg/L	1	6/28/2005	
1,1,2-Trichloroethane	ND	5.0	µg/L	1	6/28/2005	
1,1-Dichloroethane	ND	5.0	µg/L	1	6/28/2005	
1,1-Dichloroethene	ND	5.0	µg/L	1	6/28/2005	
1,1-Dichloropropene	ND	5.0	µg/L	1	6/28/2005	
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1	6/28/2005	
1,2,3-Trichloropropane	ND	5.0	µg/L	1	6/28/2005	
1,2,4-Trichlorobenzene	ND	5.0	µg/L	1	6/28/2005	
1,2,4-Trimethylbenzene	13	5.0	µg/L	1	6/28/2005	
1,2-Dibromo-3-chloropropane	ND	5.0	µg/L	1	6/28/2005	
1,2-Dibromoethane	ND	5.0	µg/L	1	6/28/2005	
1,2-Dichlorobenzene	ND	5.0	µg/L	1	6/28/2005	
1,2-Dichloroethane	ND	5.0	µg/L	1	6/28/2005	
1,2-Dichloropropane	ND	5.0	µg/L	1	6/28/2005	
1,3,5-Trimethylbenzene	ND	5.0	µg/L	1	6/28/2005	
1,3-Dichlorobenzene	ND	5.0	µg/L	1	6/28/2005	
1,3-Dichloropropane	ND	5.0	µg/L	1	6/28/2005	
1,4-Dichlorobenzene	ND	5.0	µg/L	1	6/28/2005	
2,2-Dichloropropane	ND	5.0	µg/L	1	6/28/2005	
2-Chlorotoluene	ND	5.0	µg/L	1	6/28/2005	
4-Chlorotoluene	ND	5.0	µg/L	1	6/28/2005	
4-Isopropyltoluene	ND	5.0	µg/L	1	6/28/2005	
Benzene	ND	5.0	µg/L	1	6/28/2005	
Bromobenzene	ND	5.0	µg/L	1	6/28/2005	
Bromodichloromethane	ND	5.0	µg/L	1	6/28/2005	
Bromoform	ND	5.0	µg/L	1	6/28/2005	
Bromomethane	ND	5.0	µg/L	1	6/28/2005	
Carbon tetrachloride	ND	5.0	µg/L	1	6/28/2005	
Chlorobenzene	ND	5.0	µg/L	1	6/28/2005	

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank E - Value above quantitation range
 DO - Surrogate Diluted Out H-Samples exceeding holding time

Results are wet unless otherwise specified

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Advanced Technology Laboratories

Date: 28-Jun-05

CLIENT: SCS Engineers
Lab Order: 077300
Project: Long Beach City Tow Yard, 01204007.02
Lab ID: 077300-015

Client Sample ID: SCSB11-GW
Collection Date: 6/21/2005
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS11_050628A	QC Batch: A05VW187	PrepDate:	Analyst: MFR		
Chloroethane	ND	5.0	µg/L	1	6/28/2005
Chloroform	ND	5.0	µg/L	1	6/28/2005
Chloromethane	ND	5.0	µg/L	1	6/28/2005
cis-1,2-Dichloroethene	ND	5.0	µg/L	1	6/28/2005
cis-1,3-Dichloropropene	ND	5.0	µg/L	1	6/28/2005
Di-isopropyl ether	ND	5.0	µg/L	1	6/28/2005
Dibromochloromethane	ND	5.0	µg/L	1	6/28/2005
Dibromomethane	ND	5.0	µg/L	1	6/28/2005
Dichlorodifluoromethane	ND	5.0	µg/L	1	6/28/2005
Ethyl tert-butyl ether	ND	5.0	µg/L	1	6/28/2005
Ethylbenzene	5.1	5.0	µg/L	1	6/28/2005
Hexachlorobutadiene	ND	5.0	µg/L	1	6/28/2005
Isopropylbenzene	ND	5.0	µg/L	1	6/28/2005
m,p-Xylene	ND	10	µg/L	1	6/28/2005
Methylene chloride	ND	5.0	µg/L	1	6/28/2005
MTBE	ND	5.0	µg/L	1	6/28/2005
n-Butylbenzene	ND	5.0	µg/L	1	6/28/2005
n-Propylbenzene	ND	5.0	µg/L	1	6/28/2005
Naphthalene	ND	5.0	µg/L	1	6/28/2005
o-Xylene	ND	5.0	µg/L	1	6/28/2005
sec-Butylbenzene	ND	5.0	µg/L	1	6/28/2005
Styrene	ND	5.0	µg/L	1	6/28/2005
Tert-amyl methyl ether	ND	5.0	µg/L	1	6/28/2005
Tert-Butanol	ND	100	µg/L	1	6/28/2005
tert-Butylbenzene	ND	5.0	µg/L	1	6/28/2005
Tetrachloroethene	ND	5.0	µg/L	1	6/28/2005
Toluene	ND	5.0	µg/L	1	6/28/2005
trans-1,2-Dichloroethene	ND	5.0	µg/L	1	6/28/2005
Trichloroethene	ND	5.0	µg/L	1	6/28/2005
Trichlorofluoromethane	ND	5.0	µg/L	1	6/28/2005
Vinyl chloride	ND	5.0	µg/L	1	6/28/2005

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank E - Value above quantitation range
DO - Surrogate Diluted Out H-Samples exceeding holding time

Results are wet unless otherwise specified

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Laboratories

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3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 28-Jun-05

CLIENT: SCS Engineers **Client Sample ID:** SCSB12-5'
Lab Order: 077300
Project: Long Beach City Tow Yard, 01204007.02 **Collection Date:** 6/21/2005
Lab ID: 077300-016 **Matrix:** SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC1_050624A	QC Batch: D05VS122	PrepDate: 6/21/2005	Analyst: TT
GRO	ND	46	mg/Kg
		50	6/24/2005

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS1_050627A	QC Batch: P05VS086	PrepDate: 6/21/2005	Analyst: HH
1,1,1,2-Tetrachloroethane	ND	4.2	µg/Kg
1,1,1-Trichloroethane	ND	4.2	µg/Kg
1,1,2,2-Tetrachloroethane	ND	4.2	µg/Kg
1,1,2-Trichloroethane	ND	4.2	µg/Kg
1,1-Dichloroethane	ND	4.2	µg/Kg
1,1-Dichloroethene	ND	4.2	µg/Kg
1,1-Dichloropropene	ND	4.2	µg/Kg
1,2,3-Trichlorobenzene	ND	4.2	µg/Kg
1,2,3-Trichloropropane	ND	4.2	µg/Kg
1,2,4-Trichlorobenzene	ND	4.2	µg/Kg
1,2,4-Trimethylbenzene	ND	4.2	µg/Kg
1,2-Dibromo-3-chloropropane	ND	8.4	µg/Kg
1,2-Dibromoethane	ND	4.2	µg/Kg
1,2-Dichlorobenzene	ND	4.2	µg/Kg
1,2-Dichloroethane	ND	4.2	µg/Kg
1,2-Dichloropropane	ND	4.2	µg/Kg
1,3,5-Trimethylbenzene	ND	4.2	µg/Kg
1,3-Dichlorobenzene	ND	4.2	µg/Kg
1,3-Dichloropropane	ND	4.2	µg/Kg
1,4-Dichlorobenzene	ND	4.2	µg/Kg
2,2-Dichloropropane	ND	4.2	µg/Kg
2-Chlorotoluene	ND	4.2	µg/Kg
4-Chlorotoluene	ND	4.2	µg/Kg
4-Isopropyltoluene	ND	4.2	µg/Kg
Benzene	ND	4.2	µg/Kg
Bromobenzene	ND	4.2	µg/Kg
Bromodichloromethane	ND	4.2	µg/Kg
Bromoform	ND	4.2	µg/Kg
Bromomethane	ND	4.2	µg/Kg
Carbon tetrachloride	ND	4.2	µg/Kg
Chlorobenzene	ND	4.2	µg/Kg

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits
 I - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank E - Value above quantitation range
 DO - Surrogate Diluted Out H-Samples exceeding holding time

Results are wet unless otherwise specified

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Advanced Technology
Laboratories

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3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 28-Jun-05

CLIENT: SCS Engineers Client Sample ID: SCSB12-5'
 Lab Order: 077300
 Project: Long Beach City Tow Yard, 01204007.02 Collection Date: 6/21/2005
 Lab ID: 077300-016 Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS1_050627A	QC Batch: P05VS096	PrepDate: 6/21/2005	Analyst: HH		
Chloroethane	ND	4.2	µg/Kg	1	6/27/2005
Chloroform	ND	4.2	µg/Kg	1	6/27/2005
Chloromethane	ND	4.2	µg/Kg	1	6/27/2005
cis-1,2-Dichloroethene	ND	4.2	µg/Kg	1	6/27/2005
cis-1,3-Dichloropropene	ND	4.2	µg/Kg	1	6/27/2005
Di-isopropyl ether	ND	4.2	µg/Kg	1	6/27/2005
Dibromochloromethane	ND	4.2	µg/Kg	1	6/27/2005
Dibromomethane	ND	4.2	µg/Kg	1	6/27/2005
Dichlorodifluoromethane	ND	4.2	µg/Kg	1	6/27/2005
Ethyl Tert-butyl ether	ND	4.2	µg/Kg	1	6/27/2005
Ethylbenzene	ND	4.2	µg/Kg	1	6/27/2005
Hexachlorobutadiene	ND	4.2	µg/Kg	1	6/27/2005
Isopropylbenzene	ND	4.2	µg/Kg	1	6/27/2005
m,p-Xylene	ND	8.4	µg/Kg	1	6/27/2005
Methylene chloride	ND	4.2	µg/Kg	1	6/27/2005
MTBE	ND	4.2	µg/Kg	1	6/27/2005
n-Butylbenzene	ND	4.2	µg/Kg	1	6/27/2005
n-Propylbenzene	ND	4.2	µg/Kg	1	6/27/2005
Naphthalene	ND	4.2	µg/Kg	1	6/27/2005
o-Xylene	ND	4.2	µg/Kg	1	6/27/2005
sec-Butylbenzene	ND	4.2	µg/Kg	1	6/27/2005
Styrene	ND	4.2	µg/Kg	1	6/27/2005
Tert-amyl methyl ether	ND	4.2	µg/Kg	1	6/27/2005
Tert-Butanol	ND	84	µg/Kg	1	6/27/2005
tert-Butylbenzene	ND	4.2	µg/Kg	1	6/27/2005
Tetrachloroethene	ND	4.2	µg/Kg	1	6/27/2005
Toluene	ND	4.2	µg/Kg	1	6/27/2005
trans-1,2-Dichloroethene	ND	4.2	µg/Kg	1	6/27/2005
Trichloroethene	ND	4.2	µg/Kg	1	6/27/2005
Trichlorofluoromethane	ND	4.2	µg/Kg	1	6/27/2005
Vinyl chloride	ND	4.2	µg/Kg	1	6/27/2005

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank E - Value above quantitation range
 DO - Surrogate Diluted Out H-Samples exceeding holding time

Results are wet unless otherwise specified

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Advanced Technology
Laboratories

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3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 28-Jun-05

CLIENT: SCS Engineers Client Sample ID: SCSB12-10'
 Lab Order: 077300
 Project: Long Beach City Tow Yard, 01204007.02 Collection Date: 6/21/2005
 Lab ID: 077300-017 Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC1_050624A QC Batch: D05VS122 PrepDate: 6/21/2005 Analyst: TT
 GRO 200 42 mg/Kg 50 6/24/2005

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID:	MS1_050627A	QC Batch:	P05VS096	PrepDate:	6/21/2005	Analyst:	HH
1,1,1,2-Tetrachloroethane	ND	210	µg/Kg	50	6/27/2005		
1,1,1-Trichloroethane	ND	210	µg/Kg	50	6/27/2005		
1,1,2,2-Tetrachloroethane	ND	210	µg/Kg	50	6/27/2005		
1,1,2-Trichloroethane	ND	210	µg/Kg	50	6/27/2005		
1,1-Dichloroethane	ND	210	µg/Kg	50	6/27/2005		
1,1-Dichloroethene	ND	210	µg/Kg	50	6/27/2005		
1,1-Dichloropropene	ND	210	µg/Kg	50	6/27/2005		
1,2,3-Trichlorobenzene	ND	210	µg/Kg	50	6/27/2005		
1,2,3-Trichloropropane	ND	210	µg/Kg	50	6/27/2005		
1,2,4-Trichlorobenzene	ND	210	µg/Kg	50	6/27/2005		
1,2,4-Trimethylbenzene	ND	210	µg/Kg	50	6/27/2005		
1,2-Dibromo-3-chloropropane	ND	420	µg/Kg	50	6/27/2005		
1,2-Dibromoethane	ND	210	µg/Kg	50	6/27/2005		
1,2-Dichlorobenzene	ND	210	µg/Kg	50	6/27/2005		
1,2-Dichloroethane	ND	210	µg/Kg	50	6/27/2005		
1,2-Dichloropropane	ND	210	µg/Kg	50	6/27/2005		
1,3,5-Trimethylbenzene	ND	210	µg/Kg	50	6/27/2005		
1,3-Dichlorobenzene	ND	210	µg/Kg	50	6/27/2005		
1,3-Dichloropropane	ND	210	µg/Kg	50	6/27/2005		
1,4-Dichlorobenzene	ND	210	µg/Kg	50	6/27/2005		
2,2-Dichloropropane	ND	210	µg/Kg	50	6/27/2005		
2-Chlorotoluene	ND	210	µg/Kg	50	6/27/2005		
4-Chlorotoluene	ND	210	µg/Kg	50	6/27/2005		
4-Isopropyltoluene	ND	210	µg/Kg	50	6/27/2005		
Benzene	ND	210	µg/Kg	50	6/27/2005		
Bromobenzene	ND	210	µg/Kg	50	6/27/2005		
Bromodichloromethane	ND	210	µg/Kg	50	6/27/2005		
Bromoform	ND	210	µg/Kg	50	6/27/2005		
Bromomethane	ND	210	µg/Kg	50	6/27/2005		
Carbon tetrachloride	ND	210	µg/Kg	50	6/27/2005		
Chlorobenzene	ND	210	µg/Kg	50	6/27/2005		

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank E - Value above quantitation range
 DO - Surrogate Diluted Out H-Samples exceeding holding time

Results are wet unless otherwise specified

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3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 28-Jun-05

CLIENT: SCS Engineers **Client Sample ID:** SCSB12-10'
Lab Order: 077300
Project: Long Beach City Tow Yard, 01204007.02 **Collection Date:** 6/21/2005
Lab ID: 077300-017 **Matrix:** SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS1_050627A	QC Batch: P05VS096	PrepDate: 6/21/2005	Analyst: HH		
Chloroethane	ND	210	µg/Kg	50	6/27/2005
Chloroform	ND	210	µg/Kg	50	6/27/2005
Chloromethane	ND	210	µg/Kg	50	6/27/2005
cis-1,2-Dichloroethene	ND	210	µg/Kg	50	6/27/2005
cis-1,3-Dichloropropene	ND	210	µg/Kg	50	6/27/2005
Di-isopropyl ether	ND	210	µg/Kg	50	6/27/2005
Dibromochloromethane	ND	210	µg/Kg	50	6/27/2005
Dibromomethane	ND	210	µg/Kg	50	6/27/2005
Dichlorodifluoromethane	ND	210	µg/Kg	50	6/27/2005
Ethyl Tert-butyl ether	ND	210	µg/Kg	50	6/27/2005
Ethylbenzene	ND	210	µg/Kg	50	6/27/2005
Hexachlorobutadiene	ND	210	µg/Kg	50	6/27/2005
Isopropylbenzene	ND	210	µg/Kg	50	6/27/2005
m,p-Xylene	ND	420	µg/Kg	50	6/27/2005
Methylene chloride	ND	210	µg/Kg	50	6/27/2005
MTBE	ND	210	µg/Kg	50	6/27/2005
n-Butylbenzene	ND	210	µg/Kg	50	6/27/2005
n-Propylbenzene	ND	210	µg/Kg	50	6/27/2005
Naphthalene	ND	210	µg/Kg	50	6/27/2005
o-Xylene	ND	210	µg/Kg	50	6/27/2005
sec-Butylbenzene	740	210	µg/Kg	50	6/27/2005
Styrene	ND	210	µg/Kg	50	6/27/2005
Tert-amyl methyl ether	ND	210	µg/Kg	50	6/27/2005
Tert-Butanol	ND	4200	µg/Kg	50	6/27/2005
tert-Butylbenzene	ND	210	µg/Kg	50	6/27/2005
Tetrachloroethene	ND	210	µg/Kg	50	6/27/2005
Toluene	ND	210	µg/Kg	50	6/27/2005
trans-1,2-Dichloroethene	ND	210	µg/Kg	50	6/27/2005
Trichloroethene	ND	210	µg/Kg	50	6/27/2005
Trichlorofluoromethane	ND	210	µg/Kg	50	6/27/2005
Vinyl chloride	ND	210	µg/Kg	50	6/27/2005

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank E - Value above quantitation range
 DO - Surrogate Diluted Out H-Samples exceeding holding time

Results are wet unless otherwise specified

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Advanced Technology Laboratories

Date: 28-Jun-05

CLIENT: SCS Engineers **Client Sample ID:** SCSB12-GW
Lab Order: 077300
Project: Long Beach City Tow Yard, 01204007.02 **Collection Date:** 6/21/2005
Lab ID: 077300-018 **Matrix:** WATER

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC6_050624A	QC Batch: I05VW121	PrepDate:	Analyst: MFR
GRO	ND	0.20 mg/L	1
			6/24/2005

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS11_050628A	QC Batch: A05VW187	PrepDate:	Analyst: MFR
1,1,1,2-Tetrachloroethane	ND	5.0 µg/L	1
1,1,1-Trichloroethane	ND	5.0 µg/L	1
1,1,2,2-Tetrachloroethane	ND	5.0 µg/L	1
1,1,2-Trichloroethane	ND	5.0 µg/L	1
1,1-Dichloroethane	ND	5.0 µg/L	1
1,1-Dichloroethene	ND	5.0 µg/L	1
1,1-Dichloropropene	ND	5.0 µg/L	1
1,2,3-Trichlorobenzene	ND	5.0 µg/L	1
1,2,3-Trichloropropane	ND	5.0 µg/L	1
1,2,4-Trichlorobenzene	ND	5.0 µg/L	1
1,2,4-Trimethylbenzene	ND	5.0 µg/L	1
1,2-Dibromo-3-chloropropane	ND	5.0 µg/L	1
1,2-Dibromoethane	ND	5.0 µg/L	1
1,2-Dichlorobenzene	ND	5.0 µg/L	1
1,2-Dichloroethane	ND	5.0 µg/L	1
1,2-Dichloropropane	ND	5.0 µg/L	1
1,3,5-Trimethylbenzene	ND	5.0 µg/L	1
1,3-Dichlorobenzene	ND	5.0 µg/L	1
1,3-Dichloropropane	ND	5.0 µg/L	1
1,4-Dichlorobenzene	ND	5.0 µg/L	1
2,2-Dichloropropane	ND	5.0 µg/L	1
2-Chlorotoluene	ND	5.0 µg/L	1
4-Chlorotoluene	ND	5.0 µg/L	1
4-Isopropyltoluene	ND	5.0 µg/L	1
Benzene	ND	5.0 µg/L	1
Bromobenzene	ND	5.0 µg/L	1
Bromodichloromethane	ND	5.0 µg/L	1
Bromoform	ND	5.0 µg/L	1
Bromomethane	ND	5.0 µg/L	1
Carbon tetrachloride	ND	5.0 µg/L	1
Chlorobenzene	ND	5.0 µg/L	1

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank E - Value above quantitation range
 DO - Surrogate Diluted Out H-Samples exceeding holding time

Results are wet unless otherwise specified

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Advanced Technology Laboratories

Date: 28-Jun-05

CLIENT: SCS Engineers **Client Sample ID:** SCSB12-GW
Lab Order: 077300
Project: Long Beach City Tow Yard, 01204007.02 **Collection Date:** 6/21/2005
Lab ID: 077300-018 **Matrix:** WATER

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS11_050628A	QC Batch: A05VW187	PrepDate:	Analyst: MFR		
Chloroethane	ND	5.0	µg/L	1	6/28/2005
Chloroform	ND	5.0	µg/L	1	6/28/2005
Chloromethane	ND	5.0	µg/L	1	6/28/2005
cis-1,2-Dichloroethene	ND	5.0	µg/L	1	6/28/2005
cis-1,3-Dichloropropene	ND	5.0	µg/L	1	6/28/2005
Di-Isopropyl ether	ND	5.0	µg/L	1	6/28/2005
Dibromochloromethane	ND	5.0	µg/L	1	6/28/2005
Dibromomethane	ND	5.0	µg/L	1	6/28/2005
Dichlorodifluoromethane	ND	5.0	µg/L	1	6/28/2005
Ethyl tert-butyl ether	ND	5.0	µg/L	1	6/28/2005
Ethylbenzene	ND	5.0	µg/L	1	6/28/2005
Hexachlorobutadiene	ND	5.0	µg/L	1	6/28/2005
Isopropylbenzene	ND	5.0	µg/L	1	6/28/2005
m,p-Xylene	ND	10	µg/L	1	6/28/2005
Methylene chloride	ND	5.0	µg/L	1	6/28/2005
MTBE	ND	5.0	µg/L	1	6/28/2005
n-Butylbenzene	ND	5.0	µg/L	1	6/28/2005
n-Propylbenzene	ND	5.0	µg/L	1	6/28/2005
Naphthalene	ND	5.0	µg/L	1	6/28/2005
o-Xylene	ND	5.0	µg/L	1	6/28/2005
sec-Butylbenzene	ND	5.0	µg/L	1	6/28/2005
Styrene	ND	5.0	µg/L	1	6/28/2005
Tert-amyl methyl ether	ND	5.0	µg/L	1	6/28/2005
Tert-Butanol	ND	100	µg/L	1	6/28/2005
tert-Butylbenzene	ND	5.0	µg/L	1	6/28/2005
Tetrachloroethene	ND	5.0	µg/L	1	6/28/2005
Toluene	ND	5.0	µg/L	1	6/28/2005
trans-1,2-Dichloroethene	ND	5.0	µg/L	1	6/28/2005
Trichloroethene	ND	5.0	µg/L	1	6/28/2005
Trichlorofluoromethane	ND	5.0	µg/L	1	6/28/2005
Vinyl chloride	ND	5.0	µg/L	1	6/28/2005

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank E - Value above quantitation range
 DO - Surrogate Diluted Out H-Samples exceeding holding time

Results are wet unless otherwise specified

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Laboratories

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3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040



CLIENT: SCS Engineers
 Work Order: 077300
 Project: Long Beach City Tow Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_G 5035P

Sample ID: E062405MB1	SampType: MBLK	TestCode: 8015_S_G 50	Units: mg/Kg	Prep Date:	Run ID: GC1_050624A						
Client ID: ZZZZZ	Batch ID: D05VS122	TestNo: EPA 8015B(M)		Analysis Date: 6/24/2005	SeqNo: 757111						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	1.0									
Surr: Bromofluorobenzene (FID)	73.49	0	100	0	73.5	35	139	0	0		

Sample ID: E062405LCS1	SampType: LCS	TestCode: 8015_S_G 50	Units: mg/Kg	Prep Date:	Run ID: GC1_050624A						
Client ID: ZZZZZ	Batch ID: D05VS122	TestNo: EPA 8015B(M)		Analysis Date: 6/24/2005	SeqNo: 757136						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.926	1.0	5	0	98.5	79	117	0	0		
Surr: Bromofluorobenzene (FID)	86.04	0	100	0	86	35	- 139	0	0		

Sample ID: E062405MB1MS	SampType: MS	TestCode: 8015_S_G 50	Units: mg/Kg	Prep Date:	Run ID: GC1_050624A						
Client ID: ZZZZZ	Batch ID: D05VS122	TestNo: EPA 8015B(M)		Analysis Date: 6/24/2005	SeqNo: 757112						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.98	1.0	5	0	99.6	35	134	0	0		
Surr: Bromofluorobenzene (FID)	83.53	0	100	0	83.5	35	139	0	0		

Sample ID: E062405MB1MSD	SampType: MSD	TestCode: 8015_S_G 50	Units: mg/Kg	Prep Date:	Run ID: GC1_050624A						
Client ID: ZZZZZ	Batch ID: D05VS122	TestNo: EPA 8015B(M)		Analysis Date: 6/24/2005	SeqNo: 757113						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.978	1.0	5	0	99.6	35	134	4.98	0.0402	30	
Surr: Bromofluorobenzene (FID)	83.96	0	100	0	84	35	139	0	0	30	

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits
 B - Analyte detected in the associated Method Blank
 Calculations are based on raw values

DO- Surrogate dilute out
 H - Sample exceeded holding time



CLIENT: SCS Engineers.
Work Order: 077300
Project: Long Beach City Tow Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT**TestCode: 8015_W_G PRES**

Sample ID: I062405MB1	SampType: MBLK	TestCode: 8015_W_G P	Units: mg/L	Prep Date:	Run ID: GC6_050624A						
Client ID: ZZZZZ	Batch ID: I05VW121	TestNo: EPA 8015B(M		Analysis Date: 6/24/2005	SeqNo: 757802						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	0.20									
Surr: Bromofluorobenzene (FID)	87.88	0	100	0	87.7	77	127	0	0		

Sample ID: I062705MB1	SampType: MBLK	TestCode: 8015_W_G P	Units: mg/L	Prep Date:	Run ID: GC6_050627A						
Client ID: ZZZZZ	Batch ID: I05VW122	TestNo: EPA 8015B(M		Analysis Date: 6/27/2005	SeqNo: 758071						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	0.20									
Surr: Bromofluorobenzene (FID)	88.87	0	100	0	88.9	77	127	0	0		

Sample ID: I062405LC2	SampType: LCS	TestCode: 8015_W_G P	Units: mg/L	Prep Date:	Run ID: GC6_050624A						
Client ID: ZZZZZ	Batch ID: I05VW121	TestNo: EPA 8015B(M		Analysis Date: 6/25/2005	SeqNo: 757810						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.917	0.20	1	0	91.7	70	115	0	0		
Surr: Bromofluorobenzene (FID)	90.18	0	100	0	90.2	77	127	0	0		

Sample ID: I062705LC2	SampType: LCS	TestCode: 8015_W_G P	Units: mg/L	Prep Date:	Run ID: GC6_050627A						
Client ID: ZZZZZ	Batch ID: I05VW122	TestNo: EPA 8015B(M		Analysis Date: 6/27/2005	SeqNo: 758073						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.942	0.20	1	0	94.2	70	115	0	0		
Surr: Bromofluorobenzene (FID)	86.95	0	100	0	86.9	77	127	0	0		

Sample ID: I062405MB1MS	SampType: MS	TestCode: 8015_W_G P	Units: mg/L	Prep Date:	Run ID: GC6_050624A						
Client ID: ZZZZZ	Batch ID: I05VW121	TestNo: EPA 8015B(M		Analysis Date: 6/24/2005	SeqNo: 757800						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.866	0.20	1	0	86.6	64	117	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits
 B - Analyte detected in the associated Method Blank
 Calculations are based on raw values

DO- Surrogate dilute out
 H - Sample exceeded holding time



CLIENT: SCS Engineers
 Work Order: 077300
 Project: Long Beach City Tow Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_W_G PRES

Sample ID: I062405MB1MS	SampType: MS	TestCode: 8015_W_G P	Units: mg/L	Prep Date:	Run ID: GC6_050624A						
Client ID: ZZZZZ	Batch ID: I05VW121	TestNo: EPA 8015B(M	Analysis Date: 6/24/2005	SeqNo: 757800							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Bromofluorobenzene (FID)	88.88	0	100	0	88.9	77	127	0	0		

Sample ID: I062705MB1MS	SampType: MS	TestCode: 8015_W_G P	Units: mg/L	Prep Date:	Run ID: GC6_050627A						
Client ID: ZZZZZ	Batch ID: I05VW122	TestNo: EPA 8015B(M		Analysis Date: 6/27/2005	SeqNo: 758070						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.838	0.20	1	0	83.8	64	117	0	0		
Surr: Bromofluorobenzene (FID)	88.82	0	100	0	88.8	77	127	0	0		

Sample ID: I062405MB1MSD	SampType: MSD	TestCode: 8015_W_G P	Units: mg/L	Prep Date:	Run ID: GC6_050624A						
Client ID: ZZZZZ	Batch ID: I05VW121	TestNo: EPA 8015B(M)		Analysis Date: 6/24/2005	SeqNo: 757801						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.824	0.20	1	0	82.4	64	117	0.866	4.97	30	
Surr: Bromofluorobenzene (FID)	87	0	100	0	87	77	127	0	0	0	

Sample ID: I062705MB1MSD	SampType: MSD	TestCode: 8015_W_G P	Units: mg/L	Prep Date:	Run ID: GC6_050627A						
Client ID: ZZZZZ	Batch ID: I05VW122	TestNo: EPA 8015B(M		Analysis Date: 6/27/2005	SeqNo: 758069						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.877	0.20	1	0	87.7	64	117	0.838	4.55	30	
Surr: Bromofluorobenzene (FID)	88.79	0	100	0	88.8	77	127	0	0	0	

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits
 B - Analyte detected in the associated Method Blank
 Calculations are based on raw values

DO- Surrogate dilute out
 H - Sample exceeded holding time



CLIENT: SCS Engineers
 Work Order: 077300
 Project: Long Beach City Tow Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S_5035

Sample ID: P050624MB2	SampType: MBLK	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:	Run ID: MS1_050624A						
Client ID: ZZZZZ	Batch ID: P05VS095	TestNo: EPA 8260B		Analysis Date: 6/24/2005	SeqNo: 757452						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0									
1,1,1-Trichloroethane	ND	5.0									
1,1,2,2-Tetrachloroethane	ND	5.0									
1,1,2-Trichloroethane	ND	5.0									
1,1-Dichloroethane	ND	5.0									
1,1-Dichloroethene	ND	5.0									
1,1-Dichloropropene	ND	5.0									
1,2,3-Trichlorobenzene	ND	5.0									
1,2,3-Trichloropropane	ND	5.0									
1,2,4-Trichlorobenzene	ND	5.0									
1,2,4-Trimethylbenzene	ND	5.0									
1,2-Dibromo-3-chloropropane	ND	10									
1,2-Dibromoethane	ND	5.0									
1,2-Dichlorobenzene	ND	5.0									
1,2-Dichloroethane	ND	5.0									
1,2-Dichloropropane	ND	5.0									
1,3,5-Trimethylbenzene	ND	5.0									
1,3-Dichlorobenzene	ND	5.0									
1,3-Dichloropropane	ND	5.0									
1,4-Dichlorobenzene	ND	5.0									
2,2-Dichloropropane	ND	5.0									
2-Chlorotoluene	ND	5.0									
4-Chlorotoluene	ND	5.0									
4-Isopropyltoluene	ND	5.0									
Benzene	ND	5.0									
Bromobenzene	ND	5.0									
Bromodichloromethane	ND	5.0									
Bromoform	ND	5.0									
Bromomethane	ND	5.0									
Carbon tetrachloride	ND	5.0									

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits
 B - Analyte detected in the associated Method Blank
 Calculations are based on raw values

DO- Surrogate dilute out
 H - Sample exceeded holding time



CLIENT: SCS Engineers
Work Order: 077300
Project: Long Beach City Tow Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT**TestCode:** 8260_S_5035

Sample ID: P050624MB2		SampType: MBLK		TestCode: 8260_S_5035		Units: µg/Kg		Prep Date:		Run ID: MS1_050624A	
Client ID: ZZZZZ		Batch ID: P05VS095		TestNo: EPA 8260B		Analysis Date: 6/24/2005		SeqNo: 757452			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorobenzene	ND	5.0									
Chloroethane	ND	5.0									
Chloroform	ND	5.0									
Chloromethane	ND	5.0									
cis-1,2-Dichloroethene	ND	5.0									
cis-1,3-Dichloropropene	ND	5.0									
Di-isopropyl ether	ND	5.0									
Dibromochloromethane	ND	5.0									
Dibromomethane	ND	5.0									
Dichlorodifluoromethane	ND	5.0									
Ethyl Tert-butyl ether	ND	5.0									
Ethylbenzene	ND	5.0									
Hexachlorobutadiene	ND	5.0									
Isopropylbenzene	ND	5.0									
m,p-Xylene	ND	10									
Methylene chloride	ND	5.0									
MTBE	ND	5.0									
n-Butylbenzene	ND	5.0									
n-Propylbenzene	ND	5.0									
Naphthalene	ND	5.0									
o-Xylene	ND	5.0									
sec-Butylbenzene	ND	5.0									
Styrene	ND	5.0									
Tert-amyl methyl ether	ND	5.0									
Tert-Butanol	ND	100									
tert-Butylbenzene	ND	5.0									
Tetrachloroethene	ND	5.0									
Toluene	ND	5.0									
trans-1,2-Dichloroethene	ND	5.0									
Trichloroethene	ND	5.0									

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits
 B - Analyte detected in the associated Method Blank
 Calculations are based on raw values

DO- Surrogate dilute out
 H - Sample exceeded holding time



Advanced Technology
Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: SCS Engineers
Work Order: 077300
Project: Long Beach City Tow Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S_5035

Sample ID: P050624MB2	SampType: MBLK	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:	Run ID: MS1_050624A						
Client ID: ZZZZZ	Batch ID: P05VS095	TestNo: EPA 8260B	Analysis Date: 6/24/2005	SeqNo: 757452							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Trichlorofluoromethane	ND	5.0									
Vinyl chloride	ND	5.0									
Surr: 1,2-Dichloroethane-d4	48.58	5.0	50	0	97.2	66	149	0	0		
Surr: 4-Bromofluorobenzene	45.24	5.0	50	0	90.5	83	125	0	0		
Surr: Dibromofluoromethane	55.1	5.0	50	0	110	75	139	0	0		
Surr: Toluene-d8	51.85	5.0	50	0	104	87	133	0	0		

Sample ID: P050627MB2	SampType: MBLK	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:	Run ID: MS1_050627A						
Client ID: ZZZZZ	Batch ID: P05VS096	TestNo: EPA 8260B	Analysis Date: 6/27/2005	SeqNo: 757967							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0									
1,1,1-Trichloroethane	ND	5.0									
1,1,2,2-Tetrachloroethane	ND	5.0									
1,1,2-Trichloroethane	ND	5.0									
1,1-Dichloroethane	ND	5.0									
1,1-Dichloroethene	ND	5.0									
1,1-Dichloropropene	ND	5.0									
1,2,3-Trichlorobenzene	ND	5.0									
1,2,3-Trichloropropane	ND	5.0									
1,2,4-Trichlorobenzene	ND	5.0									
1,2,4-Trimethylbenzene	ND	5.0									
1,2-Dibromo-3-chloropropane	ND	10									
1,2-Dibromoethane	ND	5.0									
1,2-Dichlorobenzene	ND	5.0									
1,2-Dichloroethane	ND	5.0									
1,2-Dichloropropane	ND	5.0									
1,3,5-Trimethylbenzene	ND	5.0									
1,3-Dichlorobenzene	ND	5.0									
1,3-Dichloropropane	ND	5.0									

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits DO- Surrogate dilute out
 J - Analyte detected below quantitation limits B - Analyte detected in the associated Method Blank H - Sample exceeded holding time
 R - RPD outside accepted recovery limits Calculations are based on raw values



CLIENT: SCS Engineers
 Work Order: 077300
 Project: Long Beach City Tow Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S_5035

Sample ID: P050627MB2	SampType: MBLK	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:	Run ID: MS1_050627A						
Client ID: ZZZZZ	Batch ID: P05VS096	TestNo: EPA 8260B		Analysis Date: 6/27/2005	SeqNo: 757967						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,4-Dichlorobenzene	ND	5.0									
2,2-Dichloropropane	ND	5.0									
2-Chlorotoluene	ND	5.0									
4-Chlorotoluene	ND	5.0									
4-Isopropyltoluene	ND	5.0									
Benzene	ND	5.0									
Bromobenzene	ND	5.0									
Bromodichloromethane	ND	5.0									
Bromoform	ND	5.0									
Bromomethane	ND	5.0									
Carbon tetrachloride	ND	5.0									
Chlorobenzene	ND	5.0									
Chloroethane	ND	5.0									
Chloroform	ND	5.0									
Chloromethane	ND	5.0									
cis-1,2-Dichloroethene	ND	5.0									
cis-1,3-Dichloropropene	ND	5.0									
Di-isopropyl ether	ND	5.0									
Dibromochloromethane	ND	5.0									
Dibromomethane	ND	5.0									
Dichlorodifluoromethane	ND	5.0									
Ethyl Tert-butyl ether	ND	5.0									
Ethylbenzene	ND	5.0									
Hexachlorobutadiene	ND	5.0									
Isopropylbenzene	ND	5.0									
m,p-Xylene	ND	10									
Methylene chloride	ND	5.0									
MTBE	ND	5.0									
n-Butylbenzene	ND	5.0									
n-Propylbenzene	ND	5.0									

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits
 B - Analyte detected in the associated Method Blank
 Calculations are based on raw values

DO- Surrogate dilute out
 H - Sample exceeded holding time



CLIENT: SCS Engineers
 Work Order: 077300
 Project: Long Beach City Tow Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S_5035

Sample ID: P050627MB2	SampType: MBLK	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:	Run ID: MS1_050627A						
Client ID: ZZZZZ	Batch ID: P05VS096	TestNo: EPA 8260B		Analysis Date: 6/27/2005	SeqNo: 757967						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	ND	5.0									
o-Xylene	ND	5.0									
sec-Butylbenzene	ND	5.0									
Styrene	ND	5.0									
Tert-amyl methyl ether	ND	5.0									
Tert-Butanol	ND	100									
tert-Butylbenzene	ND	5.0									
Tetrachloroethene	ND	5.0									
Toluene	ND	5.0									
trans-1,2-Dichloroethene	ND	5.0									
Trichloroethene	ND	5.0									
Trichlorofluoromethane	ND	5.0									
Vinyl chloride	ND	5.0									
Surr: 1,2-Dichloroethane-d4	40.95	5.0	50	0	81.9	66	149	0	0		
Surr: 4-Bromofluorobenzene	45.56	5.0	50	0	91.1	83	125	0	0		
Surr: Dibromofluoromethane	49.36	5.0	50	0	98.7	75	139	0	0		
Surr: Toluene-d8	49.6	5.0	50	0	99.2	87	133	0	0		

Sample ID: P050624LC1	SampType: LCS	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:	Run ID: MS1_050624A						
Client ID: ZZZZZ	Batch ID: P05VS095	TestNo: EPA 8260B		Analysis Date: 6/24/2005	SeqNo: 757449						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	112.4	5.0	100	0	112	70	119	0	0		
Benzene	101.5	5.0	100	0	102	80	121	0	0		
Chlorobenzene	110.4	5.0	100	0	110	88	129	0	0		
MTBE	85.53	5.0	100	0	85.5	59	126	0	0		
Toluene	100.8	5.0	100	0	101	84	128	0	0		
Trichloroethene	103.1	5.0	100	0	103	83	129	0	0		
Surr: 1,2-Dichloroethane-d4	42.18	5.0	50	0	84.4	66	149	0	0		
Surr: 4-Bromofluorobenzene	47.3	5.0	50	0	94.6	83	125	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits
 B - Analyte detected in the associated Method Blank
 Calculations are based on raw values

DO - Surrogate dilute out
 H - Sample exceeded holding time



CLIENT: SCS Engineers
 Work Order: 077300
 Project: Long Beach City Tow Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S_5035

Sample ID: P050624LC1	SampType: LCS	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:	Run ID: MS1_050624A						
Client ID: ZZZZZ	Batch ID: P05VS095	TestNo: EPA 8260B		Analysis Date: 6/24/2005	SeqNo: 757449						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Dibromofluoromethane	49.93	5.0	50	0	99.9	75	139	0	0		
Surr: Toluene-d8	51.76	5.0	50	0	104	87	133	0	0		

Sample ID: P050627LC1	SampType: LCS	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:	Run ID: MS1_050627A						
Client ID: ZZZZZ	Batch ID: P05VS096	TestNo: EPA 8260B		Analysis Date: 6/27/2005	SeqNo: 757964						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	107.8	5.0	100	0	108	70	119	0	0		
Benzene	103.6	5.0	100	0	104	80	121	0	0		
Chlorobenzene	118	5.0	100	0	118	88	129	0	0		
MTBE	98.25	5.0	100	0	98.2	59	126	0	0		
Toluene	105.5	5.0	100	0	106	84	126	0	0		
Trichloroethene	107.2	5.0	100	0	107	83	129	0	0		
Surr: 1,2-Dichloroethane-d4	39.72	5.0	50	0	79.4	66	149	0	0		
Surr: 4-Bromofluorobenzene	47.85	5.0	50	0	95.7	83	125	0	0		
Surr: Dibromofluoromethane	47.42	5.0	50	0	94.8	75	139	0	0		
Surr: Toluene-d8	50.92	5.0	50	0	102	87	133	0	0		

Sample ID: P050624MB2MS	SampType: MS	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:	Run ID: MS1_050624A						
Client ID: ZZZZZ	Batch ID: P05VS095	TestNo: EPA 8260B		Analysis Date: 6/24/2005	SeqNo: 757450						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	114.8	5.0	100	0	115	52	135	0	0		
Benzene	106.8	5.0	100	0	107	52	143	0	0		
Chlorobenzene	119.8	5.0	100	0	120	48	154	0	0		
MTBE	93.69	5.0	100	0	93.7	34	156	0	0		
Toluene	107.3	5.0	100	0	107	54	146	0	0		
Trichloroethane	107.9	5.0	100	0	108	44	169	0	0		
Surr: 1,2-Dichloroethane-d4	43.21	5.0	50	0	86.4	66	149	0	0		
Surr: 4-Bromofluorobenzene	47.69	5.0	50	0	95.4	83	125	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 R - RPD outside accepted recovery limits

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 B - Analyte detected in the associated Method Blank
 Calculations are based on raw values

DO- Surrogate dilute out
 H - Sample exceeded holding time



CLIENT: SCS Engineers
Work Order: 077300
Project: Long Beach City Tow Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT**TestCode:** 8260_S_5035

Sample ID: P050624MB2MS	SampType: MS	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:	Run ID: MS1_050624A						
Client ID: ZZZZZ	Batch ID: P05VS095	TestNo: EPA 8260B		Analysis Date: 6/24/2005	SeqNo: 757450						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Dibromofluoromethane	50.3	5.0	50	0	101	75	139	0	0		
Surr: Toluene-d8	51.25	5.0	50	0	103	87	133	0	0		

Sample ID: P050627MB2MS	SampType: MS	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:	Run ID: MS1_050627A						
Client ID: ZZZZZ	Batch ID: P05VS096	TestNo: EPA 8260B		Analysis Date: 6/27/2005	SeqNo: 757965						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	110.7	5.0	100	0	111	52	135	0	0		
Benzene	104.4	5.0	100	0	104	52	143	0	0		
Chlorobenzene	120.2	5.0	100	0	120	48	154	0	0		
MTBE	98.88	5.0	100	0	98.9	34	156	0	0		
Toluene	103	5.0	100	0	103	54	146	0	0		
Trichloroethene	105.8	5.0	100	0	106	44	169	0	0		
Surr: 1,2-Dichloroethane-d4	39.37	5.0	50	0	78.7	66	149	0	0		
Surr: 4-Bromofluorobenzene	46.74	5.0	50	0	93.5	83	125	0	0		
Surr: Dibromofluoromethane	48.16	5.0	50	0	96.3	75	139	0	0		
Surr: Toluene-d8	49.83	5.0	50	0	99.7	87	133	0	0	—	

Sample ID: P050624MB2MSD	SampType: MSD	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:	Run ID: MS1_050624A						
Client ID: ZZZZZ	Batch ID: P05VS095	TestNo: EPA 8260B		Analysis Date: 6/24/2005	SeqNo: 757451						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	114.6	5.0	100	0	115	52	135	114.8	0.105	30	
Benzene	107.7	5.0	100	0	108	52	143	106.8	0.839	30	
Chlorobenzene	118.9	5.0	100	0	119	48	154	119.8	0.704	30	
MTBE	95.09	5.0	100	0	95.1	34	156	93.69	1.48	30	
Toluene	107.6	5.0	100	0	108	54	146	107.3	0.289	30	
Trichloroethene	108.7	5.0	100	0	109	44	169	107.9	0.711	30	
Surr: 1,2-Dichloroethane-d4	43.07	5.0	50	0	86.1	66	149	0	0	30	
Surr: 4-Bromofluorobenzene	48.57	5.0	50	0	97.1	83	125	0	0	30	

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits
 B - Analyte detected in the associated Method Blank
 Calculations are based on raw values

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 H - Sample exceeded holding time



CLIENT: SCS Engineers
 Work Order: 077300
 Project: Long Beach City Tow Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S_5035

Sample ID: P050624MB2MSD	SampType: MSD	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:	Run ID: MS1_050624A						
Client ID: ZZZZZ	Batch ID: P05VS095	TestNo: EPA 8260B		Analysis Date: 6/24/2005	SeqNo: 757451						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Dibromofluoromethane	50.16	5.0	50	0	100	75	139	0	0	30	
Surr: Toluene-d8	52.45	5.0	50	0	105	87	133	0	0	30	

Sample ID: P050627MB2MSD	SampType: MSD	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:	Run ID: MS1_050627A						
Client ID: ZZZZZ	Batch ID: P05VS096	TestNo: EPA 8260B		Analysis Date: 6/27/2005	SeqNo: 757966						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	108.7	5.0	100	0	108	52	135	110.7	1.81	30	
Benzene	105.4	5.0	100	0	105	52	143	104.4	0.982	30	
Chlorobenzene	120.2	5.0	100	0	120	48	154	120.2	0.00832	30	
MTBE	95.85	5.0	100	0	95.8	34	156	98.88	3.11	30	
Toluene	107.3	5.0	100	0	107	54	146	103	4.11	30	
Trichloroethene	106.7	5.0	100	0	107	44	169	105.8	0.857	30	
Surr: 1,2-Dichloroethane-d4	39.13	5.0	50	0	78.3	66	149	0	0	30	
Surr: 4-Bromofluorobenzene	47.57	5.0	50	0	95.1	83	125	0	0	30	
Surr: Dibromofluoromethane	47.05	5.0	50	0	94.1	75	139	0	0	30	
Surr: Toluene-d8	51.23	5.0	50	0	102	87	133	0	0	30	

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 Calculations are based on raw values

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 H - Sample exceeded holding time



CLIENT: SCS Engineers
Work Order: 077300
Project: Long Beach City Tow Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT**TestCode: 8260_WP**

Sample ID: A062805MB4	SampType: MBLK	TestCode: 8260_WP	Units: µg/L	Prep Date:	Run ID: MS11_050628A						
Client ID: ZZZZZ	Batch ID: A05VW187	TestNo: EPA 8260B		Analysis Date: 6/28/2005	SeqNo: 758263						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0									
1,1,1-Trichloroethane	ND	5.0									
1,1,2,2-Tetrachloroethane	ND	5.0									
1,1,2-Trichloroethane	ND	5.0									
1,1-Dichloroethane	ND	5.0									
1,1-Dichloroethene	ND	5.0									
1,1-Dichloropropene	ND	5.0									
1,2,3-Trichlorobenzene	ND	5.0									
1,2,3-Trichloropropane	ND	5.0									
1,2,4-Trichlorobenzene	ND	5.0									
1,2,4-Trimethylbenzene	ND	5.0									
1,2-Dibromo-3-chloropropane	ND	5.0									
1,2-Dibromoethane	ND	5.0									
1,2-Dichlorobenzene	ND	5.0									
1,2-Dichloroethane	ND	5.0									
1,2-Dichloropropane	ND	5.0									
1,3,5-Trimethylbenzene	ND	5.0									
1,3-Dichlorobenzene	ND	5.0									
1,3-Dichloropropane	ND	5.0									
1,4-Dichlorobenzene	ND	5.0									
2,2-Dichloropropane	ND	5.0									
2-Chlorotoluene	ND	5.0									
4-Chlorotoluene	ND	5.0									
4-Isopropyltoluene	ND	5.0									
Benzene	ND	5.0									
Bromobenzene	ND	5.0									
Bromodichloromethane	ND	5.0									
Bromoform	ND	5.0									
Bromomethane	ND	5.0									
Carbon tetrachloride	ND	5.0									

Qualifiers: ND - Not Detected at the Reporting Limit
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CLIENT: SCS Engineers
 Work Order: 077300
 Project: Long Beach City Tow Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: A062805MB4	SampType: MBLK	TestCode: 8260_WP	Units: µg/L	Prep Date:	Run ID: MS11_050628A						
Client ID: ZZZZZ	Batch ID: A05VW187	TestNo: EPA 8260B		Analysis Date: 6/28/2005	SeqNo: 758263						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorobenzene	ND	5.0									
Chloroethane	ND	5.0									
Chloroform	ND	5.0									
Chloromethane	ND	5.0									
cis-1,2-Dichloroethene	ND	5.0									
cis-1,3-Dichloropropene	ND	5.0									
DI-isopropyl ether	ND	5.0									
Dibromochloromethane	ND	5.0									
Dibromomethane	ND	5.0									
Dichlorodifluoromethane	ND	5.0									
Ethyl tert-butyl ether	ND	5.0									
Ethylbenzene	ND	5.0									
Hexachlorobutadiene	ND	5.0									
Isopropylbenzene	ND	5.0									
m,p-Xylene	ND	10									
Methylene chloride	ND	5.0									
MTBE	ND	5.0									
n-Butylbenzene	ND	5.0									
n-Propylbenzene	ND	5.0									
Naphthalene	ND	5.0									
o-Xylene	ND	5.0									
sec-Butylbenzene	ND	5.0									
Styrene	ND	5.0									
Tert-amyl methyl ether	ND	5.0									
Tert-Butanol	ND	100									
tert-Butylbenzene	ND	5.0									
Tetrachloroethene	ND	5.0									
Toluene	ND	5.0									
trans-1,2-Dichloroethene	ND	5.0									
Trichloroethene	ND	5.0									

Qualifiers: ND - Not Detected at the Reporting Limit
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CLIENT: SCS Engineers
Work Order: 077300
Project: Long Beach City Tow Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT**TestCode: 8260_WP**

Sample ID: A062805MB4	SampType: MBLK	TestCode: 8260_WP	Units: µg/L	Prep Date:	Run ID: MS11_050628A						
Client ID: ZZZZZ	Batch ID: A05VW187	TestNo: EPA 8260B		Analysis Date: 6/28/2005	SeqNo: 758263						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Trichlorofluoromethane	ND	5.0									
Vinyl chloride	ND	5.0									
Surr: 1,2-Dichloroethane-d4	22.02	5.0	25	0	88.1	75	134	0	0		
Surr: 4-Bromofluorobenzene	24.42	5.0	25	0	97.7	70	136	0	0		
Surr: Dibromofluoromethane	23.26	5.0	25	0	93	79	129	0	0		
Surr: Toluene-d8	24.52	5.0	25	0	98.1	84	125	0	0		

Sample ID: A062805LC1	SampType: LCS	TestCode: 8260_WP	Units: µg/L	Prep Date:	Run ID: MS11_050628A						
Client ID: ZZZZZ	Batch ID: A05VW187	TestNo: EPA 8260B		Analysis Date: 6/28/2005	SeqNo: 758260						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	21.09	5.0	20	0	105	73	124	0	0		
Benzene	21.41	5.0	20	0	107	92	123	0	0		
Chlorobenzene	20.94	5.0	20	0	105	93	119	0	0		
MTBE	18.5	5.0	20	0	92.5	77	120	0	0		
Toluene	21.11	5.0	20	0	106	91	123	0	0		
Trichloroethene	22.41	5.0	20	0	112	87	126	0	0		
Surr: 1,2-Dichloroethane-d4	22.4	5.0	25	0	89.6	75	134	0	0		
Surr: 4-Bromofluorobenzene	22.74	5.0	25	0	91	70	136	0	0		
Surr: Dibromofluoromethane	23	5.0	25	0	92	79	129	0	0		
Surr: Toluene-d8	24.11	5.0	25	0	96.4	84	125	0	0		

Sample ID: A062805MB4MS	SampType: MS	TestCode: 8260_WP	Units: µg/L	Prep Date:	Run ID: MS11_050628A						
Client ID: ZZZZZ	Batch ID: A05VW187	TestNo: EPA 8260B		Analysis Date: 6/28/2005	SeqNo: 758261						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	19.81	5.0	20	0	99	74	121	0	0		
Benzene	21.51	5.0	20	0	108	91	125	0	0		
Chlorobenzene	20.52	5.0	20	0	103	91	119	0	0		
MTBE	18.64	5.0	20	0	93.2	79	119	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
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 B - Analyte detected in the associated Method Blank
 Calculations are based on raw values

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 H - Sample exceeded holding time



CLIENT: SCS Engineers
Work Order: 077300
Project: Long Beach City Tow Yard, 01204007.02

ANALYTICAL QC SUMMARY REPORT**TestCode:** 8260_WP

Sample ID: A062805MB4MS	SampType: MS	TestCode: 8260_WP	Units: µg/L	Prep Date:	Run ID: MS11_050628A						
Client ID: ZZZZZ	Batch ID: A05VW187	TestNo: EPA 8260B		Analysis Date: 6/28/2005	SeqNo: 758261						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toluene	21.11	5.0	20	0	106	89	123	0	0		
Trichloroethene	22.17	5.0	20	0	111	86	126	0	0		
Surr: 1,2-Dichloroethane-d4	22.3	5.0	25	0	89.2	75	134	0	0		
Surr: 4-Bromofluorobenzene	22.12	5.0	25	0	88.5	70	136	0	0		
Surr: Dibromofluoromethane	22.97	5.0	25	0	91.9	78	129	0	0		
Surr: Toluene-d8	23.9	5.0	25	0	95.6	84	125	0	0		

Sample ID: A062805MB4MSD	SampType: MSD	TestCode: 8260_WP	Units: µg/L	Prep Date:				Run ID: MS11_050628A			
Client ID: ZZZZZ	Batch ID: A05VW187	TestNo: EPA 8260B	Analysis Date: 6/28/2005				SeqNo: 758262				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	19.92	5.0	20	0	99.6	74	121	19.81	0.554	30	
Benzene	21.26	5.0	20	0	106	91	125	21.51	1.17	30	
Chlorobenzene	21.54	5.0	20	0	108	91	119	20.52	4.85	30	
MTBE	19.05	5.0	20	0	95.2	79	119	18.64	2.18	30	
Toluene	21.02	5.0	20	0	105	89	123	21.11	0.427	30	
Trichloroethene	21.99	5.0	20	0	110	86	126	22.17	0.815	30	
Surr: 1,2-Dichloroethane-d4	21.75	5.0	25	0	87	75	134	0	0	30	
Surr: 4-Bromofluorobenzene	23.91	5.0	25	0	95.6	70	136	0	0	30	
Surr: Dibromofluoromethane	23.74	5.0	25	0	95	79	129	0	0	30	
Surr: Toluene-d8	24.2	5.0	25	0	96.8	84	125	0	0	30	

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits
 B - Analyte detected in the associated Method Blank
 Calculations are based on raw values

DO- Surrogate dilute out
 H - Sample exceeded holding time

CHAIN OF CUSTODY RECORD

SCS ENGINEERS Environmental Consultants

8711 Long Beach Blvd., Ninth Floor
Long Beach, California 90807-3315
Phone: (562) 426-9544 Fax: (562) 427-0805

TOTAL NUMBER OF SAMPLES: 15

PAGE 1 OF 2

TURNAROUND TIME REQUIRED:

☒ 5-Day ☐ 3-Day ☐ Immediate ☐ Other

ANALYSES REQUESTED

LAB USE ONLY

PROJECT NUMBER: 01204007.02

PROJECT MANAGER: Kevin Green

PROJECT NAME: Long Beach City Tow Yard

W.O. / S.O. #:

PROJECT LOCATION: 901 W. Anaheim St.

SAMPLER NAME AND SIGNATURE: Kevin Green

I.D. NUMBER	SAMPLE DESIGNATION	SAMPLE MATRIX	DATE/TIME COLLECTED	CONTAINER SIZE/TYPE	SAMPLE PRESERVATIVE	SPECIAL INSTRUCTIONS/COMMENTS	8260 B + oxygenates	TPH gas and diesel
	SCS B7-5'	soil	6-21-05	VOA	5035		X	X
	SCS B7-10'	"	"	"	"		X	X
	SCS B7-GW	water	"	"	HCL		X	X
	SCS B8-5'	soil	"	"	5035		X	X
	SCS B8-10'	"	"	"	"		X	X
	SCS B8-GW	water	"	"	HCL		X	X
	SCS B9-5'	soil	"	"	5035		X	X
	SCS B9-10'	"	"	"	"		X	X
	SCS B9-GW	water	"	"	HCL		X	X
	SCS B10-5'	soil	"	"	5035		X	X
	SCS B10-10'	"	"	"	"		X	X
	SCS B10-GW	water	"	"	HCL		X	X
	SCS B11-5'	soil	"	"	5035		X	X
	SCS B11-10'	"	"	"	"		X	X
	SCS B11-GW	water	"	"	HCL		X	X

NOTES:

For 5035 preserved vials, analyze 8260 first. As needed, use acetate sleeves for diesel.

SAMPLE CONDITION UPON RECEIPT:

RELINQUISHED BY:

DATE:

RECEIVED BY:

DATE:

RELINQUISHED BY:

DATE:

RECEIVED BY:

DATE:

COMPANY:

TIME:

COMPANY:

TIME:

COMPANY:

TIME:

COMPANY:

TIME:

Arada, Mary Rachelle

From: Aguila, Carmen
Sent: Thursday, June 23, 2005 2:56 PM
To: Arada, Mary Rachelle
Subject: FW: Long Beach City Tow Yard Samples

-----Original Message-----

From: Kevin W. Green [mailto:kgreen@scsengineers.com]
Sent: Thursday, June 23, 2005 2:43 PM
To: Aguila, Carmen
Subject: Long Beach City Tow Yard Samples

Carmen,

For the LB City Tow Yard project (SCS Project No. 01204007.02), please analyze the soil and groundwater samples for TPG-gasoline only. The analysis for TPH-diesel is not necessary.

Thank you – Kevin



Kevin W. Green, PG, REA
SCS ENGINEERS
3900 Kilroy Airport Way, Suite 100
Long Beach, CA 90806-6816
Phone: (562) 426-9544
Fax: (562) 427-0805
www.scsengineers.com

6/23/2005

APPENDIX G

**AMERICAN ENVIRONMENTAL TESTING LABORATORY, INC.
ANALYTICAL REPORT**





American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street, Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

Ordered By

SCS Engineers
3900 Kilroy Airport Way Suite 100
Long Beach, CA 90806-6816

Number of Pages 7
Date Received 08/11/2005
Date Reported 08/17/2005

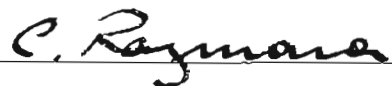
Telephone: (562) 426-9544
Attention: Kevin Green

Job Number	Order Date	Client
34326	08/11/2005	SCS

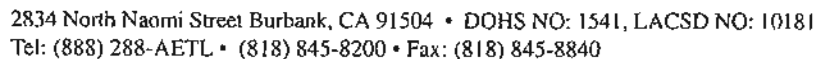
Project ID: 01204007.02
Project Name: Long Beach Public Service Yard
Site: Long Beach, CA

Enclosed please find results of analyses of 3 water samples which were analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By: 

Approved By: 

Cyrus Razmara, Ph.D.
Laboratory Director



Nº 31034

Page 1 of 1

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator



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ANALYTICAL RESULTS

Ordered By

Site

SCS Engineers
3900 Kilroy Airport Way
Suite 100
Long Beach, CA 90806-6816

Long Beach, CA

Telephone: (562)426-9544

Attn: Kevin Green

Page: 2

Project ID: 01204007.02

Project Name: Long Beach Public Service Yard

AETL Job Number	Submitted	Client
34326	08/11/2005	SCS

Method: 8260B, Volatile Organic Compounds (BTEX/OXYG) by GC/MS (SW846)

QC Batch No: 081305

Our Lab I.D.			Method Blank	34326.01	34326.02	34326.03	
Client Sample I.D.				MW-3	MW-2	MW-1	
Date Sampled				08/11/2005	08/11/2005	08/11/2005	
Date Prepared			08/13/2005	08/13/2005	08/13/2005	08/13/2005	
Preparation Method			5030B	5030B	5030B	5030B	
Date Analyzed			08/13/2005	08/13/2005	08/13/2005	08/13/2005	
Matrix			Aqueous	Aqueous	Aqueous	Aqueous	
Units			ug/L	ug/L	ug/L	ug/L	
Dilution Factor			1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	
Benzene	0.5	1.0	ND	ND	ND	ND	
Ethylbenzene	0.5	1.0	ND	ND	ND	1.2	
Toluene (Methyl benzene)	0.5	1.0	ND	ND	ND	ND	
o-Xylene	0.5	1.0	ND	ND	ND	2.1	
m,p-Xylenes	1.0	2.0	ND	ND	ND	2.7	
tert-Butyl alcohol (TBA)	10	50	ND	38.8J	ND	ND	
Diisopropyl ether (DIPE)	0.5	1.0	ND	ND	ND	ND	
Ethyl alcohol (Ethanol)	500	1000	ND	ND	ND	ND	
Ethyl-tert-butyl ether (ETBE)	0.5	1.0	ND	ND	ND	ND	
Methyl-tert-butyl ether (MTBE)	0.5	1.0	ND	3.9	ND	ND	
tert-Amyl methyl ether (TAME)	0.5	1.0	ND	ND	ND	ND	
Our Lab I.D.				34326.01	34326.02	34326.03	
Surrogates	%Rec. Limit		% Rec.	% Rec.	% Rec.	% Rec.	
Bromofluorobenzene	75-125		107	110	111	106	
Dibromofluoromethane	75-125		114	116	116	116	
Toluene-d8	75-125		101	100	99	100	



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ANALYTICAL RESULTS

Ordered By

Site

SCS Engineers
3900 Kilroy Airport Way
Suite 100
Long Beach, CA 90806-6816

Long Beach, CA

Telephone: (562)426-9544

Attn: Kevin Green

Page: 3

Project ID: 01204007.02

Project Name: Long Beach Public Service Yard

AETL Job Number	Submitted	Client
34326	08/11/2005	SCS

Method: M8015D, TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 081605

Our Lab I.D.			Method Blank	34326.01	34326.02	34326.03	
Client Sample I.D.				MW-3	MW-2	MW-1	
Date Sampled				08/11/2005	08/11/2005	08/11/2005	
Date Prepared			08/16/2005	08/16/2005	08/16/2005	08/16/2005	
Preparation Method			3510C	3510C	3510C	3510C	
Date Analyzed			08/18/2005	08/18/2005	08/18/2005	08/18/2005	
Matrix			Aqueous	Aqueous	Aqueous	Aqueous	
Units			mg/L	mg/L	mg/L	mg/L	
Dilution Factor			1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	
TPH as Diesel (C13-C22)	0.1	0.5	ND	ND	ND	ND	
TPH as Heavy Hydrocarbons (C23-C40)	0.1	0.5	ND	ND	ND	ND	
TPH Total as Diesel and Heavy HC.C13-C40	0.1	0.5	ND	ND	ND	ND	
Our Lab I.D.				34326.01	34326.02	34326.03	
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	
Chlorobenzene	75-125		92	77	79	92	



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ANALYTICAL RESULTS

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SCS Engineers
3900 Kilroy Airport Way
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Long Beach, CA 90806-6816

Site

Long Beach, CA

Telephone: (562)426-9544

Attn: Kevin Green

Page: 4

Project ID: 01204007.02

Project Name: Long Beach Public Service Yard

AETL Job Number	Submitted	Client
34326	08/11/2005	SCS

Method: M8015G, TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 081505

Our Lab I.D.			Method Blank	34326.01	34326.02	34326.03	
Client Sample I.D.				MW-3	MW-2	MW-1	
Date Sampled				08/11/2005	08/11/2005	08/11/2005	
Date Prepared			08/15/2005	08/15/2005	08/15/2005	08/15/2005	
Preparation Method			5030B	5030B	5030B	5030B	
Date Analyzed			08/15/2005	08/15/2005	08/15/2005	08/15/2005	
Matrix			Aqueous	Aqueous	Aqueous	Aqueous	
Units			mg/L	mg/L	mg/L	mg/L	
Dilution Factor			1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	
TPH as Gasoline and Light HC. (C4-C12)	0.005	0.010	ND	0.024	ND	0.189	
Our Lab I.D.				34326.01	34326.02	34326.03	
Surrogates	% Rec. Limit		% Rec.	% Rec.	% Rec.	% Rec.	
Bromofluorobenzene	75-125		104	104	104	104	



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ANALYTICAL RESULTS

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SCS Engineers
3900 Kilroy Airport Way
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Site

Long Beach, CA

Telephone: (562)426-9544

Attn: Kevin Green

Page: 5

Project ID: 01204007.02

Project Name: Long Beach Public Service Yard

AETL Job Number	Submitted	Client
34326	08/11/2005	SCS

Method: 8260B, Volatile Organic Compounds (BTEX/OXYG) by GC/MS (SW846)

QUALITY CONTROL REPORT

QC Batch No: 081305 Sample Spiked: 081305 QC Prepared: 08/13/2005 QC Analyzed: 08/13/2005 Units: ug/L

Analytes	Sample Result	MS Concn	MS Recov	MS % REC	MS DUP Concn	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Benzene	0.0	50.00	50.00	100	50.00	51.00	102	2.0	75-125	<20
Toluene (Methyl benzene)	0.0	50.00	43.00	86	50.00	45.50	91	5.6	75-125	<20
Methyl-tert-butyl ether (MTBE)	0.0	50.00	58.00	116	50.00	56.00	112	3.5	75-125	<20
Chlorobenzene	0.0	50.00	44.50	89	50.00	46.50	93	4.4	75-125	<20
1,1-Dichloroethene	0.0	50.00	52.00	104	50.00	54.00	108	3.8	75-125	<20
Trichloroethene	0.0	50.00	45.00	90	50.00	48.00	96	6.5	75-125	<20

QC Batch No: 081305 Sample Spiked: 081305 QC Prepared: 08/13/2005 QC Analyzed: 08/13/2005 Units: ug/L

Analytes	LCS Concn	LCS Recov	LCS % REC	LCS/LCSD % Limit						
Benzene	50.00	49.00	98	75-125						
Toluene (Methyl benzene)	50.00	41.50	83	75-125						
Methyl-tert-butyl ether (MTBE)	50.00	57.00	114	75-125						
Chlorobenzene	50.00	43.00	86	75-125						
1,1-Dichloroethene	50.00	50.00	100	75-125						
Trichloroethene	50.00	44.00	88	75-125						
LCS										
Chloroform (Trichloromethane)	50.00	58.50	117	75-125						
Ethylbenzene	50.00	41.50	83	75-125						
1,1,1-Trichloroethane	50.00	47.00	94	75-125						
o-Xylene	50.00	45.00	90	75-125						
m,p-Xylenes	100.00	83.00	83	75-125						



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ANALYTICAL RESULTS

Ordered By

SCS Engineers
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Suite 100
Long Beach, CA 90806-6816

Telephone: (562)426-9544

Attn: Kevin Green

Page: 6

Project ID: 01204007.02

Project Name: Long Beach Public Service Yard

Site

Long Beach, CA

AETL Job Number	Submitted	Client
34326	08/11/2005	SCS

Method: M8015D, TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QUALITY CONTROL REPORT

QC Batch No: 081605 Sample Spiked: 081605 QC Prepared: 08/16/2005 QC Analyzed: 08/19/2005 Units: mg/L

Analytes	Sample Result	MS Concn	MS Recov	MS % REC	MS DUP Concn	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
TPH as Diesel (C13-C22)	0.01	5.00	3.75 x	75	5.00	3.75 x	75	<1	75-125	<20



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Long Beach, CA 90806-6816

Site

Long Beach, CA

Telephone: (562)426-9544

Attn: Kevin Green

Page: 7

Project ID: 01204007.02

Project Name: Long Beach Public Service Yard

AETL Job Number	Submitted	Client
34326	08/11/2005	SCS

Method: M8015G, TPH as Gasoline and Light Hydrocarbons Using GC/FID

QUALITY CONTROL REPORT

QC Batch No: 081505 Sample Spiked: 081505 QC Prepared: 08/15/2005 QC Analyzed: 08/15/2005 Units: mg/L

Analytes	Sample Result	MS Concn	MS Recov	MS % REC	MS DUP Concn	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
TPH as Gasoline and Light HC. (C4-C12)	0.0	0.50	0.48	96	0.50	0.52	104	8.0	75-125	<20

QC Batch No: 081505 Sample Spiked: 081505 QC Prepared: 08/15/2005 QC Analyzed: 08/15/2005 Units: mg/L

Analytes	LCS Concn	LCS Recov	LCS % REC	LCS/LCSD % Limit						
TPH as Gasoline and Light HC. (C4-C12)	0.50	0.52	104	75-125						



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Data Qualifiers and Descriptors

Data Qualifier:

- *: In the QC section, sample results have been taken directly from the ICP reading. No preparation factor has been applied.
- B: Analyte was present in the Method Blank.
- D: Result is from a diluted analysis.
- E: Result is beyond calibration limits and is estimated.
- H: Analysis was performed over the allowed holding time due to circumstances which were beyond laboratory control.
- J: Analyte was detected. However, the analyte concentration is an estimated value, which is between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).
- M: Matrix spike recovery is outside control limits due to matrix interference. Laboratory Control Sample recovery was acceptable.
- S6: Surrogate recovery is outside control limits due to matrix interference.
- S8: The analysis of the sample required a dilution such that the surrogate concentration was diluted below the method acceptance criteria.
- X: Results represent LCS and LCSD data.

Definition:

- %Limi: Percent acceptable limits.
- %REC: Percent recovery.
- Con.L: Acceptable Control Limits
- Conce: Added concentration to the sample.
- LCS: Laboratory Control Sample
- MDL: Method Detection Limit is a statistically derived number which is specific for each instrument, each method, and each compound. It indicates a distinctively detectable quantity with 99% probability.
- MS: Matrix Spike
- MS DU: Matrix Spike Duplicate



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Data Qualifiers and Descriptors

- ND: Analyte was not detected in the sample at or above MDL.
- PQL: Practical Quantitation Limit or ML (Minimum Level as per RWQCB) is the minimum concentration that can be quantified with more than 99% confidence. Taking into account all aspects of the entire analytical instrumentation and practice.
- Recov: Recovered concentration in the sample.
- RPD: Relative Percent Difference
-

**GROUNDWATER MONITORING REPORT
FORMER LONG BEACH CITY TOW YARD
901 WEST ANAHEIM STREET
LONG BEACH, CALIFORNIA**

Prepared for:

Long Beach Redevelopment Agency

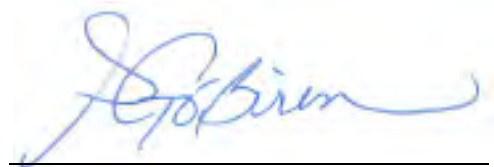
c/o Mr. Craig Justesen
Overland, Pacific & Cutler, Inc.
3750 Schauffele Avenue, Suite 150
Long Beach, CA 90808
(562) 304-2000

Prepared by:

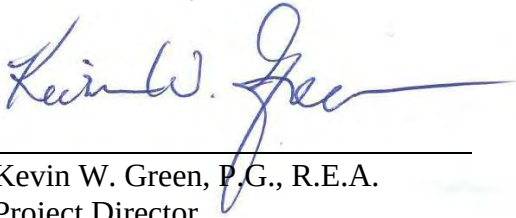
SCS ENGINEERS
3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806
(562) 426-9544

April 2010
File No. 01209295.00

This Groundwater Monitoring Report for the Former Long Beach City Tow Yard at 901 West Anaheim Street, Long Beach, California, dated April 2010, was prepared and reviewed by the following, in connection with the February 18, 2010, groundwater sampling event:



Paola Gómez-Birenbaum, GIT
Project Geologist



Kevin W. Green, P.G., R.E.A.
Project Director

SCS ENGINEERS

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- A Field Data Sheets
- B Laboratory Analytical Report
- C Certified Declaration for Compliance with Fee Title Holder Notification Requirements

LIMITATIONS/DISCLAIMER

This report has been prepared specifically for Overland, Pacific & Cutler, Inc, on behalf of the Long Beach Redevelopment Agency, with specific application to groundwater monitoring related to a former underground gasoline storage tank at the former Long Beach City Tow Yard site located at 901 West Anaheim Street in Long Beach, California. This document has been prepared in accordance with the care and skill generally exercised by reputable professionals, under similar circumstances, in this or similar localities. No other warranty, expressed or implied, is made as to the professional opinions presented herein. Third parties use this report at their own risk. SCS assumes no responsibility for the accuracy of information obtained from, compiled or provided by outside sources. Changes in site use and conditions may occur due to variations in rainfall, temperature, water usage, economic, or other factors. This report is not a legal opinion.

1 INTRODUCTION

SCS Engineers (SCS) was retained by Overland, Pacific & Cutler, Inc, on behalf of the Long Beach Redevelopment Agency, to prepare this groundwater monitoring report for the former Long Beach City Tow Yard located at 901 West Anaheim Street, Long Beach, California (the “Property,” **Figures 1 and 2**). This report is submitted pursuant to the request in a letter dated December 28, 2009, from the Los Angeles Regional Water Quality Control Board (LARWQCB). This letter requested an additional round of groundwater monitoring, as well as additional information and requests as discussed below.

2 LARWQCB ADDITIONAL REQUESTS

Information and other requests by the LARWQCB are discussed below:

- Current land use on the Property and the adjacent properties – The Property was historical a part of the City of Long Beach Tow Yard; it is currently a part of the City of Long Beach Public Service Yard. The Los Angeles River and Flood Control Channel is located to the west. Other portions of the Long Beach Public Service Yard are located north and south. San Francisco Avenue is located to the east, across which is an industrial and commercial area. A map showing the Property and surrounding land use is provided as **Figure 2**.
- Description of previous soil remediation activities on the Property – The previous work conducted on the Property is summarized in the section below.
- Property Owner Information – The Property and all of the immediately adjacent parcels are owned by the City of Long Beach. Only City of Long Beach property is impacted by the release from the Property. A *Certified Declaration for Compliance with Fee Title Holder Notification Requirements* form, completed and signed by city personnel, is provided in **Appendix C**.
- The role of Mr. John Cutler of Overland, Pacific & Cutler, Inc. – Mr. John Cutler was the property owner’s representative. In this capacity, he was copied on past correspondence associated with the Property. The new property owner representative is Mr. Craig Justesen of Overland, Pacific & Cutler, Inc.
- Submission of past reports to the State GeoTracker Internet Database – On February 10, 2010, previous reports referenced below were uploaded to the GeoTracker database. This report will be uploaded to the Geotracker database concurrent with submittal to the LARWQCB.

3 BACKGROUND

SCS was provided copies of three previous reports by other environmental consultants. Since then, four reports of investigation and groundwater monitoring have been prepared by SCS, as discussed below.

MANESS ENVIRONMENTAL SERVICES, NOVEMBER 1995

An *Underground Storage Tank Closure Report*, dated November 2, 1995, prepared by Maness Environmental Service, Inc. (Maness), indicated that on August 30, 1995, a gasoline 550-gallon UST was cleaned and removed from the Property. Two soil samples were collected during the tank removal: one from below the UST excavation and one from a soil stockpile. Analytical results indicated that gasoline-range organics at a concentration of 7,500 milligrams per kilograms (mg/kg) were detected in soils beneath the UST. Groundwater was reportedly encountered at 8 to 10 feet below ground surface (bgs) during the tank excavation. Approximately 150 gallons of UST rinsate was transported from the Property. The report indicates that soils were also removed, although the source and volume of the soils were not provided. Based on the analytical results, Maness recommended characterizing the lateral and vertical extent of the soil impacted by hydrocarbons in the vicinity of the UST.

EPICS INTERNATIONAL, JANUARY 1996

A *Final Site Characterization Report for the Phase II Environmental Assessment of Gasoline-Impacted Soils* was prepared by Epics International (Epics) on January 31, 1996, and indicated that six soil borings (B1-B6; on **Figure 3**) were advanced to depths ranging from 5 to 13 feet bgs in the area surrounding the former UST. Reportedly, 13 soil samples (two from each boring - one shallow and one deep - plus a third from B2), and five groundwater samples (from the 10-foot depth of each boring except for B4), were collected and analyzed. Three additional soil samples were collected: one from each of the north and south sidewalls of the Maness excavation (discussed above) at a depth of six feet bgs, and one from under the center of the excavation at a depth of 10 feet bgs.

Laboratory analyses from the Epics investigation reportedly detected TPH-g and TPH as diesel (TPH-d) in soil (concentrations up to 5,500 mg/kg for TPH-g, and 530 mg/kg for TPH-d) and groundwater (concentrations up to 3,400 milligrams per liter [mg/L] for TPH-g, and 600 mg/L for TPH-d). BTEX were also detected in soils at concentrations up to 27, 48, 110, and 540 mg/kg, respectively, and in groundwater with concentrations up to 18, 42.4, 108, and 703 mg/L, respectively. The highest concentrations of TPH-g, TPH-d and BTEX in soils were found at the B5 location. The highest concentrations of TPH-g, TPH-d, ethyl benzene, and xylenes in groundwater were found at the B1 location; and the highest concentrations of benzene and toluene in groundwater were detected at the B5 location. Based on the sample analysis, Epics recommended excavating the soil in the "immediate area of the former tank location" to a depth of approximately 8 feet bgs or until groundwater is encountered, whichever was shallower. Epics also recommended installing three groundwater monitoring wells to determine the direction of groundwater flow and to monitor the impact to the groundwater.

THE REYNOLDS GROUP, NOVEMBER 2001

A *Workplan to Advance Geoprobos and Install Groundwater Monitoring Wells* was prepared by The Reynolds Group (TRG), dated November 15, 2001 and submitted to the LARWQCB. The workplan summarized the Maness 1995 and the Epics 1996 reports. The workplan proposed the

advancement of six borings to collect soil and groundwater samples and three groundwater monitoring wells.

SCS ENGINEERS, OCTOBER 2005

The TRG workplan was approved by the LARQCB in a letter dated February 19, 2002. In June 2005, under the oversight of SCS, six borings were advanced to a depth of 14 feet bgs. Soil samples were analyzed for TPH-g and volatile organic compounds (VOCs). Groundwater was encountered at approximately 12 feet bgs. Groundwater samples were also collected from each of the borings and analyzed for TPH-g and VOCs. In July 2005, three groundwater monitoring wells were installed on the Property in the vicinity of the former UST. Soil samples were also collected and analyzed during the installation of the wells. In August 2005, groundwater flow was towards the southeast.

Soils in the area of the former UST were impacted with TPH-g (up to 1,500 mg/kg), benzene (up to 300 micrograms per kilogram [ug/kg]), ethylbenzene (up to 34,000 ug/kg), and xylenes (up to 34,000 ug/kg). Groundwater samples collected from the monitoring wells indicated concentrations of TPH-g (up to 0.189 mg/L), ethylbenzene (up to 1.2 micrograms per liter [ug/L]), xylenes (up to 4.8 ug/L), methyl tert butyl ether (MTBE, up to 3.9 ug/L), and tert butyl alcohol (TBA, up to 38.8 ug/L).

SCS concluded that impacts to the soil did not appear to have resulted in significant impact to the groundwater, and recommended continued groundwater monitoring to establish a baseline of data that could be used to justify closure by the LARWQCB. SCS also recommended that soil remediation should be conducted with proposed future development, so that remediation goals would be consistent with future use.

SCS ENGINEERS, APRIL 2006

In March 2006, groundwater was collected from the three monitoring wells on the Property. The groundwater was analyzed for TPH-g and VOCs. In March 2006, groundwater flow was towards the southeast. Groundwater samples collected from the monitoring wells indicated concentrations of TPH-g (up to 0.402 mg/L), benzene (up to 15.8 ug/L), ethylbenzene (up to 18.0 ug/L), xylenes (up to 5.8 ug/L), and MTBE (up to 2.8 ug/L). SCS concluded that the groundwater monitoring results were similar to the previous event.

SCS ENGINEERS, JULY 2006

In June 2006, groundwater was collected from the three monitoring wells on the Property. The groundwater was analyzed for TPH-g and VOCs. In June 2006, groundwater flow was towards the southeast. Groundwater samples collected from the monitoring wells indicated concentrations of TPH-g (up to 1.840 mg/L), benzene (up to 45.8 ug/L), ethylbenzene (up to 50.8 ug/L), xylenes (up to 9.4 ug/L), and MTBE (up to 1.3 ug/L). SCS concluded that the groundwater monitoring results were similar to previous events.

SCS ENGINEERS, OCTOBER 2006

In September 2006, groundwater was collected from the three monitoring wells and analyzed for TPH-g and VOCs. In September 2006, groundwater flow was towards the southeast. Groundwater samples collected from the monitoring wells indicated concentrations of TPH-g (up to 1.03 mg/L), benzene (up to 36.7 ug/L), ethylbenzene (up to 58.7 ug/L), xylenes (up to 4.4 ug/L), and MTBE (up to 2.0 ug/L). SCS concluded that the groundwater monitoring results were similar to previous events and that further monitoring was not warranted.

4 GEOLOGIC, HYDROLOGIC, AND TOPOGRAPHIC INFORMATION

PHYSIOGRAPHIC SETTING

According to the U.S. Geological Survey (USGS), Long Beach (1964, photorevised 1981), California 7.5 minute topographic map, the Property is located immediately east of the Los Angeles River at an elevation of approximately five feet above mean sea level, about 1.3 miles north of San Pedro Bay. Regional topography is relatively flat with a gentle slope to the west.

GEOLOGY AND SOILS

Geologic maps indicate that surface sediments in the area are Quaternary alluvium and coastal deposits of silt, sand, and gravel that are underlain by the late Pleistocene Lakewood Formation. The Lakewood Formation, which consists of gravel, sand, sandy silt, silt and clay with shale pebbles, extends to a depth of approximately 100 feet (CDWR, 1961). Sediments below the Lakewood Formation belong to the late Pleistocene San Pedro Formation.

GROUNDWATER

The Property is located in the southern portion of the West Coast Groundwater Basin. The first regional groundwater aquifer is the Gaspur, which immediately overlies the Lakewood Formation. First groundwater in the vicinity of the Property is approximately 10 feet below grade (CDWR, 1961). There are no known regional groundwater contamination problems in this area. However, shallow groundwater has locally been impacted by saltwater intrusion; therefore, it is not used as a drinking water source. Previous monitoring indicates that groundwater flow is generally southeasterly.

5 SEMI-ANNUAL 2010 GROUNDWATER MONITORING

Groundwater wells MW1 through MW3 were monitored for groundwater elevations and sampled on February 18, 2010. Prior to purging any well, static water levels were measured from a marked reference point using an electronic oil/water interface probe. Groundwater elevation information is provided on **Table 1**. Groundwater was measured at depths between 3.90 and 4.98 feet bgs in the three wells (**Figure 4**); no free hydrocarbon product was detected.

Figure 4 is a site map showing groundwater elevations at the wells, groundwater contours, and the inferred groundwater flow direction in February 2010. Groundwater flow direction was determined towards the southeast with a gradient averaging approximately 0.0010 feet/foot.

Each of the monitored wells was purged and sampled with a portable “low flow” QED bladder pump. The wells were purged until field monitoring parameters (specific conductance [EC], temperature, and pH) stabilized. Water levels, purge volume, field monitoring parameters, and the date and time of all measurements were recorded on field data sheets (**Appendix A**). Samples were collected without headspace, labeled, and placed in coolers for transport to Advanced Environmental Testing Laboratory, Inc (AETL) in Burbank, California. Samples were tracked from point of collection through the laboratory using standard chain-of-custody protocol. Samples from each well were analyzed by AETL for TPH-g, TPH-d, and VOCs including fuel oxygenates using EPA Methods 8015M and 8260B, respectively.

All non-disposable equipment entering the well bores (pumps, bailers, field meters, etc.) was thoroughly decontaminated initially and between wells by cleaning with a laboratory grade detergent in clean potable water, and double rinsing with deionized water. Purge water generated during the project was placed in a 55-gallon DOT drum, sealed, labeled, and stored on the Property for later disposal.

ANALYTICAL RESULTS

The laboratory report, chain-of-custody documentation, and quality assurance/quality control (QA/QC) data from AETL are provided in **Appendix B**. A summary of the groundwater well analytical results is provided in **Table 2**.

TPH-g was detected in all three monitoring wells at concentrations ranging from 0.0087 to 0.352 mg/L (in MW3). A map showing TPH-g contours is provided as **Figure 5**. TPH-d was only detected in the sample from MW3 at a concentration of 0.263 mg/L (below the laboratory quantification limit). A total of eight VOCs were detected in groundwater. As shown in **Table 2**, only benzene in MW3 at 13.5 ug/L exceeded its MCL (maximum contaminant level) of 1 ug/L. Benzene was the only VOC detected in all three wells. A map showing benzene contours is provided as **Figure 6**.

6 CONCLUSIONS AND RECOMMENDATIONS

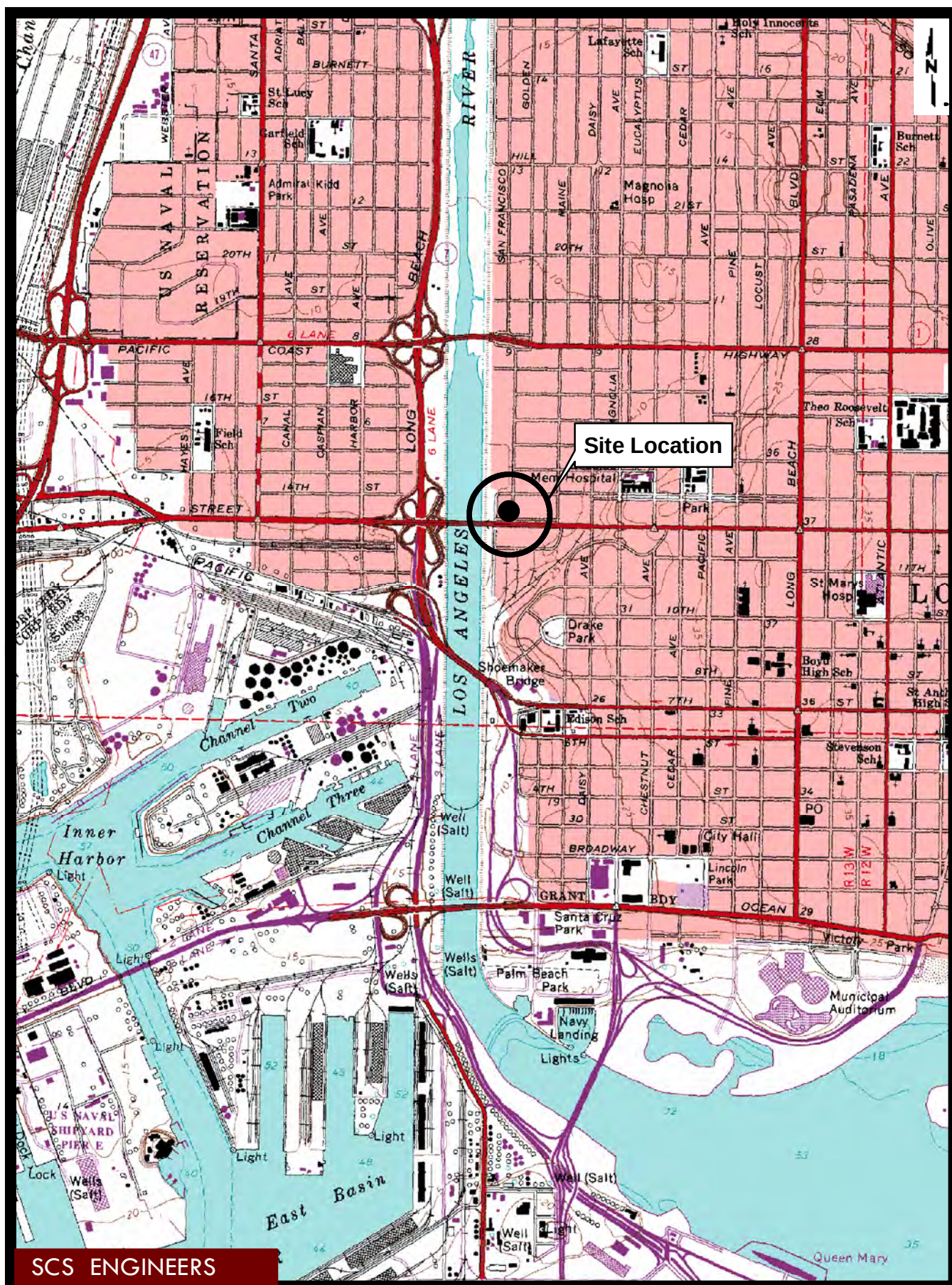
Historical information indicates that residual hydrocarbon concentrations in soil are above generally-accepted cleanup goals and that remediation of soils is therefore warranted. SCS has recommended that soil remediation be conducted with proposed future development, so that remediation goals would be consistent with future use.

The current concentrations of fuel-related constituents in groundwater are similar to or lower than concentrations from the 2006 groundwater monitoring events. SCS believes further investigation or monitoring is not warranted and that the data support closure for groundwater.

7 REFERENCES

- EPICS International. *Final Site Characterization Report for the Phase II Environmental Assessment of Gasoline-Impacted Soils*. January 31, 1996.
- Los Angeles Regional Water Quality Control Board. *Interim Site Assessment and Cleanup Guidebook*. May 1996.
- Los Angeles Regional Water Quality Control Board. *Underground Storage Tank Program-Soil And Groundwater Assessment Long Beach City Tow Yard 901 West Anaheim Street, Long Beach (Case #908130498)*, February 19, 2002.
- California Department of Water Resources. *Planned Utilization of the Ground Water Basins of the Coastal Plain of Los Angeles County*. Bulletin No. 104. 1961; reprinted April 1988.
- Maness Environmental Services, Inc. *Underground Storage Tank Closure Report, City of Long Beach Towing, 901 West Anaheim Street, Long Beach, California*. November 2, 1995.
- The Reynolds Group. *Workplan to Advance Geoprobes and Install Groundwater Monitoring Wells*, November 15, 2001.
- SCS Engineers. *Groundwater Investigation Report, Former Long Beach City Tow Yard, 901 West Anaheim, (APN 7271-007-902), Long Beach, California, (LARWQCB No. 908130498)*. October 17, 2005.
- SCS Engineers. *First Quarter 2006 Groundwater Monitoring, 901 West Anaheim, Long Beach, California*. April 17, 2006.
- SCS Engineers. *Second Quarter 2006 Groundwater Monitoring, 901 West Anaheim, Long Beach, California*. July 18, 2006.
- SCS Engineers. *Third Quarter 2006 Groundwater Monitoring, 901 West Anaheim, Long Beach, California*. October 16, 2006.
- United States Geological Survey, *Long Beach, CA 7.5 Minute Topographic Series Map* (1964, Photorevised 1981).

FIGURES

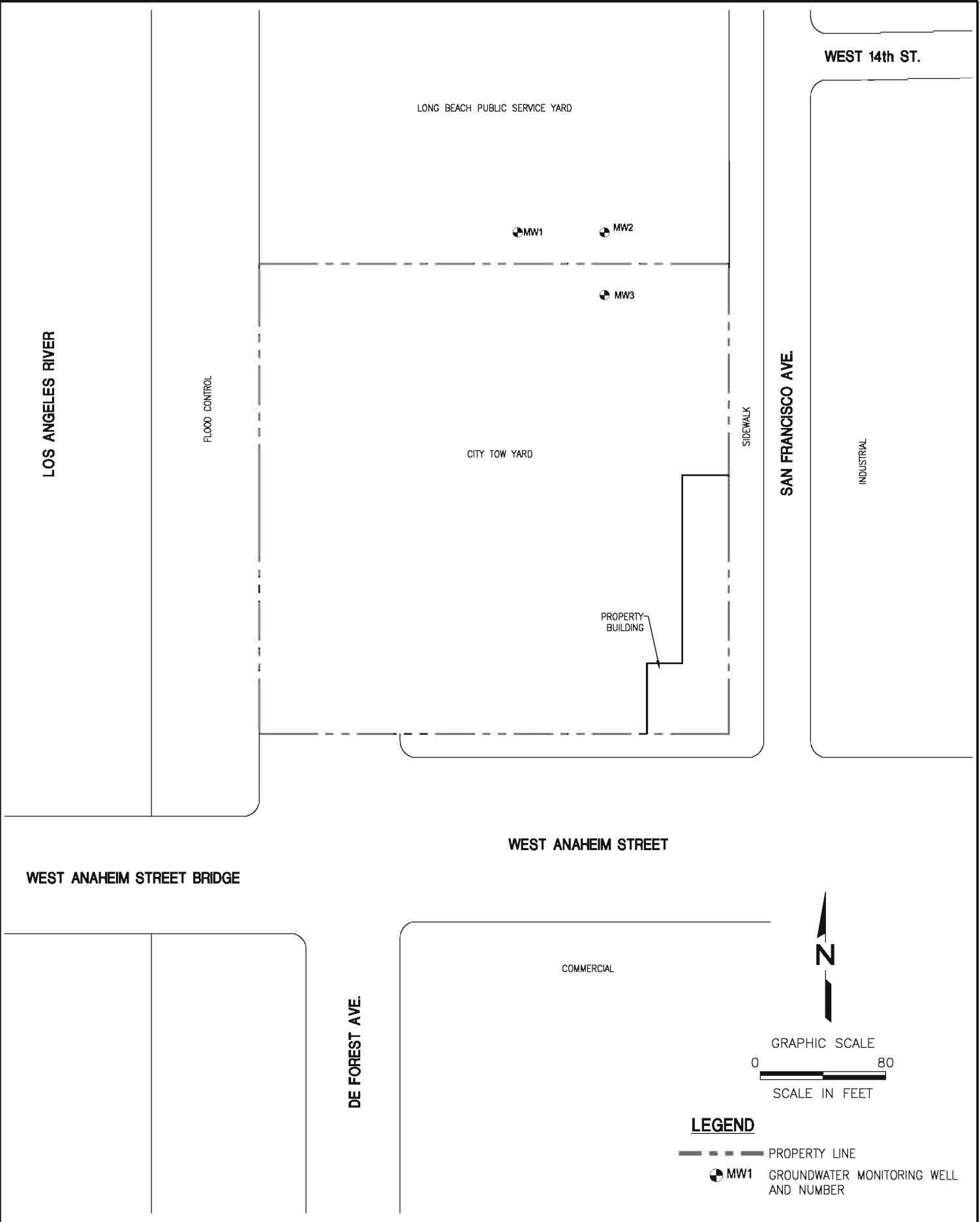


USGS 7.5 Series Quadrangle Map
 Long Beach, CA, 1978
 UTM Zone 11, NAD27
 Project #0120295.00

Figure 1
901 West Anaheim Street
Long Beach, California

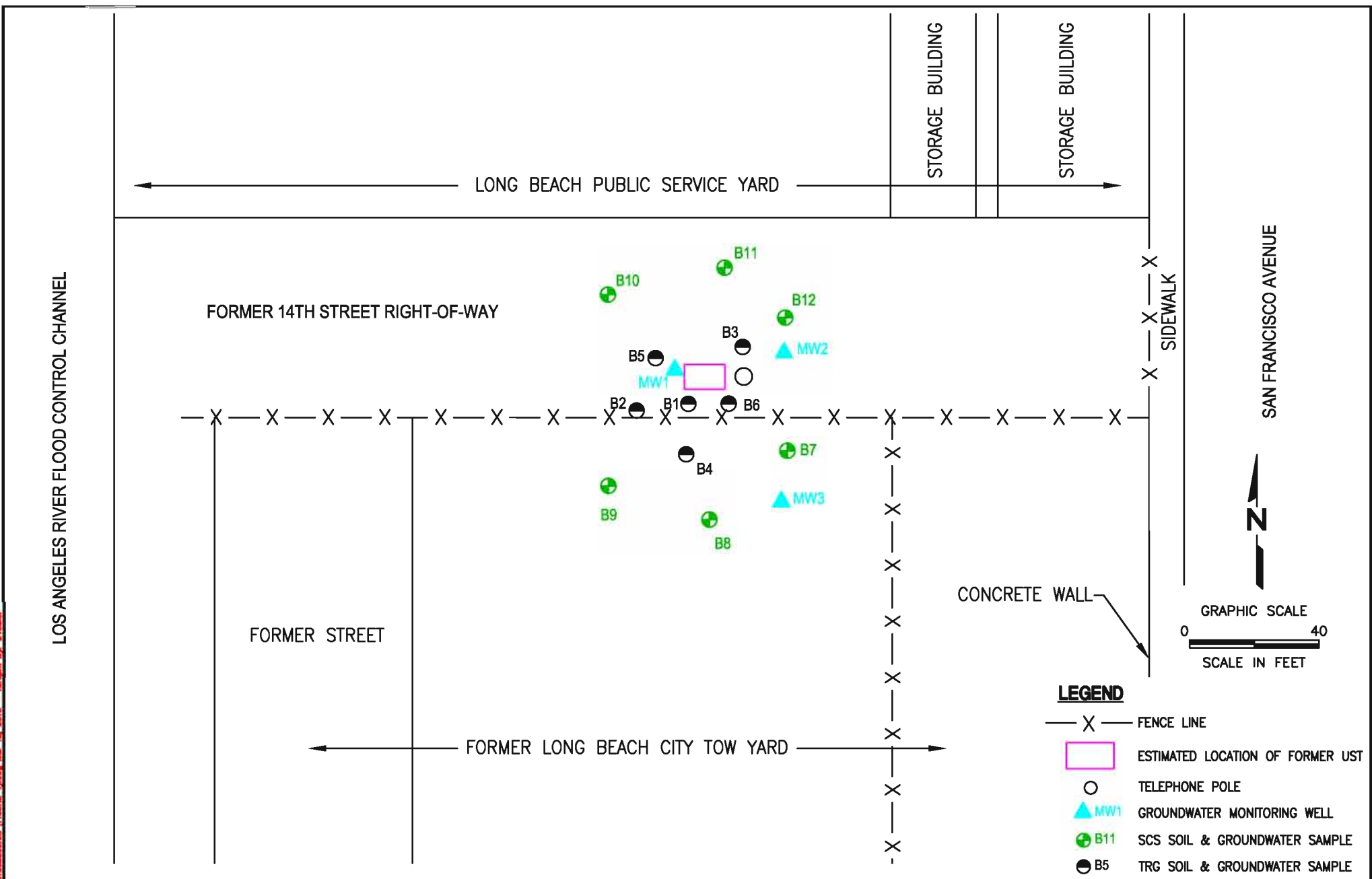
0 1,000 2,000
 Feet
 1 inch = 2,000 feet

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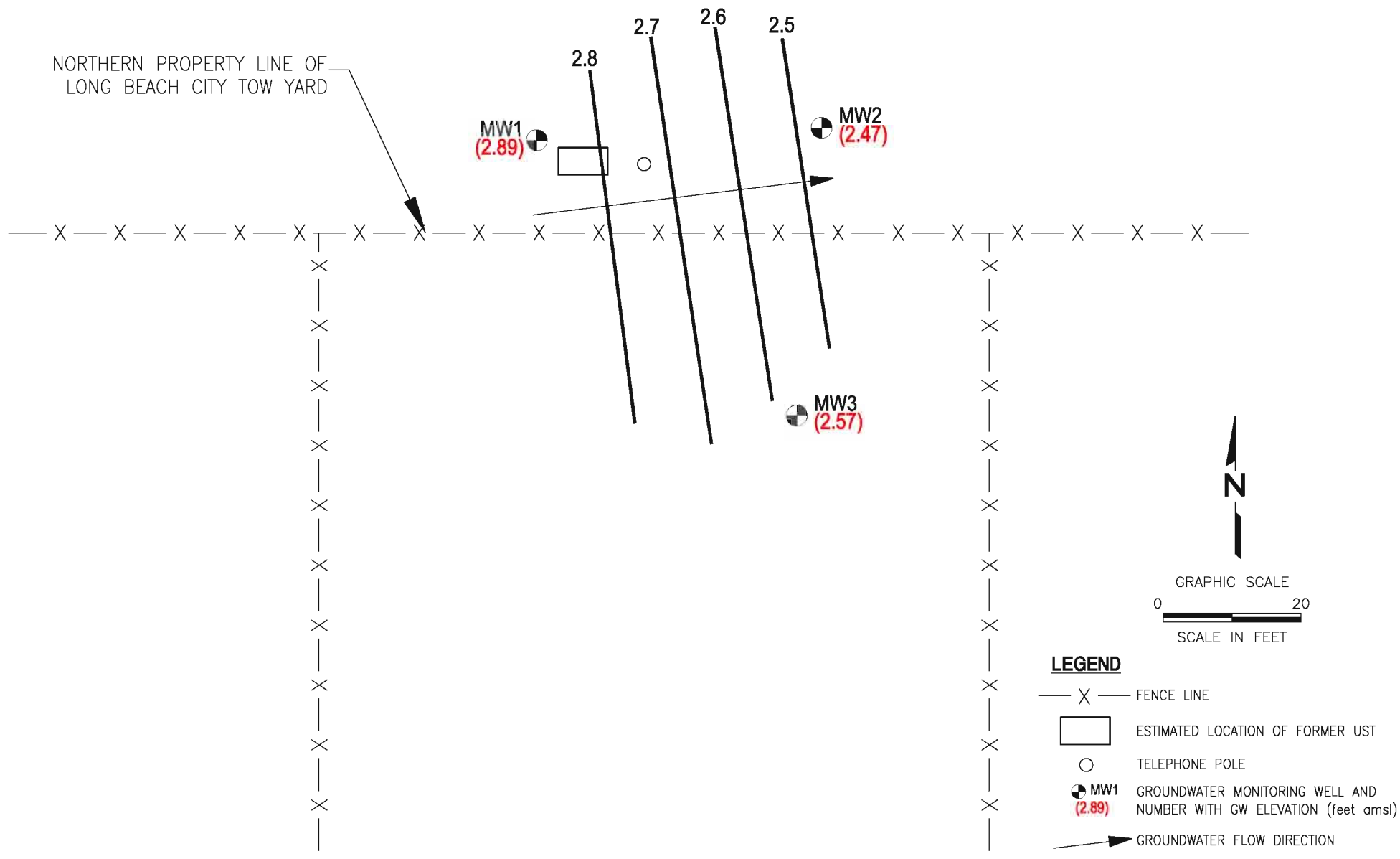
SCS ENGINEERS ENVIRONMENTAL CONSULTANTS 3600 KILROY AVENUE, SUITE 100 LONG BEACH, CA 90808 PH: (562) 428-9544 FAX: (562) 427-0805			CLIENT: CITY OF LONG BEACH c/o MR. CRAIG JUSTESEN OVERLAND, PACIFIC AND CUTLER, INC. 3750 SCHAUFEE AVENUE, SUITE 160 LONG BEACH, CA 90808 (562) 304-2000	SHEET TITLE: GROUNDWATER ELEVATION MAP, FEBRUARY 18, 2010		DATE: 03-11-2010
PROJECT NO. 01209295.00				PROJECT TITLE: GROUNDWATER MONITORING SERVICES FORMER LONG BEACH CITY TOW YARD UST SITE 901 WEST ANAHEIM ST., LONG BEACH, CALIFORNIA		SCALE: 1"=80'
DSK. BY: P.GOMEZ	CHK. BY: P.GOMEZ	APP. BY: K.GREEN				FIGURE NO. 2

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SCS ENGINEERS ENVIRONMENTAL CONSULTANTS 3900 KILROY AIRPORT WAY, SUITE 100 LONG BEACH, CA 90808 PH. (562) 426-9544 FAX. (562) 427-0805			CLIENT: CITY OF LONG BEACH c/o MRL CRAIG JUSTESEN OVERLAND, PACIFIC and CUTLER, INC. 3750 SCHAUFELE AVENUE, SUITE 150 LONG BEACH, CA 90808 (562) 304-2000	SHEET TITLE: SKETCH MAP SHOWING FORMER UST, BORING AND WELL LOCATIONS FORMER LONG BEACH CITY TOW YARD, 901 W. ANAHEIM, LONG BEACH, CA		DATE: 3/11/2010
PROJ. NO. 0120090501	DRN. BY L. FUENTES	ACRD FILE J/HW/2009		PROJECT TITLE: GROUNDWATER MONITORING SERVICES FORMER LONG BEACH CITY TOW YARD UST SITE 901 WEST ANAHEIM ST., LONG BEACH, CALIFORNIA		SCALE: 1" = 40'-0"
CHK. BY P.GOMEZ	CHK. BY P.GOMEZ	APP. BY K. GREEN				FIGURE NO. 3

NORTHERN PROPERTY LINE OF
LONG BEACH CITY TOW YARD



LEGEND

- X — FENCE LINE
- ESTIMATED LOCATION OF FORMER UST
- TELEPHONE POLE
- MW1 (2.89) GROUNDWATER MONITORING WELL AND NUMBER WITH GW ELEVATION (feet amsl)
- GROUNDWATER FLOW DIRECTION

SCS ENGINEERS ENVIRONMENTAL CONSULTANTS

3900 KILROY AIRPORT WAY, SUITE 100
LONG BEACH, CA 90806
PH. (562) 426-9544 FAX. (562) 427-0805

PROJ. NO. 01209295.00	DWN. BY: L. FUENTES	ACAD FILE: J/HW/2009
DSN. BY: P.GOMEZ	CHK. BY: P.GOMEZ	APP. BY: K. GREEN

CLIENT:

CITY OF LONG BEACH
c/o MR. CRAIG JUSTESEN
OVERLAND, PACIFIC and CUTLER, INC.
3750 SCHAUFLE AVENUE, SUITE 150
LONG BEACH, CA 90808
(562) 304-2000

SHEET TITLE:

GROUNDWATER ELEVATION MAP, FEBRUARY 18, 2010,
FORMER LONG BEACH CITY TOW YARD,
901 W. ANAHEIM, LONG BEACH, CA

PROJECT TITLE:

GROUNDWATER MONITORING SERVICES
FORMER LONG BEACH CITY TOW YARD UST SITE
901 WEST ANAHEIM ST., LONG BEACH, CALIFORNIA

DATE:

3/11/2010

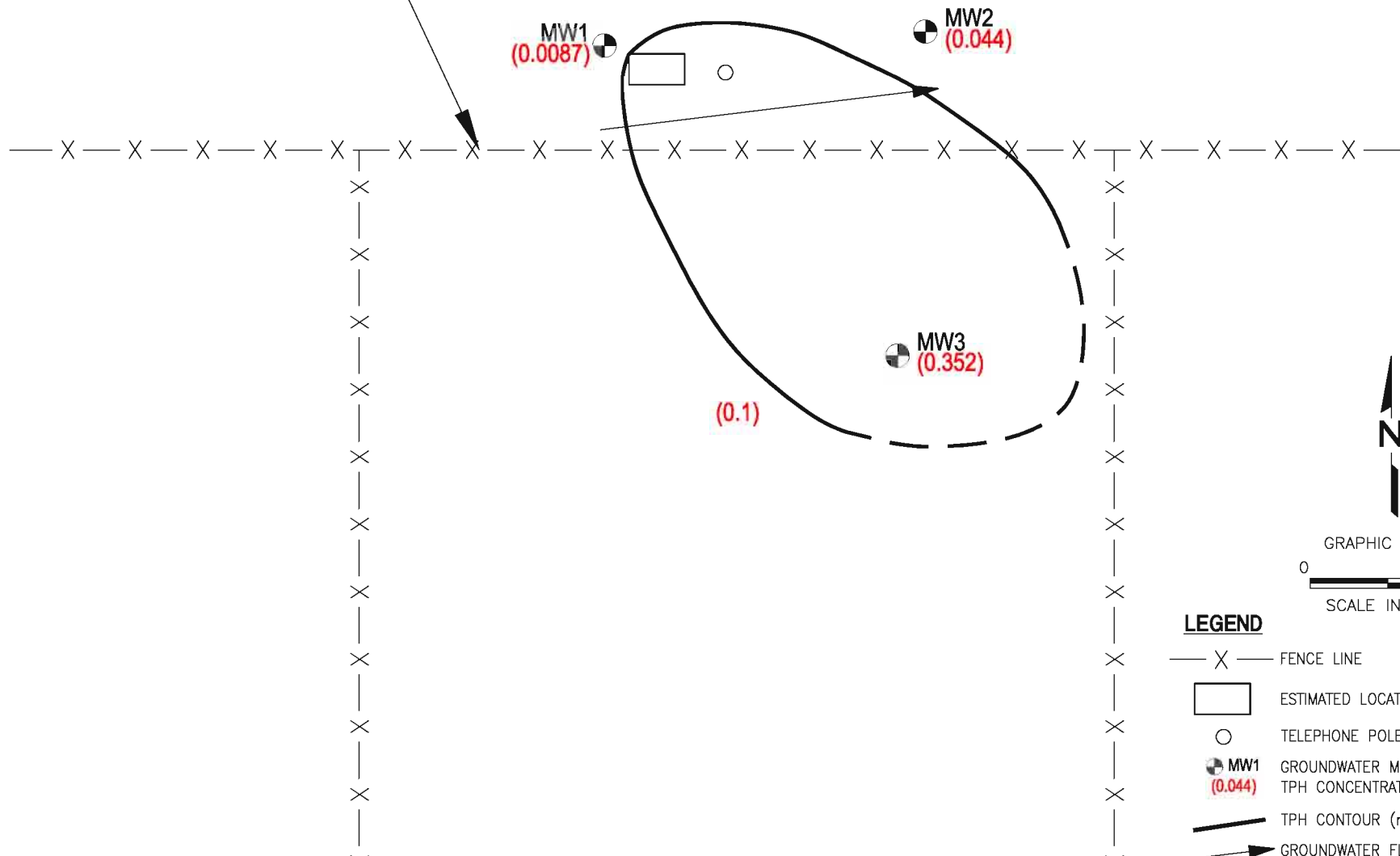
SCALE:

1" = 20'-0"

FIGURE NO.

4

NORTHERN PROPERTY LINE OF
LONG BEACH CITY TOW YARD



LEGEND

- X — FENCE LINE
- ESTIMATED LOCATION OF FORMER UST
- TELEPHONE POLE
- MW1 (0.044) GROUNDWATER MONITORING WELL AND TPH CONCENTRATION (mg/L)
- TPH CONTOUR (mg/L)
- GROUNDWATER FLOW DIRECTION

SCS ENGINEERS ENVIRONMENTAL CONSULTANTS

3900 KILROY AIRPORT WAY, SUITE 100
LONG BEACH, CA 90806
PH. (562) 426-9544 FAX. (562) 427-0805

PROJ. NO. 01209295.00	DWN. BY: L. FUENTES	ACAD FILE: J/HW/2009
DSN. BY: P.GOMEZ	CHK. BY: P.GOMEZ	APP. BY: K. GREEN

CLIENT:

CITY OF LONG BEACH
c/o MR. CRAIG JUSTESEN
OVERLAND, PACIFIC and CUTLER, INC.
3750 SCHAUFLE AVENUE, SUITE 150
LONG BEACH, CA 90808
(562) 304-2000

SHEET TITLE:

TPH-g GROUNDWATER CONTOUR MAP, FEBRUARY 18, 2010,
FORMER LONG BEACH CITY TOW YARD,
901 W. ANAHEIM, LONG BEACH, CA

PROJECT TITLE:

GROUNDWATER MONITORING SERVICES
FORMER LONG BEACH CITY TOW YARD UST SITE
901 WEST ANAHEIM ST., LONG BEACH, CALIFORNIA

DATE:

3/11/2010

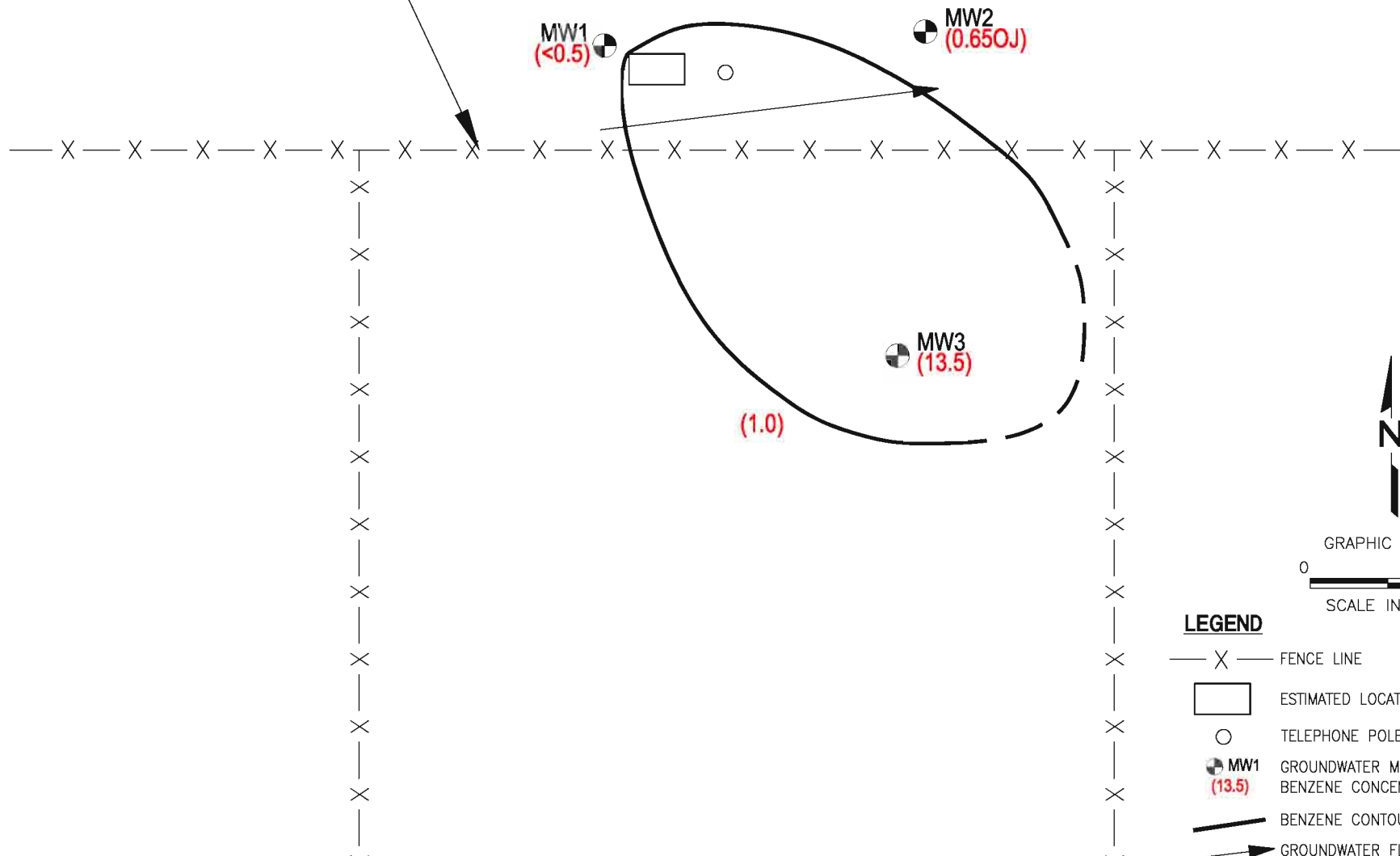
SCALE:

1" = 20'-0"

FIGURE NO.

5

NORTHERN PROPERTY LINE OF
LONG BEACH CITY TOW YARD



SCS ENGINEERS **ENVIRONMENTAL CONSULTANTS**

3900 KILROY AIRPORT WAY, SUITE 100
LONG BEACH, CA 90806
PH. (562) 426-9544 FAX. (562) 427-0805

PROJ. NO. 01209295.00	DWN. BY: L. FUENTES	ACAD FILE: J/HW/2009
DSN. BY: P.GOMEZ	CHK. BY: P.GOMEZ	APP. BY: K. GREEN

CLIENT:

CITY OF LONG BEACH
c/o MR. CRAIG JUSTESEN
OVERLAND, PACIFIC and CUTLER, INC.
3750 SCHAUFLE AVENUE, SUITE 150
LONG BEACH, CA 90808
(562) 304-2000

SHEET TITLE:

**BENZENE GROUNDWATER CONTOUR MAP, FEBRUARY 18, 2010,
FORMER LONG BEACH CITY TOW YARD,
901 W. ANAHEIM, LONG BEACH, CA**

PROJECT TITLE:

**GROUNDWATER MONITORING SERVICES
FORMER LONG BEACH CITY TOW YARD UST SITE
901 WEST ANAHEIM ST., LONG BEACH, CALIFORNIA**

DATE:

3/11/2010

SCALE:

1" = 20'-0"

FIGURE NO.

6

TABLES

TABLE 1
SUMMARY OF GROUNDWATER ELEVATION DATA
LONG BEACH CITY TOW YARD
901 W. ANAHEIM STREET, LONG BEACH, CALIFORNIA

Well No. (Casing Diameter)	Reference Point Elevation* (Ft. above MSL)	Measured Casing Depth (Ft. Below RP)	Perforated Interval (bgs)	Date	Depth to Water (Ft. below RP)	Groundwater Elevation (Ft. Above MSL)
MW-1 (4 in.)	6.79	20	5-20	8/11/2005	5.99	0.80
				3/24/2006	6.00	0.79
				6/20/2006	5.90	0.89
				9/20/2006	6.58	0.21
				2/18/2010	3.90	2.89
MW-2 (4 in.)	6.74	20	5-20	8/11/2005	6.23	0.51
				3/24/2006	6.17	0.57
				6/20/2006	6.11	0.63
				9/20/2006	6.74	0.00
				2/18/2010	4.27	2.47
MW-3 (4 in.)	7.55	20	5-20	8/11/2005	7.12	0.43
				3/24/2006	7.07	0.48
				6/20/2006	6.99	0.56
				9/20/2006	7.57	-0.02
				2/18/2010	4.98	2.57

* = Casing reference point elevation.
RP = Reference Point on Well Casing
MSL = Mean Sea Level.
BGS = Below Ground Surface.

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
LONG BEACH CITY TOW YARD
901 W. ANAHEIM STREET, LONG BEACH, CALIFORNIA

Well ID	Sample Date	Total Petroleum Hydrocarbons (EPA Method 8015BM)		Volatile Organic Compounds (VOCs) (EPA Method 8260B)															
		Gasoline Range (C4-C12)	Diesel Range (C13-C22)	Benzene	Toluene	Ethylbenzene	Xylenes	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Isopropylbenzene	n-Propylbenzene	p-Isopropyltoluene	Naphthalene	n-Butylbenzene	sec-Butylbenzene	Chloromethane	Methyl-tert-butyl ether (MTBE)	Diisopropyl Ether (DIPE)	tert-Butyl alcohol (TBA)
		Milligrams per Liter (mg/L)		Micrograms per Liter (µg/L)															
MW1	8/11/05	0.189	--	<0.5	<0.5	1.2	4.8	--	--	--	--	--	--	--	--	--	<0.5	<0.5	<0.5
	3/24/06	0.171	--	0.9 J	1.4	12.9	5.3	7.2	<0.5	3.9	6.1	<0.5	<0.5	<0.5	0.6 J	<1.5	<0.5	<0.5	<10
	6/20/06	1.840	--	<0.5	<0.5	1.3	<1.5	<0.5	<0.5	2.3	2.2	<0.5	<0.5	<0.5	<0.5	<1.5	<0.5	<0.5	<10
	9/20/06	0.171	--	<0.5	<0.5	2.2	<1.5	0.7 J	<0.5	1.1	1.5	<0.5	0.8 J	<0.5	<0.5	<1.5	<0.5	<0.5	<10
	2/18/10	0.0087J	<0.1	<0.5	<0.5	<0.5	<1.5	<0.5	<0.5	0.720J	<0.5	<0.5	<0.5	<0.5	<0.5	<1.5	<0.5	<0.5	<10
MW2	8/11/05	<0.005	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	--	--	--	--	<0.5	<0.5	<0.5
	3/24/06	0.158	--	0.8 J	2.2	0.6 J	3.5	<0.5	<0.5	4.3	2.3	<0.5	<0.5	<0.5	0.5 J	<1.5	<0.5	<0.5	<10
	6/20/06	0.036	--	<0.5	<0.5	<0.5	<1.5	<0.5	<0.5	1.0	0.7 J	<0.5	<0.5	<0.5	<0.5	<1.5	<0.5	<0.5	<10
	9/20/06	0.037	--	<0.5	<0.5	1.1	<1.5	<0.5	<0.5	0.5 J	0.7 J	<0.5	<0.5	<0.5	<0.5	<1.5	<0.5	<0.5	<10
	2/18/10	0.044	<0.1	0.650J	<0.5	1.54	<1.5	<0.5	<0.5	1.10	0.960J	<0.5	<0.5	<0.5	<0.5	2.06J	<0.5	<0.5	<10
MW3	8/11/05	0.024	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	--	--	--	--	3.9	<0.5	38.8 J
	3/24/06	0.402	--	15.8	2.3	18.0	5.8	2.2	0.6 J	8.2	9.4	<0.5	3.3	<0.5	1.3	<1.5	2.8	0.9 J	<10
	6/20/06	1.84	--	45.8	2.8	50.8	9.4	10.8	4.7	26.4	53.7	0.6 J	23.5	<0.5	5.7	<1.5	1.3	<0.5	<10
	9/20/06	1.03	--	36.7	2.1	58.7	4.4	4.9	3.5	13.9	30.3	<0.5	1.9	2.9	2.4	<1.5	2.0	<0.5	<10
	2/18/10	0.352	0.263J	13.5	0.630J	<0.5	1.69J	<0.5	<0.5	1.53	1.81	<0.5	8.34	<0.5	<0.5	<1.5	<0.5	<0.5	<10
MCL or NL		--	--	1	150	300	1,750	--	--	--	--	--	17	--	--	--	13	--	12

Notes:

- 1) -- = Not Applicable or Not Analyzed
- 2) < = Less than reporting limit
- 3) J = Analyte was detected. However, the analyte concentration is an estimated value, which is between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).
- 4) MCL = Maximum Contaminant Level; NL = Notification Level (formerly referred to as action level). Reference - California Department of Health Services.

APPENDIX A
FIELD DATA SHEETS

GROUNDWATER SAMPLING RECORD

Well ID: MW-1 Station #: _____ Project # 01209295.00

Facility Name: Long Beach City Toward. Date: 2/18/10

Well Depth: 20' Depth to Water: 3.90 Well Diameter: 4"

Casing Material: pvc Volume Of Water per Well Volume: _____

Sampling Crew: L Weaver

Equipment: QED MicroPurge Tubing Material: Polyethylene Pump set at 12' ft.

Weather Conditions: Sunny 72', Calm wind

NOTES: Clear water, mid odor.

TIME	<u>12:10</u>	<u>12:14</u>	<u>12:18</u>		
Volume Pumped	<u>1.2L</u>	<u>2.4L</u>	<u>3.6L</u>		
Water Level					
Temp. (°C)	<u>22.19</u>	<u>22.12</u>	<u>22.08</u>		
Pumping Rate	<u>300ml/min</u>	<u>"</u>	<u>"</u>		
DO (mg/l)	<u>0.41</u>	<u>0.23</u>	<u>0.17</u>		
EC (°S/cm)	<u>12.8</u>	<u>12.3</u>	<u>11.9</u>		
PH	<u>8.32</u>	<u>8.38</u>	<u>8.39</u>		
ORP (mV)	<u>-159</u>	<u>-177</u>	<u>-179</u>		
Turbidity (NTU)	<u>2</u>	<u>2</u>	<u>2</u>		

Parameters taken with: Hanba U-53 Other Parameters: _____

Sampled at: 12:18 (time) Sample collection method: QED MicroPurge

Sample delivered to AETL by L Weaver at _____

Sample #'s: _____ Other #'s: _____

Parameters Collected; Number of Bottles; Bottle Lot Number:

6260B + 0.1g/L
8015M TPH-B, TPH-D

GROUNDWATER SAMPLING RECORD

Well ID: MW-2 Station #: _____ Project # 01209295.00

Facility Name: Long Beach City Tow/ord. Date: 2/18/10

Well Depth: 20' Depth to Water: 4.27 Well Diameter: 4"

Casing Material: pvc Volume Of Water per Well Volume: _____

Sampling Crew: L Weaver

Equipment: QED MicroPurge Tubing Material: Polyethylene Pump set at 12' ft.

Weather Conditions: Sunny 72', Calm wind

NOTES: Clear water, mid odor.

TIME	<u>11:41</u>	<u>11:45</u>	<u>11:49</u>		
Volume Pumped	<u>1.2L</u>	<u>2.4L</u>	<u>3.6L</u>		
Water Level					
Temp. (°C)	<u>21.90</u>	<u>22.03</u>	<u>22.03</u>		
Pumping Rate	<u>300ml/min</u>	<u>"</u>	<u>"</u>		
DO (mg/l)	<u>0.53</u>	<u>0.72</u>	<u>0.71</u>		
EC (°S/cm)	<u>9.51</u>	<u>9.51</u>	<u>9.30</u>		
PH	<u>8.52</u>	<u>8.54</u>	<u>8.52</u>		
ORP (mV)	<u>-48</u>	<u>-59</u>	<u>-63</u>		
Turbidity (NTU)	<u>0</u>	<u>0</u>	<u>0</u>		

Parameters taken with: Hanba U-53 Other Parameters: _____

Sampled at: 11:49 (time) Sample collection method: QED MicroPurge

Sample delivered to AETL by L Weaver at _____

Sample #'s: _____ Other #'s: _____

Parameters Collected; Number of Bottles; Bottle Lot Number:

8260B + Oxygenates
8015M + PH-B, PH-D

GROUNDWATER SAMPLING RECORD

Well ID: MW-3 Station #: _____ Project # 01209295.00

Facility Name: Long Beach City Toward. Date: 2/18/10

Well Depth: 20' Depth to Water: 4.98 Well Diameter: 4"

Casing Material: pvc Volume Of Water per Well Volume: _____

Sampling Crew: L Weaver

Equipment: QED MicroPurge Tubing Material: Polyethylene Pump set at 12' ft.

Weather Conditions: Sunny 72°, Calm wind

NOTES: Clear water, mid odor.

TIME	<u>12:44</u>	<u>12:48</u>	<u>12:52</u>		
Volume Pumped	<u>1.2L</u>	<u>2.4L</u>	<u>3.6L</u>		
Water Level					
Temp. (°C)	<u>22.57</u>	<u>22.52</u>	<u>22.53</u>		
Pumping Rate	<u>300ml/min</u>	<u>"</u>	<u>"</u>		
DO (mg/l)	<u>0.54</u>	<u>0.17</u>	<u>0.14</u>		
EC (µS/cm)	<u>228</u>	<u>229</u>	<u>229</u>		
PH	<u>7.82</u>	<u>7.83</u>	<u>7.86</u>		
ORP (mV)	<u>-31</u>	<u>-63</u>	<u>-83</u>		
Turbidity (NTU)	<u>50</u>	<u>34</u>	<u>32</u>		

Parameters taken with: Hanba U-53 Other Parameters: _____

Sampled at: 12:52 (time) Sample collection method: QED MicroPurge

Sample delivered to AETC by L Weaver at _____

Sample #'s: _____ Other #'s: _____

Parameters Collected; Number of Bottles; Bottle Lot Number:

826006 + Oxidates
8015M + PH-6, TPH-D

APPENDIX B

LABORATORY ANALYTICAL REPORTS



American Environmental Testing Laboratory Inc.

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Ordered By

SCS Engineers
3900 Kilroy Airport Way Suite 100
Long Beach, CA 90806-6816

Number of Pages 10
Date Received 02/18/2010
Date Reported 02/24/2010

Telephone: (562)426-9544
Attention: Kevin Green

Job Number	Order Date	Client
55966	02/18/2010	SCS

Project ID: 01209295.00
Project Name: Long Beach City Tow Yard
Site: Long Beach, CA

Enclosed please find results of analyses of 3 water samples which were analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By: _____

Approved By: _____

Cyrus Razmara, Ph.D.
Laboratory Director

CHAIN OF CUSTODY RECORD

No 67466

COMPANY SCS Engineers		PROJECT MANAGER Kevin Green		AETL JOB No. 55966		Page 1 of 1	
COMPANY ADDRESS 3900 Kilauea Point Way Ste. 100		PHONE 562 426-9544		ANALYSIS REQUESTED		TEST INSTRUCTIONS & COMMENTS	
PROJECT NAME Long Beach City Tow Yard		FAX					
PROJECT # 01209295.00		PO #					
SITE NAME AND ADDRESS Long Beach							
SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.	
1 MW-2	55966-01	2/18/10	11:49	water	1 Lamber 3 vials	Hol	
2 MW-1	55966-02	1	12:18	1	1	1	
3 MW-3	55966-03	1	12:52	1	1	1	
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
SAMPLE RECEIPT - TO BE FILLED BY LABORATORY							
TOTAL NUMBER OF CONTAINERS		12	PROPERLY COOLED Y / N / NA		RELINQUISHED BY: 1.		RELINQUISHED BY: 2.
CUSTODY SEALS Y / N / NA			SAMPLES INTACT Y / N / NA		Signature: <i>Kevin Green</i>		Signature: <i>[Signature]</i>
RECEIVED IN GOOD COND. Y / N			SAMPLES ACCEPTED Y / N		Printed Name: <i>Kevin Green</i>		Printed Name: <i>[Signature]</i>
					Date: <i>2/18/10</i> Time: <i>1500</i>		Date: <i>02/18/10</i> Time: <i>1625</i>
TURN AROUND TIME							
☒ NORMAL		☐ RUSH		☐ SAME DAY		RECEIVED BY: 1.	RECEIVED BY: 2.
				☐ 2 DAYS		Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>
				☐ 3 DAYS		Printed Name: <i>[Signature]</i>	Printed Name: <i>[Signature]</i>
						Date: <i>2/18/10</i> Time: <i>1500</i>	Date: <i>02/18/10</i> Time: <i>1625</i>

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator



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ANALYTICAL RESULTS

Ordered By

Site

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Suite 100
Long Beach, CA 90806-6816

Long Beach, CA

Telephone: (562)426-9544

Attn: Kevin Green

Page: 2

Project ID: 01209295.00

Project Name: Long Beach City Tow Yard

AETL Job Number	Submitted	Client
55966	02/18/2010	SCS

Method: 8260B, Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0222106A1

Our Lab I.D.			Method Blank	55966.01	55966.02	55966.03	
Client Sample I.D.				MW-2	MW-1	MW-3	
Date Sampled				02/18/2010	02/18/2010	02/18/2010	
Date Prepared			02/22/2010	02/22/2010	02/22/2010	02/22/2010	
Preparation Method			5030B	5030B	5030B	5030B	
Date Analyzed			02/22/2010	02/22/2010	02/22/2010	02/22/2010	
Matrix			Aqueous	Aqueous	Aqueous	Aqueous	
Units			ug/L	ug/L	ug/L	ug/L	
Dilution Factor			1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	
Acetone	10	10	ND	ND	ND	ND	
Benzene	0.5	1.0	ND	0.650J	ND	13.5	
Bromobenzene (Phenyl bromide)	0.5	1.0	ND	ND	ND	ND	
Bromochloromethane	0.5	1.0	ND	ND	ND	ND	
Bromodichloromethane	0.5	1.0	ND	ND	ND	ND	
Bromoform (Tribromomethane)	2.5	5.0	ND	ND	ND	ND	
Bromomethane (Methyl bromide)	1.5	3.0	ND	ND	ND	ND	
2-Butanone (MEK)	5.0	5.0	ND	ND	ND	ND	
n-Butylbenzene	0.5	1.0	ND	ND	ND	ND	
sec-Butylbenzene	0.5	1.0	ND	ND	ND	ND	
tert-Butylbenzene	0.5	1.0	ND	ND	ND	ND	
Carbon Disulfide	0.5	1.0	ND	ND	ND	ND	
Carbon tetrachloride	0.5	1.0	ND	ND	ND	ND	
Chlorobenzene	0.5	1.0	ND	ND	ND	ND	
Chloroethane	1.5	3.0	ND	ND	ND	ND	
2-Chloroethyl vinyl ether	2.5	5.0	ND	ND	ND	ND	
Chloroform (Trichloromethane)	0.5	1.0	ND	ND	ND	ND	
Chloromethane (Methyl chloride)	1.5	3.0	ND	2.06J	ND	ND	
2-Chlorotoluene	0.5	1.0	ND	ND	ND	ND	
4-Chlorotoluene	0.5	1.0	ND	ND	ND	ND	
1,2-Dibromo-3-chloropropane (DBCP)	2.5	5.0	ND	ND	ND	ND	
Dibromochloromethane	0.5	1.0	ND	ND	ND	ND	
1,2-Dibromoethane (EDB)	0.5	1.0	ND	ND	ND	ND	
Dibromomethane	0.5	1.0	ND	ND	ND	ND	
1,2-Dichlorobenzene	0.5	1.0	ND	ND	ND	ND	
1,3-Dichlorobenzene	0.5	1.0	ND	ND	ND	ND	
1,4-Dichlorobenzene	0.5	1.0	ND	ND	ND	ND	



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ANALYTICAL RESULTS

Page: **3**

Project ID: 01209295.00
Project Name: Long Beach City Tow Yard

AETL Job Number	Submitted	Client
55966	02/18/2010	SCS

Method: 8260B, Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0222106A1

Our Lab I.D.			Method Blank	55966.01	55966.02	55966.03	
Client Sample I.D.				MW-2	MW-1	MW-3	
Date Sampled				02/18/2010	02/18/2010	02/18/2010	
Date Prepared			02/22/2010	02/22/2010	02/22/2010	02/22/2010	
Preparation Method			5030B	5030B	5030B	5030B	
Date Analyzed			02/22/2010	02/22/2010	02/22/2010	02/22/2010	
Matrix			Aqueous	Aqueous	Aqueous	Aqueous	
Units			ug/L	ug/L	ug/L	ug/L	
Dilution Factor			1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	
Dichlorodifluoromethane	1.5	3.0	ND	ND	ND	ND	
1,1-Dichloroethane	0.5	1.0	ND	ND	ND	ND	
1,2-Dichloroethane (EDC)	0.5	1.0	ND	ND	ND	ND	
1,1-Dichloroethene	0.5	1.0	ND	ND	ND	ND	
cis-1,2-Dichloroethene	0.5	1.0	ND	ND	ND	ND	
trans-1,2-Dichloroethene	0.5	1.0	ND	ND	ND	ND	
1,2-Dichloropropane	0.5	1.0	ND	ND	ND	ND	
1,3-Dichloropropane	0.5	1.0	ND	ND	ND	ND	
2,2-Dichloropropane	0.5	1.0	ND	ND	ND	ND	
1,1-Dichloropropene	0.5	1.0	ND	ND	ND	ND	
cis-1,3-Dichloropropene	0.5	1.0	ND	ND	ND	ND	
trans-1,3-Dichloropropene	0.5	1.0	ND	ND	ND	ND	
Ethylbenzene	0.5	1.0	ND	1.54	ND	ND	
Hexachlorobutadiene	1.5	3.0	ND	ND	ND	ND	
2-Hexanone	2.5	5.0	ND	ND	ND	ND	
Iodomethane	0.5	1.0	ND	ND	ND	ND	
Isopropylbenzene	0.5	1.0	ND	1.10	0.720J	1.53	
p-Isopropyltoluene	0.5	1.0	ND	ND	ND	ND	
4-Methyl-2-pentanone (MIBK)	2.5	5.0	ND	ND	ND	ND	
Methylene chloride (DCM)	2.0	4.0	ND	ND	ND	ND	
Naphthalene	0.5	1.0	ND	ND	ND	8.34	
n-Propylbenzene	0.5	1.0	ND	0.960J	ND	1.81	
Styrene	0.5	1.0	ND	ND	ND	ND	
1,1,1,2-Tetrachloroethane	0.5	1.0	ND	ND	ND	ND	
1,1,2,2-Tetrachloroethane	0.5	1.0	ND	ND	ND	ND	
Tetrachloroethene	0.5	1.0	ND	ND	ND	ND	
Toluene (Methyl benzene)	0.5	1.0	ND	ND	ND	0.630J	
1,2,3-Trichlorobenzene	0.5	1.0	ND	ND	ND	ND	
1,2,4-Trichlorobenzene	0.5	1.0	ND	ND	ND	ND	
1,1,1-Trichloroethane	0.5	1.0	ND	ND	ND	ND	
1,1,2-Trichloroethane	0.5	1.0	ND	ND	ND	ND	
Trichloroethene	0.5	1.0	ND	ND	ND	ND	
Trichlorofluoromethane	0.5	1.0	ND	ND	ND	ND	
1,2,3-Trichloropropane	0.5	1.0	ND	ND	ND	ND	



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ANALYTICAL RESULTS

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Project ID: 01209295.00
Project Name: Long Beach City Tow Yard

AETL Job Number	Submitted	Client
55966	02/18/2010	SCS

Method: 8260B, Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0222106A1

Our Lab I.D.			Method Blank	55966.01	55966.02	55966.03	
Client Sample I.D.				MW-2	MW-1	MW-3	
Date Sampled				02/18/2010	02/18/2010	02/18/2010	
Date Prepared			02/22/2010	02/22/2010	02/22/2010	02/22/2010	
Preparation Method			5030B	5030B	5030B	5030B	
Date Analyzed			02/22/2010	02/22/2010	02/22/2010	02/22/2010	
Matrix			Aqueous	Aqueous	Aqueous	Aqueous	
Units			ug/L	ug/L	ug/L	ug/L	
Dilution Factor			1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	
1,2,4-Trimethylbenzene	0.5	1.0	ND	ND	ND	ND	
1,3,5-Trimethylbenzene	0.5	1.0	ND	ND	ND	ND	
Vinyl Acetate	0.5	5.0	ND	ND	ND	ND	
Vinyl chloride (Chloroethene)	0.5	3.0	ND	ND	ND	ND	
o-Xylene	0.5	1.0	ND	ND	ND	ND	
m,p-Xylenes	1.0	2.0	ND	ND	ND	1.69J	
tert-Butyl alcohol (TBA)	10	50	ND	ND	ND	ND	
Diisopropyl ether (DIPE)	0.5	1.0	ND	ND	ND	ND	
Ethyl alcohol (Ethanol)	250	500	ND	ND	ND	ND	
Ethyl-tert-butyl ether (ETBE)	0.5	1.0	ND	ND	ND	ND	
Methyl-tert-butyl ether (MTBE)	0.5	1.0	ND	ND	ND	ND	
tert-Amyl methyl ether (TAME)	0.5	1.0	ND	ND	ND	ND	
Our Lab I.D.			Method Blank	55966.01	55966.02	55966.03	
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	
Bromofluorobenzene	75-125		99.6	117	114	93.0	
Dibromofluoromethane	75-125		81.1	97.5	92.4	88.8	
Toluene-d8	75-125		96.8	96.6	95.4	95.0	



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ANALYTICAL RESULTS

Ordered By

SCS Engineers
3900 Kilroy Airport Way
Suite 100
Long Beach, CA 90806-6816

Site

Long Beach, CA

Telephone: (562)426-9544

Attn: Kevin Green

Page: 5

Project ID: 01209295.00

Project Name: Long Beach City Tow Yard

AETL Job Number	Submitted	Client
55966	02/18/2010	SCS

Method: M8015G, TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 022210NB4

Our Lab I.D.			Method Blank	55966.01	55966.02	55966.03	
Client Sample I.D.				MW-2	MW-1	MW-3	
Date Sampled				02/18/2010	02/18/2010	02/18/2010	
Date Prepared			02/22/2010	02/22/2010	02/22/2010	02/22/2010	
Preparation Method			5030B	5030B	5030B	5030B	
Date Analyzed			02/23/2010	02/23/2010	02/23/2010	02/23/2010	
Matrix			Aqueous	Aqueous	Aqueous	Aqueous	
Units			mg/L	mg/L	mg/L	mg/L	
Dilution Factor			1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	
TPH as Gasoline and Light HC. (C4-C12)	0.005	0.010	ND	0.0437	0.0087J	0.352	
Our Lab I.D.			Method Blank	55966.01	55966.02	55966.03	
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	
Bromofluorobenzene	75-125		98.4	107	107	99.0	



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ANALYTICAL RESULTS

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Long Beach, CA

Telephone: (562)426-9544

Attn: Kevin Green

Page: 6

Project ID: 01209295.00

Project Name: Long Beach City Tow Yard

AETL Job Number	Submitted	Client
55966	02/18/2010	SCS

Method: M8015D, TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 021910

Our Lab I.D.			Method Blank	55966.01	55966.02	55966.03	
Client Sample I.D.				MW-2	MW-1	MW-3	
Date Sampled				02/18/2010	02/18/2010	02/18/2010	
Date Prepared			02/19/2010	02/19/2010	02/19/2010	02/19/2010	
Preparation Method			3510C	3510C	3510C	3510C	
Date Analyzed			02/19/2010	02/20/2010	02/20/2010	02/20/2010	
Matrix			Aqueous	Aqueous	Aqueous	Aqueous	
Units			mg/L	mg/L	mg/L	mg/L	
Dilution Factor			1	1	1	1	
Analytes		MDL	PQL	Results	Results	Results	Results
TPH as Diesel (C13-C22)		0.1	0.5	ND	ND	ND	0.263J
TPH as Heavy Hydrocarbons (C23-C40)		0.1	0.5	ND	ND	ND	ND
TPH Total as Diesel and Heavy HC.C13-C40		0.1	0.5	ND	ND	ND	0.263J
Our Lab I.D.			Method Blank	55966.01	55966.02	55966.03	
Surrogates		%Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	
Chlorobenzene		60-125	66.8	116	114	116	



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QUALITY CONTROL RESULTS

Ordered By

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Long Beach, CA 90806-6816

Long Beach, CA

Telephone: (562)426-9544

Attn: Kevin Green

Page: 7

Project ID: 01209295.00

Project Name: Long Beach City Tow Yard

AETL Job Number	Submitted	Client
55966	02/18/2010	SCS

Method: 8260B, Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0222106A1; Dup or Spiked Sample: B0222106A1; LCS: Clean Water; QC Prepared: 02/22/2010; QC Analyzed: 02/23/2010;
Units: ug/L

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Benzene	0.00	50.0	46.3	92.6	50.0	47.1	94.2	1.71	75-125	<20
Chlorobenzene	0.00	50.0	46.5	93.0	50.0	47.0	94.0	1.07	75-125	<20
1,1-Dichloroethene	0.00	50.0	42.6	85.2	50.0	43.1	86.2	1.17	75-125	<20
Toluene (Methyl benzene)	0.00	50.0	43.6	87.2	50.0	44.0	88.0	<1	75-125	<20
Trichloroethene	0.00	50.0	51.0	102	50.0	51.0	102	<1	75-125	<20
Methyl-tert-butyl ether (MTBE)	0.00	50.0	53.0	106	50.0	52.0	104	1.90	75-125	<20
Surrogates										
Bromofluorobenzene	0.00	50.0	46.3	92.6	50.0	47.0	94.0	1.51	75-125	<20
Dibromofluoromethane	0.00	50.0	42.7	85.3	50.0	41.8	83.6	1.99	75-125	<20
Toluene-d8	0.00	50.0	45.5	90.9	50.0	44.5	89.0	2.09	75-125	<20

QC Batch No: 0222106A1; Dup or Spiked Sample: B0222106A1; LCS: Clean Water; QC Prepared: 02/22/2010; QC Analyzed: 02/23/2010;
Units: ug/L

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit						
Benzene	50.0	47.1	94.2	75-125						
Chlorobenzene	50.0	47.1	94.2	75-125						
1,1-Dichloroethene	50.0	44.2	88.4	75-125						
Toluene (Methyl benzene)	50.0	44.5	89.0	75-125						
Trichloroethene	50.0	50.5	101	75-125						
Methyl-tert-butyl ether (MTBE)	50.0	51.0	102	75-125						
Surrogates										
Bromofluorobenzene	50.0	47.8	95.5	75-125						
Dibromofluoromethane	50.0	43.4	86.8	75-125						
Toluene-d8	50.0	45.1	90.3	75-125						
LCS										
Chloroform (Trichloromethane)	50.0	50.7	101	75-125						
Ethylbenzene	50.0	46.0	92.0	75-125						
1,1,1-Trichloroethane	50.0	48.7	97.4	75-125						
o-Xylene	50.0	47.2	94.4	75-125						



American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Page: **8**

Project ID: 01209295.00
Project Name: Long Beach City Tow Yard

AETL Job Number	Submitted	Client
55966	02/18/2010	SCS

Method: 8260B, Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0222106A1; Dup or Spiked Sample: B0222106A1; LCS: Clean Water; QC Prepared: 02/22/2010; QC Analyzed: 02/23/2010;
Units: ug/L

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit						
m,p-Xylenes	100	90.7	90.7	75-125						



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QUALITY CONTROL RESULTS

Ordered By

SCS Engineers
3900 Kilroy Airport Way
Suite 100
Long Beach, CA 90806-6816

Site

Long Beach, CA

Telephone: (562)426-9544

Attn: Kevin Green

Page: 9

Project ID: 01209295.00

Project Name: Long Beach City Tow Yard

AETL Job Number	Submitted	Client
55966	02/18/2010	SCS

Method: M8015D, TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 021910; Dup or Spiked Sample: B021910; LCS: Clean Water; QC Prepared: 02/19/2010; QC Analyzed: 02/19/2010;
Units: mg/L

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
TPH as Diesel (C13-C22)	0.00	5.00	4.84	96.8	5.00	4.65	93.0	4.0	75-125	<20
Surrogates										
Chlorobenzene	0.00	2.00	1.75	87.5	2.00	1.83	91.5	4.5	60-125	<20

QC Batch No: 021910; Dup or Spiked Sample: B021910; LCS: Clean Water; QC Prepared: 02/19/2010; QC Analyzed: 02/19/2010;
Units: mg/L

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit						
TPH as Diesel (C13-C22)	5.00	5.20	104	75-125						
Surrogates										
Chlorobenzene	2.00	1.79	89.5	60-125						



American Environmental Testing Laboratory Inc.

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Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

SCS Engineers
3900 Kilroy Airport Way
Suite 100
Long Beach, CA 90806-6816

Site

Long Beach, CA

Telephone: (562)426-9544

Attn: Kevin Green

Page: 10

Project ID: 01209295.00

Project Name: Long Beach City Tow Yard

AETL Job Number	Submitted	Client
55966	02/18/2010	SCS

Method: M8015G, TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 022210NB4; Dup or Spiked Sample: B022210NB4; LCS: Clean Water; QC Prepared: 02/22/2010; QC Analyzed: 02/23/2010;
Units: mg/L

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
TPH as Gasoline and Light HC. (C4-C12)	0.00	0.500	0.500	99.8	0.500	0.510	103	3.16	75-125	<20
Surrogates										
Bromofluorobenzene	0.00	0.0500	0.0494	98.8	0.0500	0.0491	98.2	<1	75-125	<20

QC Batch No: 022210NB4; Dup or Spiked Sample: B022210NB4; LCS: Clean Water; QC Prepared: 02/22/2010; QC Analyzed: 02/23/2010;
Units: mg/L

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit						
TPH as Gasoline and Light HC. (C4-C12)	0.500	0.510	102	75-125						
Surrogates										
Bromofluorobenzene	0.0500	0.0511	102	75-125						



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Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

Data Qualifiers and Descriptors

Data Qualifier:

*:	In the QC section, sample results have been taken directly from the ICP reading. No preparation factor has been applied.
B:	Analyte was present in the Method Blank.
D:	Result is from a diluted analysis.
E:	Result is beyond calibration limits and is estimated.
H:	Analysis was performed over the allowed holding time due to circumstances which were beyond laboratory control.
J:	Analyte was detected . However, the analyte concentration is an estimated value, which is between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).
M:	Matrix spike recovery is outside control limits due to matrix interference. Laboratory Control Sample recovery was acceptable.
MCL:	Maximum Contaminant Level
NS:	No Standard Available
S6:	Surrogate recovery is outside control limits due to matrix interference.
S8:	The analysis of the sample required a dilution such that the surrogate concentration was diluted below the method acceptance criteria.
X:	Results represent LCS and LCSD data.

Definition:

%Limi:	Percent acceptable limits.
%REC:	Percent recovery.
Con.L:	Acceptable Control Limits
Conce:	Added concentration to the sample.
LCS:	Laboratory Control Sample
MDL:	Method Detection Limit is a statistically derived number which is specific for each instrument, each method, and each compound. It indicates a distinctively detectable quantity with 99% probability.



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Data Qualifiers and Descriptors

MS:	Matrix Spike
MS DU:	Matrix Spike Duplicate
ND:	Analyte was not detected in the sample at or above MDL.
PQL:	Practical Quantitation Limit or ML (Minimum Level as per RWQCB) is the minimum concentration that can be quantified with more than 99% confidence. Taking into account all aspects of the entire analytical instrumentation and practice.
Recov:	Recovered concentration in the sample.
RPD:	Relative Percent Difference

APPENDIX C

CERTIFIED DECLARATION FOR COMPLIANCE WITH FEE TITLE HOLDER NOTIFICATION REQUIREMENTS



California Regional Water Quality Control Board

Los Angeles Region



Linda S. Adams
Agency Secretary

Recipient of the 2001 *Environmental Leadership Award* from Keep California Beautiful

320 W. 4th Street, Suite 200, Los Angeles, California 90013
Phone (213) 576-6600 FAX (213) 576-6640 - Internet Address: <http://www.waterboards.ca.gov/losangeles>

Arnold Schwarzenegger
Governor

CERTIFICATION DECLARATION FOR COMPLIANCE WITH FEE TITLE HOLDER NOTIFICATION REQUIREMENTS (California Water Code Section 13307.1)

Please Print or Type

Fee Title Holder(s): City of Long Beach

Mailing Address: 2600 Temple Avenue, Long Beach, CA 90806

Contact Person: Leslie Horikawa-Thiede

Telephone Number / Fax Number: (562) 570-5401 / (562) 570-5414

Site Name: Long Beach City Tow Yard

Address: 901 Anaheim Street West, Long Beach, CA

Contact Person: Leslie Horikawa-Thiede

Telephone Number / Fax Number: (562) 570-5401 / (562) 570-5414

File Number: 908130498

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations." (See attached page for who shall sign the Certification Declaration).

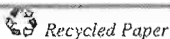
Michael P. Conway
Printed Name of Person Signing

[Signature]
Signature

Public Works Director
Official Title

4/8/10
Date Signed

California Environmental Protection Agency



Our mission is to preserve and enhance the quality of California's water resources for the benefit of present and future generations

APPROVED AS TO FORM
April 8, 2010
ROBERT E. SHANNON, City Attorney
BY [Signature]
GARY J. ANDERSON
DEPUTY CITY ATTORNEY

UST Site 43

(City of Long Beach, Public Works Yard)

1725 San Francisco Ave.

Long Beach CA 90813

**UNDERGROUND STORAGE TANK
REMOVAL REPORT**

July 1, 2008

Prepared by: Steven G. Aichele
Pacific Coast Tank
235 E. Broadway, #706
Long Beach CA 90802
562-491-0067

Underground Storage Tank (UST) Site Information

Site Address: 1725 San Francisco Ave.
Long Beach CA 90813

Site Owner: City of Long Beach
2600 Temple Ave.
Long Beach CA 90806

Site Description: This UST site stored and dispensed fuel for City vehicles. The system consisted of one 12,000-gallon, fiberglass-clad, double-walled steel UST used to store diesel; one 12,000-gallon, fiberglass-clad, double-walled steel UST used to store gasoline; double-walled fiberglass piping; and four fuel dispensers.

UST System was installed on: November 18, 1998

UST system removed on: July 1, 2008

UST system removed and disposed of by: Moine Bros.
521 East D Street
Wilmington CA 90744

UST System Preparation and Removal

The following steps were taken to prepare the UST system for removal:

1. All product was removed from the tanks and manifested as hazardous waste.
2. Tanks were rinsed with water and detergent. The rinse water was then removed and manifested as hazardous waste.
3. Tanks were inerted by adding 25 lbs per 1,000 gallons of tank capacity.
4. Tank interior O₂ level was measured at less than 5% and LEL was measured and determined to be 0%.

The following steps were taken to remove the UST system:

1. Tank tops and piping were exposed by excavating the area.
2. The excavation area was frequently monitored for LEL readings.
3. Tanks were certified (and marked as such) by a marine hygienist/industrial chemist to be clean and safe to transport.
4. Tanks and piping were removed from the excavation.
5. Soil sampling and analysis were conducted in accordance with CUPA direction and as described in the attached UNDERGROUND TANK REMOVAL AND SOIL SAMPLING REPORT. Note that water was encountered in the excavation, but no water samples were taken.
6. Site was backfilled and re-paved once approval was given by the CUPA.

Leymaster Environmental Consulting, LLC

5500 E. Atherton St.
Suite 210
Long Beach, CA 90815

Office: (562) 799-9866
Fax: (562) 799-1963

UNDERGROUND TANK REMOVAL AND SOIL SAMPLING REPORT

**City of Long Beach Public Works Maintenance Yard
1725 San Francisco Avenue
Long Beach, California 90813**

Long Beach Fire Department Project Number 530729

August 7, 2008

Introduction

This report describes the removal of two underground storage tanks (USTs), the associated piping, and four fuel dispensers from the City of Long Beach Public Works Department Maintenance Yard at 1725 San Francisco Avenue in Long Beach, California (Figure 1). The USTs were of double-walled steel, fiberglass-clad construction and were 12,000-gallons in volume. One UST was formerly used to store gasoline and the other was used to store diesel fuel. Locations of the USTs at the site are shown on Figure 2.

Hydrogeology

The site is located on the Coastal Plain of Los Angeles County, adjacent to the Los Angeles River and approximately 1½ miles north of the Pacific Ocean, at an elevation of approximately 10 feet. The shallow subsurface at the site is made up of moderate brown to olive gray silty sand. The depth to groundwater beneath the site, as observed in the UST excavation, is approximately 9 feet.

UST Removal

The soils covering the USTs were excavated using a backhoe on July 1, 2008. In compliance with Southern California Air Quality Management District (AQMD) Rule 1166 requirements, the AQMD was notified prior to beginning the UST excavation and volatile organic compound (VOC) concentrations in the air were monitored as the excavation progressed. Copies of the Rule 1166 notification and monitoring forms are included in Attachment A of this report.

After they were uncovered, the USTs were cut open, pressure-washed in-place, and certified clean by a Marine Chemist. The water used to wash the USTs was collected in a vacuum truck and disposed of at the DeMenno/Kerdoon facility in Compton, California. A copy of the Hazardous Waste Manifest under which the water was transported is included as Attachment B. A copy of the Marine Chemist certificate is included as Attachment C.

The USTs were removed from the site on July 2, 2008, under supervision of Inspector Tim Buzbee of the Long Beach Fire Department. The USTs were lifted from the excavation using a crane and were loaded directly onto a truck for transport to the Moine Bros. facility in Wilmington, California, where they were destroyed. A copy of the Certificate of Destruction is included in Attachment D.

After the USTs were removed, groundwater covered the bottom of the excavation to a depth of approximately two feet, and free-product diesel fuel was observed to be floating on the water in the southwest corner of the excavation. The diesel fuel had leaked into the pea-gravel backfill surrounding the USTs when one of the dispenser pans was removed during the excavation. Absorbent pads were used to skim the free product, and a vacuum truck was mobilized to the site to pump out the groundwater. Approximately 5,000 gallons of water were removed from the excavation.

Soil Sampling

Soil samples were collected from beneath either end of each former UST using a track-mounted excavator to retrieve native soils from depths of approximately 16 feet below grade. Soil samples were also collected from beneath the former dispensers using the excavator to retrieve soils from depths of approximately six feet below grade. Locations of the soil samples are shown on Figure 2. All the samples were collected in EPA Method 5035-approved 25-gram Encore® samplers, which were immediately labeled, placed in a plastic bag, and stored on ice until delivery later the same day to Cal Tech Environmental Laboratories in Paramount, California.

Chain-of-Custody procedures were followed throughout sample collection, transportation, and delivery to the laboratory. The samples were analyzed by EPA Method 8015M to determine concentrations and speciation of total petroleum hydrocarbons (TPH) in the gasoline (C₆-C₁₂) range, the diesel (C₁₃-C₂₄) range, and the heavy-oil (C₂₅-C₄₀) range and by EPA Method 8260B to determine concentrations of VOCs.

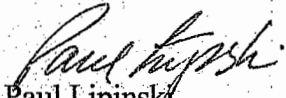
Analytical Results

A copy of the laboratory analytical report is contained in Attachment E. The results showed that no detectable concentrations of TPH or of VOCs were present in any of the samples.

Conclusion

Based on the lack of detectable concentrations of TPH or VOCs in the samples collected from beneath the USTs and fuel dispensers at the City of Long Beach Public Works Maintenance Yard at 1725 San Francisco Avenue in Long Beach, California, no further investigation at the site is recommended.

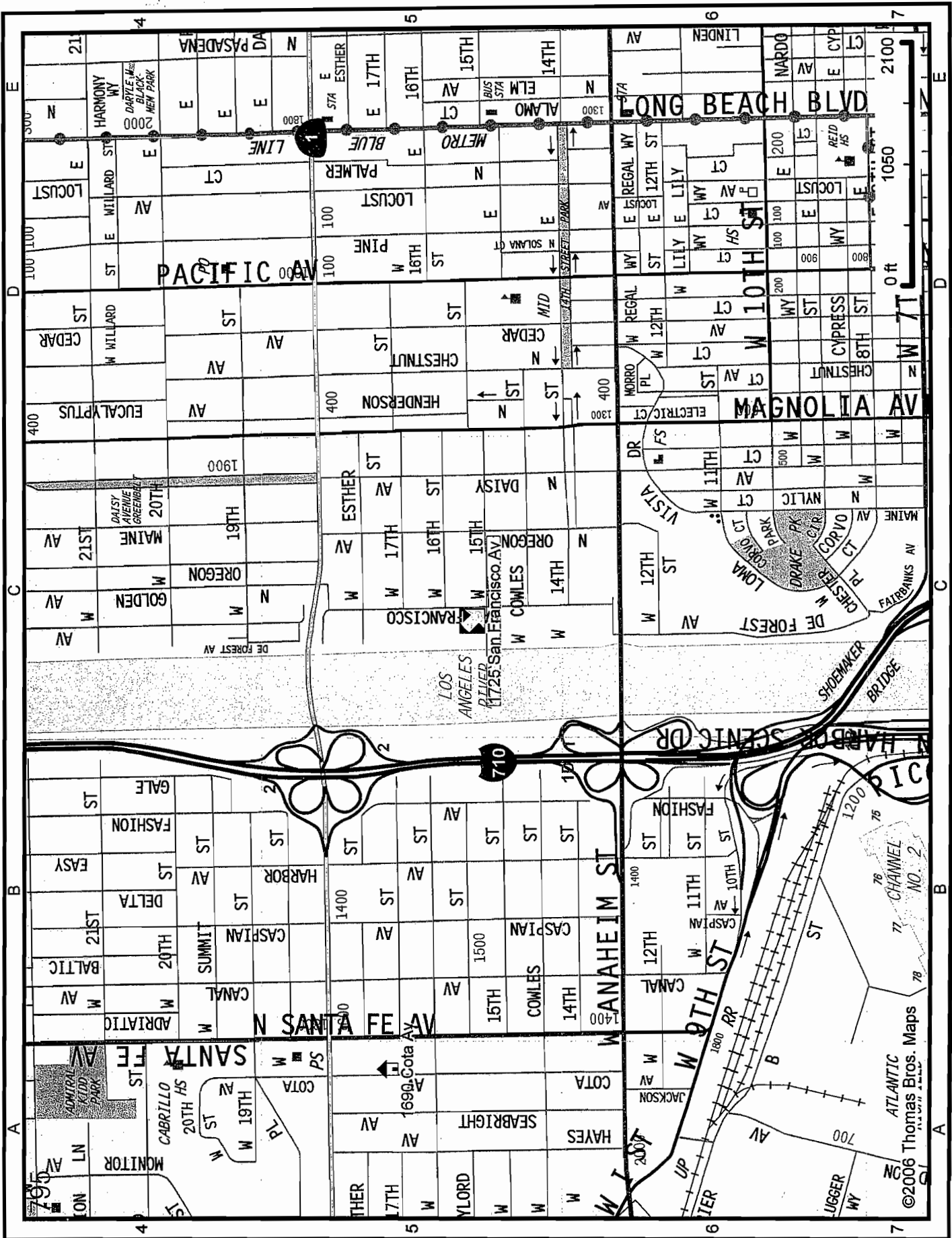
Report Prepared August 7, 2008,


Paul Lipinski

California Professional Geologist #3991

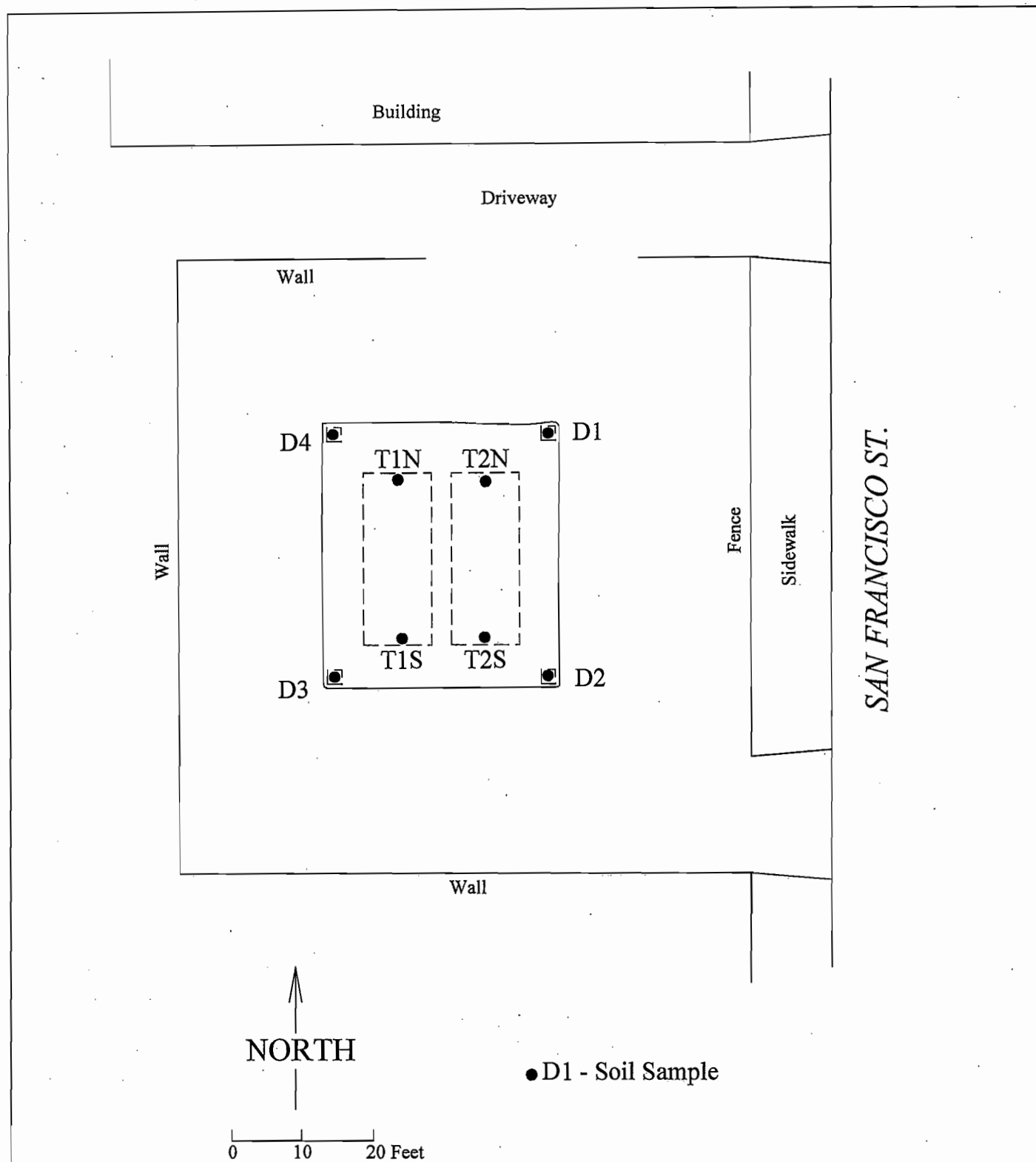


Figure 1
Site Location Map



1690 Cota Av: Long Beach, CA 90813, 795 - A5

1725 San Francisco Av: Long Beach, CA 90813, 795 - C5



Leymaster Environmental Consulting
 5500 E. Atherton, Suite 210
 Long Beach CA 90815
 (562) 799-9866

Figure 2
 Soil Sample Locations
 City of Long Beach
 Public Works Maintenance Yard
 1725 San Francisco St.,
 Long Beach, CA

ATTACHMENT A

Rule 1166 Monitoring Forms

06/27/2008 14:33

#164 P.001/001

From:



SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT **Rules 203, 1149 or R1166 NOTIFICATION FORM**

191757

Use this form to notify of known or suspect VOC storage tank Degassing and Excavation; Excavation, Handling and/or Monitoring of known or suspect VOC contaminated soil; Mitigation/Treating of VOC contaminated soil; and VOC Vapor Extraction. Any questions see the instructions on the back of this form or call the Hotline at (909) 396-2326. Fax this form to 909-396-3342 and within 48 hours mail the original and fee to:
 SCAQMD - R203/1149/1166 Notifications, File # 55641, Los Angeles, CA 90074-5641

This form will be faxed back to you with a REFERENCE number if you provide a FAXBACK # here: (562) 799-1963

AQMD USE ONLY		RECEIVED	BY	POSTMARK	REFERENCE
COMPLETED BY <u>PAUL LIPINSKI</u>		Company <u>LEC</u>		Phone # <u>(562) 799-9866</u>	
Date <u>6/27/08</u>	Check #	Amount \$		Project #	
NOTIFICATION TYPE	Original (Initial)		Revision (prior reference #)		Cancellation (prior reference #)
PROJECT TYPE (circle one only)	<u>¹R1166 Soil / Tank Excavation</u>	² R1149 Tank Degassing ***	² Soil Vapor Extraction**	² VOC Contaminated Soil Mitigation / Treating	¹ VOC Contaminated Soil Monitoring
¹ Plan Information is required for these projects, ² Permit information is required for these projects			³ For reporting VOC > 50 or 1000 ppm only		
¹ Mitigation Plan issued to: <u>LEC</u>		Plan # <u>473247</u>		³ Date & time of VOC exceedance	
² Permit issued to:		Permit #		³ Highest VOC reading in ppm	
PROJECT DATES & TIMES**		START <u>7/1/08</u>	END <u>7/31/08</u>	WORK SHIFT (day, swing, night)	
SITE CONTRACTOR INFORMATION		AQMD ID # <u>130156</u>	CSLB License #	Phone # <u>(562) 799-9866</u>	
Name <u>Leymaster Environmental Consulting</u>	Address <u>5500 E. Atherton #210</u>				
City <u>Long Beach</u>	Zip <u>90815</u>	Site supv name & phone # <u>PAUL LIPINSKI (562) 799-9866</u>			
SITE INFORMATION		Site Name <u>Public Works Yard</u>		Site AQMD ID # <u> </u>	
Site Address <u>1725 San Francisco Ave</u>		Cross Street <u>W. Cowles St.</u>			
Site City <u>Long Beach</u>		Zip <u>90813</u>	Site contact name & phone # <u>Steve Aichele (562) 234-0991</u>		
TANK INFORMATION	# OF TANKS	EACH	CAPACITY (gal)	MATERIAL STORED IN TANK	ABOVE GROUND? (Y/N)
	<u>2</u>	<u>⊗</u>	<u>12,000</u>	<u>Gasoline</u>	<u>N</u>
		<u>⊗</u>			
Example	3 tanks	<u>⊗</u>	10,000	Gasoline	no
EMERGENCY NOTIFICATIONS: Fax a copy of the Agency Order and give the reason, date, time, name and phone # of the person declaring the emergency.					
REASON:					
Date & time		Name/Title		Phone #	
INFORMATION CERTIFICATION I certify that the above information is complete and accurate					
Company Name <u>Leymaster Environmental</u>		Print Name <u>PAUL LIPINSKI</u>	Signature <u>Paul Lipinski</u>	Date <u>6-27-08</u>	
COMMENTS:					
Distance to nearest sensitive receptor in feet: * Include degassing project start & end times.					

Rule 1166 Soil Monitoring Records

Company Name Leymaster environmental Consulting.LLC 5500 East Atherton Street, Suite 210 Long Beach, CA 90815	Facility/Site Information <i>1725 SAN FRANCISCO AVE</i>
Reference No(s). <i>191257</i>	

Plan #: 447318 I.D.#: 130156

Monitor Information	Calibration Data	Monitoring Personnel	Excavation Summary (Upon completion of each page)	
Brand: <i>MINIRAE</i>	Gas: <i>HEXANE</i>	Name: <i>ROS DAMON</i>	Total Cubic Yds (This page)	
Model: <i>2000</i>	Date: <i>7/1/08</i>	Company: <i>L.E.C.</i>	Total Cubic Yds (To date)	
Type: <i>PID</i>	By: <i>ROS DAMON</i>	Phone: <i>562 799 9866</i>	Removed from Site (To date)	

Time	VOC Concentration (PPMV) @ Excavated Load			Comment	Time	VOC Concentration (PPMV)@ Excavated Load			Comment
	Every 15 min.	Reading	Hexane Factor			Every 15 min.	Reading	Hexane Factor	
<i>10:00</i>		<i>0.0</i>		<i>0.0</i>	<i>PEA GRAVEL</i>	<i>10:00</i>	<i>0.0</i>		<i>0.0</i>
<i>10:15</i>		<i>0.0</i>		<i>0.0</i>					
<i>10:30</i>		<i>0.0</i>		<i>0.0</i>					
<i>10:45</i>		<i>0.0</i>		<i>0.0</i>					
<i>11:00</i>		<i>0.0</i>		<i>0.0</i>					
<i>11:15</i>		<i>0.0</i>		<i>0.0</i>					
<i>12:00</i>		<i>0.0</i>		<i>0.0</i>					
<i>12:15</i>		<i>0.0</i>		<i>0.0</i>					
<i>12:30</i>		<i>0.0</i>		<i>0.0</i>					
<i>12:45</i>		<i>0.0</i>		<i>0.0</i>					
<i>13:00</i>		<i>0.0</i>		<i>0.0</i>					
<i>13:15</i>		<i>0.0</i>		<i>0.0</i>					

I certify that the information contained in the above document is true and correct. I further certify that the above listed hydrocarbon monitor was operated in a manner consistent with the manufacturer's specifications and the conditions specified within this plan. In addition, I certify that the above readings represent the actual measurements I observed and recorded during the excavation process.

SIGNATURE: *ROS DAMON*

DATE: *7/1/08*

ATTACHMENT B

Waste Manifest

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number CAC002629172	2. Page 1 of 1	3. Emergency Response Phone 562 570-5457	4. Manifest Tracking Number 000274765 JJK	
5. Generator's Name and Mailing Address CITY OF LONG BEACH PUBLIC WORKS 2600 TEMPLE AVE. LONG BEACH, CA 90806			Generator's Site Address (if different than mailing address) LONG BEACH CITY YARD 1725 SAN FRANCISCO AVE. LONG BEACH, CA 90813			
6. Transporter 1 Company Name ADAMS SERVICES, INC.			U.S. EPA ID Number CAR000169431			
7. Transporter 2 Company Name			U.S. EPA ID Number			
8. Designated Facility Name and Site Address DEMENBO/KERDOVIN 2000 N. ALAMEDA STREET DUMPTON, CA 90222			U.S. EPA ID Number CAT000013352			
Facility's Phone: 310 537-7300						
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.
			No.	Type		
		1. NON-RCRA HAZARDOUS WASTE LIQUID (OIL & WATER)	1	TT	600	G
		2.				
		3.				
		4.				
13. Waste Codes						
						241
14. Special Handling Instructions and Additional Information 100% WATER, 1% OIL AVOID EYE CONTACT - WEAR RUBBER GLOVES CONTRACTOR: MOINE BRCS						
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.						
Generator's/Officer's Printed/Typed Name John P. ...			Signature <i>[Signature]</i>		Month 7	Day 1
				Year 08		
INT'L	16. International Shipments: ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: _____					
	Transporter signature (for exports only): _____ Date leaving U.S.: _____					
TRANSPORTER	17. Transporter Acknowledgment of Receipt of Materials					
	Transporter 1 Printed/Typed Name AL CASTELLON			Signature <i>[Signature]</i>		Month 7
					Day 1	
					Year 08	
DESIGNATED FACILITY	18. Discrepancy					
	18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection					
	Manifest Reference Number: _____					
	18b. Alternate Facility (or Generator) U.S. EPA ID Number					
	Facility's Phone: _____					
18c. Signature of Alternate Facility (or Generator) Month Day Year						
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)						
1.		2.		3.		4.
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a						
Printed/Typed Name ALVA BOR			Signature <i>[Signature]</i>		Month 7	Day 1
					Year 08	

ATTACHMENT C

Marine Chemist Certificate

HARBOR TESTING LABORATORY INC.
24 HOUR PHONE: (562) 492-9646

MARINE CHEMIST CERTIFICATE

Serial # 0393

Survey Requested By: MOINE Bro's. City of Long Beach Pub. Works Date: 01 JULY 2008
TANKS No's. 0393-A; B Vessel Owner or Agent: 1725 SAN FRANCISCO AVE.
DOUBLE-WALL STEEL + FIBERGLASS UNDERGROUND LONG BEACH CA
Vessel: GASOLINE (A); DIESEL (B) Type of Vessel: O₂, LEL, VISUAL, TOXICITY Specific Location of Vessel: 1906
Last Cargo: Tests Performed: Time Survey Completed:

TANKS
No. 0393-A
No. 0393-B
(MARKED WITH ORANGE)
{ SPRAY-PAINT }

20.8% O₂, 0% LEL
NO DETECTABLE H₂S (1 ppm)
< 75 ppm HYDROCARBON VAPOR (AS ISOBUTYLENE)
NOT SAFE FOR WORKERS
NOT SAFE FOR HOT-WORK
TANKS HAVE BEEN DISCONNECTED, OPENED,
WASHED, VENTILATED AND ARE
SAFE TO COLD-CUT

B.W. TECH. MOD MSPID, S.N. SK 107-001003 CALIBRATED 01 JUL '08

In the event of any physical or atmospheric changes affecting the STANDARD SAFETY DESIGNATIONS assigned to any of the above spaces this certificate is voided; or if there is any question about the conditions, immediately stop all work and contact the undersigned Marine Chemist.

QUALIFICATIONS: Transfer of ballast, cargo, fuel, or manipulation of valves or closure equipment tending to alter conditions in pipelines, tanks, or compartments subject to gas accumulation, unless specifically approved on this Certificate, requires inspection and a new Certificate for spaces so affected. All lines, vents, heating coils, valves, and similar enclosed appurtenances shall be considered "not safe" unless otherwise specifically designated. Movement of the vessel from its specific location voids the Certificate unless shifting of the vessel within the facility has been specifically authorized on this Certificate.

STANDARD SAFETY DESIGNATIONS: (partial list, paraphrased from NFPA 306, Subsections 4.3.1 through 4.3.6).

ATMOSPHERE SAFE FOR WORKERS: In the compartment or space so designated (a) the oxygen content of the atmosphere is at least 19.5 percent and not greater than 22 percent by volume; (b) the concentration of flammable materials is below 10 percent of the lower explosive limit; (c) any toxic materials in the atmosphere associated with cargo, fuel, tank coatings, inerting mediums, or fumigants are within permissible concentrations at the time of the inspection.

NOT SAFE FOR WORKERS: In the compartment or space so designated, entry is not permitted.

ENTER WITH RESTRICTIONS: In the compartment or space so designated, entry for work is permitted only if conditions of proper protective equipment, or clothing, or time, or all of the aforementioned, as appropriate, are as specified.

SAFE FOR HOT WORK: In the compartment or space so designated (a) the oxygen content of the atmosphere is not greater than 22 percent by volume; (b) the concentration of flammable materials in the atmosphere is less than 10 percent of the lower explosive limit; (c) the residues, scale, or preservative coatings are cleaned sufficiently to prevent the spread of fire and are not capable of producing a higher concentration than permitted by (a) or (b); (d) all adjacent spaces, containing or having contained flammable or combustible materials shall be sufficiently cleaned of residues, scale, or preservative coatings to prevent the spread of fire, or they are inerted. Ship's fuel tanks, lube tanks, or engine room or fire room bilges, or other machinery spaces, are treated in accordance with the Marine Chemist's requirements.

SAFE FOR LIMITED HOT WORK: In the compartment or space so designated (a) portions of the space meet the requirements for Safe for Hot Work and Partial Cleaning, as applicable, or (b) the space is inerted, adjacent spaces meet the requirements for Safe for Hot Work, and hot work is restricted to specific locations; (c) portions of the space shall meet the requirements for Safe for Hot Work, as applicable, and the nature or type of hot work is limited or restricted.

NOT SAFE FOR HOT WORK: In the compartment or space so designated, hot work is not permitted.

CHEMISTS ENDORSEMENT. This is to certify that I have personally determined that all spaces in the foregoing list are in accordance with NFPA 306 Control of Gas Hazards on Vessels and have found the condition of each to be in accordance with its assigned designation.

The undersigned acknowledges receipt of this Certificate under NFPA 306 and understands conditions and limitations under which it was issued, and the requirements for maintaining its validity.

This Certificate is based on conditions existing at the time the inspection herein set forth was completed and is issued subject to compliance with all qualifications and instructions.

Signed: [Signature] Name

Company

Moine Bros. 01 JUL '08 Date

Signed: [Signature] Marine Chemist Certificate No. #675

ATTACHMENT D

Certificate of Destruction



MOINE BROS.

CONTRACTORS LIC. NO. 343468

CERTIFICATE OF DESTRUCTION

On this 2ND day of JULY (month), 20 08, empty tanks/
containers (as described below) were accepted by Moine Bros. and were cut/sheared
or otherwise processed for scrapping in a safe and legal manner according to
standard practices.

<u>Item</u>	<u>Size</u>	<u>Description</u>	<u>Source</u>
1	<u>12,000-GAL.</u>	<u>DOUBLE-WALL STEEL TANK</u>	<u>1725 SAN FRANCISCO AV., LONG BEACH</u>
2	<u>12,000-GAL.</u>	<u>"</u>	<u>"</u>
3	<u> </u>	<u> </u>	<u> </u>
4	<u> </u>	<u> </u>	<u> </u>
5	<u> </u>	<u> </u>	<u> </u>
6	<u> </u>	<u> </u>	<u> </u>
7	<u> </u>	<u> </u>	<u> </u>
8	<u> </u>	<u> </u>	<u> </u>
9	<u> </u>	<u> </u>	<u> </u>
10	<u> </u>	<u> </u>	<u> </u>

Moine Bros.

7/2/08

Date

ATTACHMENT E

Analytical Results

CAL TECH Environmental Laboratories



6814 Rosecrans Avenue, Paramount, CA 90723-3146
Telephone: (562) 272-2700 Fax: (562) 272-2789

ANALYTICAL RESULTS*

Client Project No: CT185-0807029
Client Name: Moine Bros.
521 East "D" Street
Wilmington, CA 90744
Attention: Mr. Virgil Cicoria

Phone: (310) 830-1570
Fax: (310) 830-1892

Project ID:
Project Name: 1725 San Francisco

Date Sampled: 07/02/08 @ 10:00 am
Date Received: 07/02/08 @ 14:30 p.m.
Date Analyzed: 07/04/08 - 07/05/08

Matrix: Soil

Laboratory ID:	0807-029-1	0807-029-2	0807-029-3	Method	Units:	Detection Limit
Client Sample ID:	D1	D2	D3			
Dilution	1	1	1			
Dichlorodifluoromethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Chloromethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Vinyl Chloride	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Bromomethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Chloroethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Trichlorofluoromethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Iodomethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Acetone	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,1-Dichloroethene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
t-Butyl Alcohol (TBA)	ND	ND	ND	EPA 8260B	mg/Kg	0.020
Methylene Chloride	ND	ND	ND	EPA 8260B	mg/Kg	0.02
Freon 113	ND	ND	ND	EPA 8260B	mg/Kg	0.01
Carbon disulfide	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Trans,1,2-Dichloroethene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Methyl tert-butyl ether (MTBE)	ND	ND	ND	EPA 8260B	mg/Kg	0.002
1,1-Dichloroethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Vinyl acetate	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Diisopropyl Ether (DIPE)	ND	ND	ND	EPA 8260B	mg/Kg	0.002
Methyl Ethyl Ketone	ND	ND	ND	EPA 8260B	mg/Kg	0.01
Cis,1,2-Dichloroethene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Bromochloromethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Chloroform	ND	ND	ND	EPA 8260B	mg/Kg	0.005
2,2-Dichloropropane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Ethyl-t-butyl ether (ETBE)	ND	ND	ND	EPA 8260B	mg/Kg	0.002
1,1,1-Trichloroethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,2-Dichloroethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,1-Dichloropropene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Carbon Tetrachloride	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Benzene	ND	ND	ND	EPA 8260B	mg/Kg	0.001
t-Amyl Methyl Ether (TAME)	ND	ND	ND	EPA 8260B	mg/Kg	0.002
1,2-Dichloropropane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Trichloroethene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Dibromomethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Bromodichloromethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
2-Chloroethylvinylether	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Cis, 1,3-Dichloropropene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
4-Methyl-2-pentanone (MIP)	ND	ND	ND	EPA 8260B	mg/Kg	0.01
Trans, 1,3-Dichloropropene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Toluene	ND	ND	ND	EPA 8260B	mg/Kg	0.001
1,1,2-Trichloroethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005

CTEL Project No: CT185-0807029

Project ID:
Project Name: 1725 San Francisco

Laboratory ID: Client Sample ID:	0807-029-1 D1	0807-029-2 D2	0807-029-3 D3	Method	Units	Detection Limit
1,2-Dibromoethane(EDB)	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,3-Dichloropropane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Dibromochloromethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
2-Hexanone	ND	ND	ND	EPA 8260B	mg/Kg	0.01
Tetrachloroethene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Chlorobenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,1,1,2-Tetrachloroethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Ethylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.001
m,p-Xylene	ND	ND	ND	EPA 8260B	mg/Kg	0.001
Bromoform	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Styrene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
o-Xylene	ND	ND	ND	EPA 8260B	mg/Kg	0.001
1,1,2,2-Tetrachloroethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,2,3-Trichloropropane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Isopropylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Bromobenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
2-Chlorotoluene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
n-Propylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
4-Chlorotoluene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,3,5-Trimethylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Tert-Butylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,2,4-Trimethylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Sec-Butylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,3-Dichlorobenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,4-Dichlorobenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
p-Isopropyltoluene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,2-Dichlorobenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
n-Butylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,2-Dibromo-3-Chloropropane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,2,4-Trichlorobenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Naphthalene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,2,3-Trichlorobenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Hexachlorobutadiene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Ethanol	ND	ND	ND	EPA 8260B	mg/Kg	0.1
Carbon Chain (C5~C12)	ND	ND	ND	LUFT	mg/Kg	0.1
Carbon Chain (C13~C24)	ND	ND	ND	LUFT	mg/Kg	1
Carbon Chain (C25~C40)	ND	ND	ND	LUFT	mg/Kg	5

ND = Not Detected at the indicated Detection Limit

SURROGATE SPIKE	% SURROGATE RECOVERY			Control Limit
Dibromofluoromethane	84	82	107	70-130
1,2-Dichloromethane d4	89	88	95	70-130
Toluene-d8	109	102	88	70-130
Bromofluorobenzene	77	97	89	70-130

CELL Project No. CT185-0807029
Client Name: Moine Bros.
 521 East "D" Street
 Wilmington, CA 90744
Attention: Mr. Virgil Cicoria

Phone: (310) 830-1570
Fax: (310) 830-1892

Project ID:
Project Name: 1725 San Francisco

Date Sampled: 07/02/08 @ 10:00 am
Date Received: 07/02/08 @ 14:30 p.m.
Date Analyzed: 07/04/08 - 07/05/08

Matrix: Soil

Lab Sample ID	0807-029-4	0807-029-5	0807-029-6	Method	Units:	Detection Limit
Client Sample ID	D4	T1N	T1S			
Dilution	1	1	1			
Dichlorodifluoromethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Chloromethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Vinyl Chloride	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Bromomethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Chloroethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Trichlorofluoromethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Iodomethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Acetone	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,1-Dichloroethene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
t-Butyl Alcohol (TBA)	ND	ND	ND	EPA 8260B	mg/Kg	0.020
Methylene Chloride	ND	ND	ND	EPA 8260B	mg/Kg	0.02
Freon 113	ND	ND	ND	EPA 8260B	mg/Kg	0.01
Carbon disulfide	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Trans,1,2-Dichloroethene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Methyl tert-butyl-ether (MtBE)	ND	ND	ND	EPA 8260B	mg/Kg	0.002
1,1-Dichloroethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Vinyl acetate	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Diisopropyl Ether (DIPE)	ND	ND	ND	EPA 8260B	mg/Kg	0.002
Methyl Ethyl Ketone	ND	ND	ND	EPA 8260B	mg/Kg	0.01
Cis,1,2-Dichloroethene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Bromochloromethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Chloroform	ND	ND	ND	EPA 8260B	mg/Kg	0.005
2,2-Dichloropropane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Ethyl-t-butyl ether (ETBE)	ND	ND	ND	EPA 8260B	mg/Kg	0.002
1,1,1-Trichloroethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,2-Dichloroethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,1-Dichloropropene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Carbon Tetrachloride	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Benzene	ND	ND	ND	EPA 8260B	mg/Kg	0.001
t-Amyl Methyl Ether (TAME)	ND	ND	ND	EPA 8260B	mg/Kg	0.002
1,2-Dichloropropane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Trichloroethene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Dibromomethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Bromodichloromethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
2-Chloroethyl vinyl ether	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Cis, 1,3-Dichloropropene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
4-Methyl-2-pentanone (Ml)	ND	ND	ND	EPA 8260B	mg/Kg	0.01
Trans,1,3-Dichloropropene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Toluene	ND	ND	ND	EPA 8260B	mg/Kg	0.001
1,1,2-Trichloroethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005

CTEL Project No. CT185-0807029

Project ID:
Project Name: 1725 San Francisco

Laboratory ID: Client Sample ID	0807-029-4 D4	0807-029-5 T1N	0807-029-6 T1S	Method	Units	Detection Limit
1,2-Dibromoethane(EDB)	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,3-Dichloropropane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Dibromochloromethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
2-Hexanone	ND	ND	ND	EPA 8260B	mg/Kg	0.01
Tetrachloroethene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Chlorobenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,1,1,2-Tetrachloroethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Ethylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.001
m,p-Xylene	ND	ND	ND	EPA 8260B	mg/Kg	0.001
Bromoform	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Styrene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
o-Xylene	ND	ND	ND	EPA 8260B	mg/Kg	0.001
1,1,1,2,2-Tetrachloroethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,2,3-Trichloropropane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Isopropylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Bromobenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
2-Chlorotoluene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
n-Propylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
4-Chlorotoluene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,3,5-Trimethylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Tert-Butylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,2,4-Trimethylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Sec-Butylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,3-Dichlorobenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,4-Dichlorobenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
p-Isopropyltoluene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,2-Dichlorobenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
n-Butylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,2-Dibromo-3-Chloropropane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,2,4-Trichlorobenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Naphthalene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,2,3-Trichlorobenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Hexachlorobutadiene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Ethanol	ND	ND	ND	EPA 8260B	mg/Kg	0.1
Carbon Chain (C5~C12)	ND	ND	ND	LUFT	mg/Kg	0.1
Carbon Chain (C13~C24)	ND	ND	ND	LUFT	mg/Kg	1
Carbon Chain (C25~C40)	ND	ND	ND	LUFT	mg/Kg	5

ND = Not Detected at the indicated Detection Limit

SURROGATE SPIKE	% SURROGATE RECOVERY			Control Limit
Dibromofluoromethane	101	101	111	70-130
1,2-Dichloromethane-d4	88	89	83	70-130
Toluene-d8	90	90	87	70-130
Bromofluorobenzene	94	92	93	70-130

Client Name: CT185-0807029
 Moine Bros.
 521 East "D" Street
 Wilmington, CA 90744
Attention: Mr. Virgil Cicoria

Phone: (310) 830-1570
Fax: (310) 830-1892

Project Name: 1725 San Francisco

Date Sampled: 07/02/08 @ 10:00 am
Date Received: 07/02/08 @ 14:30 p.m.
Date Analyzed: 07/04/08 - 07/05/08

Matrix: Soil

Laboratory ID Client Sample ID	0807-029-7	0807-029-8	Method	Units:	Detection Limit
	T2N	T2S			
Dilution	1	1			
Dichlorodifluoromethane	ND	ND	EPA 8260B	mg/Kg	0.005
Chloromethane	ND	ND	EPA 8260B	mg/Kg	0.005
Vinyl Chloride	ND	ND	EPA 8260B	mg/Kg	0.005
Bromomethane	ND	ND	EPA 8260B	mg/Kg	0.005
Chloroethane	ND	ND	EPA 8260B	mg/Kg	0.005
Trichlorofluoromethane	ND	ND	EPA 8260B	mg/Kg	0.005
Iodomethane	ND	ND	EPA 8260B	mg/Kg	0.005
Acetone	ND	ND	EPA 8260B	mg/Kg	0.005
1,1-Dichloroethene	ND	ND	EPA 8260B	mg/Kg	0.005
t-Butyl Alcohol (TBA)	ND	ND	EPA 8260B	mg/Kg	0.020
Methylene Chloride	ND	ND	EPA 8260B	mg/Kg	0.02
Freon 113	ND	ND	EPA 8260B	mg/Kg	0.01
Carbon disulfide	ND	ND	EPA 8260B	mg/Kg	0.005
Trans,1,2-Dichloroethene	ND	ND	EPA 8260B	mg/Kg	0.005
Methyl-tert-butyl-ether (MtBE)	ND	ND	EPA 8260B	mg/Kg	0.002
1,1-Dichloroethane	ND	ND	EPA 8260B	mg/Kg	0.005
Vinyl acetate	ND	ND	EPA 8260B	mg/Kg	0.005
Diisopropyl Ether (DIPE)	ND	ND	EPA 8260B	mg/Kg	0.002
Methyl Ethyl Ketone	ND	ND	EPA 8260B	mg/Kg	0.01
Cis,1,2-Dichloroethene	ND	ND	EPA 8260B	mg/Kg	0.005
Bromochloromethane	ND	ND	EPA 8260B	mg/Kg	0.005
Chloroform	ND	ND	EPA 8260B	mg/Kg	0.005
2,2-Dichloropropane	ND	ND	EPA 8260B	mg/Kg	0.005
Ethyl-t-butyl ether (ETBE)	ND	ND	EPA 8260B	mg/Kg	0.002
1,1,1-Trichloroethane	ND	ND	EPA 8260B	mg/Kg	0.005
1,2-Dichloroethane	ND	ND	EPA 8260B	mg/Kg	0.005
1,1-Dichloropropene	ND	ND	EPA 8260B	mg/Kg	0.005
Carbon Tetrachloride	ND	ND	EPA 8260B	mg/Kg	0.005
Benzene	ND	ND	EPA 8260B	mg/Kg	0.001
t-Amyl Methyl Ether (TAME)	ND	ND	EPA 8260B	mg/Kg	0.002
1,2-Dichloropropane	ND	ND	EPA 8260B	mg/Kg	0.005
Trichloroethene	ND	ND	EPA 8260B	mg/Kg	0.005
Dibromomethane	ND	ND	EPA 8260B	mg/Kg	0.005
Bromodichloromethane	ND	ND	EPA 8260B	mg/Kg	0.005
2-Chloroethylvinylether	ND	ND	EPA 8260B	mg/Kg	0.005
Cis, 1,3-Dichloropropene	ND	ND	EPA 8260B	mg/Kg	0.005
4-Methyl-2-pentanone (M1)	ND	ND	EPA 8260B	mg/Kg	0.01
Trans,1,3-Dichloropropene	ND	ND	EPA 8260B	mg/Kg	0.005
Toluene	ND	ND	EPA 8260B	mg/Kg	0.001
1,1,2-Trichloroethane	ND	ND	EPA 8260B	mg/Kg	0.005

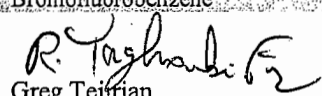
CEL Project No: CT185-0807029

Project ID:
Project Name: 1725 San Francisco

Laboratory ID: Client Sample ID:	0807-029-7 T2N	0807-029-8 T2S	Method	Units	Detection Limit
1,2-Dibromoethane(EDB)	ND	ND	EPA 8260B	mg/Kg	0.005
1,3-Dichloropropane	ND	ND	EPA 8260B	mg/Kg	0.005
Dibromochloromethane	ND	ND	EPA 8260B	mg/Kg	0.005
2-Hexanone	ND	ND	EPA 8260B	mg/Kg	0.01
Tetrachloroethene	ND	ND	EPA 8260B	mg/Kg	0.005
Chlorobenzene	ND	ND	EPA 8260B	mg/Kg	0.005
1,1,1,2-Tetrachloroethane	ND	ND	EPA 8260B	mg/Kg	0.005
Ethylbenzene	ND	ND	EPA 8260B	mg/Kg	0.001
m,p-Xylene	ND	ND	EPA 8260B	mg/Kg	0.001
Bromoform	ND	ND	EPA 8260B	mg/Kg	0.005
Styrene	ND	ND	EPA 8260B	mg/Kg	0.005
o-Xylene	ND	ND	EPA 8260B	mg/Kg	0.001
1,1,2,2-Tetrachloroethane	ND	ND	EPA 8260B	mg/Kg	0.005
1,2,3-Trichloropropane	ND	ND	EPA 8260B	mg/Kg	0.005
Isopropylbenzene	ND	ND	EPA 8260B	mg/Kg	0.005
Bromobenzene	ND	ND	EPA 8260B	mg/Kg	0.005
2-Chlorotoluene	ND	ND	EPA 8260B	mg/Kg	0.005
n-Propylbenzene	ND	ND	EPA 8260B	mg/Kg	0.005
4-Chlorotoluene	ND	ND	EPA 8260B	mg/Kg	0.005
1,3,5-Trimethylbenzene	ND	ND	EPA 8260B	mg/Kg	0.005
Tert-Butylbenzene	ND	ND	EPA 8260B	mg/Kg	0.005
1,2,4-Trimethylbenzene	ND	ND	EPA 8260B	mg/Kg	0.005
Sec-Butylbenzene	ND	ND	EPA 8260B	mg/Kg	0.005
1,3-Dichlorobenzene	ND	ND	EPA 8260B	mg/Kg	0.005
1,4-Dichlorobenzene	ND	ND	EPA 8260B	mg/Kg	0.005
p-Isopropyltoluene	ND	ND	EPA 8260B	mg/Kg	0.005
1,2-Dichlorobenzene	ND	ND	EPA 8260B	mg/Kg	0.005
n-Butylbenzene	ND	ND	EPA 8260B	mg/Kg	0.005
1,2-Dibromo-3-Chloropropane	ND	ND	EPA 8260B	mg/Kg	0.005
1,2,4-Trichlorobenzene	ND	ND	EPA 8260B	mg/Kg	0.005
Naphthalene	ND	ND	EPA 8260B	mg/Kg	0.005
1,2,3-Trichlorobenzene	ND	ND	EPA 8260B	mg/Kg	0.005
Hexachlorobutadiene	ND	ND	EPA 8260B	mg/Kg	0.005
Ethanol	ND	ND	EPA 8260B	mg/Kg	0.1
Carbon Chain (C5~C12)	ND	ND	LUFT	mg/Kg	0.1
Carbon Chain (C13~C24)	ND	ND	LUFT	mg/Kg	1
Carbon Chain (C25~C40)	ND	ND	LUFT	mg/Kg	5

ND = Not Detected at the indicated Detection Limit

SURROGATE SPIKE	% SURROGATE RECOVERY		Control Limit
Dibromofluoromethane	117	117	70-130
1,2-Dichloromethane d4	88	86	70-130
Toluene-d8	82	83	70-130
Bromofluorobenzene	86	97	70-130


Greg Tejirian
Laboratory Director

*The results are base upon the sample received.

Cal Tech Environmental Laboratories, Inc. ELAP ID #: 2424

CAL TECH Environmental Laboratories



6814 Rosecrans Avenue, Paramount, CA 90723-3146
Telephone: (562) 272-2700 Fax: (562) 272-2789

Lab Job No. 07-029

Page 1 of 1

Chain of Custody Record

Client: Moine Bros

Contact: VIRGIL

Address: _____

Project: 1725 San Francisco

Sampled By: Paul Tysinski
Name/Signature

Phone: (310) 830-1570

Fax: 830-1892

Turn Around Time

Rush _____

Normal

Analyses Requested

Lab ID Number	Field ID	Date/Time Sampled	Bottle Type	No.	Preserv.	Matrix	Analyses Requested										Comments
	D1	7-2-08	5035	1	Chilled	soil	X	X									
	D2			1			X	X									
	D3			1			X	X									
	D4			1			X	X									
	T1N			1			X	X									
	T1S			1			X	X									
	T2N			1			X	X									
	T2S			1			X	X									

Relinquished: Paul Tysinski

Dispatched: _____

I hereby authorize the performance of the above indicated tests.

Paul Tysinski

Date / Time: _____

Received: _____

Date / Time: _____

Carrier: _____

Date / Time: 7-2-08 / 2:10pm

Received by lab: R. Tysinski

Custody seal(s) in tact upon receipt by lab?

YES

NO

NON

C:\ELCCR.DOC

TOTAL P.07

P.07/07

PAGE 08/08

JUL-10-2008 13:30

MOINE BROS

3108301892

APPENDIX E
EDR DATABASE REPORT

San Francisco Ave/W Anaheim St

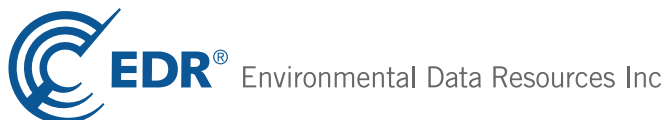
929 W Anaheim St

Long Beach, CA 90813

Inquiry Number: 02881976.2r

September 29, 2010

The EDR Radius Map™ Report with GeoCheck®



440 Wheelers Farms Road
Milford, CT 06461
Toll Free: 800.352.0050
www.edrnet.com

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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

929 W ANAHEIM ST
LONG BEACH, CA 90813

COORDINATES

Latitude (North): 33.785900 - 33° 47' 9.2"
Longitude (West): 118.203700 - 118° 12' 13.3"
Universal Transverse Mercator: Zone 11
UTM X (Meters): 388557.2
UTM Y (Meters): 3738874.8
Elevation: 13 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 33118-G2 LONG BEACH, CA
Most Recent Revision: 1964

AERIAL PHOTOGRAPHY IN THIS REPORT

Photo Year: 2005
Source: USDA

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 8 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
CITY OF L.B. PUBLIC SVC YD (2 D/W 1725 SAN FRANCISCO AVE LONG BEACH, CA	UST	N/A
CITY OF LONG BEACH 0929 W ANAHEIM ST LONG BEACH, CA	UST	N/A
VEHICLE TOW YARD 901 ANAHEIM LONG BEACH, CA	HIST CORTESE	N/A
LONG BEACH CITY, PUB SERV DEPT 1601 SAN FRANCISCO AVENUE LONG BEACH, CA 90813	RCRA-SQG FINDS	CAD981632235

EXECUTIVE SUMMARY

LONG BEACH TESTING LAB CITY OF 1475 SAN FRANCISCO AVE LONG BEACH, CA 90813	RCRA-SQG FINDS	CAD981972201
LONG BEACH CITY TOW YARD 901 ANAHEIM ST W LONG BEACH, CA 90813	LUST Status: Open - Verification Monitoring	N/A
CITY OF LONG BEACH TOWING OPERATI 901 W ANAHEIM LONG BEACH, CA 90813	CDL HAZNET	N/A
CITY LONG BEACH PUBLIC WORKS 1601 SAN FRANCISCO AVE LONG BEACH, CA 90813	SWF/LF HAZNET EMI	N/A
PUBLIC SERVICE YARD 1725 SAN FRANCISCO AVE LONG BEACH, CA 90813	HIST CORTESE LUST Status: Open - Site Assessment HAZNET	N/A
CITY LONG BEACH PUBLIC WORKS 1601 SAN FRANCISCO LONG BEACH, CA 90813	HAZNET	N/A

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL..... National Priority List
Proposed NPL..... Proposed National Priority List Sites
NPL LIENS..... Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL..... National Priority List Deletions

Federal CERCLIS list

CERCLIS..... Comprehensive Environmental Response, Compensation, and Liability Information System

EXECUTIVE SUMMARY

FEDERAL FACILITY..... Federal Facility Site Information listing

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF..... RCRA - Treatment, Storage and Disposal

Federal RCRA generators list

RCRA-CESQG..... RCRA - Conditionally Exempt Small Quantity Generator

Federal institutional controls / engineering controls registries

US ENG CONTROLS..... Engineering Controls Sites List

US INST CONTROL..... Sites with Institutional Controls

Federal ERNS list

ERNS..... Emergency Response Notification System

State- and tribal - equivalent NPL

RESPONSE..... State Response Sites

State and tribal leaking storage tank lists

INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

INDIAN UST..... Underground Storage Tanks on Indian Land

FEMA UST..... Underground Storage Tank Listing

State and tribal voluntary cleanup sites

INDIAN VCP..... Voluntary Cleanup Priority Listing

VCP..... Voluntary Cleanup Program Properties

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations

ODI..... Open Dump Inventory

WMUDS/SWAT..... Waste Management Unit Database

SWRCY..... Recycler Database

HAULERS..... Registered Waste Tire Haulers Listing

Local Lists of Hazardous waste / Contaminated Sites

US CDL..... Clandestine Drug Labs

EXECUTIVE SUMMARY

HIST Cal-Sites.....	Historical Calsites Database
SCH.....	School Property Evaluation Program
Toxic Pits.....	Toxic Pits Cleanup Act Sites
AOCONCERN.....	San Gabriel Valley Areas of Concern
US HIST CDL.....	National Clandestine Laboratory Register

Local Land Records

LIENS 2.....	CERCLA Lien Information
LUCIS.....	Land Use Control Information System
LIENS.....	Environmental Liens Listing
DEED.....	Deed Restriction Listing

Records of Emergency Release Reports

HMIRS.....	Hazardous Materials Information Reporting System
CHMIRS.....	California Hazardous Material Incident Report System
LDS.....	Land Disposal Sites Listing
MCS.....	Military Cleanup Sites Listing

Other Ascertainable Records

DOT OPS.....	Incident and Accident Data
DOD.....	Department of Defense Sites
FUDS.....	Formerly Used Defense Sites
CONSENT.....	Superfund (CERCLA) Consent Decrees
ROD.....	Records Of Decision
UMTRA.....	Uranium Mill Tailings Sites
MINES.....	Mines Master Index File
TRIS.....	Toxic Chemical Release Inventory System
TSCA.....	Toxic Substances Control Act
FTTS.....	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
HIST FTTS.....	FIFRA/TSCA Tracking System Administrative Case Listing
SSTS.....	Section 7 Tracking Systems
ICIS.....	Integrated Compliance Information System
PADS.....	PCB Activity Database System
MLTS.....	Material Licensing Tracking System
RADINFO.....	Radiation Information Database
RAATS.....	RCRA Administrative Action Tracking System
CA BOND EXP. PLAN.....	Bond Expenditure Plan
CA WDS.....	Waste Discharge System
NPDES.....	NPDES Permits Listing
Cortese.....	"Cortese" Hazardous Waste & Substances Sites List
Notify 65.....	Proposition 65 Records
LA Co. Site Mitigation.....	Site Mitigation List
WIP.....	Well Investigation Program Case List
INDIAN RESERV.....	Indian Reservations
SCRD DRYCLEANERS.....	State Coalition for Remediation of Drycleaners Listing
COAL ASH EPA.....	Coal Combustion Residues Surface Impoundments List
COAL ASH DOE.....	Sleam-Electric Plan Operation Data
PROC.....	Certified Processors Database
PCB TRANSFORMER.....	PCB Transformer Registration Database
FINANCIAL ASSURANCE.....	Financial Assurance Information Listing

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

EXECUTIVE SUMMARY

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Federal CERCLIS NFRAP site List

CERC-NFRAP: Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

A review of the CERC-NFRAP list, as provided by EDR, and dated 06/23/2009 has revealed that there are 8 CERC-NFRAP sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CAMPBELL CONTOUR ATTACHMENTS	1320 W ESTHER ST	W 1/4 - 1/2 (0.277 mi.)	AE162	168
<i>FORMER BULK TERMINAL</i>	<i>960 DEFOREST AVE</i>	<i>S 1/4 - 1/2 (0.301 mi.)</i>	<i>AG167</i>	<i>176</i>
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>AIR PROD AND CHEM INC</i>	<i>901 W 12TH ST</i>	<i>S 0 - 1/8 (0.070 mi.)</i>	<i>H31</i>	<i>43</i>
<i>WESTERN ELECTROPLATING INCORPO</i>	<i>840 WEST ESTHER STREET</i>	<i>ESE 0 - 1/8 (0.115 mi.)</i>	<i>M55</i>	<i>71</i>
ORGANIC COMPOUNDS INC	1265 W 16TH ST	W 1/8 - 1/4 (0.220 mi.)	AD136	146
SULLIVAN CHEM CO INC	1470 W 9TH ST	WSW 1/4 - 1/2 (0.457 mi.)	AL189	203
<i>SNYDER MFG CORP</i>	<i>1541 W COWLES ST</i>	<i>W 1/4 - 1/2 (0.471 mi.)</i>	<i>AN193</i>	<i>207</i>
<i>MO DION AND SONS INCORPORATED</i>	<i>1569 WEST 16TH STREET</i>	<i>W 1/4 - 1/2 (0.496 mi.)</i>	<i>AO198</i>	<i>215</i>

Federal RCRA CORRACTS facilities list

CORRACTS: CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

A review of the CORRACTS list, as provided by EDR, and dated 03/25/2010 has revealed that there is 1 CORRACTS site within approximately 1 mile of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>CROSBY & OVERTON PLANT NUMBER</i>	<i>1630 W 17TH ST</i>	<i>W 1/2 - 1 (0.545 mi.)</i>	<i>AO202</i>	<i>226</i>

EXECUTIVE SUMMARY

Federal RCRA generators list

RCRA-LQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

A review of the RCRA-LQG list, as provided by EDR, and dated 02/17/2010 has revealed that there are 3 RCRA-LQG sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
FINE QUALITY METAL FINISHING,	1640 DAISY AVENUE	E 1/8 - 1/4 (0.222 mi.)	W139	147
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
NOVA TECHNO CORPORATION	1368 OREGON AVENUE	E 0 - 1/8 (0.124 mi.)	K64	79
ARAMARK UNIFORM & CAREER APPAR	702 W. ANAHEIM STREET	E 1/8 - 1/4 (0.129 mi.)	K77	96

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 02/17/2010 has revealed that there are 13 RCRA-SQG sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
THOMPSON FAMILY TRUST PROP	741 W 17TH ST	ENE 0 - 1/8 (0.106 mi.)	L47	63
ELLIS PAINT CO	1200 OREGON AVE	SE 1/8 - 1/4 (0.125 mi.)	J68	84
BOLA CHEMICALS	1524 OREGON AVE	E 1/8 - 1/4 (0.128 mi.)	N73	90
DAISY SUBSTATION	1700 OREGON ST	ENE 1/8 - 1/4 (0.134 mi.)	L81	101
BOYD INDUSTRIAL COATINGS INC	651 W 15TH ST	E 1/8 - 1/4 (0.172 mi.)	P89	106
AIR CARGO EQUIPMENT CORP	600 W 15TH ST	E 1/8 - 1/4 (0.219 mi.)	U129	139
R & M PLATING COMPANY	1640 DAISY STREET	E 1/8 - 1/4 (0.222 mi.)	W140	149
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SEVEN STRAND TACKLE CORP	899 W COWLES ST	E 0 - 1/8 (0.005 mi.)	B15	27
AIR PROD AND CHEM INC	901 W 12TH ST	S 0 - 1/8 (0.070 mi.)	H31	43
SO CAL COASTAL WATER RES PROJ	646 W PACIFIC COAST HWY	E 1/8 - 1/4 (0.210 mi.)	X110	126
NEILL AIRCRAFT COMPANY	1260 W 15TH STREET	W 1/8 - 1/4 (0.217 mi.)	AA115	129
B-T EQUIPMENT CO INC	1259 W 17TH ST	W 1/8 - 1/4 (0.220 mi.)	AC133	143
COMMERCIAL SIGN SUPPLIES	1309 COWLES ST	W 1/8 - 1/4 (0.249 mi.)	V158	162

EXECUTIVE SUMMARY

State- and tribal - equivalent CERCLIS

ENVIROSTOR: The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifies sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

A review of the ENVIROSTOR list, as provided by EDR, and dated 08/18/2010 has revealed that there are 13 ENVIROSTOR sites within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ANAHEIM STREET SCHOOL Status: Inactive - Action Required	ANAHEIM STREET/PACIFIC	E 1/2 - 1 (0.542 mi.)	201	224
JUAN RODRIGUEZ CABRILLO HIGH S Status: No Further Action	2001 SANTA FE AVENUE	WNW 1/2 - 1 (0.673 mi.)	206	313
PETRO DIAMOND TERMINAL COMPANY	1920 LUGGER BERTH 83 WA	WSW 1/2 - 1 (0.938 mi.)	211	324
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
WESTERN ELECTROPLATING COMPANY Status: Refer: Other Agency	820 WEST ESTHER STREET	ESE 0 - 1/8 (0.109 mi.)	M52	66
SNYDER MFG CORPORATION Status: Refer: Other Agency	1541 W COWLES STREET	W 1/4 - 1/2 (0.471 mi.)	AN192	206
CAL BUMPER CO., INC. DION & SONS INC Status: Refer: RWQCB	1555 W. ANAHEIM STREET 1569 016TH ST W	W 1/4 - 1/2 (0.483 mi.) W 1/4 - 1/2 (0.499 mi.)	AM195 AO199	211 219
CALBLASCO INC Status: Refer: RCRA	1620 WEST 16TH STREET	W 1/2 - 1 (0.545 mi.)	AO203	306
LONG BEACH PLATING CO INC CROSBY & OVERTON - PLANT #1 Status: Active	1620 WEST ANAHEIM STREE 1630 W 17TH ST	W 1/2 - 1 (0.547 mi.) W 1/2 - 1 (0.554 mi.)	204 205	307 309
QUALITY ALUMINUM FORGE EDISON/LONG BEACH III MGP Status: Certified / Operation & Maintenance	1411 COTA AVE. LG BCH HARBOR AREA, 8TH	W 1/2 - 1 (0.685 mi.) WSW 1/2 - 1 (0.888 mi.)	207 AP209	316 318
BEAR STATE ELECTRICAL CO INC Status: Refer: Other Agency	2105 WEST COWLES STREET	W 1/2 - 1 (0.892 mi.)	210	323

State and tribal landfill and/or solid waste disposal site lists

SWF/LF: The Solid Waste Facilities/Landfill Sites records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. The data come from the Integrated Waste Management Board's Solid Waste Information System (SWIS) database.

A review of the SWF/LF list, as provided by EDR, and dated 08/23/2010 has revealed that there is 1

EXECUTIVE SUMMARY

SWF/LF site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
PUBLIC SERVICE TRANSFER STATIO	E. SIDE 710MHwy -BTW AN	W 1/8 - 1/4 (0.131 mi.)	79	99

State and tribal leaking storage tank lists

LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the State Water Resources Control Board Leaking Underground Storage Tank Information System.

A review of the LUST list, as provided by EDR, and dated 07/23/2010 has revealed that there are 36 LUST sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
THE FOOD BANK OF SOUTHERN CA Status: Completed - Case Closed	1444 SAN FRANCISCO ST	0 - 1/8 (0.001 mi.)	B13	25
BKK CORP Status: Completed - Case Closed	0800 W 15TH ST	E 0 - 1/8 (0.064 mi.)	G28	38
DOUGLAS PRODUCE Status: Open - Site Assessment	648 COWLES ST	E 1/8 - 1/4 (0.173 mi.)	O91	108
MICOR ENERGY LLC Status: Open - Site Assessment	1234 COWLES ST W	W 1/8 - 1/4 (0.201 mi.)	V102	118
R & M ENTERPRISES Status: Completed - Case Closed	1501 DAISY AVE	E 1/8 - 1/4 (0.219 mi.)	U123	135
HARBOR DIESEL & EQUIPMENT INC Status: Completed - Case Closed	0537 W ANAHEIM ST	E 1/4 - 1/2 (0.264 mi.)	Z161	165
DIAMOND U PRODUCTS, INC Status: Completed - Case Closed	1429 MAGNOLIA AVE	E 1/4 - 1/2 (0.291 mi.)	164	171
BULK TERMINAL UNOCAL #5021 Status: Open - Site Assessment	960 DE FOREST AVE 1345 PACIFIC COAST HWY	S 1/4 - 1/2 (0.301 mi.) W 1/4 - 1/2 (0.331 mi.)	AG166 AI172	173 184
FORMER ROCKET STATION #6 Status: Open - Site Assessment	465 PACIFIC COAST HWY W	ENE 1/4 - 1/2 (0.356 mi.)	AJ177	189

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
T R OIL SERVICES LOB Status: Completed - Case Closed	801 WEST 14TH STREET	E 0 - 1/8 (0.081 mi.)	I35	48
WEST COAST CHOPPERS Status: Open - Site Assessment	718 ANAHEIM ST W	E 0 - 1/8 (0.103 mi.)	K44	60
ARATEX SERVICES (ARAMARK) GOODWILL INDUSTRIES Status: Completed - Case Closed	702 ANAHEIM ST W 800 PACIFIC COAST HWY W	E 1/8 - 1/4 (0.133 mi.) E 1/8 - 1/4 (0.152 mi.)	K80 Q83	99 103
LA MIRAGE INN Status: Completed - Case Closed	701 PACIFIC COAST HWY W	E 1/8 - 1/4 (0.201 mi.)	Q103	120
ASSOCIATED BREWERS DIST. CO. Status: Completed - Case Closed	615 017TH ST W	E 1/8 - 1/4 (0.201 mi.)	W104	121
NEILL AIRCRAFT COMPANY Status: Open - Site Assessment	1260 W 15TH STREET	W 1/8 - 1/4 (0.217 mi.)	AA115	129

EXECUTIVE SUMMARY

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ACME OIL CO (MCMULLEN OIL)	1651 FASHION AVE.	W 1/8 - 1/4 (0.239 mi.)	AC144	153
MCMULLEN OIL CO.	1651 FASHION AVE.	W 1/8 - 1/4 (0.239 mi.)	AC147	157
Status: Completed - Case Closed				
MARINE HARDWARE CO	1322 017TH ST W	W 1/4 - 1/2 (0.281 mi.)	AE163	169
Status: Open - Remediation				
NATIONAL PLANT SERVICES, INC.	1364 016TH ST W	W 1/4 - 1/2 (0.307 mi.)	AF169	181
Status: Completed - Case Closed				
GEORGE MITCHEL	1326 012TH ST W	WSW 1/4 - 1/2 (0.310 mi.)	AH170	182
Status: Open - Site Assessment				
BRANNEN PIPE & SUPPLY	1650 HARBOR BLVD	W 1/4 - 1/2 (0.334 mi.)	AF174	186
Status: Completed - Case Closed				
TOSCO - 76 STATION #3568	1410 PACIFIC COAST HWY	W 1/4 - 1/2 (0.348 mi.)	AI176	188
Status: Open - Site Assessment				
RUSSELL TRUCK COMPANY	1430 011TH ST W	WSW 1/4 - 1/2 (0.377 mi.)	179	191
Status: Completed - Case Closed				
SANTA FE PACIFIC PIPELINE	DE FOREST AVE	S 1/4 - 1/2 (0.377 mi.)	180	193
Status: Completed - Case Closed				
I-CHEM INTERNATIONAL (FORMER)	1455 16TH ST. W.	W 1/4 - 1/2 (0.388 mi.)	181	194
Status: Open - Site Assessment				
MTA DIV. 12	970 CHESTER PL W.	S 1/4 - 1/2 (0.402 mi.)	183	196
Status: Open - Site Assessment				
COMMERCIAL TRUCK BODIES	1468 14TH ST W	W 1/4 - 1/2 (0.402 mi.)	AK184	198
Status: Open - Remediation				
COMMERCIAL TRUCK BODIES	1468 014TH ST W	W 1/4 - 1/2 (0.415 mi.)	AK185	198
CASTLE CAR WASH	1500 PACIFIC COAST HWY	W 1/4 - 1/2 (0.433 mi.)	187	200
Status: Completed - Case Closed				
EAGLE INDUSTRIES (ILLEGALLY RM	1517 W ESTHER ST	W 1/4 - 1/2 (0.450 mi.)	188	201
Status: Open - Site Assessment				
TRANS WORLD OIL CORPORATION	1532 ANAHEIM ST W	W 1/4 - 1/2 (0.462 mi.)	AM190	204
Status: Completed - Case Closed				
TEXACO SERVICE STATION(FORMER)	340 PACIFIC COAST HWY W	ENE 1/4 - 1/2 (0.484 mi.)	196	212
Status: Completed - Case Closed				
DION & SONS INC	1569 016TH ST W	W 1/4 - 1/2 (0.499 mi.)	AO199	219
CAL STATE OIL CO	1571 15TH ST W	W 1/4 - 1/2 (0.499 mi.)	200	222
Status: Open - Verification Monitoring				

SLIC: SLIC Region comes from the California Regional Water Quality Control Board.

A review of the SLIC list, as provided by EDR, and dated 07/23/2010 has revealed that there are 15 SLIC sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
READY SELF STORAGE	800 WEST 15TH ST	E 0 - 1/8 (0.064 mi.)	G27	37
Facility Status: Open - Assessment & Interim Remedial Action				
THOMPSON FAMILY TRUST	741 WEST 17 TH STREET	ENE 0 - 1/8 (0.106 mi.)	L45	62
Facility Status: Open - Site Assessment				
ARATEX SERVICES	702 ANAHEIM	ESE 1/8 - 1/4 (0.156 mi.)	R84	105

EXECUTIVE SUMMARY

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
BULK TERMINAL UPRC BULK TERMINAL (FORMER) Facility Status: Open - Remediation	960 DE FOREST AVE 960 DE FOREST AVENUE	S 1/4 - 1/2 (0.301 mi.) S 1/4 - 1/2 (0.301 mi.)	AG166 AG168	173 180
TIDELANDS OIL Facility Status: Completed - Case Closed	1348 WEST NINTH ST	SW 1/4 - 1/2 (0.389 mi.)	182	196
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
T R OIL SERVICES LOB Facility Status: Open - Assessment & Interim Remedial Action	801 WEST 14TH STREET	E 0 - 1/8 (0.081 mi.)	I35	48
ELLIS FAMILY TRUST NOVA TECHNO CORPORATION Facility Status: Completed - Case Closed	718 ANAHEIM 1368 OREGON ST	E 0 - 1/8 (0.107 mi.) E 0 - 1/8 (0.124 mi.)	K49 K65	65 80
NOVA TECHNO CORP SERVISCO Facility Status: Open - Site Assessment	1368 OREGON AVE 702 W ANAHEIM	E 0 - 1/8 (0.124 mi.) E 1/8 - 1/4 (0.129 mi.)	K67 K76	81 94
ARATEX SERVICES (ARAMARK) Facility Status: Open - Remediation	702 ANAHEIM ST W	E 1/8 - 1/4 (0.133 mi.)	K80	99
TIDELAND OIL ARCO MARINE TERMINAL 2 Facility Status: Open - Remediation	1348 009TH 1300 PIER B	SW 1/4 - 1/2 (0.423 mi.) SW 1/4 - 1/2 (0.474 mi.)	AL186 194	199 210
PORT OF LONG BEACH Facility Status: Completed - Case Closed	PIER A	W 1/4 - 1/2 (0.495 mi.)	197	213

State and tribal registered storage tank lists

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the UST list, as provided by EDR, and dated 07/23/2010 has revealed that there are 61 UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
THE FOODBANK OF SOUTHERN CALIF	1444 SAN FRANCISCO AVE	0 - 1/8 (0.001 mi.)	B14	27
Not reported	1630 SAN FRANCISCO AVE	NE 0 - 1/8 (0.006 mi.)	C17	30
LONG BEACH SEAFOODS CO	0845 W 16TH ST	E 0 - 1/8 (0.038 mi.)	C19	31
LONG BEACH SEAFOODS CO	0825 W 16TH ST	E 0 - 1/8 (0.050 mi.)	F25	35
BKK CORP	0800 W 15TH ST	E 0 - 1/8 (0.064 mi.)	G28	38
GOODWILL INDUSTRIES	0800 W PACIFIC COAST HW	E 0 - 1/8 (0.095 mi.)	42	58
RILEY MARINE PRODUCTS	0840 W ESTHER ST	ESE 0 - 1/8 (0.098 mi.)	E43	59
Not reported	0741 W 17TH ST	ENE 0 - 1/8 (0.106 mi.)	L46	62
PACIFIC X-RAY CO	0711 W 16TH ST	E 0 - 1/8 (0.118 mi.)	N56	74
R G STEPHENS ENGINEERING & EQU	0707 W 16TH ST	E 0 - 1/8 (0.120 mi.)	N57	74
HENDERSON & COMPANY	0703 W COWLES ST	E 0 - 1/8 (0.120 mi.)	O61	78
Not reported	1451 OREGON AVE	E 0 - 1/8 (0.124 mi.)	O63	79
CARAVAN MANUFACTURING CO INC	1424 OREGON AVE	E 1/8 - 1/4 (0.126 mi.)	I69	86
LOEM'S SPORTS WEAR	1501 OREGON AVE	E 1/8 - 1/4 (0.126 mi.)	P70	87
DYNATRON ELECTRIC CO. INC.	1492 OREGON AVE	E 1/8 - 1/4 (0.127 mi.)	O72	90
Not reported	0700 W 17TH ST	ENE 1/8 - 1/4 (0.129 mi.)	L74	91

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
Not reported	0730 W ESTHER ST	NE 1/8 - 1/4 (0.146 mi.)	M82	102
AIR CARGO (NOT PREVIOUSLY ON T	0665 W COWLES ST #3	E 1/8 - 1/4 (0.159 mi.)	O85	105
Not reported	0640 W 15TH ST	E 1/8 - 1/4 (0.181 mi.)	P92	110
VACANT	0640 W 16TH ST	E 1/8 - 1/4 (0.182 mi.)	T93	111
CALIFORNIA REFRIGERATED SERVIC	625 W ANAHEIM ST	E 1/8 - 1/4 (0.191 mi.)	R95	115
NEILL AIRCRAFT CO.	1227 W COWLES ST	W 1/8 - 1/4 (0.197 mi.)	V96	116
Not reported	0653 W ESTHER ST	ENE 1/8 - 1/4 (0.200 mi.)	S97	116
Not reported	0650 W ESTHER ST	ENE 1/8 - 1/4 (0.200 mi.)	S100	117
MICOR ENERGY LONG BEACH (5 D/W	1234 W COWLES ST	W 1/8 - 1/4 (0.201 mi.)	V106	123
MEADOWS ROOFING	0645 W ESTHER ST	ENE 1/8 - 1/4 (0.206 mi.)	S108	125
Not reported	0602 W ANAHEIM ST	E 1/8 - 1/4 (0.214 mi.)	Z113	128
LONG BEACH BLUEPRINT	1435 DAISY AVE	E 1/8 - 1/4 (0.217 mi.)	Y118	134
MARINE GLASS CO	1350 DAISY AVE	E 1/8 - 1/4 (0.218 mi.)	Z121	134
H&S IRON WORKS	1501 DAISY AVE	E 1/8 - 1/4 (0.219 mi.)	U122	135
VACANT	0600 W 15TH ST	E 1/8 - 1/4 (0.219 mi.)	U128	139
NEAL FASHION	1402 DAISY AVE	E 1/8 - 1/4 (0.219 mi.)	AB130	142
Not reported	1450 DAISY AVE	E 1/8 - 1/4 (0.219 mi.)	Y131	143
Not reported	1500 DAISY AVE	E 1/8 - 1/4 (0.220 mi.)	U132	143
Not reported	1600 DAISY AVE	E 1/8 - 1/4 (0.222 mi.)	T138	147
FIRE STATION 3	1222 DAISY AVE	ESE 1/8 - 1/4 (0.227 mi.)	Z142	151
Not reported	1020 DE FOREST AVE	S 1/8 - 1/4 (0.245 mi.)	155	161
Lower Elevation	Address	Direction / Distance	Map ID	Page
Not reported	0824 W ANAHEIM ST	S 0 - 1/8 (0.010 mi.)	18	31
Not reported	0750 W ANAHEIM ST	ESE 0 - 1/8 (0.042 mi.)	D20	31
LIZETTE CREATIONS	0950 W 12TH ST	S 0 - 1/8 (0.071 mi.)	H32	47
T R OIL SERVICES LOB	801 WEST 14TH STREET	E 0 - 1/8 (0.081 mi.)	I35	48
CHEVRON #209725 (2 D/W XERXES	0725 W ANAHEIM ST	E 0 - 1/8 (0.084 mi.)	D37	56
FILE ONLY - CAL PACIFIC	0790 W 12TH ST	SE 0 - 1/8 (0.088 mi.)	H39	57
METROPOLITAN CHEMICAL CO	0733 W 14TH ST	E 0 - 1/8 (0.108 mi.)	I50	65
Not reported	0820 W ESTHER ST	ESE 0 - 1/8 (0.109 mi.)	M51	66
VACANT	0710 W ANAHEIM ST	E 0 - 1/8 (0.123 mi.)	K62	78
NOVA TECHNO CORP	1368 OREGON AVE	E 0 - 1/8 (0.124 mi.)	K67	81
AMERICAN BUFFALO INC	0702 W ANAHEIM ST	E 1/8 - 1/4 (0.129 mi.)	K78	98
Not reported	0700 W PACIFIC COAST HW	E 1/8 - 1/4 (0.166 mi.)	Q87	105
V & S TRANSPORTATION	1100 DE FOREST AVE	S 1/8 - 1/4 (0.171 mi.)	88	106
Not reported	0701 W PACIFIC COAST HW	E 1/8 - 1/4 (0.200 mi.)	Q99	117
VACANT	0615 W 17TH ST	E 1/8 - 1/4 (0.208 mi.)	W109	125
NEILL AIRCRAFT INC	1260 W 15TH ST	W 1/8 - 1/4 (0.217 mi.)	AA116	133
BERNS CO	1255 W 17TH ST	W 1/8 - 1/4 (0.219 mi.)	AC127	139
ORGANIC COMPOUNDS INC	1265 W 16TH ST	W 1/8 - 1/4 (0.220 mi.)	AD135	145
Not reported	1645 DAISY AVE	E 1/8 - 1/4 (0.221 mi.)	W137	147
WESTERN WOOD PRODUCTS	1701 FASHION AVE	W 1/8 - 1/4 (0.239 mi.)	AC145	154
UNKNOWN	1301 W 17TH ST	W 1/8 - 1/4 (0.241 mi.)	AC148	157
VACANT	1300 W COWLES ST	W 1/8 - 1/4 (0.241 mi.)	V151	159
MC MULLEN OIL COMPANY	1305 W 16TH ST	W 1/8 - 1/4 (0.245 mi.)	AD154	161
Not reported	1773 DAISY AVE	ENE 1/8 - 1/4 (0.247 mi.)	157	162

EXECUTIVE SUMMARY

AST: The Aboveground Storage Tank database contains registered ASTs. The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the AST list, as provided by EDR, and dated 08/01/2009 has revealed that there is 1 AST site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CLARIANT CORP	801 W 14TH ST	E 0 - 1/8 (0.081 mi.)	I36	56

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Registered Storage Tanks

CA FID UST: The Facility Inventory Database contains active and inactive underground storage tank locations. The source is the State Water Resource Control Board.

A review of the CA FID UST list, as provided by EDR, and dated 10/31/1994 has revealed that there are 10 CA FID UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
LONG BEACH FOOD BANK	1444 SAN FRANCISCO	0 - 1/8 (0.001 mi.)	B12	24
BKK CORPORATION	800 W 015TH ST	E 0 - 1/8 (0.064 mi.)	G30	42
CHUCKS ELECTRONIC	707 W 16TH ST	E 0 - 1/8 (0.120 mi.)	N58	74
JERRY & KATHLEEN GLIKESMAN	1234 COWLES ST	W 1/8 - 1/4 (0.201 mi.)	V101	117
AIR CARGO EQUIPMENT CORP	600 W 15TH ST	E 1/8 - 1/4 (0.219 mi.)	U129	139
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
T R OIL SERVICES LOB	801 WEST 14TH STREET	E 0 - 1/8 (0.081 mi.)	I35	48
CALIF. GLASS DIST	790 W 012TH ST LONG BEA	SSE 0 - 1/8 (0.086 mi.)	H38	57
NOVA TECHNO CORP	1368 OREGON AVE	E 0 - 1/8 (0.124 mi.)	K67	81
ACME OIL COMPANY	1651 FASHION ST	W 1/8 - 1/4 (0.239 mi.)	AC146	154
LODI TRUCK SERVICE	1300 COWLES ST	W 1/8 - 1/4 (0.241 mi.)	V150	158

HIST UST: Historical UST Registered Database.

A review of the HIST UST list, as provided by EDR, and dated 10/15/1990 has revealed that there are 11 HIST UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
LONG BEACH FOOD BANK	1444 SAN FRANCISCO AVE	0 - 1/8 (0.001 mi.)	B11	23
BKK CORP	0800 W 15TH ST	E 0 - 1/8 (0.064 mi.)	G28	38
AIR CARGO EQUIPMENT CORP	600 W 15TH ST	E 1/8 - 1/4 (0.219 mi.)	U129	139
R & M PLATING COMPANY	1640 DAISY STREET	E 1/8 - 1/4 (0.222 mi.)	W140	149
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
T R OIL SERVICES LOB	801 WEST 14TH STREET	E 0 - 1/8 (0.081 mi.)	I35	48
CALIF. GLASS DIST.	790 W. 12TH ST. LONG BE	SE 0 - 1/8 (0.088 mi.)	J40	58
WESTERN ELECTROPLATING INCORPO	840 WEST ESTHER STREET	ESE 0 - 1/8 (0.115 mi.)	M55	71
NOVA TECHNO CORP	1368 OREGON AVE	E 0 - 1/8 (0.124 mi.)	K67	81
BT EQUIPMENT CO., INC.	1255 W 17TH ST	W 1/8 - 1/4 (0.219 mi.)	AC126	137

EXECUTIVE SUMMARY

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
LODI TRUCK SERVICE	1300 W COWLES ST	W 1/8 - 1/4 (0.241 mi.)	V149	157
ACME OIL COMPANY	1305 W 16TH ST	W 1/8 - 1/4 (0.245 mi.)	AD153	159

SWEEPS UST: Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

A review of the SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there are 10 SWEEPS UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
LONG BEACH FOOD BANK	1444 SAN FRANCISCO	0 - 1/8 (0.001 mi.)	B12	24
BKK CORPORATION	800 W 015TH ST	E 0 - 1/8 (0.064 mi.)	G30	42
CHUCKS ELECTRONIC	707 W 16TH ST	E 0 - 1/8 (0.120 mi.)	N58	74
JERRY & KATHLEEN GLIKESMAN	1234 COWLES ST	W 1/8 - 1/4 (0.201 mi.)	V101	117
AIR CARGO EQUIPMENT CORP	600 W 15TH ST	E 1/8 - 1/4 (0.219 mi.)	U129	139
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
T R OIL SERVICES LOB	801 WEST 14TH STREET	E 0 - 1/8 (0.081 mi.)	I35	48
CALIF. GLASS DIST	790 W 012TH ST LONG BEA	SSE 0 - 1/8 (0.086 mi.)	H38	57
NOVA TECHNO CORPORATION	1368 OREGON AVE	E 0 - 1/8 (0.124 mi.)	K66	80
ACME OIL COMPANY	1651 FASHION ST	W 1/8 - 1/4 (0.239 mi.)	AC146	154
LODI TRUCK SERVICE	1300 COWLES ST	W 1/8 - 1/4 (0.241 mi.)	V150	158

Other Ascertainable Records

RCRA-NonGen: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA-NonGen list, as provided by EDR, and dated 02/17/2010 has revealed that there are 11 RCRA-NonGen sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
OCEAN BLUE ENVIRONMENTAL SVC	925 W ESTHER ST	SE 0 - 1/8 (0.049 mi.)	E23	33
CHANCELLOR & OGDEN	800 W 15TH ST	E 0 - 1/8 (0.064 mi.)	G26	36
IT CORP-ROUTH TRANSPORT & TRAN	800 15TH ST	E 0 - 1/8 (0.064 mi.)	G29	40
MESA ENVIRONMENTAL SVCS INC	721 W 15TH ST	E 0 - 1/8 (0.111 mi.)	G53	67
WARD-DEKAY TRANSPORTATION SVCS	707 W 16TH ST	E 0 - 1/8 (0.120 mi.)	N59	75
WARD BARKER	707 W 16TH ST	E 0 - 1/8 (0.120 mi.)	N60	76
CITY TOW SERVICE	704 W 17TH ST	ENE 1/8 - 1/4 (0.126 mi.)	L71	87
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
T R OIL SERVICES LOB	801 WEST 14TH STREET	E 0 - 1/8 (0.081 mi.)	I35	48
ENVIRONMENTAL SERVS DIV	716 W 14TH ST	E 0 - 1/8 (0.114 mi.)	I54	68
WESTERN ELECTROPLATING INCORPO	840 WEST ESTHER STREET	ESE 0 - 1/8 (0.115 mi.)	M55	71

EXECUTIVE SUMMARY

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
GAYLORD INSPECTION LABS INC	1243 W COWLES	W 1/8 - 1/4 (0.206 mi.)	V107	124

HIST CORTESE: The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES].

A review of the HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there are 27 HIST CORTESE sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
THE FOOD BANK OF SOUTHERN CA	1444 SAN FRANCISCO ST	0 - 1/8 (0.001 mi.)	B13	25
BKK CORP	0800 W 15TH ST	E 0 - 1/8 (0.064 mi.)	G28	38
DOUGLAS PRODUCE	648 COWLES ST	E 1/8 - 1/4 (0.173 mi.)	O91	108
MCMULLEN OIL INC	1234 COWLES ST	W 1/8 - 1/4 (0.201 mi.)	V105	123
R & M ENTERPRISES	1501 DAISY AVE	E 1/8 - 1/4 (0.219 mi.)	U123	135
HARBOR DIESEL & EQUIPMENT INC	0537 W ANAHEIM ST	E 1/4 - 1/2 (0.264 mi.)	Z161	165
DIAMOND U PRODUCTS, INC	1429 MAGNOLIA AVE	E 1/4 - 1/2 (0.291 mi.)	164	171
BULK TERMINAL	960 DE FOREST AVE	S 1/4 - 1/2 (0.301 mi.)	AG166	173

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
T R OIL SERVICES LOB	801 WEST 14TH STREET	E 0 - 1/8 (0.081 mi.)	I35	48
DOUGLAS ROBINSON PROPERTY	718 ANAHEIM	E 0 - 1/8 (0.107 mi.)	K48	65
GOODWILL INDUSTRIES	800 PACIFIC COAST HWY W	E 1/8 - 1/4 (0.152 mi.)	Q83	103
LA MIRAGE INN	701 PACIFIC COAST HWY W	E 1/8 - 1/4 (0.201 mi.)	Q103	120
ASSOCIATED BREWERS DIST. CO.	615 017TH ST W	E 1/8 - 1/4 (0.201 mi.)	W104	121
ACME OIL CO (MCMULLEN OIL	1305 016TH	W 1/4 - 1/2 (0.255 mi.)	AD159	163
HYDRO SERVICES CO	1322 17TH ST	W 1/4 - 1/2 (0.262 mi.)	AC160	164
NATIONAL PLANT SERVICES, INC.	1364 W 16TH ST	W 1/4 - 1/2 (0.301 mi.)	AF165	172
GEORGE MITCHEL	1326 012TH ST W	WSW 1/4 - 1/2 (0.310 mi.)	AH170	182
GOODYEAR	1350 12TH	WSW 1/4 - 1/2 (0.319 mi.)	AH171	184
BRANNEN PIPE & SUPPLY	1650 HARBOR AVE	W 1/4 - 1/2 (0.334 mi.)	AF173	185
76 PRODUCTS STATION #3568	1410 PACIFIC COAST	W 1/4 - 1/2 (0.348 mi.)	AI175	188
ROCKET #6	465 PACIFIC COAST	ENE 1/4 - 1/2 (0.374 mi.)	AJ178	191
RUSSELL TRUCK COMPANY	1430 011TH ST W	WSW 1/4 - 1/2 (0.377 mi.)	179	191
SANTA FE PACIFIC PIPELINE	DE FOREST AVE	S 1/4 - 1/2 (0.377 mi.)	180	193
COMMERCIAL TRUCK BODIES	1468 014TH ST W	W 1/4 - 1/2 (0.415 mi.)	AK185	198
CASTLE CAR WASH	1500 PACIFIC COAST HWY	W 1/4 - 1/2 (0.433 mi.)	187	200
SNYDER MFG CORPORATION	1541 COWLES	W 1/4 - 1/2 (0.470 mi.)	AN191	205
DION & SONS INC	1569 016TH ST W	W 1/4 - 1/2 (0.499 mi.)	AO199	219

DRYCLEANERS: A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaners' agents; linen supply; coin-operated laundries and cleaning; drycleaning plants except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

A review of the DRYCLEANERS list, as provided by EDR, and dated 09/15/2010 has revealed that there is 1 DRYCLEANERS site within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SUN HARDWARE CO, INC	635 W 15TH ST	E 1/8 - 1/4 (0.186 mi.)	U94	111

EXECUTIVE SUMMARY

Los Angeles County Industrial Waste and Underground Storage Tank Sites.

A review of the LOS ANGELES CO. HMS list, as provided by EDR, and dated 12/31/2009 has revealed that there is 1 LOS ANGELES CO. HMS site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ARATEX SERVICES (ARAMARK)	702 ANAHEIM ST W	E 1/8 - 1/4 (0.133 mi.)	K80	99

HWP: Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

A review of the HWP list, as provided by EDR, and dated 08/09/2010 has revealed that there are 2 HWP sites within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SWIFT TRANSPORTATION	925 W ESTHER ST	SE 0 - 1/8 (0.049 mi.)	E21	31
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CROSBY & OVERTON PLANT NUMBER	1630 W 17TH ST	W 1/2 - 1 (0.545 mi.)	AO202	226

HWT: A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

A review of the HWT list, as provided by EDR, and dated 07/21/2010 has revealed that there is 1 HWT site within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
OCEAN BLUE ENVIRONMENTAL SERVI	925 WEST ESTHER STREET	SE 0 - 1/8 (0.049 mi.)	E22	33

MWMP: The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

A review of the MWMP list, as provided by EDR, and dated 09/03/2010 has revealed that there is 1 MWMP site within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
OCEAN BLUE ENVIRONMENTAL	925 W. ESTHER ST.	SE 0 - 1/8 (0.049 mi.)	E24	35

EDR PROPRIETARY RECORDS

EDR Proprietary Records

EXECUTIVE SUMMARY

Manufactured Gas Plants: The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

A review of the Manufactured Gas Plants list, as provided by EDR, has revealed that there is 1 Manufactured Gas Plants site within approximately 1 mile of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
EDISON/LONG BEACH MGP III	LG BEACH AREA, 8TH INT	WSW 1/2 - 1 (0.872 mi.)	AP208	317

EDR Historical Auto Stations: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc.

A review of the EDR Historical Auto Stations list, as provided by EDR, has revealed that there are 14 EDR Historical Auto Stations sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CITY TOW SERVICE & GARAGE INC	1630 SAN FRANCISCO AV	NE 0 - 1/8 (0.006 mi.)	C16	30
SEUSS C E	818 W 16TH ST	E 0 - 1/8 (0.078 mi.)	F33	47
BRYANT S AUTO RE-CONDITIONING	639 W ESTHER ST	ENE 1/8 - 1/4 (0.211 mi.)	S112	128
TORN & JERRY S SERVICE	602 W ANAHEIM ST	E 1/8 - 1/4 (0.214 mi.)	Z114	128
BUCHANAN W O	1318 DAISY AV	E 1/8 - 1/4 (0.217 mi.)	Z117	134
SQUARE DEAL AUTO REPAIR SHOP	1324 DAISY AV	E 1/8 - 1/4 (0.217 mi.)	Z119	134
HAMASAKI K	600 W 14TH ST	E 1/8 - 1/4 (0.218 mi.)	AB120	134
FAULDS WM	1388 DAISY AV	E 1/8 - 1/4 (0.219 mi.)	AB124	137
WAYMAN HENRY	565 W ANAHEIM ST	E 1/8 - 1/4 (0.244 mi.)	Z152	159
FINGADO & ELDRED	561 W ANAHEIM ST	E 1/8 - 1/4 (0.246 mi.)	Z156	161

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
MISRACK J S	949 W ANAHEIM ST	W 0 - 1/8 (0.091 mi.)	41	58
BRYANT S AUTO RE CONDITIONING	689 W ESTHER ST	NE 1/8 - 1/4 (0.173 mi.)	S90	108
KING S SERVICE STATION	701 W PACIFIC COAST H	E 1/8 - 1/4 (0.200 mi.)	Q98	116
SNEED JOHN J	1265 W 16TH ST	W 1/8 - 1/4 (0.220 mi.)	AD134	145

EDR Historical Cleaners: EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc.

A review of the EDR Historical Cleaners list, as provided by EDR, has revealed that there are 7 EDR Historical Cleaners sites within approximately 0.25 miles of the target property.

EXECUTIVE SUMMARY

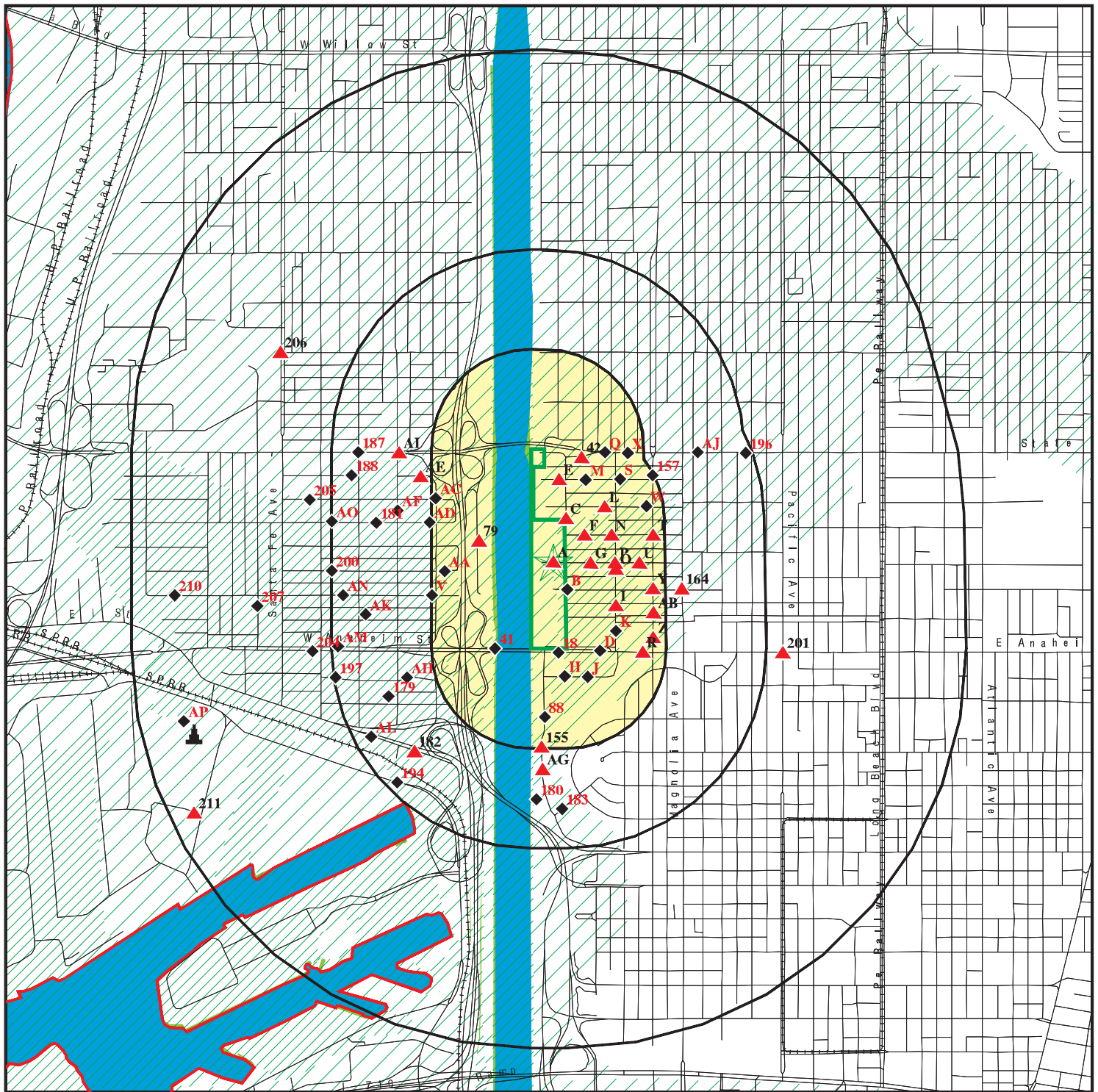
<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SCHAEFER PARSONS	812 W 16TH ST	E 0 - 1/8 (0.080 mi.)	F34	47
SPICK & SPAN LAUNDRY	609 COWLES	E 1/8 - 1/4 (0.210 mi.)	Y111	127
UNION OVERALL CLEANERS	1388 DAISY AVE	E 1/8 - 1/4 (0.219 mi.)	AB125	137
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SOFT WATER LAUNDRY & DRY CLEAN	702 W ANAHEIM ST	E 1/8 - 1/4 (0.129 mi.)	K75	92
RELIABLE CLEANERS & DYERS	733 W PACIFIC COAST H	E 1/8 - 1/4 (0.162 mi.)	Q86	105
D & S LAUNDERALL SERVICE	1265 W 17TH ST	W 1/8 - 1/4 (0.223 mi.)	AC141	151
LEW S CHINESE LAUNDRY & CLEANE	630 W PACIFIC COAST H	E 1/8 - 1/4 (0.230 mi.)	X143	152

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped:

Site Name	Database(s)
ARATEX SERVICES (ARAMARK)	HIST CORTESE
W.A. MOORE & ASSOCIATES	HIST CORTESE
IMPORT AUTO	FID,SWEEPS UST
ISLAND GRISSOM	FID,SWEEPS UST
SHELL OIL COMPANY	FID,EMI,CHMIRS,SWEEPS UST
PACIFIC AUTO CENTER	FID,SWEEPS UST
MEN AT WORK CONCRETE CLEANERS	DRYCLEANERS
ACTA SOUTH - PARCEL SE-881	SLIC REGION 2,PROP65
STAR TRONDANGER/STAR SHIPPING US W	HAZNET,CHMIRS
EL DORADO CAR WASH	LUST SAN MATEO
EXPRESS DIESEL	LUST SAN MATEO
5714 DAISY AVE	UST ALAMEDA
SHELL OIL	HIST UST
1598 PACIFIC COAST HIGHWAY	AST
1260 2ND ST LLC	HAZNET
CEDAR AVE APARTMENTS	HAZNET
ST LUCIA(VESSEL) GREAT WHITE FLEET	HAZNET
36TH ST BETWEEN ELM ST AND LINDEN	ERNS
1300 WEST B ST. PIER B BERTH 78	ERNS
ULTIMAR INC, MARINE TERMINAL, 961	ERNS
ULTIMAR INC, MARINE TERMINAL, 961	ERNS
EB 91 AT PARAMOUNT AND DOWNEY ST	ERNS
27TH STREET 100FT EAST OF WALNUT A	ERNS
32ND ST & ORANGE AVE	ERNS
32ND ST & ORANGE AVE	ERNS
SW CHERRY AVE AND SPRING	ERNS
X OF WILLOW ST. & WALNUT ST.	ERNS
ON WALNUT ST BETWEEN 29TH & SPRING	ERNS
WILLOW AND LEWIS ST	ERNS
ALLEY EAST OF BROAD ST 325 FT S. O	ERNS
ANAHEIM AVE AND SEPULVEDA AVE / DO	ERNS
520 HENRY FORD AVE	ERNS
ACTA PARCEL PCH-1555	SLIC REGION 2
ACTA PARCEL PCH-1531	SLIC REGION 2
ACTA PARCEL PCH-1536	SLIC REGION 2
ACTA - PARCEL PCH 1532	SLIC REGION 2
ACTA PARCEL PCH-1535	SLIC REGION 2
ACTA PARCEL PCH-1533	SLIC REGION 2
AMERICAN TRUCKING	SLIC REGION 2
LA CO DPW FLOOD LOS ALTOS PP	HMS LOS ANGELES

OVERVIEW MAP - 02881976.2r



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites

Indian Reservations BIA

County Boundary

Oil & Gas pipelines

100-year flood zone

500-year flood zone

National Wetland Inventory

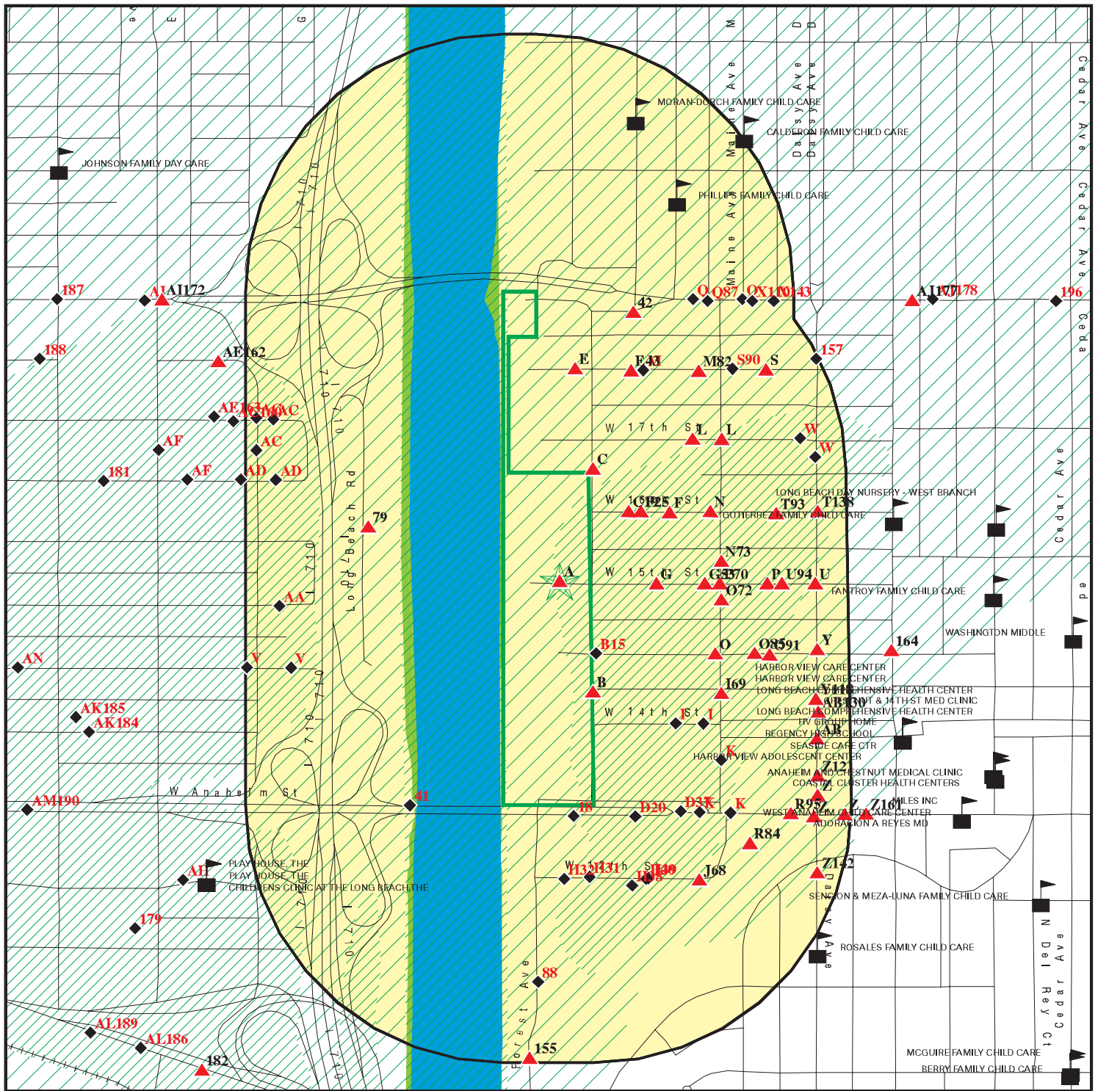
Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: San Francisco Ave/W Anaheim St
ADDRESS: 929 W Anaheim St
Long Beach CA 90813
LAT/LONG: 33.7859 / 118.2037

CLIENT: SCS Engineers
CONTACT: Loran Bures
INQUIRY #: 02881976.2r
DATE: September 29, 2010 4:47 pm

DETAIL MAP - 02881976.2r



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites

- Indian Reservations BIA
- Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory

- Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: San Francisco Ave/W Anaheim St
 ADDRESS: 929 W Anaheim St
 Long Beach CA 90813
 LAT/LONG: 33.7859 / 118.2037

CLIENT: SCS Engineers
 CONTACT: Loran Bures
 INQUIRY #: 02881976.2r
 DATE: September 29, 2010 4:48 pm

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<u>STANDARD ENVIRONMENTAL RECORDS</u>								
<i>Federal NPL site list</i>								
NPL		1.000	0	0	0	0	NR	0
Proposed NPL		1.000	0	0	0	0	NR	0
NPL LIENS		TP	NR	NR	NR	NR	NR	0
<i>Federal Delisted NPL site list</i>								
Delisted NPL		1.000	0	0	0	0	NR	0
<i>Federal CERCLIS list</i>								
CERCLIS		0.500	0	0	0	NR	NR	0
FEDERAL FACILITY		1.000	0	0	0	0	NR	0
<i>Federal CERCLIS NFRAP site List</i>								
CERC-NFRAP		0.500	2	1	5	NR	NR	8
<i>Federal RCRA CORRACTS facilities list</i>								
CORRACTS		1.000	0	0	0	1	NR	1
<i>Federal RCRA non-CORRACTS TSD facilities list</i>								
RCRA-TSDF		0.500	0	0	0	NR	NR	0
<i>Federal RCRA generators list</i>								
RCRA-LQG		0.250	1	2	NR	NR	NR	3
RCRA-SQG	X	0.250	3	10	NR	NR	NR	13
RCRA-CESQG		0.250	0	0	NR	NR	NR	0
<i>Federal institutional controls / engineering controls registries</i>								
US ENG CONTROLS		0.500	0	0	0	NR	NR	0
US INST CONTROL		0.500	0	0	0	NR	NR	0
<i>Federal ERNS list</i>								
ERNS		TP	NR	NR	NR	NR	NR	0
<i>State- and tribal - equivalent NPL</i>								
RESPONSE		1.000	0	0	0	0	NR	0
<i>State- and tribal - equivalent CERCLIS</i>								
ENVIROSTOR		1.000	1	0	3	9	NR	13
<i>State and tribal landfill and/or solid waste disposal site lists</i>								
SWF/LF	X	0.500	0	1	0	NR	NR	1
<i>State and tribal leaking storage tank lists</i>								
LUST	X	0.500	4	10	22	NR	NR	36
SLIC		0.500	6	3	6	NR	NR	15

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
INDIAN LUST		0.500	0	0	0	NR	NR	0
State and tribal registered storage tank lists								
UST	X	0.250	22	39	NR	NR	NR	61
AST		0.250	1	0	NR	NR	NR	1
INDIAN UST		0.250	0	0	NR	NR	NR	0
FEMA UST		0.250	0	0	NR	NR	NR	0
State and tribal voluntary cleanup sites								
INDIAN VCP		0.500	0	0	0	NR	NR	0
VCP		0.500	0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS		0.500	0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
DEBRIS REGION 9		0.500	0	0	0	NR	NR	0
ODI		0.500	0	0	0	NR	NR	0
WMUDS/SWAT		0.500	0	0	0	NR	NR	0
SWRCY		0.500	0	0	0	NR	NR	0
HAULERS		TP	NR	NR	NR	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US CDL		TP	NR	NR	NR	NR	NR	0
HIST Cal-Sites		1.000	0	0	0	0	NR	0
SCH		0.250	0	0	NR	NR	NR	0
Toxic Pits		1.000	0	0	0	0	NR	0
AOCONCERN		1.000	0	0	0	0	NR	0
CDL	X	TP	NR	NR	NR	NR	NR	0
US HIST CDL		TP	NR	NR	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
CA FID UST		0.250	6	4	NR	NR	NR	10
HIST UST		0.250	6	5	NR	NR	NR	11
SWEEPS UST		0.250	6	4	NR	NR	NR	10
Local Land Records								
LIENS 2		TP	NR	NR	NR	NR	NR	0
LUCIS		0.500	0	0	0	NR	NR	0
LIENS		TP	NR	NR	NR	NR	NR	0
DEED		0.500	0	0	0	NR	NR	0
Records of Emergency Release Reports								
HMIRS		TP	NR	NR	NR	NR	NR	0
CHMIRS		TP	NR	NR	NR	NR	NR	0
LDS		TP	NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
MCS		TP	NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA-NonGen		0.250	9	2	NR	NR	NR	11
DOT OPS		TP	NR	NR	NR	NR	NR	0
DOD		1.000	0	0	0	0	NR	0
FUDS		1.000	0	0	0	0	NR	0
CONSENT		1.000	0	0	0	0	NR	0
ROD		1.000	0	0	0	0	NR	0
UMTRA		0.500	0	0	0	NR	NR	0
MINES		0.250	0	0	NR	NR	NR	0
TRIS		TP	NR	NR	NR	NR	NR	0
TSCA		TP	NR	NR	NR	NR	NR	0
FTTS		TP	NR	NR	NR	NR	NR	0
HIST FTTS		TP	NR	NR	NR	NR	NR	0
SSTS		TP	NR	NR	NR	NR	NR	0
ICIS		TP	NR	NR	NR	NR	NR	0
PADS		TP	NR	NR	NR	NR	NR	0
MLTS		TP	NR	NR	NR	NR	NR	0
RADINFO		TP	NR	NR	NR	NR	NR	0
FINDS	X	TP	NR	NR	NR	NR	NR	0
RAATS		TP	NR	NR	NR	NR	NR	0
CA BOND EXP. PLAN		1.000	0	0	0	0	NR	0
CA WDS		TP	NR	NR	NR	NR	NR	0
NPDES		TP	NR	NR	NR	NR	NR	0
Cortese		0.500	0	0	0	NR	NR	0
HIST CORTESE	X	0.500	4	6	17	NR	NR	27
Notify 65		1.000	0	0	0	0	NR	0
LA Co. Site Mitigation		0.250	0	0	NR	NR	NR	0
DRYCLEANERS		0.250	0	1	NR	NR	NR	1
WIP		0.250	0	0	NR	NR	NR	0
LOS ANGELES CO. HMS		0.250	0	1	NR	NR	NR	1
HAZNET	X	TP	NR	NR	NR	NR	NR	0
EMI	X	TP	NR	NR	NR	NR	NR	0
INDIAN RESERV		1.000	0	0	0	0	NR	0
SCRD DRYCLEANERS		0.500	0	0	0	NR	NR	0
HWP		1.000	1	0	0	1	NR	2
HWT		0.250	1	0	NR	NR	NR	1
COAL ASH EPA		0.500	0	0	0	NR	NR	0
COAL ASH DOE		TP	NR	NR	NR	NR	NR	0
PROC		0.500	0	0	0	NR	NR	0
PCB TRANSFORMER		TP	NR	NR	NR	NR	NR	0
FINANCIAL ASSURANCE		TP	NR	NR	NR	NR	NR	0
MWMP		0.250	1	0	NR	NR	NR	1
EDR PROPRIETARY RECORDS								
EDR Proprietary Records								
Manufactured Gas Plants		1.000	0	0	0	1	NR	1
EDR Historical Auto Stations		0.250	3	11	NR	NR	NR	14

MAP FINDINGS SUMMARY

<u>Database</u>	<u>Target Property</u>	<u>Search Distance (Miles)</u>	<u>< 1/8</u>	<u>1/8 - 1/4</u>	<u>1/4 - 1/2</u>	<u>1/2 - 1</u>	<u>> 1</u>	<u>Total Plotted</u>
EDR Historical Cleaners		0.250	1	6	NR	NR	NR	7

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A1
Target
Property **CITY OF L.B. PUBLIC SVC YD (2 D/W JOOR)**
1725 SAN FRANCISCO AVE
LONG BEACH, CA

UST **U003700201**
N/A

Site 1 of 10 in cluster A

Actual: LONG BEACH UST:
13 ft. Region: LONG BEACH
Tank Code: Dual Walled
Tank Test: Dual Walled
Leak Test: Not reported

A2
Target
Property **CITY OF LONG BEACH**
0929 W ANAHEIM ST
LONG BEACH, CA

UST **U003660158**
N/A

Site 2 of 10 in cluster A

Actual: LONG BEACH UST:
13 ft. Region: LONG BEACH
Tank Code: Not reported
Tank Test: Not reported
Leak Test: Not reported

A3
Target
Property **VEHICLE TOW YARD**
901 ANAHEIM
LONG BEACH, CA

HIST CORTESE **S102440864**
N/A

Site 3 of 10 in cluster A

Actual: CORTESE:
13 ft. Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 908130498

A4
Target
Property **LONG BEACH CITY, PUB SERV DEPT**
1601 SAN FRANCISCO AVENUE
LONG BEACH, CA 90813

RCRA-SQG **1000231626**
FINDS **CAD981632235**

Site 4 of 10 in cluster A

Actual: RCRA-SQG:
13 ft. Date form received by agency: 09/01/1996
Facility name: LONG BEACH PUBLIC SVC CITY OF
Facility address: 1601 SAN FRANCISCO
LONG BEACH, CA 90813
EPA ID: CAD981632235
Mailing address: SAN FRANCISCO
LONG BEACH, CA 90813
Contact: Not reported
Contact address: Not reported
Not reported
Contact country: Not reported
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 09

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LONG BEACH CITY, PUB SERV DEPT (Continued)

1000231626

Land type: Facility is not located on Indian land. Additional information is not known.
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: CITY OF LONG BEACH
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: Unknown
Mixed waste (haz. and radioactive): Unknown
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: Unknown
Furnace exemption: Unknown
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Verified to be non-commercial

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 11/06/1993
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State Contractor/Grantee

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LONG BEACH CITY, PUB SERV DEPT (Continued)

1000231626

Evaluation date: 12/17/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State Contractor/Grantee

FINDS:

Registry ID: 110013829474

Environmental Interest/Information System

The NEI (National Emissions Inventory) database contains information on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

**A5
Target
Property**

**LONG BEACH TESTING LAB CITY OF
1475 SAN FRANCISCO AVE
LONG BEACH, CA 90813**

**RCRA-SQG
FINDS**

**1000231634
CAD981972201**

Site 5 of 10 in cluster A

**Actual:
13 ft.**

RCRA-SQG:
Date form received by agency: 05/12/1987
Facility name: LONG BEACH TESTING LAB CITY OF
Facility address: 1475 SAN FRANCISCO AVE
LONG BEACH, CA 90813
EPA ID: CAD981972201
Mailing address: SAN FRANCISCO AVE
LONG BEACH, CA 90813
Contact: ENVIRONMENTAL MANAGER
Contact address: 1475 SAN FRANCISCO AVE
LONG BEACH, CA 90813
Contact country: US
Contact telephone: (213) 436-4784
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Municipal

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LONG BEACH TESTING LAB CITY OF (Continued)

1000231634

Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: LONG BEACH CITY OF
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Municipal
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): Unknown
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Verified to be non-commercial

Violation Status: No violations found

FINDS:

Registry ID: 110002760502

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

A6
Target
Property
LONG BEACH CITY TOW YARD
901 ANAHEIM ST W
LONG BEACH, CA 90813

LUST **S104916177**
N/A

Site 6 of 10 in cluster A

Actual:
13 ft.

LUST:
Region: STATE
Global Id: T0603701960
Latitude: 33.7827207
Longitude: -118.2025602

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LONG BEACH CITY TOW YARD (Continued)

S104916177

Case Type: LUST Cleanup Site
Status: Open - Verification Monitoring
Status Date: 2005-08-11 00:00:00
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Worker: NC
Local Agency: LONG BEACH/SIGNAL HILL, CITIES OF
RB Case Number: 908130498
LOC Case Number: Not reported
File Location: Regional Board
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST REG 4:

Region: 4
Regional Board: 04
County: Los Angeles
facid: 908130498
Status: Preliminary site assessment workplan submitted
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: Excavate and Dispose
Global ID: T0603701960
W Global ID: Not reported
Staff: NC
Local Agency: 19060
Cross Street: SAN FRANCISCO
Enforcement Type: LET
Date Leak Discovered: 8/30/1995
Date Leak First Reported: 8/30/1995
Date Leak Record Entered: 6/7/1996
Date Confirmation Began: 8/30/1995
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 11/15/2001
Date the Case was Closed: Not reported
How Leak Discovered: Tank Closure
How Leak Stopped: Not reported
Cause of Leak: Corrosion
Leak Source: Tank
Operator: CHUCK RAMSEY
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 16469.944344413791268620002409
Source of Cleanup Funding: Tank
Preliminary Site Assessment Workplan Submitted: 6/22/2001
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: Not reported
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: 8/30/1995
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LONG BEACH CITY TOW YARD (Continued)

S104916177

GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: DAVID MCCARTHY
RP Address: 2600 TEMPLE AVE.
Program: LUST
Lat/Long: 33.7827207 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: CITY OF LONG BEACH PURCHASED PIECE OF LAND. TANK WAS FOUND ABANDONED
AFTER SALE. CITY REMOVED TANK AND DISCOVERED TANKLEAK.
OLD CASE #960607-01

**A7
Target
Property**

**CITY OF LONG BEACH TOWING OPERATIONS
901 W ANAHEIM
LONG BEACH, CA 90813**

**CDL S103675659
HAZNET N/A**

Site 7 of 10 in cluster A

**Actual:
13 ft.**

CDL:
Facility ID: 200001003
Lab Type: Illegal Drug Lab (L) - location where an illegal drug lab was operated
or drug lab equipment and/or materials were stored.

Facility ID: 199903127
Lab Type: Mobile Lab (M) - location where illegal drug lab equipment and
materials were found in a vehicle or other mode of transport.

HAZNET:
Gepaid: CAL000080247
Contact: CITY OF LONG BEACH
Telephone: 0000000000
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 901 W ANAHEIM ST
Mailing City,St,Zip: LONG BEACH, CA 908130000
Gen County: Los Angeles
TSD EPA ID: CAT000613893
TSD County: Los Angeles
Waste Category: Aqueous solution with less than 10% total organic residues
Disposal Method: Transfer Station
Tons: .0625
Facility County: Los Angeles

Gepaid: CAL000036475
Contact: CITY OF LONG BEACH
Telephone: 5625705400
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 333 W OCEAN BLVD
Mailing City,St,Zip: LONG BEACH, CA 908020000
Gen County: Los Angeles

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CITY OF LONG BEACH TOWING OPERATIONS (Continued)

S103675659

TSD EPA ID: CAT080022148
TSD County: San Bernardino
Waste Category: Other organic solids
Disposal Method: Transfer Station
Tons: .5000
Facility County: Los Angeles

Gepaid: CAL000036475
Contact: CITY OF LONG BEACH
Telephone: 5625705400
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 333 W OCEAN BLVD
Mailing City,St,Zip: LONG BEACH, CA 908020000
Gen County: Los Angeles
TSD EPA ID: CAT080033681
TSD County: Los Angeles
Waste Category: Unspecified oil-containing waste
Disposal Method: Disposal, Other
Tons: .4500
Facility County: Los Angeles

Gepaid: CAL000036475
Contact: CITY OF LONG BEACH
Telephone: 5625705400
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 333 W OCEAN BLVD
Mailing City,St,Zip: LONG BEACH, CA 908020000
Gen County: Los Angeles
TSD EPA ID: CAT080033681
TSD County: Los Angeles
Waste Category: Other organic solids
Disposal Method: Disposal, Other
Tons: .9750
Facility County: Los Angeles

**A8
Target
Property**

**CITY LONG BEACH PUBLIC WORKS
1601 SAN FRANCISCO AVE
LONG BEACH, CA 90813**

**SWF/LF
HAZNET
EMI**

**S105247932
N/A**

Site 8 of 10 in cluster A

**Actual:
13 ft.**

SWF/LF (SWIS):
Region: STATE
Facility ID: 19-AA-1049
Lat/Long: 33.78667 / -118.20361
Owner Name: City of Long Beach,Public Service Bureau
Owner Telephone: 5625702732
Owner Address: Special Projects Officer
Owner Address2: 1601 San Francisco Ave.
Owner City,St,Zip: Long Beach, CA 90813
Operator: City of Long Beach, Public Works Dept.
Operator Phone: 5625702784
Operator Address: Superintendent Streets Maintenance
Operator Address2: 1601 San Francisco Ave.
Operator City,St,Zip: Long Beach, CA 90813
Operator's Status: Active

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CITY LONG BEACH PUBLIC WORKS (Continued)

S105247932

Permit Date: 10/19/2001
Permit Status: Notification
Permitted Acreage: Tons/year
Activity: Limited Volume Transfer Operation
Regulation Status: Notification
Landuse Name: Not reported
GIS Source: GPS
Category: Transfer/Processing
Unit Number: 01
Inspection Frequency: Quarterly
Accepted Waste: Green Materials,Mixed municipal
Closure Date: Not reported
Closure Type: Not reported
Disposal Acreage: Not reported
SWIS Num: 19-AA-1049
Waste Discharge Requirement Num: Not reported
Program Type: Not reported
Permitted Throughput with Units: Not reported
Actual Throughput with Units: 8
Permitted Capacity with Units: Tons/day
Remaining Capacity: Not reported
Remaining Capacity with Units: 1000

HAZNET:

Gepaid: CAD981632235
Contact: I. J. JARAMILLO, FAC MGMT OFCR
Telephone: 5625702756
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 1601 SAN FRANCISCO AVE
Mailing City,St,Zip: LONG BEACH, CA 908131495
Gen County: Los Angeles
TSD EPA ID: CAD028409019
TSD County: Los Angeles
Waste Category: Waste oil and mixed oil
Disposal Method: H135
Tons: 1.9
Facility County: Los Angeles

Gepaid: CAD981632235
Contact: I. J. JARAMILLO, FAC MGMT OFCR
Telephone: 5625702756
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 1601 SAN FRANCISCO AVE
Mailing City,St,Zip: LONG BEACH, CA 908131495
Gen County: Los Angeles
TSD EPA ID: CAD028409019
TSD County: Los Angeles
Waste Category: Unspecified oil-containing waste
Disposal Method: H141
Tons: 0.15
Facility County: Los Angeles

Gepaid: CAD981632235
Contact: I. J. JARAMILLO, FAC MGMT OFCR
Telephone: 5625702756

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CITY LONG BEACH PUBLIC WORKS (Continued)

S105247932

Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 1601 SAN FRANCISCO AVE
Mailing City,St,Zip: LONG BEACH, CA 908131495
Gen County: Los Angeles
TSD EPA ID: CAD028409019
TSD County: Los Angeles
Waste Category: Unspecified organic liquid mixture
Disposal Method: H061
Tons: 2.38
Facility County: Los Angeles

Gepaid: CAD981632235
Contact: I. J. JARAMILLO, FAC MGMT OFCR
Telephone: 5625702756
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 1601 SAN FRANCISCO AVE
Mailing City,St,Zip: LONG BEACH, CA 908131495
Gen County: Los Angeles
TSD EPA ID: CAD028409019
TSD County: Los Angeles
Waste Category: Unspecified solvent mixture Waste
Disposal Method: H141
Tons: 0.1
Facility County: Los Angeles

Gepaid: CAD981632235
Contact: I. J. JARAMILLO, FAC MGMT OFCR
Telephone: 5625702756
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 1601 SAN FRANCISCO AVE
Mailing City,St,Zip: LONG BEACH, CA 908131495
Gen County: Los Angeles
TSD EPA ID: CAD028409019
TSD County: Los Angeles
Waste Category: Latex waste
Disposal Method: H141
Tons: 1.818
Facility County: Los Angeles

[Click this hyperlink](#) while viewing on your computer to access
28 additional CA_HAZNET: record(s) in the EDR Site Report.

EMI:

Year: 1987
County Code: 19
Air Basin: SC
Facility ID: 774
Air District Name: SC
SIC Code: 9441
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CITY LONG BEACH PUBLIC WORKS (Continued)

S105247932

Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smlr Tons/Yr:	0
Year:	1990
County Code:	19
Air Basin:	SC
Facility ID:	774
Air District Name:	SC
SIC Code:	9441
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smlr Tons/Yr:	0
Year:	1995
County Code:	19
Air Basin:	SC
Facility ID:	774
Air District Name:	SC
SIC Code:	9441
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smlr Tons/Yr:	0
Year:	1997
County Code:	19
Air Basin:	SC
Facility ID:	774
Air District Name:	SC
SIC Code:	7699
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smlr Tons/Yr:	0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CITY LONG BEACH PUBLIC WORKS (Continued)

S105247932

Year: 1998
County Code: 19
Air Basin: SC
Facility ID: 774
Air District Name: SC
SIC Code: 7699
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 1
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 1999
County Code: 19
Air Basin: SC
Facility ID: 774
Air District Name: SC
SIC Code: 7699
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 1
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 2000
County Code: 19
Air Basin: SC
Facility ID: 774
Air District Name: SC
SIC Code: 7699
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 1
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 2001
County Code: 19
Air Basin: SC
Facility ID: 774
Air District Name: SC
SIC Code: 7699

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CITY LONG BEACH PUBLIC WORKS (Continued)

S105247932

Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 1
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

A9
Target
Property
PUBLIC SERVICE YARD
1725 SAN FRANCISCO AVE
LONG BEACH, CA 90813

HIST CORTESE
LUST
HAZNET
S102435505
N/A

Site 9 of 10 in cluster A

Actual:
13 ft.

CORTESE:
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 908130607

LUST:
Region: STATE
Global Id: T0603701971
Latitude: 33.7885736
Longitude: -118.2032193
Case Type: LUST Cleanup Site
Status: Open - Site Assessment
Status Date: 2008-11-24 00:00:00
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Worker: NC
Local Agency: LONG BEACH/SIGNAL HILL, CITIES OF
RB Case Number: 908130607
LOC Case Number: Not reported
File Location: Regional Board
Potential Media Affect: Soil
Potential Contaminants of Concern: Diesel
Site History: Not reported

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
facid: 908130607
Status: Preliminary site assessment underway
Substance: Motor Oil
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: Not reported
Global ID: T0603701971
W Global ID: Not reported
Staff: UNK
Local Agency: 19060
Cross Street: PACIFIC COAST HIGHWAY

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PUBLIC SERVICE YARD (Continued)

S102435505

Enforcement Type: Not reported
Date Leak Discovered: 8/4/1995
Date Leak First Reported: 8/4/1995
Date Leak Record Entered: 8/31/1995
Date Confirmation Began: Not reported
Date Leak Stopped: 8/4/1995
Date Case Last Changed on Database: 8/31/1995
Date the Case was Closed: Not reported
How Leak Discovered: Inventory Control
How Leak Stopped: Not reported
Cause of Leak: Structure Failure
Leak Source: Piping
Operator: DEPT OF PUBLIC WORKS
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 14972.994970622465758367051324
Source of Cleanup Funding: Piping
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: 8/4/1995
Pollution Characterization Began: Not reported
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: CITY OF LONG BEACH
RP Address: 333 W. OCEAN BLVD., LONG BEACH, CA 90802
Program: LUST
Lat/Long: 33.7885736 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: Not reported

HAZNET:

Gepaid: CAC002629172
Contact: STEVEN AICHELE
Telephone: 5624910067
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 2600 TEMPLE AVE
Mailing City,St,Zip: LONG BEACH, CA 908062209
Gen County: Los Angeles
TSD EPA ID: CAT080013352
TSD County: Los Angeles
Waste Category: Tank bottom waste
Disposal Method: H039

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PUBLIC SERVICE YARD (Continued)

S102435505

Tons: 2.502
Facility County: Los Angeles

Gepaid: CAC002629172
Contact: STEVEN AICHELE
Telephone: 5624910067
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 2600 TEMPLE AVE
Mailing City,St,Zip: LONG BEACH, CA 908062209
Gen County: Los Angeles
TSD EPA ID: CAD028409019
TSD County: Los Angeles
Waste Category: Unspecified oil-containing waste
Disposal Method: H135
Tons: 20.85
Facility County: Los Angeles

Gepaid: CAC000102621
Contact: GARY GREWALL
Telephone: 2135906610
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 333 WEST OCEAN BLVD
Mailing City,St,Zip: LONG BEACH, CA 908020000
Gen County: Los Angeles
TSD EPA ID: CAT080013352
TSD County: Los Angeles
Waste Category: Aqueous solution with less than 10% total organic residues
Disposal Method: H039
Tons: 0.31
Facility County: Los Angeles

**A10
Target
Property**

**CITY LONG BEACH PUBLIC WORKS
1601 SAN FRANCISCO
LONG BEACH, CA 90813**

**HAZNET S103633796
N/A**

Site 10 of 10 in cluster A

**Actual:
13 ft.**

HAZNET:
Gepaid: CAD981632235
Contact: CITY OF LONG BEACH
Telephone: 0000000000
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 1601 SAN FRANCISCO AVE
Mailing City,St,Zip: LONG BEACH, CA 908131495
Gen County: Los Angeles
TSD EPA ID: CAD009007626
TSD County: Los Angeles
Waste Category: Asbestos-containing waste
Disposal Method: Disposal, Land Fill
Tons: 1.5170
Facility County: Los Angeles

Gepaid: CAD981632235
Contact: CITY OF LONG BEACH
Telephone: 0000000000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CITY LONG BEACH PUBLIC WORKS (Continued)

S103633796

Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 1601 SAN FRANCISCO AVE
Mailing City,St,Zip: LONG BEACH, CA 908131495
Gen County: Los Angeles
TSD EPA ID: CAD008252405
TSD County: Los Angeles
Waste Category: Unspecified solvent mixture Waste
Disposal Method: Recycler
Tons: .7880
Facility County: Los Angeles

Gepaid: CAD981632235
Contact: CITY OF LONG BEACH
Telephone: 0000000000
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 1601 SAN FRANCISCO AVE
Mailing City,St,Zip: LONG BEACH, CA 908131495
Gen County: Los Angeles
TSD EPA ID: CAD008252405
TSD County: Los Angeles
Waste Category: Unspecified solvent mixture Waste
Disposal Method: Not reported
Tons: .2250
Facility County: Los Angeles

Gepaid: CAD981632235
Contact: CITY OF LONG BEACH
Telephone: 0000000000
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 1601 SAN FRANCISCO AVE
Mailing City,St,Zip: LONG BEACH, CA 908131495
Gen County: Los Angeles
TSD EPA ID: CAT080013352
TSD County: Los Angeles
Waste Category: Tank bottom waste
Disposal Method: Recycler
Tons: .6672
Facility County: Los Angeles

Gepaid: CAD981632235
Contact: CITY OF LONG BEACH
Telephone: 0000000000
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 1601 SAN FRANCISCO AVE
Mailing City,St,Zip: LONG BEACH, CA 908131495
Gen County: Los Angeles
TSD EPA ID: CAD028409019
TSD County: Los Angeles
Waste Category: Liquids with pH <UN-> 2
Disposal Method: Transfer Station
Tons: .2085
Facility County: Los Angeles

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

B12 **LONG BEACH FOOD BANK**
1444 SAN FRANCISCO
LONG BEACH, CA 90813

< 1/8
0.001 mi.
5 ft.

Site 2 of 5 in cluster B

CA FID UST
SWEEPS UST

S101618209
N/A

Relative:
Higher

CA FID UST:

Facility ID: 19003077
Regulated By: UTNKA
Regulated ID: 00050642
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 2134353577
Mail To: Not reported
Mailing Address: 1444 SAN FRANCISCO
Mailing Address 2: Not reported
Mailing City,St,Zip: LONG BEACH 90813
Contact: Not reported
Contact Phone: Not reported
DUNS Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

Actual:
13 ft.

SWEEPS UST:

Status: A
Comp Number: 50642
Number: 9
Board Of Equalization: Not reported
Ref Date: 07-01-85
Act Date: Not reported
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: 1
Swrcb Tank Id: 19-060-050642-000001
Actv Date: 07-01-85
Capacity: 1000
Tank Use: UNKNOWN
Stg: P
Content: Not reported
Number Of Tanks: 4

Status: A
Comp Number: 50642
Number: 9
Board Of Equalization: Not reported
Ref Date: 07-01-85
Act Date: Not reported
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: 2
Swrcb Tank Id: 19-060-050642-000002
Actv Date: 07-01-85
Capacity: 4000
Tank Use: UNKNOWN
Stg: P
Content: Not reported
Number Of Tanks: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LONG BEACH FOOD BANK (Continued)

S101618209

Status: A
Comp Number: 50642
Number: 9
Board Of Equalization: Not reported
Ref Date: 07-01-85
Act Date: Not reported
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: 3
Swrcb Tank Id: 19-060-050642-000003
Actv Date: 07-01-85
Capacity: Not reported
Tank Use: OIL
Stg: W
Content: WASTE OIL
Number Of Tanks: Not reported

Status: A
Comp Number: 50642
Number: 9
Board Of Equalization: Not reported
Ref Date: 07-01-85
Act Date: Not reported
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: 4
Swrcb Tank Id: 19-060-050642-000004
Actv Date: 07-01-85
Capacity: 5000
Tank Use: UNKNOWN
Stg: P
Content: Not reported
Number Of Tanks: Not reported

**B13 THE FOOD BANK OF SOUTHERN CA
1444 SAN FRANCISCO ST
, CA 90813**

**HIST CORTESE S101296789
LUST N/A**

**< 1/8
0.001 mi.
5 ft.**

Site 3 of 5 in cluster B

Relative: CORTESE:
Higher Region: CORTESE
Facility County Code: 19
Actual: Reg By: LTNKA
13 ft. Reg Id: 908130216

LUST:
Region: STATE
Global Id: T0603701935
Latitude: 33.7847277
Longitude: -118.2030013
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 1996-07-22 00:00:00
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Worker: YR
Local Agency: LONG BEACH/SIGNAL HILL, CITIES OF

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE FOOD BANK OF SOUTHERN CA (Continued)

S101296789

RB Case Number: 908130216
LOC Case Number: Not reported
File Location: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Benzene
Site History: Not reported

LUST REG 4:

Region: 4
Regional Board: 04
County: Los Angeles
facid: 908130216
Status: Case Closed
Substance: Benzene
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater
Abatement Method Used at the Site: Not reported
Global ID: T0603701935
W Global ID: Not reported
Staff: UNK
Local Agency: 19060
Cross Street: Not reported
Enforcement Type: Not reported
Date Leak Discovered: Not reported
Date Leak First Reported: 10/8/1990
Date Leak Record Entered: 4/22/1991
Date Confirmation Began: 10/8/1990
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 8/22/1996
Date the Case was Closed: 7/22/1996
How Leak Discovered: Not reported
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Operator: Not reported
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 15991.575427655345315576944023
Source of Cleanup Funding: UNK
Preliminary Site Assessment Workplan Submitted: 4/30/1993
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: Not reported
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: BLANK RP
RP Address: 1031 TAHACHEPE DR, LONG BEACH CA 90807

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE FOOD BANK OF SOUTHERN CA (Continued)

S101296789

Program: LUST
Lat/Long: 33.7847277 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: 8/20/91-LETTER FROM LAWYER

B14 THE FOODBANK OF SOUTHERN CALIFORNIA
1444 SAN FRANCISCO AVE
LONG BEACH, CA
< 1/8
0.001 mi.
5 ft. Site 4 of 5 in cluster B

UST U003661404
N/A

Relative: LONG BEACH UST:
Higher Region: LONG BEACH
Tank Code: Not reported
Actual: Tank Test: Not reported
13 ft. Leak Test: Not reported

B15 SEVEN STRAND TACKLE CORP
East 899 W COWLES ST
< 1/8 LONG BEACH, CA 90813
0.005 mi.
24 ft. Site 5 of 5 in cluster B

RCRA-SQG 1000593513
FINDS CAD982446585
HAZNET

Relative: RCRA-SQG:
Lower Date form received by agency: 09/01/1996
Facility name: SEVEN STRAND TACKLE CORP
Actual: Facility address: 899 W COWLES ST
12 ft. LONG BEACH, CA 90813
EPA ID: CAD982446585
Mailing address: W COWLES ST
LONG BEACH, CA 90813
Contact: Not reported
Contact address: Not reported
Not reported
Contact country: Not reported
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 09
Land type: Facility is not located on Indian land. Additional information is not known.
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: BILL BUCHANAN
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SEVEN STRAND TACKLE CORP (Continued)

1000593513

Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999

Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: Unknown
Mixed waste (haz. and radioactive): Unknown
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: Unknown
Furnace exemption: Unknown
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Verified to be non-commercial

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 09/22/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State Contractor/Grantee

FINDS:

Registry ID: 110002814964

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SEVEN STRAND TACKLE CORP (Continued)

1000593513

HAZNET:

Gepaid: CAD982446585
Contact: BILL BUCHANAN
Telephone: 0000000000
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 899 W COWLES ST
Mailing City,St,Zip: LONG BEACH, CA 908130000
Gen County: Los Angeles
TSD EPA ID: CAD008302903
TSD County: Los Angeles
Waste Category: Unspecified solvent mixture Waste
Disposal Method: Recycler
Tons: .9174
Facility County: Los Angeles

Gepaid: CAD982446585
Contact: BILL BUCHANAN
Telephone: 0000000000
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 899 W COWLES ST
Mailing City,St,Zip: LONG BEACH, CA 908130000
Gen County: Los Angeles
TSD EPA ID: CAD008302903
TSD County: Los Angeles
Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method: Recycler
Tons: .4170
Facility County: Los Angeles

Gepaid: CAD982446585
Contact: BILL BUCHANAN
Telephone: 0000000000
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 899 W COWLES ST
Mailing City,St,Zip: LONG BEACH, CA 908130000
Gen County: Los Angeles
TSD EPA ID: CAD008302903
TSD County: Los Angeles
Waste Category: Alkaline solution without metals (pH > 12.5)
Disposal Method: Transfer Station
Tons: .4795
Facility County: Los Angeles

Gepaid: CAD982446585
Contact: BILL BUCHANAN
Telephone: 0000000000
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 899 W COWLES ST
Mailing City,St,Zip: LONG BEACH, CA 908130000
Gen County: Los Angeles
TSD EPA ID: CAD008302903
TSD County: Los Angeles
Waste Category: Liquids with pH <UN-> 2

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SEVEN STRAND TACKLE CORP (Continued)

1000593513

Disposal Method: Transfer Station
Tons: .2919
Facility County: Los Angeles

Gepaid: CAD982446585
Contact: BILL BUCHANAN
Telephone: 0000000000
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 899 W COWLES ST
Mailing City,St,Zip: LONG BEACH, CA 908130000
Gen County: Los Angeles
TSD EPA ID: CAD008302903
TSD County: Los Angeles
Waste Category: Off-specification, aged, or surplus organics
Disposal Method: Recycler
Tons: .1668
Facility County: Los Angeles

[Click this hyperlink](#) while viewing on your computer to access
11 additional CA_HAZNET: record(s) in the EDR Site Report.

C16
NE
< 1/8
0.006 mi.
32 ft.

CITY TOW SERVICE & GARAGE INC
1630 SAN FRANCISCO AVE
LONG BEACH, CA

Site 1 of 3 in cluster C

EDR Historical Auto Stations **1009050512**
N/A

Relative:
Higher

EDR Historical Auto Stations:

Name: CITY TOW SERVICE & GARAGE INC
Year: 1969
Type: AUTOMOBILE REPAIRING

Actual:
17 ft.

Name: CITY TOW SERVICE & GARAGE INC
Year: 1969
Type: AUTOMOBILE REPAIRING

C17
NE
< 1/8
0.006 mi.
32 ft.

1630 SAN FRANCISCO AVE
LONG BEACH, CA

Site 2 of 3 in cluster C

UST **U003920250**
N/A

Relative:
Higher

LONG BEACH UST:

Region: LONG BEACH
Tank Code: Not reported
Tank Test: Not reported
Leak Test: Not reported

Actual:
17 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

18
South
< 1/8
0.010 mi.
55 ft.

0824 W ANAHEIM ST
LONG BEACH, CA

UST U003919747
N/A

Relative:
Lower

LONG BEACH UST:

Region: LONG BEACH
Tank Code: Not reported
Tank Test: Not reported
Leak Test: Not reported

Actual:
11 ft.

C19
East
< 1/8
0.038 mi.
203 ft.

LONG BEACH SEAFOODS CO
0845 W 16TH ST
LONG BEACH, CA

UST U003660000
N/A

Site 3 of 3 in cluster C

Relative:
Higher

LONG BEACH UST:

Region: LONG BEACH
Tank Code: Not reported
Tank Test: Not reported
Leak Test: Not reported

Actual:
16 ft.

D20
ESE
< 1/8
0.042 mi.
221 ft.

0750 W ANAHEIM ST
LONG BEACH, CA

UST U003919745
N/A

Site 1 of 2 in cluster D

Relative:
Lower

LONG BEACH UST:

Region: LONG BEACH
Tank Code: Not reported
Tank Test: Not reported
Leak Test: Not reported

Actual:
11 ft.

E21
SE
< 1/8
0.049 mi.
257 ft.

SWIFT TRANSPORTATION
925 W ESTHER ST
LONG BEACH, CA 90813

HAZNET S103676402
HWP N/A

Site 1 of 5 in cluster E

Relative:
Higher

HAZNET:

Gepaid: CAC002630159
Contact: NEAL TOLLE
Telephone: 2604293117
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 5001 U S HIGHWAY 30 WEST
Mailing City,St,Zip: FORT WAYNE, IN 468180000
Gen County: Los Angeles
TSD EPA ID: CAD028409019
TSD County: Los Angeles
Waste Category: Unspecified oil-containing waste
Disposal Method: H141
Tons: 0.45
Facility County: Los Angeles

Actual:
17 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SWIFT TRANSPORTATION (Continued)

S103676402

Gepaid: CAC002637847
Contact: JOSE F OLIVARES
Telephone: 5626281682
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 166 E MARKET ST
Mailing City,St,Zip: LONG BEACH, CA 90805
Gen County: Los Angeles
TSD EPA ID: Not reported
TSD County: Not reported
Waste Category: Unspecified oil-containing waste
Disposal Method: H141
Tons: 0.175
Facility County: Los Angeles

Gepaid: CAD983608258
Contact: ALLWASTE ENVIRONMENTAL SERV/WE
Telephone: 3109012556
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 1411 W GAYLORD ST
Mailing City,St,Zip: LONG BEACH, CA 908130000
Gen County: Los Angeles
TSD EPA ID: CAD028409019
TSD County: Los Angeles
Waste Category: Unspecified oil-containing waste
Disposal Method: Transfer Station
Tons: .1250
Facility County: Los Angeles

Gepaid: CAD983608258
Contact: ALLWASTE ENVIRONMENTAL SERV/WE
Telephone: 3109012556
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 1411 W GAYLORD ST
Mailing City,St,Zip: LONG BEACH, CA 908130000
Gen County: Los Angeles
TSD EPA ID: CAD028409019
TSD County: Los Angeles
Waste Category: Other inorganic solid waste
Disposal Method: Transfer Station
Tons: .0150
Facility County: Los Angeles

Gepaid: CAD983608258
Contact: ALLWASTE ENVIRONMENTAL SERV/WE
Telephone: 3109012556
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 1411 W GAYLORD ST
Mailing City,St,Zip: LONG BEACH, CA 908130000
Gen County: Los Angeles
TSD EPA ID: CAD028409019
TSD County: Los Angeles
Waste Category: Waste oil and mixed oil
Disposal Method: Treatment, Tank

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SWIFT TRANSPORTATION (Continued)

S103676402

Tons: 1.6054
Facility County: Los Angeles

[Click this hyperlink](#) while viewing on your computer to access
15 additional CA_HAZNET: record(s) in the EDR Site Report.

HWP:

EPA Id: CAT080029952
Latitude: 33.786531
Longitude: -118.220348
Facility Type: HAZ WASTE - NON-OPERATING
Cleanup Status: Not reported
Region: SOUTHERN CALIFORNIA PERMITS AND CORRECTIVE ACTION
Permit Maintenance Lead: Not reported
Permit Renewal Lead: Not reported
Corrective Action Lead: Not reported
Supervisor: Not reported
Site Code: Not reported
Assembly District: Not reported
Senate District: Not reported
Public Information Officer: Not reported
Facility Status: Not reported
Site History: Not reported

E22
SE
< 1/8
0.049 mi.
257 ft.

OCEAN BLUE ENVIRONMENTAL SERVICES, INC.
925 WEST ESTHER STREET
LONG BEACH, CA 90813

HAULERS
HWT
S108487598
N/A

Site 2 of 5 in cluster E

Relative:
Higher

HAULERS:
Facility ID: 1003834
Facility Phone: (562) 624-4120

Actual:
17 ft.

HWT:
Reg Num: 3354
Expiration Date: 8/31/2010

E23
SE
< 1/8
0.049 mi.
257 ft.

OCEAN BLUE ENVIRONMENTAL SVC
925 W ESTHER ST
LONG BEACH, CA 90813

RCRA-NonGen
FINDS
1000596842
CAD983608258

Site 3 of 5 in cluster E

Relative:
Higher

RCRA-NonGen:
Date form received by agency: 07/27/1994
Facility name: OCEAN BLUE ENVIRONMENTAL SVC
Facility address: 925 W ESTHER ST
LONG BEACH, CA 90813
EPA ID: CAD983608258
Mailing address: 4119 COLORADO ST
LONG BEACH, CA 90814
Contact: SCOTT TRACY
Contact address: 925 W ESTHER ST
LONG BEACH, CA 90813

Actual:
17 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

OCEAN BLUE ENVIRONMENTAL SVC (Continued)

1000596842

Contact country: US
Contact telephone: (310) 433-2726
Contact email: Not reported
EPA Region: 09
Land type: Private
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: OCEAN BLUE ENVIRONMENTAL SVC
Owner/operator address: 925 W ESTHER ST
LONG BEACH, CA 90813
Owner/operator country: Not reported
Owner/operator telephone: (310) 433-2726
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): Unknown
Recycler of hazardous waste: No
Transporter of hazardous waste: Yes
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Verified to be non-commercial

Facility Has Received Notices of Violations:

Regulation violated: Not reported
Area of violation: Transporters - General
Date violation determined: 11/06/2002
Date achieved compliance: 11/21/2002
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/06/2002
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 11/06/2002
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

OCEAN BLUE ENVIRONMENTAL SVC (Continued)

1000596842

Area of violation: Transporters - General
Date achieved compliance: 11/21/2002
Evaluation lead agency: State

FINDS:

Registry ID: 110002862741

Environmental Interest/Information System

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

**E24
SE
< 1/8
0.049 mi.
257 ft.**

**OCEAN BLUE ENVIRONMENTAL
925 W. ESTHER ST.
LONG BEACH, CA 90813**

**MWMP S110071514
N/A**

Site 4 of 5 in cluster E

**Relative:
Higher**

MWMP:
Facility Type: MEDICAL WASTE TRANSPORTERS
Sr No: 51
Contact Name: Not reported
Contact Phone: 562-624-4120
Method: Not reported
Registration Number: 3354

**Actual:
17 ft.**

**F25
East
< 1/8
0.050 mi.
265 ft.**

**LONG BEACH SEAFOODS CO
0825 W 16TH ST
LONG BEACH, CA**

**UST U003659999
N/A**

Site 1 of 3 in cluster F

**Relative:
Higher**

LONG BEACH UST:
Region: LONG BEACH
Tank Code: Not reported
Tank Test: Not reported
Leak Test: Not reported

**Actual:
16 ft.**

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

G26
East
< 1/8
0.064 mi.
337 ft.

CHANCELLOR & OGDEN
800 W 15TH ST
LONG BEACH, CA 90813

Site 1 of 6 in cluster G

RCRA-NonGen
FINDS

1000308113
CAD980880538

Relative:
Higher

RCRA-NonGen:

Date form received by agency: 09/30/1983

Facility name: CHANCELLOR & OGDEN

Facility address: 800 W 15TH ST
LONG BEACH, CA 90813

EPA ID: CAD980880538

Mailing address: 2550 SECOND HUNDRED THIRTY SEV
TORRANCE, CA 90505

Contact: ENVIRONMENTAL MANAGER

Contact address: 800 W 15TH ST
LONG BEACH, CA 90813

Contact country: US

Contact telephone: (213) 539-7150

Contact email: Not reported

EPA Region: 09

Classification: Non-Generator

Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: NOT REQUIRED

Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999

Owner/operator country: Not reported

Owner/operator telephone: (415) 555-1212

Legal status: Private

Owner/Operator Type: Operator

Owner/Op start date: Not reported

Owner/Op end date: Not reported

Owner/operator name: BKK CORPORATION

Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999

Owner/operator country: Not reported

Owner/operator telephone: (415) 555-1212

Legal status: Private

Owner/Operator Type: Owner

Owner/Op start date: Not reported

Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No

Mixed waste (haz. and radioactive): Unknown

Recycler of hazardous waste: No

Transporter of hazardous waste: No

Treater, storer or disposer of HW: No

Underground injection activity: No

On-site burner exemption: No

Furnace exemption: No

Used oil fuel burner: No

Used oil processor: No

User oil refiner: No

Used oil fuel marketer to burner: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHANCELLOR & OGDEN (Continued)

1000308113

Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Verified to be non-commercial

Violation Status: No violations found

FINDS:

Registry ID: 110009533406

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

G27
East
< 1/8
0.064 mi.
337 ft.

READY SELF STORAGE
800 WEST 15TH ST
LONG BEACH, CA

Site 2 of 6 in cluster G

SLIC S106483993
N/A

Relative:
Higher

SLIC:

Region: STATE
Facility Status: Open - Assessment & Interim Remedial Action

Actual:
15 ft.

Status Date: 2010-03-24 00:00:00
Global Id: SL2047J1677
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number: Not reported
Latitude: 33.785734
Longitude: -118.200045
Case Type: Cleanup Program Site
Case Worker: RE
Local Agency: Not reported
RB Case Number: 0876
File Location: Regional Board
Potential Media Affected: Not reported
Potential Contaminants of Concern: Not reported
Site History: The site, which contains a two story storage facility, is located on the southeast corner of the intersection of West 15th Street and San Francisco Street. Contaminants of concern include petroleum hydrocarbons aa well as PCE and its breakdown products.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

G28
East
< 1/8
0.064 mi.
337 ft.

BKK CORP
0800 W 15TH ST
LONG BEACH, CA
Site 3 of 6 in cluster G

HIST CORTESE
LUST
UST
HIST UST

U001566289
N/A

Relative:
Higher

CORTESE:
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 908130570

Actual:
15 ft.

LUST:
Region: STATE
Global Id: T0603701968
Latitude: 33.7856437
Longitude: -118.2020413
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 1986-12-02 00:00:00
Lead Agency: LONG BEACH/SIGNAL HILL, CITIES OF
Case Worker: CP
Local Agency: LONG BEACH/SIGNAL HILL, CITIES OF
RB Case Number: 908130570
LOC Case Number: Not reported
File Location: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Waste Oil / Motor / Hydraulic / Lubricating
Site History: Not reported

LUST REG 4:

Region: 4
Regional Board: 04
County: Los Angeles
facid: 908130570
Status: Case Closed
Substance: Waste Oil
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: Not reported
Global ID: T0603701968
W Global ID: Not reported
Staff: UNK
Local Agency: 19060
Cross Street: SAN FRANCISCO AVE
Enforcement Type: Not reported
Date Leak Discovered: Not reported
Date Leak First Reported: 9/15/1986
Date Leak Record Entered: 8/5/1987
Date Confirmation Began: Not reported
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 9/15/1986
Date the Case was Closed: 12/2/1986
How Leak Discovered: Not reported
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BKK CORP (Continued)

U001566289

Operator: Not reported
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 15549.114847403879820428084256
Source of Cleanup Funding: UNK
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: Not reported
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: BKK CORPORATION
RP Address: 2550 237TH ST, TORRANCE, CA 90505
Program: LUST
Lat/Long: 33.7856437 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: Not reported

LONG BEACH UST:

Region: LONG BEACH
Tank Code: Not reported
Tank Test: Not reported
Leak Test: Not reported

HIST UST:

Region: STATE
Facility ID: 00000016806
Facility Type: Other
Other Type: TRUCK TERMINAL
Total Tanks: 0004
Contact Name: JOHN LAMBIE
Telephone: 2134328461
Owner Name: BKK CORPORATION
Owner Address: 2550 237TH STREET
Owner City,St,Zip: TORRANCE, CA 90505

Tank Num: 001
Container Num: LOI
Year Installed: Not reported
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: DIESEL

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BKK CORP (Continued)

U001566289

Tank Construction: Not reported
Leak Detection: Stock Inventor, None

Tank Num: 002
Container Num: LO2
Year Installed: Not reported
Tank Capacity: 00007500
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Tank Construction: Not reported
Leak Detection: Stock Inventor, None

Tank Num: 003
Container Num: LO3
Year Installed: Not reported
Tank Capacity: 00000000
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Tank Construction: Not reported
Leak Detection: None

Tank Num: 004
Container Num: LO4
Year Installed: Not reported
Tank Capacity: 00000000
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Tank Construction: Not reported
Leak Detection: None

G29
East
< 1/8
0.064 mi.
340 ft.

IT CORP-ROUTH TRANSPORT & TRANSFER FAC
800 15TH ST
LONG BEACH, CA 90813

RCRA-NonGen **1000180416**
FINDS **CAD041156464**

Site 4 of 6 in cluster G

Relative:
Higher

RCRA-NonGen:

Date form received by agency: 08/18/1980
Facility name: IT CORP-ROUTH TRANSPORT & TRANSFER FAC
Facility address: 800 15TH ST
LONG BEACH, CA 90813

EPA ID: CAD041156464
Mailing address: 336 W ANAHEIM ST
WILMINGTON, CA 90744

Contact: ENVIRONMENTAL MANAGER
Contact address: 800 15TH ST
LONG BEACH, CA 90813

Contact country: US
Contact telephone: (213) 830-1781
Contact email: Not reported

EPA Region: 09
Land type: Facility is not located on Indian land. Additional information is not known.
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: IT TRANSPORTATION CORP

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

IT CORP-ROUTH TRANSPORT & TRANSFER FAC (Continued)

1000180416

Owner/operator address: 336 W ANAHEIM ST
NOT REQUIRED, CA 99999
Owner/operator country: Not reported
Owner/operator telephone: (213) 830-1781
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: ROUTH TRANSPORTATION CORPORATION
Owner/operator address: 800 W 15TH ST
LONG BEACH, CA 90813
Owner/operator country: Not reported
Owner/operator telephone: (213) 435-4823
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): Unknown
Recycler of hazardous waste: No
Transporter of hazardous waste: Yes
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Verified to be non-commercial

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 03/06/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

FINDS:

Registry ID: 110002644069

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

G30
East
< 1/8
0.064 mi.
340 ft.
BKK CORPORATION
800 W 015TH ST
LONG BEACH, CA 90813
Site 5 of 6 in cluster G

CA FID UST
S101629836
SWEEPS UST
N/A

Relative:
Higher

CA FID UST:
Facility ID: 19056630
Regulated By: UTNKA
Regulated ID: 00016806
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 2134328461
Mail To: Not reported
Mailing Address: 2550 237TH ST
Mailing Address 2: Not reported
Mailing City,St,Zip: LONG BEACH 90813
Contact: Not reported
Contact Phone: Not reported
DUNS Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

Actual:
15 ft.

SWEEPS UST:
Status: A
Comp Number: 16806
Number: 9
Board Of Equalization: 44-010634
Ref Date: 07-01-85
Act Date: Not reported
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: LO1
Swrcb Tank Id: 19-060-016806-000001
Actv Date: 07-01-85
Capacity: 10000
Tank Use: M.V. FUEL
Stg: P
Content: DIESEL
Number Of Tanks: 4

Status: A
Comp Number: 16806
Number: 9
Board Of Equalization: 44-010634
Ref Date: 07-01-85
Act Date: Not reported
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: LO2
Swrcb Tank Id: 19-060-016806-000002
Actv Date: 07-01-85
Capacity: 7500
Tank Use: M.V. FUEL
Stg: P
Content: DIESEL
Number Of Tanks: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BKK CORPORATION (Continued)

S101629836

Status: A
Comp Number: 16806
Number: 9
Board Of Equalization: 44-010634
Ref Date: 07-01-85
Act Date: Not reported
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: LO3
Swrcb Tank Id: 19-060-016806-000003
Actv Date: 07-01-85
Capacity: Not reported
Tank Use: OIL
Stg: W
Content: WASTE OIL
Number Of Tanks: Not reported

Status: A
Comp Number: 16806
Number: 9
Board Of Equalization: 44-010634
Ref Date: 07-01-85
Act Date: Not reported
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: LO4
Swrcb Tank Id: 19-060-016806-000004
Actv Date: 07-01-85
Capacity: Not reported
Tank Use: OIL
Stg: W
Content: WASTE OIL
Number Of Tanks: Not reported

H31
South
< 1/8
0.070 mi.
367 ft.

AIR PROD AND CHEM INC
901 W 12TH ST
LONG BEACH, CA 90813

Site 1 of 4 in cluster H

CERC-NFRAP **1000985044**
RCRA-SQG **CAR000001537**
FINDS
HAZNET

Relative:
Lower

CERC-NFRAP:
Site ID: 0901020
Federal Facility: Not a Federal Facility
NPL Status: Not on the NPL
Non NPL Status: NFRAP

Actual:
10 ft.

CERCLIS-NFRAP Site Contact Name(s):

Contact Title: Not reported
Contact Name: Carl Brickner
Contact Tel: (415) 972-3814

Contact Title: Not reported
Contact Name: Brunilda Davila
Contact Tel: (415) 972-3162

Contact Title: Not reported
Contact Name: Jeff Inglis

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AIR PROD AND CHEM INC (Continued)

1000985044

Contact Tel: (415) 972-3095

Contact Title: Not reported
Contact Name: Karen Jurist
Contact Tel: (415) 972-3219

Contact Title: Not reported
Contact Name: Matt Mitguard
Contact Tel: (415) 972-3096

CERCLIS-NFRAP Site Alias Name(s):

Alias Name: AIR PRODUCTS & CHEMICALS INC
Alias Address: Not reported
CA

CERCLIS-NFRAP Assessment History:

Action: DISCOVERY
Date Started: Not reported
Date Completed: 04/01/1986
Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT
Date Started: 04/01/1986
Date Completed: 02/01/1987
Priority Level: NFRAP: No further Remedial Action planned

Action: ARCHIVE SITE
Date Started: Not reported
Date Completed: 02/01/1987
Priority Level: Not reported

RCRA-SQG:

Date form received by agency: 03/27/1995
Facility name: AIR PROD AND CHEM INC
Facility address: 901 W 12TH ST
LONG BEACH, CA 90813
EPA ID: CAR000001537
Mailing address: W 12TH ST
LONG BEACH, CA 90813
Contact: SHELLEY STUART
Contact address: 901 W 12TH ST
LONG BEACH, CA 90813
Contact country: US
Contact telephone: (310) 437-0462
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: AIR PROD AND CHEM INC

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AIR PROD AND CHEM INC (Continued)

1000985044

Owner/operator address: 7201 HAMILTON BLVD
LONG BEACH, CA 90813
Owner/operator country: Not reported
Owner/operator telephone: (610) 481-4911
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): Unknown
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Verified to be non-commercial

Violation Status: No violations found

FINDS:

Registry ID: 110002905161

Environmental Interest/Information System

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZNET:

Gepaid: CAR000001537
Contact: GEOVANNI AGRAMONTE/SITE SUPERVISOR
Telephone: 5624370462
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 901 W 12TH ST
Mailing City,St,Zip: LONG BEACH, CA 908132813
Gen County: Los Angeles
TSD EPA ID: UTD981552177

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AIR PROD AND CHEM INC (Continued)

1000985044

TSD County: 99
Waste Category: Off-specification, aged, or surplus inorganics
Disposal Method: Treatment, Incineration
Tons: 0.02
Facility County: Not reported

Gepaid: CAR000001537
Contact: GEOVANNI AGRAMONTE/SITE SUPERVISOR
Telephone: 5624370462
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 901 W 12TH ST
Mailing City,St,Zip: LONG BEACH, CA 908132813
Gen County: Los Angeles
TSD EPA ID: CAD980675276
TSD County: Kern
Waste Category: Other organic solids
Disposal Method: H132
Tons: 0.125
Facility County: Los Angeles

Gepaid: CAR000001537
Contact: GEOVANNI AGRAMONTE/SITE SUPERVISOR
Telephone: 5624370462
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 901 W 12TH ST
Mailing City,St,Zip: LONG BEACH, CA 908132813
Gen County: Los Angeles
TSD EPA ID: TXD055141378
TSD County: 99
Waste Category: Unspecified oil-containing waste
Disposal Method: H040
Tons: 0.175
Facility County: Los Angeles

Gepaid: CAR000001537
Contact: GEOVANNI AGRAMONTE/SITE SUPERVISOR
Telephone: 5624370462
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 901 W 12TH ST
Mailing City,St,Zip: LONG BEACH, CA 908132813
Gen County: Los Angeles
TSD EPA ID: UTD981552177
TSD County: 99
Waste Category: Waste oil and mixed oil
Disposal Method: Recycler
Tons: 0.03
Facility County: Los Angeles

Gepaid: CAR000001537
Contact: GEOVANNI AGRAMONTE/SITE SUPERVISOR
Telephone: 5624370462
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 901 WEST 12TH ST

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AIR PROD AND CHEM INC (Continued)

1000985044

Mailing City,St,Zip: LONG BEACH, CA 908132813
Gen County: Los Angeles
TSD EPA ID: CAD044429835
TSD County: Los Angeles
Waste Category: Unspecified oil-containing waste
Disposal Method: H141
Tons: 0.225
Facility County: Los Angeles

[Click this hyperlink](#) while viewing on your computer to access
3 additional CA_HAZNET: record(s) in the EDR Site Report.

H32
South
< 1/8
0.071 mi.
377 ft.

LIZETTE CREATIONS
0950 W 12TH ST
LONG BEACH, CA

UST **U003659963**
N/A

Site 2 of 4 in cluster H

Relative:
Lower

LONG BEACH UST:
Region: LONG BEACH
Tank Code: Not reported
Tank Test: Not reported
Leak Test: Not reported

Actual:
11 ft.

F33
East
< 1/8
0.078 mi.
413 ft.

SEUSS C E
818 W 16TH ST
LOS ANGELES, CA

EDR Historical Auto Stations **1009079684**
N/A

Site 2 of 3 in cluster F

Relative:
Higher

EDR Historical Auto Stations:
Name: SEUSS C E
Year: 1924
Type: AUTOMOBILE REPAIRING

Actual:
14 ft.

F34
East
< 1/8
0.080 mi.
425 ft.

SCHAEFER PARSONS
812 W 16TH ST
LOS ANGELES, CA

EDR Historical Cleaners **1009188702**
N/A

Site 3 of 3 in cluster F

Relative:
Higher

EDR Historical Cleaners:
Name: SCHAEFER PARSONS
Year: 1924
Type: CLOTHES CLEANERS PRESSERS AND DYERS

Actual:
14 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

I35
East
< 1/8
0.081 mi.
427 ft.

T R OIL SERVICES LOB
801 WEST 14TH STREET
LONG BEACH, CA 90813

Site 1 of 5 in cluster I

Relative:
Lower

Actual:
10 ft.

RCRA-NonGen
FINDS
HIST CORTESE
LUST
CA FID UST
SLIC
UST
HIST UST
SWEEPS UST
HAZNET

1000243102
CAD981380199

RCRA-NonGen:

Date form received by agency: 04/02/2002
Facility name: T R OIL SERVICES L O B
Facility address: 801 WEST 14TH STREET
LONG BEACH, CA 90813
EPA ID: CAD981380199
Mailing address: 2675 JUNIPERO AVE STE 800
SIGNAL HILL, CA 90806
Contact: DEVON BENCH
Contact address: 801 WEST 14TH STREET
LONG BEACH, CA 90813
Contact country: US
Contact telephone: (562) 436-9901
Contact email: Not reported
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported
Owner/operator name: T R OIL SERVICES INC
Owner/operator address: 333 N SAM HOUSTON PKWY NO 900
HOUSTON, TX 77060
Owner/operator country: Not reported
Owner/operator telephone: (281) 447-7728
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): Unknown
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

T R OIL SERVICES LOB (Continued)

1000243102

Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No
Off-site waste receiver:	Verified to be non-commercial

Hazardous Waste Summary:

Waste code:	D001
Waste name:	IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code:	D002
Waste name:	A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Waste code:	D029
Waste name:	1,1-DICHLOROETHYLENE

Waste code:	F001
Waste name:	THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE, AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code:	F003
Waste name:	THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code:	U002
Waste name:	ACETONE (I)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

T R OIL SERVICES LOB (Continued)

1000243102

Waste code: U078
Waste name: 1,1-DICHLOROETHYLENE

Waste code: U165
Waste name: NAPHTHALENE

Waste code: U220
Waste name: BENZENE, METHYL-

Waste code: U227
Waste name: ETHANE, 1,1,2-TRICHLORO-

Violation Status: No violations found

FINDS:

Registry ID: 110002687441

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

CORTESE:

Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 9080130407

LUST:

Region: STATE
Global Id: T0603701954
Latitude: 33.7839377
Longitude: -118.2020612
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 1997-04-04 00:00:00
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Worker: YR
Local Agency: LONG BEACH/SIGNAL HILL, CITIES OF
RB Case Number: 908130407
LOC Case Number: Not reported
File Location: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST REG 4:

Region: 4
Regional Board: 04
County: Los Angeles
facid: 908130407

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

T R OIL SERVICES LOB (Continued)

1000243102

Status: Case Closed
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater
Abatement Method Used at the Site: Not reported
Global ID: T0603701954
W Global ID: Not reported
Staff: UNK
Local Agency: 19060
Cross Street: Not reported
Enforcement Type: Not reported
Date Leak Discovered: 2/3/1989
Date Leak First Reported: 3/4/1989
Date Leak Record Entered: Not reported
Date Confirmation Began: Not reported
Date Leak Stopped: 2/3/1989
Date Case Last Changed on Database: 3/24/1997
Date the Case was Closed: 4/4/1997
How Leak Discovered: Tank Closure
How Leak Stopped: Not reported
Cause of Leak: Corrosion
Leak Source: Tank
Operator: OLD CASE #040689-02
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 16037.927017457114671658614842
Source of Cleanup Funding: Tank
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: 4/6/1989
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: TECHNICAL SERVICES COMPANY
RP Address: SAME AS SITE
Program: LUST
Lat/Long: 33.7839377 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: SOIL TPH (MAX)= 29 MG/KG. G/W @ 10' DEEP.

CA FID UST:

Facility ID: 19056600

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

T R OIL SERVICES LOB (Continued)

1000243102

Regulated By: UTNKA
Regulated ID: 00003103
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 2134369901
Mail To: Not reported
Mailing Address: 801 W 014TH ST
Mailing Address 2: Not reported
Mailing City,St,Zip: LONG BEACH 90813
Contact: Not reported
Contact Phone: Not reported
DUNS Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

SLIC:

Region: STATE
Facility Status: **Open - Assessment & Interim Remedial Action**
Status Date: 2000-10-23 00:00:00
Global Id: SL204EB2404
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number: Not reported
Latitude: 33.783791
Longitude: -118.200043
Case Type: Cleanup Program Site
Case Worker: RE
Local Agency: Not reported
RB Case Number: 0988
File Location: Regional Board
Potential Media Affected: Aquifer used for drinking water supply, Soil
Potential Contaminants of Concern: 1,1,1-Trichloroethane (TCA), Benzene, Diesel, Gasoline
Site History: Not reported

SLIC:

Region: 4
Facility Status: Site Assessment
SLIC: 0988
Substance: TPH/VOCs
Staff: RE

LONG BEACH UST:

Region: LONG BEACH
Tank Code: Not reported
Tank Test: Not reported
Leak Test: Not reported

HIST UST:

Region: STATE
Facility ID: 00000003103
Facility Type: Other
Other Type: Not reported
Total Tanks: 0005
Contact Name: JOHN D. WOODRUFF

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

T R OIL SERVICES LOB (Continued)

1000243102

Telephone: 2134369901
Owner Name: TECHNICAL SERVICE COMPANY
Owner Address: 801 WEST 14TH STREET
Owner City,St,Zip: LONG BEACH, CA 90813

Tank Num: 001
Container Num: 1
Year Installed: 1968
Tank Capacity: 00005000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Tank Construction: 1/4 inches
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: 2
Year Installed: 1978
Tank Capacity: 00001000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Tank Construction: 1/4 inches
Leak Detection: Stock Inventor

Tank Num: 003
Container Num: 3
Year Installed: 1978
Tank Capacity: 00005000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Tank Construction: 1/4 inches
Leak Detection: Stock Inventor

Tank Num: 004
Container Num: 4
Year Installed: 1980
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Tank Construction: 1/4 inches
Leak Detection: Stock Inventor

Tank Num: 005
Container Num: 5
Year Installed: 1965
Tank Capacity: 00001500
Tank Used for: WASTE
Type of Fuel: Not reported
Tank Construction: 6 inches
Leak Detection: None

SWEEPS UST:

Status: A
Comp Number: 3103
Number: 9
Board Of Equalization: 44-013286
Ref Date: 07-01-85
Act Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

T R OIL SERVICES LOB (Continued)

1000243102

Created Date: 02-29-88
Tank Status: A
Owner Tank Id: 1
Swrcb Tank Id: 19-060-003103-000001
Actv Date: 07-01-85
Capacity: 5000
Tank Use: M.V. FUEL
Stg: P
Content: REG UNLEADED
Number Of Tanks: 5

Status: A
Comp Number: 3103
Number: 9
Board Of Equalization: 44-013286
Ref Date: 07-01-85
Act Date: Not reported
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: 2
Swrcb Tank Id: 19-060-003103-000002
Actv Date: 07-01-85
Capacity: 1000
Tank Use: UNKNOWN
Stg: P
Content: Not reported
Number Of Tanks: Not reported

Status: A
Comp Number: 3103
Number: 9
Board Of Equalization: 44-013286
Ref Date: 07-01-85
Act Date: Not reported
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: 3
Swrcb Tank Id: 19-060-003103-000003
Actv Date: 07-01-85
Capacity: 5000
Tank Use: M.V. FUEL
Stg: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: A
Comp Number: 3103
Number: 9
Board Of Equalization: 44-013286
Ref Date: 07-01-85
Act Date: Not reported
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: 4
Swrcb Tank Id: 19-060-003103-000004
Actv Date: 07-01-85
Capacity: 10000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

T R OIL SERVICES LOB (Continued)

1000243102

Tank Use: M.V. FUEL
Stg: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: A
Comp Number: 3103
Number: 9
Board Of Equalization: 44-013286
Ref Date: 07-01-85
Act Date: Not reported
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: 5
Swrcb Tank Id: 19-060-003103-000005
Actv Date: 07-01-85
Capacity: 1500
Tank Use: UNKNOWN
Stg: W
Content: Not reported
Number Of Tanks: Not reported

HAZNET:

Gepaid: CAD981380199
Contact: TECHNICAL SERVICE
Telephone: 5624369901
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 801 W 14TH ST
Mailing City,St,Zip: LONG BEACH, CA 908130000
Gen County: Los Angeles
TSD EPA ID: AZD049318009
TSD County: 99
Waste Category: Unspecified solvent mixture Waste
Disposal Method: Not reported
Tons: .3127
Facility County: Los Angeles

Gepaid: CAD981380199
Contact: TECHNICAL SERVICE
Telephone: 5624369901
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 801 W 14TH ST
Mailing City,St,Zip: LONG BEACH, CA 908130000
Gen County: Los Angeles
TSD EPA ID: AZD049318009
TSD County: 99
Waste Category: Other organic solids
Disposal Method: Transfer Station
Tons: .2500
Facility County: Los Angeles

Gepaid: CAD981380199
Contact: TECHNICAL SERVICE
Telephone: 5624369901
Facility Addr2: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

T R OIL SERVICES LOB (Continued)

1000243102

Mailing Name: Not reported
Mailing Address: 801 W 14TH ST
Mailing City,St,Zip: LONG BEACH, CA 908130000
Gen County: Los Angeles
TSD EPA ID: AZD049318009
TSD County: 99
Waste Category: Other organic solids
Disposal Method: Not reported
Tons: .1625
Facility County: Los Angeles

Gepaid: CAD981380199
Contact: DEVON BENCH
Telephone: 5624369901
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 801 WEST FOURTEENTH STREET
Mailing City,St,Zip: LONG BEACH, CA 908130000
Gen County: Los Angeles
TSD EPA ID: Not reported
TSD County: Los Angeles
Waste Category: Other organic solids
Disposal Method: Recycler
Tons: 1.2
Facility County: Not reported

I36
East
< 1/8
0.081 mi.
427 ft.

CLARIANT CORP
801 W 14TH ST
LONG BEACH, CA 90813

AST A100323455
N/A

Site 2 of 5 in cluster I

Relative:
Lower

AST:
Owner: CLARIANT CORP
Total Gallons: 8,000

Actual:
10 ft.

Certified Unified Program Agencies: Long Beach

D37
East
< 1/8
0.084 mi.
446 ft.

CHEVRON #209725 (2 D/W XERXES 15 & 20M)
0725 W ANAHEIM ST
LONG BEACH, CA

UST U003854693
N/A

Site 2 of 2 in cluster D

Relative:
Lower

LONG BEACH UST:
Region: LONG BEACH
Tank Code: Dual Walled
Tank Test: Dual Walled
Leak Test: Not reported

Actual:
11 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

H38
SSE
< 1/8
0.086 mi.
456 ft.

CALIF. GLASS DIST
790 W 012TH ST LONG BEACH
LONG BEACH, CA 90813

Site 3 of 4 in cluster H

CA FID UST
SWEEPS UST

S101618198
N/A

Relative:
Lower

CA FID UST:

Facility ID: 19056689
Regulated By: UTNKA
Regulated ID: 00046937
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 2134370531
Mail To: Not reported
Mailing Address: 790 W 012TH ST LONG BEACH
Mailing Address 2: Not reported
Mailing City,St,Zip: LONG BEACH 90813
Contact: Not reported
Contact Phone: Not reported
DUNS Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

Actual:
11 ft.

SWEEPS UST:

Status: A
Comp Number: 46937
Number: 9
Board Of Equalization: 44-013559
Ref Date: 07-01-85
Act Date: Not reported
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: 1
Swrcb Tank Id: 19-060-046937-000001
Actv Date: 07-01-85
Capacity: 9940
Tank Use: M.V. FUEL
Stg: P
Content: REG UNLEADED
Number Of Tanks: 1

H39
SE
< 1/8
0.088 mi.
464 ft.

FILE ONLY - CAL PACIFIC
0790 W 12TH ST
LONG BEACH, CA

Site 4 of 4 in cluster H

UST U003659962
N/A

Relative:
Lower

LONG BEACH UST:

Region: LONG BEACH
Tank Code: Not reported
Tank Test: Not reported
Leak Test: Not reported

Actual:
11 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

J40
SE
< 1/8
0.088 mi.
467 ft.

CALIF. GLASS DIST.
790 W. 12TH ST. LONG BEACH
LONG BEACH, CA 90813

Site 1 of 2 in cluster J

HIST UST U001566293
N/A

Relative:
Lower

HIST UST:

Region: STATE
Facility ID: 00000046937
Facility Type: Other
Other Type: GLASS DISTRIBUTOR
Total Tanks: 0001
Contact Name: J. STEIN
Telephone: 2134370531
Owner Name: CAL-PACIFIC WINDSHIELD DBA CAL
Owner Address: 790 W. 12TH ST. LONG BEACH
Owner City,St,Zip: LONG BEACH, CA 90813

Actual:
12 ft.

Tank Num: 001
Container Num: 1
Year Installed: Not reported
Tank Capacity: 00009940
Tank Used for: PRODUCT
Type of Fuel: PREMIUM
Tank Construction: Not reported
Leak Detection: Visual, Stock Inventor

41
West
< 1/8
0.091 mi.
478 ft.

MISRACK J S
949 W ANAHEIM ST
LONG BEACH, CA

EDR Historical Auto Stations 1009049156
N/A

Relative:
Lower

EDR Historical Auto Stations:

Name: SIFTON A D
Year: 1931
Type: GASOLINE AND OIL SERVICE STATIONS

Actual:
0 ft.

Name: MISRACK J S
Year: 1935
Type: GASOLINE AND OIL SERVICE STATIONS

42
East
< 1/8
0.095 mi.
499 ft.

GOODWILL INDUSTRIES
0800 W PACIFIC COAST HWY
LONG BEACH, CA

UST U003661205
HAZNET N/A

Relative:
Higher

LONG BEACH UST:

Region: LONG BEACH
Tank Code: Not reported
Tank Test: Not reported
Leak Test: Not reported

Actual:
13 ft.

HAZNET:

Gepaid: CAL000130701
Contact: GOODWILL INDUSTRIES
Telephone: 0000000000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GOODWILL INDUSTRIES (Continued)

U003661205

Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 800 W PACIFIC COAST HWY
Mailing City,St,Zip: LONG BEACH, CA 908065243
Gen County: Los Angeles
TSD EPA ID: CAT080013352
TSD County: Los Angeles
Waste Category: Waste oil and mixed oil
Disposal Method: Recycler
Tons: 3.1275
Facility County: Los Angeles

**E43
ESE
< 1/8
0.098 mi.
516 ft.**

**RILEY MARINE PRODUCTS
0840 W ESTHER ST
LONG BEACH, CA**

**UST U003660689
HAZNET N/A**

Site 5 of 5 in cluster E

**Relative:
Higher**

LONG BEACH UST:
Region: LONG BEACH
Tank Code: Not reported
Tank Test: Not reported
Leak Test: Not reported

**Actual:
13 ft.**

HAZNET:
Gepaid: CAL000269045
Contact: CARTER MILLER
Telephone: 5624355233
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 840 W ESTHER ST
Mailing City,St,Zip: LONG BEACH, CA 908130000
Gen County: Los Angeles
TSD EPA ID: CAT080033681
TSD County: Los Angeles
Waste Category: Other inorganic solid waste
Disposal Method: Disposal, Land Fill
Tons: 0.02
Facility County: Not reported

Gepaid: CAL000025624
Contact: THERESA ANN RILEY
Telephone: 5624355233
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 840 W ESTHER ST
Mailing City,St,Zip: LONG BEACH, CA 908130000
Gen County: Los Angeles
TSD EPA ID: CAD000088252
TSD County: Los Angeles
Waste Category: Liquids with pH <UN-> 2
Disposal Method: Transfer Station
Tons: .2293
Facility County: Los Angeles

Gepaid: CAL000025624
Contact: THERESA ANN RILEY

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RILEY MARINE PRODUCTS (Continued)

U003660689

Telephone: 5624355233
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 840 W ESTHER ST
Mailing City,St,Zip: LONG BEACH, CA 908130000
Gen County: Los Angeles
TSD EPA ID: CAT080033681
TSD County: Los Angeles
Waste Category: Liquids with pH <UN-> 2
Disposal Method: Recycler
Tons: .2293
Facility County: Los Angeles

Gepaid: CAL000269045
Contact: CARTER MILLER
Telephone: 5624355233
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 840 W ESTHER ST
Mailing City,St,Zip: LONG BEACH, CA 908130000
Gen County: Los Angeles
TSD EPA ID: CAD097030993
TSD County: Los Angeles
Waste Category: Other inorganic solid waste
Disposal Method: Disposal, Land Fill
Tons: 0.05
Facility County: Los Angeles

Gepaid: CAL000025624
Contact: THERESA ANN RILEY
Telephone: 8184879313
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 11239 DELANO STREET
Mailing City,St,Zip: NORTH HOLLYWOOD, CA 916060000
Gen County: Los Angeles
TSD EPA ID: CAT080033681
TSD County: Los Angeles
Waste Category: Other inorganic solid waste
Disposal Method: Disposal, Land Fill
Tons: 0.02
Facility County: Los Angeles

[Click this hyperlink](#) while viewing on your computer to access
9 additional CA_HAZNET: record(s) in the EDR Site Report.

K44
East
< 1/8
0.103 mi.
543 ft.
WEST COAST CHOPPERS
718 ANAHEIM ST W
LONG BEACH, CA 90813
Site 1 of 13 in cluster K

LUST **S104891049**
N/A

Relative: LUST:
Lower Region: STATE
Global Id: T0603701939
Actual: Latitude: 33.7826437
11 ft. Longitude: -118.2009062
Case Type: LUST Cleanup Site

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WEST COAST CHOPPERS (Continued)

S104891049

Status: Open - Site Assessment
Status Date: 2001-02-01 00:00:00
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Worker: JH
Local Agency: LONG BEACH/SIGNAL HILL, CITIES OF
RB Case Number: 908130252
LOC Case Number: Not reported
File Location: Regional Board
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Stoddard solvent / Mineral Sprits / Distillates
Site History: Not reported

LUST REG 4:

Region: 4
Regional Board: 04
County: Los Angeles
facid: 908130252
Status: Preliminary site assessment workplan submitted
Substance: Naphtha Distillate
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater
Abatement Method Used at the Site: Not reported
Global ID: T0603701939
W Global ID: Not reported
Staff: HDN
Local Agency: 19060
Cross Street: OREGON
Enforcement Type: LET
Date Leak Discovered: 3/28/1995
Date Leak First Reported: 5/15/1995
Date Leak Record Entered: 8/28/1995
Date Confirmation Began: Not reported
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 5/15/1995
Date the Case was Closed: Not reported
How Leak Discovered: Subsurface Monitoring
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Operator: FORMER ELLIS PAINT CO
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 16165.193392999348015746985355
Source of Cleanup Funding: UNK
Preliminary Site Assessment Workplan Submitted: 2/1/2001
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: Not reported
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: 2/2/2001
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WEST COAST CHOPPERS (Continued)

S104891049

Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: GORDON
RP Address: 1404 N. DAISY AVE.
Program: LUST
Lat/Long: 33.7826437 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: 3/6/97 - ADDITIONAL INFORMATION LETTER SENT; 5/13/97- 1ST LEVEL
ENFORCEMENT LETTER SENT; 8/8/97 - 2ND LEVEL ENFORCEMENT LETTER SENT

L45
ENE
< 1/8
0.106 mi.
562 ft.
THOMPSON FAMILY TRUST
741 WEST 17 TH STREET
LONG BEACH, CA
Site 1 of 6 in cluster L

SLIC **S106568475**
N/A

Relative:
Higher

SLIC:

Region: STATE
Facility Status: Open - Site Assessment

Actual:
16 ft.

Status Date: 2009-01-20 00:00:00
Global Id: SL0603753707
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number: Not reported
Latitude: 33.787887
Longitude: -118.202137
Case Type: Cleanup Program Site
Case Worker: HJ
Local Agency: Not reported
RB Case Number: 1157
File Location: Regional Board
Potential Media Affected: Aquifer used for drinking water supply
Potential Contaminants of Concern: * Chlorinated Solvents - PCE, * Chlorinated Solvents - TCE, *
Metals/Heavy Metals - Chromium 6

Site History:
The site, located on the north side of West 17th Street between Oregon Ave and San Francisco Ave in the City of Long Beach, is currently a warehouse facility. Previous uses at the site have impacted groundwater at the site with metals and volatile organic compounds.

L46
ENE
< 1/8
0.106 mi.
562 ft.
0741 W 17TH ST
LONG BEACH, CA
Site 2 of 6 in cluster L

UST **U003919709**
N/A

Relative:
Higher

LONG BEACH UST:

Region: LONG BEACH
Tank Code: Not reported
Tank Test: Not reported
Leak Test: Not reported

Actual:
16 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

L47
ENE
< 1/8
0.106 mi.
562 ft.

THOMPSON FAMILY TRUST PROP
741 W 17TH ST
LONG BEACH, CA 90813

Site 3 of 6 in cluster L

RCRA-SQG
HAZNET

1007879224
CAR000158105

Relative:
Higher

RCRA-SQG:

Actual:
16 ft.

Date form received by agency: 10/26/2004
Facility name: THOMPSON FAMILY TRUST PROP
Facility address: 741 W 17TH ST
LONG BEACH, CA 908131414
EPA ID: CAR000158105
Mailing address: 21106 PRESIDENT POINT RD
KINGSTON, WA 98346
Contact: LEE THOMPSON
Contact address: 21106 PRESIDENT POINT RD
KINGSTON, WA 98346
Contact country: US
Contact telephone: 360-297-7893
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: J AND D EXPRESS
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 06/01/1992
Owner/Op end date: Not reported

Owner/operator name: THOMPSON TRUST
Owner/operator address: 21106 PRESIDENT POINT RD
KINGSTON, WA 98346
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 09/15/1999
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THOMPSON FAMILY TRUST PROP (Continued)

1007879224

Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Commercial status unknown

Historical Generators:

Date form received by agency: 10/26/2004

Facility name: THOMPSON FAMILY TRUST PROP

Classification: Small Quantity Generator

Hazardous Waste Summary:

Waste code: D006
Waste name: CADMIUM

Waste code: D007
Waste name: CHROMIUM

Waste code: D039
Waste name: TETRACHLOROETHYLENE

Waste code: D040
Waste name: TRICHLOROETHYLENE

Violation Status: No violations found

HAZNET:

Gepaid: CAR000158105
Contact: LEE THOMPSON
Telephone: 3602977893
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 21106 PRESIDENT POINT RD
Mailing City,St,Zip: KINGSTON, CA 983460000
Gen County: Los Angeles
TSD EPA ID: CAD028409019
TSD County: Los Angeles
Waste Category: Unspecified oil-containing waste
Disposal Method: Transfer Station
Tons: 0.62
Facility County: Not reported

Gepaid: CAR000158105
Contact: LEE THOMPSON
Telephone: 3602977893
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 21106 PRESIDENT POINT RD
Mailing City,St,Zip: KINGSTON, CA 983460000
Gen County: Los Angeles
TSD EPA ID: CAD028409019
TSD County: Los Angeles
Waste Category: Unspecified oil-containing waste
Disposal Method: Transfer Station

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THOMPSON FAMILY TRUST PROP (Continued)

1007879224

Tons: 0.62
Facility County: Not reported

K48
East
< 1/8
0.107 mi.
565 ft.
Relative:
Lower
Actual:
11 ft.

DOUGLAS ROBINSON PROPERTY
718 ANAHEIM
LONG BEACH, CA 90806
Site 2 of 13 in cluster K

HIST CORTESE **S102590610**
N/A

CORTESE:
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 908130252

K49
East
< 1/8
0.107 mi.
565 ft.
Relative:
Lower
Actual:
11 ft.

ELLIS FAMILY TRUST
718 ANAHEIM
LONG BEACH, CA 90813
Site 3 of 13 in cluster K

SLIC **S103546800**
N/A

SLIC:
Region: 4
Facility Status: Inactive
SLIC: 0551
Substance: VOCs
Staff: ACJ

I50
East
< 1/8
0.108 mi.
569 ft.
Relative:
Lower
Actual:
11 ft.

METROPOLITAN CHEMICAL CO
0733 W 14TH ST
LONG BEACH, CA
Site 3 of 5 in cluster I

UST **U003854649**
HAZNET **N/A**

LONG BEACH UST:
Region: LONG BEACH
Tank Code: Not reported
Tank Test: Not reported
Leak Test: Not reported

HAZNET:
Gepaid: CAC002551611
Contact: Paul Parsons
Telephone: 5624333667
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 733 W 14th St
Mailing City,St,Zip: LONG BEACH, CA 90813
Gen County: Los Angeles
TSD EPA ID: Not reported
TSD County: 99
Waste Category: Not reported
Disposal Method: Not reported
Tons: 0.20

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

METROPOLITAN CHEMICAL CO (Continued)

U003854649

Facility County: Not reported

Gepaid: CAC002551611
Contact: Paul Parsons
Telephone: 5624333667
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 733 W 14th St
Mailing City,St,Zip: LONG BEACH, CA 90813
Gen County: Los Angeles
TSD EPA ID: Not reported
TSD County: 99
Waste Category: Unspecified oil-containing waste
Disposal Method: Recycler
Tons: 0.22
Facility County: Not reported

M51
ESE
< 1/8
0.109 mi.
576 ft.

0820 W ESTHER ST
LONG BEACH, CA
Site 1 of 4 in cluster M

UST U003919981
N/A

Relative:
Lower

LONG BEACH UST:
Region: LONG BEACH
Tank Code: Not reported
Tank Test: Not reported
Leak Test: Not reported

Actual:
12 ft.

M52
ESE
< 1/8
0.109 mi.
576 ft.

WESTERN ELECTROPLATING COMPANY
820 WEST ESTHER STREET
LONG BEACH, CA 90813
Site 2 of 4 in cluster M

ENVIROSTOR S101480784
N/A

Relative:
Lower

ENVIROSTOR:
Site Type: Historical
Site Type Detailed: * Historical
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: * MMONROY
Division Branch: Cypress
Facility ID: 19340289
Site Code: Not reported
Assembly: 55
Senate: 25
Special Program: * Site Char & Assess Grant (CERCLA 104)
Status: Refer: Other Agency
Status Date: 9/1/1985
Restricted Use: NO
Site Mgmt. Req.: NONE SPECIFIED
Funding: Not reported
Latitude: 33.788586296274701

Actual:
12 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WESTERN ELECTROPLATING COMPANY (Continued)

S101480784

Longitude: -118.202562517952
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: 10009, 10193, 10194, 10197
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: ELECTRIC MOTOR REPAIR
Alias Type: Alternate Name
Alias Name: 19340289
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 1982-01-05 00:00:00
Comments: FACILITY IDENTIFIED LA CHAM OF COMM BUS DIR 1958 INSPECTION(FED)
REPLATING AUTO PARTS

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 1995-01-18 00:00:00
Comments: DATABASE VALIDATION PROGRAM CONFIRMS NFA FOR DTSC.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

G53
East
< 1/8
0.111 mi.
587 ft.

MESA ENVIRONMENTAL SVCS INC
721 W 15TH ST
LONG BEACH, CA 90813

RCRA-NonGen **1000904945**
FINDS **CA0000206599**

Site 6 of 6 in cluster G

Relative:
Higher

RCRA-NonGen:

Date form received by agency: 05/02/2000

Facility name: MESA ENVIRONMENTAL SVCS INC

Facility address: 721 W 15TH ST
LONG BEACH, CA 90813

EPA ID: CA0000206599

Contact: ANGELA BUTLER

Contact address: P O BOX 9128
LONG BEACH, CA 908100128

Contact country: US

Contact telephone: (562) 901-3470

Contact email: Not reported

EPA Region: 09

Classification: Non-Generator

Description: Handler: Non-Generators do not presently generate hazardous waste

Actual:
14 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MESA ENVIRONMENTAL SVCS INC (Continued)

1000904945

Owner/Operator Summary:

Owner/operator name: JOE M ORTEGA
Owner/operator address: P O BOX 9128
LONG BEACH, CA 90810
Owner/operator country: Not reported
Owner/operator telephone: (310) 901-3470
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): Unknown
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Verified to be non-commercial

Violation Status: No violations found

FINDS:

Registry ID: 110002615563

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

I54
East
< 1/8
0.114 mi.
602 ft.

ENVIRONMENTAL SERVS DIV
716 W 14TH ST
LONG BEACH, CA 90813
Site 4 of 5 in cluster I

RCRA-NonGen **1000261664**
FINDS **CAD069926251**

Relative:
Lower

RCRA-NonGen:
Date form received by agency: 03/08/1983
Facility name: ENVIRONMENTAL SERVS DIV
Facility address: 716 W 14TH ST
LONG BEACH, CA 90813
EPA ID: CAD069926251
Contact: ENVIRONMENTAL MANAGER

Actual:
11 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ENVIRONMENTAL SERVS DIV (Continued)

1000261664

Contact address: 716 W FOURTEEN ST
LONG BEACH, CA 90813
Contact country: US
Contact telephone: (213) 435-4868
Contact email: Not reported
EPA Region: 09
Land type: Facility is not located on Indian land. Additional information is not known.
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): Unknown
Recycler of hazardous waste: No
Transporter of hazardous waste: Yes
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Verified to be non-commercial

Facility Has Received Notices of Violations:

Regulation violated: Not reported
Area of violation: Generators - Records/Reporting
Date violation determined: 05/25/2005
Date achieved compliance: 08/23/2005
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ENVIRONMENTAL SERVS DIV (Continued)

1000261664

Enforcement action date: 05/25/2005
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 05/25/2005
Date achieved compliance: 05/30/2005
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/25/2005
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 262.10-12.A
Area of violation: Generators - General
Date violation determined: 03/15/1985
Date achieved compliance: 06/18/1985
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 05/25/2005
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 05/30/2005
Evaluation lead agency: State

Evaluation date: 05/25/2005
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Records/Reporting
Date achieved compliance: 08/23/2005
Evaluation lead agency: State

Evaluation date: 08/07/1985
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/07/1985
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ENVIRONMENTAL SERVS DIV (Continued)

1000261664

Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/15/1985
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Generators - General
Date achieved compliance: 06/18/1985
Evaluation lead agency: State

Evaluation date: 03/15/1985
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

FINDS:

Registry ID: 110002655920

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

**M55
ESE
< 1/8
0.115 mi.
606 ft.**

**WESTERN ELECTROPLATING INCORPORATED
840 WEST ESTHER STREET
LONG BEACH, CA 90813**

Site 3 of 4 in cluster M

**CERC-NFRAP 1000402996
RCRA-NonGen CAD008501215
FINDS
HIST UST**

**Relative:
Lower**

CERC-NFRAP:
Site ID: 0901116
Federal Facility: Not a Federal Facility
NPL Status: Not on the NPL
Non NPL Status: NFRAP

**Actual:
12 ft.**

CERCLIS-NFRAP Site Contact Name(s):

Contact Title: Not reported
Contact Name: Carl Brickner
Contact Tel: (415) 972-3814

Contact Title: Not reported
Contact Name: Brunilda Davila
Contact Tel: (415) 972-3162

Contact Title: Not reported
Contact Name: Jeff Inglis
Contact Tel: (415) 972-3095

Contact Title: Not reported
Contact Name: Karen Jurist
Contact Tel: (415) 972-3219

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WESTERN ELECTROPLATING INCORPORATED (Continued)

1000402996

Contact Title: Not reported
Contact Name: Matt Mitguard
Contact Tel: (415) 972-3096

CERCLIS-NFRAP Site Alias Name(s):

Alias Name: WESTERN ELECTROPLATING CO (OWNER & OPER)
Alias Address: 1000 S PETROLIA AVE
COMPTON, CA 90221

CERCLIS-NFRAP Assessment History:

Action: DISCOVERY
Date Started: Not reported
Date Completed: 11/01/1985
Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT
Date Started: 09/01/1985
Date Completed: 02/01/1986
Priority Level: NFRAP: No further Remedial Action planned

Action: ARCHIVE SITE
Date Started: Not reported
Date Completed: 02/01/1986
Priority Level: Not reported

RCRA-NonGen:

Date form received by agency: 08/18/1980
Facility name: WESTERN ELECTROPLATING, INC.
Facility address: 840 W ESTHER ST
LONG BEACH, CA 90813
EPA ID: CAD008501215
Mailing address: W ESTHER ST
LONG BEACH, CA 90813
Contact: ENVIRONMENTAL MANAGER
Contact address: 840 W ESTHER ST
LONG BEACH, CA 90813
Contact country: US
Contact telephone: (213) 436-9975
Contact email: Not reported
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: WESTERN ELECTROPLATING, INC.
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WESTERN ELECTROPLATING INCORPORATED (Continued)

1000402996

Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): Unknown
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Verified to be non-commercial

Violation Status: No violations found

FINDS:

Registry ID: 110002634560

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HIST UST:

Region: STATE
Facility ID: 00000007824
Facility Type: Other
Other Type: ELECTRO PLATING
Total Tanks: 0001
Contact Name: Not reported
Telephone: 2134369975
Owner Name: WESTERN ELECTRO PLATING CO
Owner Address: 820 W. ESTHER ST
Owner City,St,Zip: LONG BEACH, CA 90813

Tank Num: 001
Container Num: 1
Year Installed: 1976

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WESTERN ELECTROPLATING INCORPORATED (Continued)

1000402996

Tank Capacity: 00000750
Tank Used for: WASTE
Type of Fuel: Not reported
Tank Construction: Not reported
Leak Detection: None

N56
East
< 1/8
0.118 mi.
622 ft.

PACIFIC X-RAY CO
0711 W 16TH ST
LONG BEACH, CA

UST **U003659998**
N/A

Site 1 of 6 in cluster N

Relative:
Higher

LONG BEACH UST:

Region: LONG BEACH
Tank Code: Not reported
Tank Test: Not reported
Leak Test: Not reported

Actual:
15 ft.

N57
East
< 1/8
0.120 mi.
635 ft.

R G STEPHENS ENGINEERING & EQUIP
0707 W 16TH ST
LONG BEACH, CA

UST **U003659997**
N/A

Site 2 of 6 in cluster N

Relative:
Higher

LONG BEACH UST:

Region: LONG BEACH
Tank Code: Not reported
Tank Test: Not reported
Leak Test: Not reported

Actual:
15 ft.

N58
East
< 1/8
0.120 mi.
635 ft.

CHUCKS ELECTRONIC
707 W 16TH ST
LONG BEACH, CA 90805

CA FID UST **S101584840**
SWEEPS UST **N/A**

Site 3 of 6 in cluster N

Relative:
Higher

CA FID UST:

Facility ID: 19016192
Regulated By: UTKNI
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 2134327266
Mail To: Not reported
Mailing Address: 707 W 16TH ST
Mailing Address 2: Not reported
Mailing City,St,Zip: LONG BEACH 90805
Contact: Not reported
Contact Phone: Not reported
DUNS Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Inactive

Actual:
15 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHUCKS ELECTRONIC (Continued)

S101584840

SWEEPS UST:

Status: Not reported
Comp Number: 1004
Number: Not reported
Board Of Equalization: Not reported
Ref Date: Not reported
Act Date: Not reported
Created Date: Not reported
Tank Status: Not reported
Owner Tank Id: Not reported
Swrcb Tank Id: 19-060-001004-000001
Actv Date: Not reported
Capacity: 1000
Tank Use: EMPTY
Stg: PRODUCT
Content: Not reported
Number Of Tanks: 1

N59
East
< 1/8
0.120 mi.
635 ft.

WARD-DEKAY TRANSPORTATION SVCS
707 W 16TH ST
LONG BEACH, CA 90813

RCRA-NonGen 1000184274
CAD982491698

Site 4 of 6 in cluster N

Relative:
Higher

RCRA-NonGen:

Date form received by agency: 06/13/1990
Facility name: WARD-DEKAY TRANSPORTATION SVCS
Facility address: 707 W 16TH ST
LONG BEACH, CA 90813
EPA ID: CAD982491698
Contact: ENVIRONMENTAL MANAGER
Contact address: 707 W SIXTEEN ST
LONG BEACH, CA 90813
Contact country: US
Contact telephone: (213) 432-7266
Contact email: Not reported
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Actual:
15 ft.

Owner/Operator Summary:

Owner/operator name: CHARLES M WARD JR
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WARD-DEKAY TRANSPORTATION SVCS (Continued)

1000184274

Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): Unknown
Recycler of hazardous waste: No
Transporter of hazardous waste: Yes
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Verified to be non-commercial

Violation Status: No violations found

N60
East
< 1/8
0.120 mi.
635 ft.
WARD BARKER
707 W 16TH ST
LONG BEACH, CA 90813
Site 5 of 6 in cluster N

RCRA-NonGen
PADS
FINDS
1000182681
CAD981571177

Relative:
Higher

RCRA-NonGen:

Actual:
15 ft.

Date form received by agency: 08/01/1997
Facility name: WARD BARKER
Facility address: 707 W 16TH ST
LONG BEACH, CA 90813
EPA ID: CAD981571177
Mailing address: W 16TH ST
LONG BEACH, CA 90813
Contact: BENNIE BARKER
Contact address: 707 W 16TH ST
LONG BEACH, CA 90813
Contact country: US
Contact telephone: (213) 432-7266
Contact email: Not reported
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: WARD CHARLES
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WARD BARKER (Continued)

1000182681

Owner/operator name: WARD BARKER INC
Owner/operator address: 707 W 16TH ST
LONG BEACH, CA 90813
Owner/operator country: Not reported
Owner/operator telephone: (213) 432-7266
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): Unknown
Recycler of hazardous waste: No
Transporter of hazardous waste: Yes
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Verified to be non-commercial

Historical Generators:

Date form received by agency: 09/25/1986
Facility name: WARD BARKER
Classification: Small Quantity Generator

Violation Status: No violations found

PADS:

EPAID: CAD981571177
Facility name: WARD BARKER INC
Facility Address: 707 W 16TH ST
LONG BEACH, CA 90813
Facility country: US
Generator: No
Storer: No
Transporter: Yes
Disposer: No
Research facility: No
Smelter: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WARD BARKER (Continued)

1000182681

Facility owner name: CHARLES M WARD JR
Contact title: Not reported
Contact name: DEKAY BERNIE A
Contact tel: (213)432-7266
Contact extension: Not reported
Mailing address: 707 W 16TH ST
LONG BEACH, CA 90813
Mailing country: US
Cert. title: Not reported
Cert. name: Not reported
Cert. date: 4/27/1990
Date received: 8/26/1990

FINDS:

Registry ID: 110002717935

Environmental Interest/Information System

NCDB (National Compliance Data Base) supports implementation of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and the Toxic Substances Control Act (TSCA). The system tracks inspections in regions and states with cooperative agreements, enforcement actions, and settlements.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

O61
East
< 1/8
0.120 mi.
635 ft.

HENDERSON & COMPANY
0703 W COWLES ST
LONG BEACH, CA

UST U003660594
N/A

Site 1 of 5 in cluster O

Relative:
Higher

LONG BEACH UST:
Region: LONG BEACH
Tank Code: Not reported
Tank Test: Not reported
Leak Test: Not reported

Actual:
15 ft.

K62
East
< 1/8
0.123 mi.
651 ft.

VACANT
0710 W ANAHEIM ST
LONG BEACH, CA

UST U003854692
N/A

Site 4 of 13 in cluster K

Relative:
Lower

LONG BEACH UST:
Region: LONG BEACH
Tank Code: Not reported
Tank Test: Not reported
Leak Test: Not reported

Actual:
11 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

O63

East
< 1/8
0.124 mi.
656 ft.

1451 OREGON AVE
LONG BEACH, CA
Site 2 of 5 in cluster O

UST U003920173
N/A

Relative:
Higher

LONG BEACH UST:
Region: LONG BEACH
Tank Code: Not reported
Tank Test: Not reported
Leak Test: Not reported

Actual:
15 ft.

K64

East
< 1/8
0.124 mi.
656 ft.

NOVA TECHNO CORPORATION
1368 OREGON AVENUE
LONG BEACH, CA 90058
Site 5 of 13 in cluster K

RCRA-LQG 1007198916
CAD066662503

Relative:
Lower

RCRA-LQG:
Date form received by agency: 03/04/1999
Facility name: NOVA TECHNO CORPORATION
Facility address: 1368 OREGON AVENUE
LONG BEACH, CA 90058
EPA ID: CAD066662503
Contact: AMY PONZIO
Contact address: Not reported
Not reported
Contact country: Not reported
Contact telephone: (562) 599-2497
Contact email: Not reported
EPA Region: 09
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Actual:
11 ft.

Handler Activities Summary:

U.S. importer of hazardous waste: Unknown
Mixed waste (haz. and radioactive): Unknown
Recycler of hazardous waste: Unknown
Transporter of hazardous waste: Unknown
Treater, storer or disposer of HW: No
Underground injection activity: Unknown
On-site burner exemption: Unknown
Furnace exemption: Unknown
Used oil fuel burner: Unknown
Used oil processor: Unknown
User oil refiner: Unknown
Used oil fuel marketer to burner: Unknown
Used oil Specification marketer: Unknown

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NOVA TECHNO CORPORATION (Continued)

1007198916

Used oil transfer facility: Unknown
Used oil transporter: Unknown
Off-site waste receiver: Verified to be non-commercial

Violation Status: No violations found

K65
East
< 1/8
0.124 mi.
656 ft.

NOVA TECHNO CORPORATION
1368 OREGON ST
LONG BEACH, CA 90813

SLIC S106483765
N/A

Site 6 of 13 in cluster K

Relative:
Lower

SLIC:

Region:

STATE

Facility Status:

Completed - Case Closed

Actual:
11 ft.

Status Date:

2003-10-23 00:00:00

Global Id:

SL184691452

Lead Agency:

LOS ANGELES RWQCB (REGION 4)

Lead Agency Case Number:

Not reported

Latitude:

33.8038112212478

Longitude:

-118.164083698727

Case Type:

Cleanup Program Site

Case Worker:

RE

Local Agency:

Not reported

RB Case Number:

0624

File Location:

Not reported

Potential Media Affected:

Not reported

Potential Contaminants of Concern:

Not reported

Site History:

Not reported

K66
East
< 1/8
0.124 mi.
656 ft.

NOVA TECHNO CORPORATION
1368 OREGON AVE
LONG BEACH, CA 90813

SWEEPS UST 1007248783
N/A

Site 7 of 13 in cluster K

Relative:
Lower

SWEEPS UST:

Status:

A

Comp Number:

6617

Actual:
11 ft.

Number:

9

Board Of Equalization:

44-013367

Ref Date:

07-01-85

Act Date:

Not reported

Created Date:

02-29-88

Tank Status:

A

Owner Tank Id:

1

Swrcb Tank Id:

19-060-006617-000001

Actv Date:

07-01-85

Capacity:

2000

Tank Use:

UNKNOWN

Stg:

P

Content:

Not reported

Number Of Tanks:

2

Status:

A

Comp Number:

6617

Number:

9

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NOVA TECHNO CORPORATION (Continued)

1007248783

Board Of Equalization: 44-013367
Ref Date: 07-01-85
Act Date: Not reported
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: 2
Swrcb Tank Id: 19-060-006617-000002
Actv Date: 07-01-85
Capacity: 800
Tank Use: UNKNOWN
Stg: P
Content: Not reported
Number Of Tanks: Not reported

K67
East
< 1/8
0.124 mi.
656 ft.

NOVA TECHNO CORP
1368 OREGON AVE
LONG BEACH, CA
Site 8 of 13 in cluster K

CA FID UST **1000143314**
SLIC **N/A**
UST
HIST UST
HAZNET

Relative:
Lower

CA FID UST:
Facility ID: 19029718
Regulated By: UTNKA
Regulated ID: 00006617
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 2135992497
Mail To: Not reported
Mailing Address: 1368 OREGON AVE
Mailing Address 2: Not reported
Mailing City,St,Zip: LONG BEACH 90813
Contact: Not reported
Contact Phone: Not reported
DUNS Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

Actual:
11 ft.

SLIC:
Region: 4
Facility Status: No further action required
SLIC: 0624
Substance: Cr
Staff: RE

LONG BEACH UST:
Region: LONG BEACH
Tank Code: Not reported
Tank Test: Not reported
Leak Test: Not reported

HIST UST:
Region: STATE
Facility ID: 00000006617
Facility Type: Other

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NOVA TECHNO CORP (Continued)

1000143314

Other Type: CHROME PLATING
Total Tanks: 0003
Contact Name: SAM P. PONZIO,
Telephone: 2135992497
Owner Name: NOVA TECHNO CORPORATION
Owner Address: 1368 OREGON AVE.
Owner City,St,Zip: LONG BEACH, CA 90813

Tank Num: 001
Container Num: 1
Year Installed: 1974
Tank Capacity: 00002000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Tank Construction: 1/4" inches
Leak Detection: Visual

Tank Num: 002
Container Num: 2
Year Installed: 1978
Tank Capacity: 00000800
Tank Used for: PRODUCT
Type of Fuel: Not reported
Tank Construction: 1/4" inches
Leak Detection: Visual

Tank Num: 003
Container Num: 3
Year Installed: 1972
Tank Capacity: 00002000
Tank Used for: WASTE
Type of Fuel: Not reported
Tank Construction: 6 inches
Leak Detection: Visual

HAZNET:

Gepaid: CAD066662503
Contact: NOVA TECHNO CORPORATION
Telephone: 5625992497
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 1368 OREGON AVE
Mailing City,St,Zip: LONG BEACH, CA 908131425
Gen County: Los Angeles
TSD EPA ID: CAD097030993
TSD County: Los Angeles
Waste Category: Liquids with chromium (VI) > 500 mg/l
Disposal Method: Treatment, Tank
Tons: 3.7530
Facility County: Los Angeles

Gepaid: CAD066662503
Contact: NOVA TECHNO CORPORATION
Telephone: 5625992497
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 1368 OREGON AVE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NOVA TECHNO CORP (Continued)

1000143314

Mailing City,St,Zip: LONG BEACH, CA 908131425
Gen County: Los Angeles
TSD EPA ID: AZD049318009
TSD County: 99
Waste Category: Other inorganic solid waste
Disposal Method: Transfer Station
Tons: 1.6043
Facility County: Los Angeles

Gepaid: CAD066662503
Contact: NOVA TECHNO CORPORATION
Telephone: 5625992497
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 1368 OREGON AVE
Mailing City,St,Zip: LONG BEACH, CA 908131425
Gen County: Los Angeles
TSD EPA ID: AZD049318009
TSD County: 99
Waste Category: Other inorganic solid waste
Disposal Method: Not reported
Tons: .3250
Facility County: Los Angeles

Gepaid: CAD066662503
Contact: NOVA TECHNO CORPORATION
Telephone: 5625992497
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 1368 OREGON AVE
Mailing City,St,Zip: LONG BEACH, CA 908131425
Gen County: Los Angeles
TSD EPA ID: CAT080033681
TSD County: Los Angeles
Waste Category: Other inorganic solid waste
Disposal Method: Disposal, Other
Tons: 1.0928
Facility County: Los Angeles

Gepaid: CAD066662503
Contact: NOVA TECHNO CORPORATION
Telephone: 5625992497
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 1368 OREGON AVE
Mailing City,St,Zip: LONG BEACH, CA 908131425
Gen County: Los Angeles
TSD EPA ID: CAT080033681
TSD County: Los Angeles
Waste Category: Liquids with chromium (VI) > 500 mg/l
Disposal Method: Disposal, Other
Tons: .2500
Facility County: Los Angeles

[Click this hyperlink](#) while viewing on your computer to access
13 additional CA_HAZNET: record(s) in the EDR Site Report.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

J68
SE
1/8-1/4
0.125 mi.
661 ft.

ELLIS PAINT CO
1200 OREGON AVE
LONG BEACH, CA 90813

Site 2 of 2 in cluster J

RCRA-SQG
FINDS
HAZNET

1000455513
CAD982495038

Relative:
Higher

RCRA-SQG:

Actual:
13 ft.

Date form received by agency: 07/16/1990
Facility name: ELLIS PAINT CO
Facility address: 1200 OREGON AVE
LONG BEACH, CA 90813
EPA ID: CAD982495038
Mailing address: OREGON AVE
LONG BEACH, CA 90813
Contact: ENVIRONMENTAL MANAGER
Contact address: 1200 OREGON AVE
LONG BEACH, CA 90813
Contact country: US
Contact telephone: (213) 486-8225
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: ROBERT O BERG
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): Unknown
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ELLIS PAINT CO (Continued)

1000455513

Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Verified to be non-commercial

Violation Status: No violations found

FINDS:

Registry ID: 110002831071

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZNET:

Gepaid: CAD982495038
Contact: ELLIS PAINT CO
Telephone: 2132618114
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 1200 OREGON AVE
Mailing City,St,Zip: LONG BEACH, CA 908132827
Gen County: Los Angeles
TSD EPA ID: CAD008252405
TSD County: Los Angeles
Waste Category: Paint sludge
Disposal Method: Treatment, Incineration
Tons: .0200
Facility County: Los Angeles

Gepaid: CAD982495038
Contact: ELLIS PAINT CO
Telephone: 2132618114
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 1200 OREGON AVE
Mailing City,St,Zip: LONG BEACH, CA 908132827
Gen County: Los Angeles
TSD EPA ID: CAD008252405
TSD County: Los Angeles
Waste Category: Aqueous solution with 10% or more total organic residues
Disposal Method: Recycler
Tons: .0625
Facility County: Los Angeles

Gepaid: CAD982495038
Contact: ELLIS PAINT CO

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ELLIS PAINT CO (Continued)

1000455513

Telephone: 2132618114
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 1200 OREGON AVE
Mailing City,St,Zip: LONG BEACH, CA 908132827
Gen County: Los Angeles
TSD EPA ID: CAD008252405
TSD County: Los Angeles
Waste Category: Unspecified solvent mixture Waste
Disposal Method: Recycler
Tons: .9005
Facility County: Los Angeles

Gepaid: CAD982495038
Contact: ELLIS PAINT CO
Telephone: 2132618114
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 1200 OREGON AVE
Mailing City,St,Zip: LONG BEACH, CA 908132827
Gen County: Los Angeles
TSD EPA ID: CAD008252405
TSD County: Los Angeles
Waste Category: Other organic solids
Disposal Method: Transfer Station
Tons: .2400
Facility County: Los Angeles

Gepaid: CAD982495038
Contact: ELLIS PAINT CO
Telephone: 2132618114
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 1200 OREGON AVE
Mailing City,St,Zip: LONG BEACH, CA 908132827
Gen County: Los Angeles
TSD EPA ID: CAD008252405
TSD County: Los Angeles
Waste Category: Other organic solids
Disposal Method: Treatment, Incineration
Tons: .2500
Facility County: Los Angeles

[Click this hyperlink](#) while viewing on your computer to access
18 additional CA_HAZNET: record(s) in the EDR Site Report.

I69
East
1/8-1/4
0.126 mi.
663 ft.

CARAVAN MANUFACTURING CO INC
1424 OREGON AVE
LONG BEACH, CA
Site 5 of 5 in cluster I

UST **U003661147**
N/A

Relative:
Higher

LONG BEACH UST:
Region: LONG BEACH
Tank Code: Not reported
Tank Test: Not reported
Leak Test: Not reported

Actual:
15 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

P70
East
1/8-1/4
0.126 mi.
664 ft.
LOEM'S SPORTS WEAR
1501 OREGON AVE
LONG BEACH, CA
Site 1 of 3 in cluster P

UST **U003661150**
N/A

Relative: LONG BEACH UST:
Higher Region: LONG BEACH
Tank Code: Not reported
Actual: Tank Test: Not reported
13 ft. Leak Test: Not reported

L71
ENE
1/8-1/4
0.126 mi.
667 ft.
CITY TOW SERVICE
704 W 17TH ST
LONG BEACH, CA 90813
Site 4 of 6 in cluster L

RCRA-NonGen **1000440841**
FINDS **CAD982047722**
HAZNET

Relative: RCRA-NonGen:
Higher Date form received by agency: 06/28/1999
Facility name: CITY TOW SERVICE
Actual: Facility address: 704 W 17TH ST
16 ft. LONG BEACH, CA 90813
EPA ID: CAD982047722
Contact: BEN SHAFIEE
Contact address: 704 W 17TH ST
LONG BEACH, CA 90813
Contact country: US
Contact telephone: (562) 432-0941
Contact email: Not reported
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: EDELROMAX
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): Unknown
Recycler of hazardous waste: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CITY TOW SERVICE (Continued)

1000440841

Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Verified to be non-commercial

Violation Status: No violations found

FINDS:

Registry ID: 110002787271

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZNET:

Gepaid: CAL000105558
Contact: BEN SHAFIEE/ GM
Telephone: 5624320941
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 704 W 17TH ST
Mailing City,St,Zip: LONG BEACH, CA 908131415
Gen County: Los Angeles
TSD EPA ID: CAD097030993
TSD County: Los Angeles
Waste Category: Other organic solids
Disposal Method: H141
Tons: 0.15
Facility County: Los Angeles

Gepaid: CAL000105558
Contact: BEN SHAFIEE/ GM
Telephone: 5624320941
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 704 W 17TH ST
Mailing City,St,Zip: LONG BEACH, CA 908131415
Gen County: Los Angeles
TSD EPA ID: CAD097030993
TSD County: Los Angeles
Waste Category: Other organic solids
Disposal Method: Transfer Station

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CITY TOW SERVICE (Continued)

1000440841

Tons: 0.12
Facility County: Los Angeles

Gepaid: CAD982047722
Contact: EDELROMAX CORP
Telephone: 0000000000
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 704 W 17TH ST
Mailing City,St,Zip: LONG BEACH, CA 908131415
Gen County: Los Angeles
TSD EPA ID: CAD093459485
TSD County: Fresno
Waste Category: Organic liquids with metals Alkaline solution (pH <UN-> 12.5) with metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc)

Disposal Method: Transfer Station
Tons: .0417
Facility County: Los Angeles

Gepaid: CAD982047722
Contact: EDELROMAX CORP
Telephone: 0000000000
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 704 W 17TH ST
Mailing City,St,Zip: LONG BEACH, CA 908131415
Gen County: Los Angeles
TSD EPA ID: CAT000613893
TSD County: Los Angeles
Waste Category: Aqueous solution with less than 10% total organic residues
Disposal Method: Transfer Station
Tons: .1250
Facility County: Los Angeles

Gepaid: CAL000105558
Contact: BEN SHAFIEE/ GM
Telephone: 5624320941
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 704 W 17TH ST
Mailing City,St,Zip: LONG BEACH, CA 908131415
Gen County: Los Angeles
TSD EPA ID: CAD097030993
TSD County: Los Angeles
Waste Category: Other organic solids
Disposal Method: H141
Tons: 0.5
Facility County: Los Angeles

[Click this hyperlink](#) while viewing on your computer to access additional CA_HAZNET: detail in the EDR Site Report.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

O72
East
1/8-1/4
0.127 mi.
672 ft.
DYNATRON ELECTRIC CO. INC.
1492 OREGON AVE
LONG BEACH, CA
Site 3 of 5 in cluster O

UST **U003661149**
N/A

Relative: LONG BEACH UST:
Higher Region: LONG BEACH
Tank Code: Not reported
Actual: Tank Test: Not reported
14 ft. Leak Test: Not reported

N73
East
1/8-1/4
0.128 mi.
674 ft.
BOLA CHEMICALS
1524 OREGON AVE
LONG BEACH, CA 90813
Site 6 of 6 in cluster N

RCRA-SQG **1000141830**
FINDS **CAD982023061**

Relative: RCRA-SQG:
Higher Date form received by agency: 08/11/1987
Facility name: BOLA CHEMICALS
Actual: Facility address: 1524 OREGON AVE
13 ft. LONG BEACH, CA 90813
EPA ID: CAD982023061
Mailing address: OREGON AVE
LONG BEACH, CA 90813
Contact: ENVIRONMENTAL MANAGER
Contact address: 1524 OREGON AVE
LONG BEACH, CA 90813
Contact country: US
Contact telephone: (213) 491-5774
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: BOLA CHEMICALS
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported
Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BOLA CHEMICALS (Continued)

1000141830

Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): Unknown
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Verified to be non-commercial

Violation Status: No violations found

FINDS:

Registry ID: 110002779510

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

L74
ENE
1/8-1/4
0.129 mi.
679 ft.

0700 W 17TH ST
LONG BEACH, CA
Site 5 of 6 in cluster L

UST U003919708
N/A

Relative:
Higher

LONG BEACH UST:
Region: LONG BEACH
Tank Code: Not reported
Tank Test: Not reported
Leak Test: Not reported

Actual:
16 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

K75
East
1/8-1/4
0.129 mi.
679 ft.

SOFT WATER LAUNDRY & DRY CLEAN- ERS
702 W ANAHEIM ST
LONG BEACH, CA

EDR Historical Cleaners

1009141824
N/A

Site 9 of 13 in cluster K

Relative:
Lower

EDR Historical Cleaners:

Name: SOFT WATER LAUNDRY CO
Year: 1920
Type: LAUNDRIES

Actual:
11 ft.

Name: SOFT WATER LAUNDRY
Year: 1924
Type: LAUNDRIES

Name: SOFT WATER LAUNDRY CO
Year: 1931
Type: LAUNDRIES-STEAM

Name: SOFT WATER LAUNDRY CO
Year: 1935
Type: LAUNDRIES STEAM

Name: SOFT WATER LAUNDRY CO
Year: 1935
Type: LAUNDRIES-STEAM

Name: SOFT WATER LAUNDRY CO
Year: 1939
Type: LAUNDRIES STEAM

Name: SOFT WATER LAUNDRY CO
Year: 1939
Type: LAUNDRIES-STEAM

Name: SOFT WATER LAUNDRY CO
Year: 1944
Type: LAUNDRIES-STEAM

Name: SOFT WATER LAUNDRY CO
Year: 1944
Type: CLOTHES PRESSERS AND CLEANERS

Name: SOFT WATER LAUNDRY CO
Year: 1944
Type: CLOTHES PRESSERS AND CLEANERS

Name: SOFT WATER LAUNDRY CO
Year: 1944
Type: LAUNDRIES STEAM

Name: SOFT WATER LAUNDRY CO
Year: 1948
Type: DRY CLEANERS

Name: LFT WATER LAUNDRY CO
Year: 1948
Type: CLOTHES PRESSERS AND CLEANERS

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SOFT WATER LAUNDRY & DRY CLEAN- ERS (Continued)

1009141824

Name:	LFT WATER LAUNDRY CO
Year:	1948
Type:	CLOTHES PRESSERS AND CLEANERS
Name:	SOFT WATER LAUNDRY CO
Year:	1948
Type:	DRY CLEANERS
Name:	SOFT WATER LAUNDRY CO
Year:	1948
Type:	LAUNDRIES STEAM
Name:	SOFT WATER LAUNDRY CO
Year:	1948
Type:	LAUNDRIES STEAM
Name:	SOFT WATER LAUNDRY AND DRY CLEAN- ING CO
Year:	1952
Type:	LAUNDRIES - STEAM
Name:	SOFT WATER LAUNDRY & DRY CLEANING CO
Year:	1952
Type:	DRY CLEANERS
Name:	SOFT WATER LAUNDRY & DRY CLEANING CO
Year:	1952
Type:	CLEANERS GARMENTS, CURTAINS AND DRAPERIES
Name:	SOFT WATER LAUNDRY & DRY CLEAN- ING CO
Year:	1952
Type:	CLEANERS AND DYERS
Name:	SOFT WATER LAUNDRY & DRY CLEAN- ING CO
Year:	1957
Type:	LAUNDRIES
Name:	SOFT WATER LAUNDRY & DRY CLEAN- ING CO
Year:	1957
Type:	CALIF CLEANERS AND DYERS
Name:	SOFT WATER LAUNDRY & DRY CLEAN- ERS
Year:	1963
Type:	DRY CLEANERS
Name:	SOFT WATER LAUNDRY & DRY CLEAN- ERS
Year:	1963
Type:	DRY CLEANERS
Name:	SOFT WATER LAUNDRY & DRY CLEAN- ERS
Year:	1963
Type:	LAUNDRIES AND DRY CLEANING
Name:	SOFT WATER LAUNDRY & DRY CLEAN- ERS
Year:	1963
Type:	LAUNDRIES AND DRY CLEANING
Name:	SOFT WATER LAUNDRY & DRY CLEAN- ERS

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SOFT WATER LAUNDRY & DRY CLEAN- ERS (Continued)

1009141824

Year: 1969
Type: LAUNDRIES

Name: SOFT WATER LAUNDRY & DRY CLEAN- ERS
Year: 1969
Type: DRY CLEANERS

Name: SOFT WATER LAUNDRY & DRY CLEAN- ERS
Year: 1969
Type: DRY CLEANERS

Name: SOFT WATER LAUNDRY & DRY CLEAN- ERS
Year: 1969
Type: LAUNDRIES

Name: SOFT WATER LAUNDRY & DRY CLEAN- ERS
Year: 1969
Type: DRY CLEANERS

K76
East
1/8-1/4
0.129 mi.
679 ft.

SERVISCO
702 W ANAHEIM
LONG BEACH, CA 90813

SLIC **S106484094**
HAZNET **N/A**

Site 10 of 13 in cluster K

Relative:
Lower

SLIC:

Actual:
11 ft.

Region: STATE
Facility Status: **Open - Site Assessment**
Status Date: 2009-01-21 00:00:00
Global Id: SL204FH2430
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number: Not reported
Latitude: 33.784401
Longitude: -118.133143
Case Type: Cleanup Program Site
Case Worker: TA
Local Agency: Not reported
RB Case Number: 0678
File Location: Regional Board
Potential Media Affected: Aquifer used for drinking water supply, Indoor Air, Soil, Soil Vapor,
Under Investigation
Potential Contaminants of Concern: Benzene, Tetrachloroethylene (PCE), Toluene, Trichloroethylene (TCE),
Xylene, Gasoline
Site History: The property is currently occupied by West Coast Choppers that operates a custom motorcycle fabrication shop. The property is occupied by two buildings. Historically, the main laundry facility was located on the west and the auxiliary building was on the east. The area between the two buildings is covered by asphalt pavement. Adjacent to the main building on the west, there is a sump. The past operations and uses of the sump are unknown. Three underground storage tanks (USTs) and one above-ground storage tank (AST) were present at the site prior to ARAMARK's purchase in 1986. USTs included a 6,000-gallon diesel, a 550-gallon gasoline, and a Stoddard solvent UST of unknown size. The AST contained tetrachloroethylene (PCE) and had a capacity of 1,000 gallons. In 1982, the diesel and gasoline USTs and PCE AST were removed. Later, the Stoddard solvent UST was filled with concrete and pea gravel and abandoned in-place. The exact date of the Stoddard solvent UST abandonment is unknown but

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SERVISCO (Continued)

S106484094

occurred prior to 1986. Several soil and groundwater investigations have been conducted at the site since 1987. Soil and groundwater have been impacted with chlorinated volatile organic compounds, petroleum hydrocarbons, benzene, toluene, ethylbenzene and xylenes (BTEX). Highest historical soil concentrations include 28,000 micrograms per kilogram (g/kg) of PCE, 1,200 g/kg of cis-1,2-dichloroethylene (c-1,2-DCE), 2,300 g/kg of benzene, and 12,000 g/kg of total petroleum hydrocarbons. Initial groundwater investigations in 1988 detected concentrations of benzene, trans-1,2-DCE, and PCE up to 1,600, 7,240, and 8,350 micrograms per liter (g/L), respectively. A groundwater pump and treat system operated at the site from 1994 to 2002, pumping groundwater through a shallow tray air stripper and two granular activated carbon units prior to discharge at the storm drain, under the National Pollutant Discharge Elimination System (NPDES) permit No. CA0063045. Groundwater monitoring has been conducted since 1987. In general, concentrations of chlorinated volatile organic compounds in groundwater have decreased due to the operation of remediation system, except for vinyl chloride. Maximum groundwater concentrations in the second quarter of 2008 include PCE at 450 g/L, TCE at 120 g/L, , cis-1,2-DCE at 59 g/L, vinyl chloride at 600 g/L, benzene at 33 g/L, and chlorobenzene at 47 g/L . There are currently 7 groundwater monitoring wells on the property. Four groundwater monitoring wells are scattered around the property, across Orange Avenue, and across West Anaheim Street. The groundwater monitoring wells are screened differently based on when they were installed.

HAZNET:

Gepaid: CAD982030140
Contact: INACTIVE,UNDELIVERABLE 96 FEE
Telephone: 0
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 702 W ANAHEIM
Mailing City,St,Zip: LONG BEACH, CA 908130000
Gen County: Los Angeles
TSD EPA ID: CAT000646117
TSD County: Los Angeles
Waste Category: Contaminated soil from site clean-ups
Disposal Method: Disposal, Other
Tons: 0.3
Facility County: Los Angeles

Gepaid: CAD982030140
Contact: INACTIVE,UNDELIVERABLE 96 FEE
Telephone: 0
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 702 W ANAHEIM
Mailing City,St,Zip: LONG BEACH, CA 908130000
Gen County: Los Angeles
TSD EPA ID: CAD008302903
TSD County: Los Angeles
Waste Category: Aqueous solution with less than 10% total organic residues
Disposal Method: Recycler
Tons: 3.19
Facility County: Los Angeles

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SERVISCO (Continued)

S106484094

Gepaid: CAD982030140
Contact: INACTIVE,UNDELIVERABLE 96 FEE
Telephone: 0
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 702 W ANAHEIM
Mailing City,St,Zip: LONG BEACH, CA 908130000
Gen County: Los Angeles
TSD EPA ID: CAD097030993
TSD County: Los Angeles
Waste Category: Aqueous solution with less than 10% total organic residues
Disposal Method: Recycler
Tons: 5.83
Facility County: Los Angeles

K77
East
1/8-1/4
0.129 mi.
679 ft.

ARAMARK UNIFORM & CAREER APPAREL, INC.
702 W. ANAHEIM STREET
LONG BEACH, CA 90813

RCRA-LQG **1008194413**
HAZNET **CAD982030140**

Site 11 of 13 in cluster K

Relative:
Lower

RCRA-LQG:

Actual:
11 ft.

Date form received by agency: 02/18/2004
Facility name: ARAMARK UNIFORM & CAREER APPAREL, INC.
Facility address: 702 W. ANAHEIM STREET
LONG BEACH, CA 90813
EPA ID: CAD982030140
Mailing address: ARAMARK UNIFORM & CAREER APPAR
2300 WARRENVILLE ROAD
DOWNERS GROVE, IL 60515
Contact: SAMUEL J NIEMANN
Contact address: Not reported
Not reported
Contact country: Not reported
Contact telephone: (317) 581-0668
Contact email: SAM@TWCINDY.NET
EPA Region: 09
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name: MIGHTY WHITEY, LLC
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ARAMARK UNIFORM & CAREER APPAREL, INC. (Continued)

1008194413

Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 03/01/2003
Owner/Op end date: Not reported

Owner/operator name: MIGHTY WHITEY, LLC
Owner/operator address: 702 W. ANAHEIM STREET
LONG BEACH, CA 90813

Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 03/01/2003
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Commercial status unknown

Universal Waste Summary:

Waste type: Batteries
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Lamps
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Pesticides
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Thermostats
Accumulated waste on-site: No
Generated waste on-site: No

Hazardous Waste Summary:

Waste code: D043
Waste name: VINYL CHLORIDE

Waste code: F002
Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE,

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ARAMARK UNIFORM & CAREER APPAREL, INC. (Continued)

1008194413

METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Violation Status: No violations found

HAZNET:

Gepaid: CAD982030140
Contact: INACTIVE,UNDELIVERABLE 96 FEE
Telephone: --
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 702 W ANAHEIM
Mailing City,St,Zip: LONG BEACH, CA 908130000
Gen County: Los Angeles
TSD EPA ID: CAT080013352
TSD County: Los Angeles
Waste Category: Aqueous solution with less than 10% total organic residues
Disposal Method: Recycler
Tons: 0.87
Facility County: Not reported

Gepaid: CAD982030140
Contact: INACTIVE,UNDELIVERABLE 96 FEE
Telephone: --
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 702 W ANAHEIM
Mailing City,St,Zip: LONG BEACH, CA 908130000
Gen County: Los Angeles
TSD EPA ID: CAT080013352
TSD County: Los Angeles
Waste Category: Aqueous solution with less than 10% total organic residues
Disposal Method: Recycler
Tons: 0.87
Facility County: Not reported

K78
East
1/8-1/4
0.129 mi.
679 ft.

AMERICAN BUFFALO INC
0702 W ANAHEIM ST
LONG BEACH, CA
Site 12 of 13 in cluster K

UST **U003660149**
N/A

Relative:
Lower

LONG BEACH UST:
Region: LONG BEACH
Tank Code: Not reported
Tank Test: Not reported
Leak Test: Not reported

Actual:
11 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

79
West
1/8-1/4
0.131 mi.
691 ft.

PUBLIC SERVICE TRANSFER STATION #1
E. SIDE 710MHwy -BTW ANAHEIM ST./ P.C.H.
LONG BEACH, CA

SWF/LF S105247930
N/A

Relative:
Higher

SWF/LF (SWIS):

Actual:
14 ft.

Region: STATE
Facility ID: 19-AA-1047
Lat/Long: 33.78667 / -118.20695
Owner Name: City of Long Beach,Public Service Bureau
Owner Telephone: 5625702732
Owner Address: Special Projects Officer
Owner Address2: 1601 San Francisco Ave.
Owner City,St,Zip: Long Beach, CA 90813
Operator: City of Long Beach, Public Works Dept.
Operator Phone: 5625702784
Operator Address: Superintendent Streets Maintenance
Operator Address2: 1601 San Francisco Ave.
Operator City,St,Zip: Long Beach, CA 90813
Operator's Status: Active
Permit Date: 10/19/2001
Permit Status: Notification
Permitted Acreage: Tons/year
Activity: Limited Volume Transfer Operation
Regulation Status: Notification
Landuse Name: Not reported
GIS Source: GPS
Category: Transfer/Processing
Unit Number: 01
Inspection Frequency: Quarterly
Accepted Waste: Green Materials
Closure Date: Not reported
Closure Type: Not reported
Disposal Acreage: Not reported
SWIS Num: 19-AA-1047
Waste Discharge Requirement Num: Not reported
Program Type: Not reported
Permitted Throughput with Units: Not reported
Actual Throughput with Units: 12
Permitted Capacity with Units: Tons/day
Remaining Capacity: Not reported
Remaining Capacity with Units: 3000

K80
East
1/8-1/4
0.133 mi.
701 ft.

ARATEX SERVICES (ARAMARK)
702 ANAHEIM ST W
LONG BEACH, CA 90813

LUST S102057754
SLIC N/A
LOS ANGELES CO. HMS

Site 13 of 13 in cluster K

Relative:
Lower

LUST REG 4:

Actual:
11 ft.

Region: 4
Regional Board: 04
County: Los Angeles
facid: 908130161
Status: Remedial action (cleanup) Underway
Substance: Solvents
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ARATEX SERVICES (ARAMARK) (Continued)

S102057754

Abatement Method Used at the Site:	Pump and Treat Groundwater
Global ID:	T0603701930
W Global ID:	Not reported
Staff:	SLC
Local Agency:	19060
Cross Street:	OREGON
Enforcement Type:	Not reported
Date Leak Discovered:	Not reported
Date Leak First Reported:	1/19/1988
Date Leak Record Entered:	3/10/1988
Date Confirmation Began:	Not reported
Date Leak Stopped:	Not reported
Date Case Last Changed on Database:	3/1/1998
Date the Case was Closed:	Not reported
How Leak Discovered:	Not reported
How Leak Stopped:	Not reported
Cause of Leak:	Not reported
Leak Source:	Not reported
Operator:	Not reported
Water System:	Not reported
Well Name:	Not reported
Approx. Dist To Production Well (ft):	16188.111182340026934201105597
Source of Cleanup Funding:	Not reported
Preliminary Site Assessment Workplan Submitted:	Not reported
Preliminary Site Assessment Began:	Not reported
Pollution Characterization Began:	3/18/1988
Remediation Plan Submitted:	Not reported
Remedial Action Underway:	3/1/1998
Post Remedial Action Monitoring Began:	Not reported
Enforcement Action Date:	Not reported
Historical Max MTBE Date:	Not reported
Hist Max MTBE Conc in Groundwater:	Not reported
Hist Max MTBE Conc in Soil:	Not reported
Significant Interim Remedial Action Taken:	Yes
GW Qualifier:	Not reported
Soil Qualifier:	Not reported
Organization:	Not reported
Owner Contact:	Not reported
Responsible Party:	ARATEX SERVICES, INC.
RP Address:	1834 WALDEN OFFICE SQ. SUITE 450, SCHAUMBURG, IL 60173
Program:	SLIC
Lat/Long:	33.7825327 / -1
Local Agency Staff:	Not reported
Beneficial Use:	Not reported
Priority:	LOP/LOW - MINOR OR NO POTENTIAL WATER RESOURCE IMPACT
Cleanup Fund Id:	Not reported
Suspended:	Not reported
Assigned Name:	Not reported
Summary:	CONSULTANT:DEPAUL AND ASSOCIATES, INC.(312)397-9500,WILLIAM WITHROW SOLVENT CASE PER DAB

SLIC:

Region:	STATE
Facility Status:	Open - Remediation
Status Date:	1998-03-01 00:00:00
Global Id:	T0603701930
Lead Agency:	LOS ANGELES RWQCB (REGION 4)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ARATEX SERVICES (ARAMARK) (Continued)

S102057754

Lead Agency Case Number: Not reported
Latitude: 33.7825327
Longitude: -118.2008642
Case Type: Cleanup Program Site
Case Worker: SLC
Local Agency: LONG BEACH/SIGNAL HILL, CITIES OF
RB Case Number: 908130161
File Location: Not reported
Potential Media Affected: Aquifer used for drinking water supply
Potential Contaminants of Concern: * Solvents
Site History: Not reported

LOS ANGELES CO. HMS:

Region: LA
Facility Id: 005146-005344
Facility Status: Removed
Area: 29
Permit Number: Not reported
Permit Status: Not reported
Facility Type: Not reported

**L81
ENE
1/8-1/4
0.134 mi.
705 ft.**

**DAISY SUBSTATION
1700 OREGON ST
LONG BEACH, CA 90813**

**RCRA-SQG 1000597546
FINDS CAD983615618**

Site 6 of 6 in cluster L

**Relative:
Higher**

RCRA-SQG:

Date form received by agency: 09/01/1996
Facility name: DAISY SUBSTATION
Facility address: 1700 OREGON ST
LONG BEACH, CA 90813
EPA ID: CAD983615618
Mailing address: 2244 WALNUT GROVE AVE RM 407
ROSEMEAD, CA 91770
Contact: Not reported
Contact address: Not reported
Contact country: Not reported
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

**Actual:
16 ft.**

Owner/Operator Summary:

Owner/operator name: SOUTHERN CALIF EDISON
Owner/operator address: PO BOX 800
ROSEMEAD, CA 91770
Owner/operator country: Not reported
Owner/operator telephone: (818) 302-9320
Legal status: Private
Owner/Operator Type: Owner

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DAISY SUBSTATION (Continued)

1000597546

Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: Unknown
Mixed waste (haz. and radioactive): Unknown
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: Unknown
Furnace exemption: Unknown
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Verified to be non-commercial

Historical Generators:

Date form received by agency: 12/23/1991
Facility name: DAISY SUBSTATION
Classification: Large Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110002866471

Environmental Interest/Information System

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

M82
NE
1/8-1/4
0.146 mi.
770 ft.

0730 W ESTHER ST
LONG BEACH, CA

Site 4 of 4 in cluster M

Relative:
Higher

LONG BEACH UST:
Region: LONG BEACH
Tank Code: Not reported
Tank Test: Not reported
Leak Test: Not reported

Actual:
13 ft.

UST U003919980
N/A

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

Q83
East
1/8-1/4
0.152 mi.
804 ft.
GOODWILL INDUSTRIES
800 PACIFIC COAST HWY W
LONG BEACH, CA 90806
Site 1 of 6 in cluster Q

HIST CORTESE
LUST
HAZNET
S101296782
N/A

Relative:
Lower

CORTESE:
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 908061070

Actual:
12 ft.

LUST:
Region: STATE
Global Id: T0603701839
Latitude: 33.789501
Longitude: -118.202395
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 1998-05-07 00:00:00
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Worker: DK
Local Agency: LONG BEACH/SIGNAL HILL, CITIES OF
RB Case Number: 908061070
LOC Case Number: Not reported
File Location: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Diesel
Site History: Not reported

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
facid: 908061070
Status: Case Closed
Substance: Diesel
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater
Abatement Method Used at the Site: Not reported
Global ID: T0603701839
W Global ID: Not reported
Staff: DK
Local Agency: 19060
Cross Street: Not reported
Enforcement Type: EF
Date Leak Discovered: Not reported
Date Leak First Reported: 3/14/1991
Date Leak Record Entered: 3/8/1991
Date Confirmation Began: Not reported
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 7/7/1998
Date the Case was Closed: 5/7/1998
How Leak Discovered: Not reported
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GOODWILL INDUSTRIES (Continued)

S101296782

Operator: OLD CASE #032091-01
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 14411.992807178336618138917721
Source of Cleanup Funding: UNK
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: 7/1/1997
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: 11/7/1997
Historical Max MTBE Date: 1/1/1965
Hist Max MTBE Conc in Groundwater: 16
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: GOODWILL INDUSTRIES
RP Address: 800 W. PACIFIC COAST HIGHWAY, LONG BEACH, CA 90806
Program: LUST
Lat/Long: 33.7900976 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: 08/28/97 - GW MON RPT INVESTIGATION 12/02/97 -
QTRLY MON RPT 1997 04/28/98 - QTRLY MON
RPT 1998 07/07/98 - WELL ABANDONMENT

HAZNET:

Gepaid: CAC002550159
Contact: john rhyze
Telephone: 5624350094
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 1140 e ocean blvd
Mailing City,St,Zip: long beach, CA 90802
Gen County: Los Angeles
TSD EPA ID: Not reported
TSD County: 99
Waste Category: Asbestos-containing waste
Disposal Method: Not reported
Tons: 0.50
Facility County: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

R84
ESE
1/8-1/4
0.156 mi.
823 ft.
ARATEX SERVICES
702 ANAHEIM
LONG BEACH, CA 90813
Site 1 of 2 in cluster R

SLIC **S103546802**
N/A

Relative: SLIC:
Higher Region: 4
Facility Status: Remediation
Actual: SLIC: 0678
13 ft. Substance: VOCs
Staff: Jenny Au

O85
East
1/8-1/4
0.159 mi.
837 ft.
AIR CARGO (NOT PREVIOUSLY ON TANK LIST)
0665 W COWLES ST #3
LONG BEACH, CA
Site 4 of 5 in cluster O

UST **U003660593**
N/A

Relative: LONG BEACH UST:
Higher Region: LONG BEACH
Tank Code: Not reported
Actual: Tank Test: Not reported
14 ft. Leak Test: Not reported

Q86
East
1/8-1/4
0.162 mi.
856 ft.
RELIABLE CLEANERS & DYERS
733 W PACIFIC COAST HWY
LONG BEACH, CA
Site 2 of 6 in cluster Q

EDR Historical Cleaners **1009142536**
N/A

Relative: EDR Historical Cleaners:
Lower Name: TUNTH PEGGY MRS
Year: 1948
Actual: Type: CLOTHES PRESSERS AND CLEANERS
12 ft.
Name: TUNTH PEGGY MRS
Year: 1948
Type: CLOTHES PRESSERS AND CLEANERS
Name: RELIABLE CLEANERS & DYERS
Year: 1952
Type: CLEANERS AND DYERS

Q87
East
1/8-1/4
0.166 mi.
878 ft.
0700 W PACIFIC COAST HWY
LONG BEACH, CA
Site 3 of 6 in cluster Q

UST **U003920197**
N/A

Relative: LONG BEACH UST:
Lower Region: LONG BEACH
Tank Code: Not reported
Actual: Tank Test: Not reported
12 ft. Leak Test: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

88
South
1/8-1/4
0.171 mi.
905 ft.

V & S TRANSPORTATION
1100 DE FOREST AVE
LONG BEACH, CA

UST U003660638
N/A

Relative:
Lower

LONG BEACH UST:

Region: LONG BEACH
Tank Code: Not reported
Tank Test: Not reported
Leak Test: Not reported

Actual:
12 ft.

P89
East
1/8-1/4
0.172 mi.
907 ft.

BOYD INDUSTRIAL COATINGS INC
651 W 15TH ST
LONG BEACH, CA 90813

RCRA-SQG 1000183282
FINDS CAD981624018
HAZNET

Site 2 of 3 in cluster P

Relative:
Higher

RCRA-SQG:

Date form received by agency: 02/06/1987
Facility name: BOYD INDUSTRIAL COATINGS INC
Facility address: 651 W 15TH ST
LONG BEACH, CA 90813
EPA ID: CAD981624018
Mailing address: PO BOX 15488
LONG BEACH, CA 90815
Contact: ENVIRONMENTAL MANAGER
Contact address: 651 W 15TH ST
LONG BEACH, CA 90813
Contact country: US
Contact telephone: (213) 436-6610
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Actual:
13 ft.

Owner/Operator Summary:

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: BOYD JACK
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BOYD INDUSTRIAL COATINGS INC (Continued)

1000183282

Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): Unknown
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Verified to be non-commercial

Violation Status: No violations found

FINDS:

Registry ID: 110002727871

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZNET:

Gepaid: CAD981624018
Contact: Not reported
Telephone: 0000000000
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: PO BOX 15488
Mailing City,St,Zip: LONG BEACH, CA 908150000
Gen County: Los Angeles
TSD EPA ID: CAD009452657
TSD County: San Mateo
Waste Category: Hydrocarbon solvents (benzene, hexane, Stoddard, etc.)
Disposal Method: Disposal, Other
Tons: 1.4803
Facility County: Los Angeles

Gepaid: CAD981624018
Contact: Not reported
Telephone: 0000000000
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: PO BOX 15488

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BOYD INDUSTRIAL COATINGS INC (Continued)

1000183282

Mailing City,St,Zip: LONG BEACH, CA 908150000
Gen County: Los Angeles
TSD EPA ID: CAD008252405
TSD County: Los Angeles
Waste Category: Aqueous solution with 10% or more total organic residues
Disposal Method: Recycler
Tons: .2502
Facility County: Los Angeles

Gepaid: CAD981624018
Contact: Not reported
Telephone: 0000000000
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: PO BOX 15488
Mailing City,St,Zip: LONG BEACH, CA 908150000
Gen County: Los Angeles
TSD EPA ID: CAD008252405
TSD County: Los Angeles
Waste Category: Paint sludge
Disposal Method: Recycler
Tons: 1.0425
Facility County: Los Angeles

**S90
NE
1/8-1/4
0.173 mi.
912 ft.**

**BRYANT S AUTO RE CONDITIONING
689 W ESTHER ST
LONG BEACH, CA**

EDR Historical Auto Stations

**1009017168
N/A**

Site 1 of 5 in cluster S

**Relative:
Lower**

EDR Historical Auto Stations:

Name: BRYANT S AUTO RE CONDITIONING
Year: 1939
Type: AUTOMOBILE REPAIRING

**Actual:
12 ft.**

**O91
East
1/8-1/4
0.173 mi.
914 ft.**

**DOUGLAS PRODUCE
648 COWLES ST
LONG BEACH, CA 90813**

**HIST CORTESE
LUST
HAZNET**

**S101296709
N/A**

Site 5 of 5 in cluster O

**Relative:
Higher**

CORTESE:

Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 908130325

**Actual:
14 ft.**

LUST:

Region: STATE
Global Id: T0603701946
Latitude: 33.7848544484889
Longitude: -118.200466632843
Case Type: LUST Cleanup Site
Status: Open - Site Assessment
Status Date: 2007-06-04 00:00:00
Lead Agency: LOS ANGELES RWQCB (REGION 4)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOUGLAS PRODUCE (Continued)

S101296709

Case Worker: JH
Local Agency: LONG BEACH/SIGNAL HILL, CITIES OF
RB Case Number: 908130325
LOC Case Number: Not reported
File Location: Regional Board
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST REG 4:

Region: 4
Regional Board: 04
County: Los Angeles
facid: 908130325
Status: Pollution Characterization
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater
Abatement Method Used at the Site: Not reported
Global ID: T0603701946
W Global ID: Not reported
Staff: HDN
Local Agency: 19060
Cross Street: ATLANTIC
Enforcement Type: LET
Date Leak Discovered: 2/13/1987
Date Leak First Reported: 2/13/1987
Date Leak Record Entered: 6/16/1988
Date Confirmation Began: Not reported
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 5/4/1999
Date the Case was Closed: Not reported
How Leak Discovered: Not reported
How Leak Stopped: Not reported
Cause of Leak: Not reported
Leak Source: Not reported
Operator: Not reported
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 15430.674663992219313198152981
Source of Cleanup Funding: Not reported
Preliminary Site Assessment Workplan Submitted: 7/2/1997
Preliminary Site Assessment Began: 5/8/1998
Pollution Characterization Began: 8/10/2000
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: 2/13/1987
Enforcement Action Date: 8/10/2000
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: 39
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOUGLAS PRODUCE (Continued)

S101296709

Responsible Party: PETE DOUGLAS
RP Address: 648 COWLES ST,
Program: LUST
Lat/Long: 33.7847417 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: 12/23/97- UST CLOSURE REPORT (FREE PRODUCT SITE) 01/30/98-
ENVIRON. SITE ASSESSMENT & GW WELL INSTALL. WP 02/13/98- REVISED
SITE ASSESSMENT & GW WELL INSTALL. WP 05/06/98- ENVIRON. SITE
ASSESSMENT & GW WELL

HAZNET:

Gepaid: CAC002102192
Contact: DOUGLAS PRODUCE
Telephone: 0000000000
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 648 COWLES ST
Mailing City,St,Zip: LONG BEACH, CA 908130000
Gen County: Los Angeles
TSD EPA ID: CAD028409019
TSD County: Los Angeles
Waste Category: Aqueous solution with 10% or more total organic residues
Disposal Method: Treatment, Tank
Tons: .1042
Facility County: Los Angeles

Gepaid: CAC002613390
Contact: GREG GILL
Telephone: 5623041766
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 1827 XIMENO AVE
Mailing City,St,Zip: LONG BEACH, CA 908152850
Gen County: Los Angeles
TSD EPA ID: CAT080013352
TSD County: Los Angeles
Waste Category: Tank bottom waste
Disposal Method: H135
Tons: 0.37
Facility County: Los Angeles

P92
East
1/8-1/4
0.181 mi.
954 ft.

0640 W 15TH ST
LONG BEACH, CA

Site 3 of 3 in cluster P

Relative:
Higher

LONG BEACH UST:
Region: LONG BEACH
Tank Code: Not reported
Tank Test: Not reported
Leak Test: Not reported

Actual:
13 ft.

UST U003919696
N/A

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

T93
East
1/8-1/4
0.182 mi.
959 ft.

VACANT
0640 W 16TH ST
LONG BEACH, CA
Site 1 of 2 in cluster T

UST **U003920371**
N/A

Relative:
Higher

LONG BEACH UST:
Region: LONG BEACH
Tank Code: Not reported
Tank Test: Not reported
Leak Test: Not reported

Actual:
15 ft.

U94
East
1/8-1/4
0.186 mi.
982 ft.

SUN HARDWARE CO, INC
635 W 15TH ST
LONG BEACH, CA 90813
Site 1 of 6 in cluster U

DRYCLEANERS **S106076977**
HAZNET **N/A**

Relative:
Higher

DRYCLEANERS:
EPA Id: CAL000115673
NAICS Code: 81232
NAICS Description: Drycleaning and Laundry Services (except Coin-Operated)
SIC Code: 7219
SIC Description: Laundry and Garment Services, NEC (except diaper service and clothing alteration and repair)
Create Date: 2/22/1994
Facility Active: No
Inactive Date: 6/30/2007
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: PO BOX 92019
Mailing Address 2: Not reported
Mailing State: CA
Mailing Zip: 908092019
Region Code: 3
Owner Name: GORDON L GOODRICH
Owner Address: 635 W 15TH ST
Owner Address 2: Not reported
Owner Telephone: 5624323276
Contact Name: GORDON GOODRICH
Contact Address: --
Contact Address 2: Not reported
Contact Telephone: 5624323276

Actual:
13 ft.

EPA Id: CAL000319232
NAICS Code: 81299
NAICS Description: All Other Personal Services
SIC Code: 7389
SIC Description: Miscellaneous Business Services (bail bonding)
Create Date: 5/3/2007 2:09:00 PM
Facility Active: Yes
Inactive Date: Not reported
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 451 CEDAR ST
Mailing Address 2: Not reported
Mailing State: CA
Mailing Zip: 932301210
Region Code: 3
Owner Name: BRADLEY C. KANE
Owner Address: 635 W 15TH ST

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SUN HARDWARE CO, INC (Continued)

S106076977

Owner Address 2: Not reported
Owner Telephone: 5624323276
Contact Name: BRUCE GOODRICH
Contact Address: 635 W 15TH ST
Contact Address 2: Not reported
Contact Telephone: 5624324970

EPA Id: CAL000115673
NAICS Code: 81232
NAICS Description: Drycleaning and Laundry Services (except Coin-Operated)
SIC Code: 7211
SIC Description: Power Laundries, Family and Commercial
Create Date: 2/22/1994
Facility Active: No
Inactive Date: 6/30/2007
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: PO BOX 92019
Mailing Address 2: Not reported
Mailing State: CA
Mailing Zip: 908092019
Region Code: 3
Owner Name: GORDON L GOODRICH
Owner Address: 635 W 15TH ST
Owner Address 2: Not reported
Owner Telephone: 5624323276
Contact Name: GORDON GOODRICH
Contact Address: --
Contact Address 2: Not reported
Contact Telephone: 5624323276

EPA Id: CAL000115673
NAICS Code: 81232
NAICS Description: Drycleaning and Laundry Services (except Coin-Operated)
SIC Code: 7216
SIC Description: Drycleaning Plants, Except Rug Cleaning
Create Date: 2/22/1994
Facility Active: No
Inactive Date: 6/30/2007
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: PO BOX 92019
Mailing Address 2: Not reported
Mailing State: CA
Mailing Zip: 908092019
Region Code: 3
Owner Name: GORDON L GOODRICH
Owner Address: 635 W 15TH ST
Owner Address 2: Not reported
Owner Telephone: 5624323276
Contact Name: GORDON GOODRICH
Contact Address: --
Contact Address 2: Not reported
Contact Telephone: 5624323276

EPA Id: CAL000115673
NAICS Code: 81232

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SUN HARDWARE CO, INC (Continued)

S106076977

NAICS Description: Drycleaning and Laundry Services (except Coin-Operated)
SIC Code: 7389
SIC Description: Business Services, NEC (apparel pressing service for the trade)
Create Date: 2/22/1994
Facility Active: No
Inactive Date: 6/30/2007
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: PO BOX 92019
Mailing Address 2: Not reported
Mailing State: CA
Mailing Zip: 908092019
Region Code: 3
Owner Name: GORDON L GOODRICH
Owner Address: 635 W 15TH ST
Owner Address 2: Not reported
Owner Telephone: 5624323276
Contact Name: GORDON GOODRICH
Contact Address: --
Contact Address 2: Not reported
Contact Telephone: 5624323276

EPA Id: CAL000115673
NAICS Code: 81232
NAICS Description: Drycleaning and Laundry Services (except Coin-Operated)
SIC Code: 7212
SIC Description: Garment Pressing, and Agents for Laundries and Drycleaners
Create Date: 2/22/1994
Facility Active: No
Inactive Date: 6/30/2007
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: PO BOX 92019
Mailing Address 2: Not reported
Mailing State: CA
Mailing Zip: 908092019
Region Code: 3
Owner Name: GORDON L GOODRICH
Owner Address: 635 W 15TH ST
Owner Address 2: Not reported
Owner Telephone: 5624323276
Contact Name: GORDON GOODRICH
Contact Address: --
Contact Address 2: Not reported
Contact Telephone: 5624323276

HAZNET:

Gepaid: CAL000319232
Contact: BRUCE GOODRICH
Telephone: 5624324970
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 451 CEDAR ST
Mailing City,St,Zip: HANFORD, CA 932301210
Gen County: Los Angeles
TSD EPA ID: CAD008364432
TSD County: Los Angeles

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SUN HARDWARE CO, INC (Continued)

S106076977

Waste Category: Laboratory waste chemicals
Disposal Method: H141
Tons: 0.135
Facility County: Los Angeles

Gepaid: CAL000319232
Contact: BRUCE GOODRICH
Telephone: 5624324970
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 451 CEDAR ST
Mailing City,St,Zip: HANFORD, CA 932301210
Gen County: Los Angeles
TSD EPA ID: CAD008364432
TSD County: Los Angeles
Waste Category: Unspecified solvent mixture Waste
Disposal Method: H141
Tons: 0.015
Facility County: Los Angeles

Gepaid: CAL000319232
Contact: BRUCE GOODRICH
Telephone: 5624324970
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 451 CEDAR ST
Mailing City,St,Zip: HANFORD, CA 932301210
Gen County: Los Angeles
TSD EPA ID: CAD008364432
TSD County: Los Angeles
Waste Category: Unspecified organic liquid mixture
Disposal Method: H061
Tons: 0.225
Facility County: Los Angeles

Gepaid: CAL000319232
Contact: BRUCE GOODRICH
Telephone: 5624324970
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 451 CEDAR ST
Mailing City,St,Zip: HANFORD, CA 932301210
Gen County: Los Angeles
TSD EPA ID: CAD008364432
TSD County: Los Angeles
Waste Category: Laboratory waste chemicals
Disposal Method: H061
Tons: 0.12
Facility County: Los Angeles

Gepaid: CAL000115673
Contact: GORDON GOODRICH
Telephone: 5624323276
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: PO BOX 92019
Mailing City,St,Zip: LONG BEACH, CA 908092019

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SUN HARDWARE CO, INC (Continued)

S106076977

Gen County: Los Angeles
TSD EPA ID: AZD081705402
TSD County: 99
Waste Category: Unspecified aqueous solution
Disposal Method: Treatment, Incineration
Tons: 0.03
Facility County: Not reported

[Click this hyperlink](#) while viewing on your computer to access additional CA_HAZNET: detail in the EDR Site Report.

R95
East
1/8-1/4
0.191 mi.
1010 ft.

CALIFORNIA REFRIGERATED SERVICES
625 W ANAHEIM ST
LONG BEACH, CA 90813

Site 2 of 2 in cluster R

FTTS **1004443092**
HIST FTTS **N/A**
FINDS
UST

Relative:
Higher

FTTS INSP:
Inspection Number: 19890126CA001 2
Region: 09
Inspection Date: 01/26/89
Inspector: BERMAN
Violation occurred: Yes
Investigation Type: Section 6 PCB State Conducted
Investigation Reason: Neutral Scheme, State
Legislation Code: TSCA
Facility Function: User

Actual:
14 ft.

HIST FTTS INSP:
Inspection Number: 19890126CA001 2
Region: 09
Inspection Date: Not reported
Inspector: BERMAN
Violation occurred: Yes
Investigation Type: Section 6 PCB State Conducted
Investigation Reason: Neutral Scheme, State
Legislation Code: TSCA
Facility Function: User

FINDS:

Registry ID: 110011658321

Environmental Interest/Information System

NCDB (National Compliance Data Base) supports implementation of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and the Toxic Substances Control Act (TSCA). The system tracks inspections in regions and states with cooperative agreements, enforcement actions, and settlements.

LONG BEACH UST:

Region: LONG BEACH
Tank Code: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CALIFORNIA REFRIGERATED SERVICES (Continued)

1004443092

Tank Test: Not reported
Leak Test: Not reported

V96
West
1/8-1/4
0.197 mi.
1040 ft.

NEILL AIRCRAFT CO.
1227 W COWLES ST
LONG BEACH, CA
Site 1 of 10 in cluster V

UST U003660595
N/A

Relative:
Higher

LONG BEACH UST:
Region: LONG BEACH
Tank Code: Not reported
Tank Test: Not reported
Leak Test: Not reported

Actual:
13 ft.

S97
ENE
1/8-1/4
0.200 mi.
1054 ft.

0653 W ESTHER ST
LONG BEACH, CA
Site 2 of 5 in cluster S

UST U003919979
N/A

Relative:
Higher

LONG BEACH UST:
Region: LONG BEACH
Tank Code: Not reported
Tank Test: Not reported
Leak Test: Not reported

Actual:
13 ft.

Q98
East
1/8-1/4
0.200 mi.
1057 ft.

KING S SERVICE STATION
701 W PACIFIC COAST HWY
LONG BEACH, CA
Site 4 of 6 in cluster Q

EDR Historical Auto Stations 1008994228
N/A

Relative:
Lower

EDR Historical Auto Stations:
Name: MARTIN G L
Year: 1944
Type: GASOLINE AND OIL SERVICE STATIONS

Name: WISDOM S MOBIL SERVICE
Year: 1952
Type: GASOLINE STATIONS

Name: JACK'S MOBIL SERVICE
Year: 1955
Type: Not reported

Name: KING S SERVICE STATION
Year: 1957
Type: GASOLINE STATIONS

Name: KING S SERVICE STATION
Year: 1957
Type: GASOLINE STATIONS

Name: BEHMERWOHL D S GARAGE

Actual:
12 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KING S SERVICE STATION (Continued)

1008994228

Year: 1963
Type: AUTOMOBILE REPAIRING

Name: KING S SERVICE STATION
Year: 1969
Type: GASOLINE STATIONS

Name: KING S SERVICE STATION
Year: 1969
Type: GASOLINE STATIONS

Q99
East
1/8-1/4
0.200 mi.
1057 ft.

0701 W PACIFIC COAST HWY
LONG BEACH, CA

UST U003920198
N/A

Site 5 of 6 in cluster Q

Relative:
Lower

LONG BEACH UST:
Region: LONG BEACH
Tank Code: Not reported
Tank Test: Not reported
Leak Test: Not reported

Actual:
12 ft.

S100
ENE
1/8-1/4
0.200 mi.
1057 ft.

0650 W ESTHER ST
LONG BEACH, CA

UST U003919978
N/A

Site 3 of 5 in cluster S

Relative:
Higher

LONG BEACH UST:
Region: LONG BEACH
Tank Code: Not reported
Tank Test: Not reported
Leak Test: Not reported

Actual:
13 ft.

V101
West
1/8-1/4
0.201 mi.
1061 ft.

JERRY & KATHLEEN GLIKESMAN
1234 COWLES ST
LONG BEACH, CA 90808

CA FID UST S101587013
SWEEPS UST N/A

Site 2 of 10 in cluster V

Relative:
Higher

CA FID UST:
Facility ID: 19054707
Regulated By: UTKNI
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 3109440263
Mail To: Not reported
Mailing Address: 87 DAPPLE GRAY
Mailing Address 2: Not reported
Mailing City,St,Zip: LONG BEACH 90808
Contact: Not reported
Contact Phone: Not reported
DUNS Number: Not reported

Actual:
13 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

JERRY & KATHLEEN GLIKESMAN (Continued)

S101587013

NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Inactive

SWEEPS UST:

Status: Not reported
Comp Number: 54445
Number: Not reported
Board Of Equalization: Not reported
Ref Date: Not reported
Act Date: Not reported
Created Date: Not reported
Tank Status: Not reported
Owner Tank Id: Not reported
Swrcb Tank Id: 19-060-054445-000001
Actv Date: Not reported
Capacity: 1000
Tank Use: UNKNOWN
Stg: PRODUCT
Content: Not reported
Number Of Tanks: 1

V102
West
1/8-1/4
0.201 mi.
1061 ft.
MICOR ENERGY LLC
1234 COWLES ST W
LONG BEACH, CA 90813
Site 3 of 10 in cluster V

LUST **S104406362**
N/A

Relative:
Higher

LUST:

Actual:
13 ft.

Region: STATE
Global Id: T0603701973
Latitude: 33.7845427
Longitude: -118.2081905
Case Type: LUST Cleanup Site
Status: Open - Site Assessment
Status Date: 2000-09-25 00:00:00
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Worker: JH
Local Agency: LONG BEACH/SIGNAL HILL, CITIES OF
RB Case Number: 908130625
LOC Case Number: Not reported
File Location: Regional Board
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST REG 4:

Region: 4
Regional Board: 04
County: Los Angeles
facid: 908130625
Status: Pollution Characterization
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MICOR ENERGY LLC (Continued)

S104406362

Abatement Method Used at the Site:	Not reported
Global ID:	T0603701973
W Global ID:	Not reported
Staff:	HDN
Local Agency:	19060
Cross Street:	FASHION AVE
Enforcement Type:	LET
Date Leak Discovered:	10/20/1999
Date Leak First Reported:	1/7/2000
Date Leak Record Entered:	Not reported
Date Confirmation Began:	Not reported
Date Leak Stopped:	Not reported
Date Case Last Changed on Database:	9/21/2000
Date the Case was Closed:	Not reported
How Leak Discovered:	Subsurface Monitoring
How Leak Stopped:	Not reported
Cause of Leak:	UNK
Leak Source:	UNK
Operator:	AFCO
Water System:	Not reported
Well Name:	Not reported
Approx. Dist To Production Well (ft):	17074.068521083465866539564425
Source of Cleanup Funding:	UNK
Preliminary Site Assessment Workplan Submitted:	3/7/2000
Preliminary Site Assessment Began:	3/27/2000
Pollution Characterization Began:	9/25/2000
Remediation Plan Submitted:	Not reported
Remedial Action Underway:	Not reported
Post Remedial Action Monitoring Began:	1/7/2000
Enforcement Action Date:	Not reported
Historical Max MTBE Date:	1/1/1965
Hist Max MTBE Conc in Groundwater:	290
Hist Max MTBE Conc in Soil:	Not reported
Significant Interim Remedial Action Taken:	Not reported
GW Qualifier:	Not reported
Soil Qualifier:	Not reported
Organization:	Not reported
Owner Contact:	Not reported
Responsible Party:	CHERYL A. MADDEN
RP Address:	2251 OHIO AVE.
Program:	LUST
Lat/Long:	33.7845427 / -1
Local Agency Staff:	Not reported
Beneficial Use:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Suspended:	Not reported
Assigned Name:	Not reported
Summary:	3/3/00 LIMITED SUBSURFACE INVESTIGATION; 3/22/00 ADD'L SOIL & GW INVESTIGATION

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

Q103
East
1/8-1/4
0.201 mi.
1062 ft.
LA MIRAGE INN
701 PACIFIC COAST HWY W
LONG BEACH, CA 90806
Site 6 of 6 in cluster Q

HIST CORTESE
LUST
S101296781
N/A

Relative:
Lower

CORTESE:
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 908060089

Actual:
12 ft.

LUST:
Region: STATE
Global Id: T0603701827
Latitude: 33.790113
Longitude: -118.200917
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 1997-08-28 00:00:00
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Worker: JH
Local Agency: LONG BEACH/SIGNAL HILL, CITIES OF
RB Case Number: 908060089
LOC Case Number: Not reported
File Location: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
facid: 908060089
Status: Case Closed
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater
Abatement Method Used at the Site: ETGT
Global ID: T0603701827
W Global ID: Not reported
Staff: JH
Local Agency: 19060
Cross Street: MAINE
Enforcement Type: Not reported
Date Leak Discovered: 3/3/1988
Date Leak First Reported: 6/7/1988
Date Leak Record Entered: 6/10/1988
Date Confirmation Began: Not reported
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 9/30/1997
Date the Case was Closed: 8/28/1997
How Leak Discovered: Not reported
How Leak Stopped: Not reported
Cause of Leak: Not reported
Leak Source: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LA MIRAGE INN (Continued)

S101296781

Operator: Not reported
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 14065.683321647770475773190073
Source of Cleanup Funding: Not reported
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: 2/16/1989
Remediation Plan Submitted: Not reported
Remedial Action Underway: 3/2/1990
Post Remedial Action Monitoring Began: 4/4/1997
Enforcement Action Date: Not reported
Historical Max MTBE Date: 1/1/1965
Hist Max MTBE Conc in Groundwater: 8
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Yes
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: BLANK RP
RP Address: 12841 WASHINGTON BLVD., LOS ANGELES, CA 90066
Program: LUST
Lat/Long: 33.7901276 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: TANKS REMOVED GROUND WATER UNDER ENTIRE SITE CONTAMINATED. OFFSITE
ASSESSMENT APPROVED. 6/25/97 QTR GW
MON RPT (2ND QTR 97)

W104 **ASSOCIATED BREWERS DIST. CO.**
East **615 017TH ST W**
1/8-1/4 **LONG BEACH, CA 90813**
0.201 mi.
1063 ft. **Site 1 of 5 in cluster W**

HIST CORTESE **S102424693**
LUST **N/A**

Relative: **CORTESE:**
Lower **Region:** **CORTESE**
Actual: **Facility County Code:** **19**
12 ft. **Reg By:** **LTNKA**
Reg Id: **908130461**

LUST:
Region: **STATE**
Global Id: **T0603701957**
Latitude: **33.7878936**
Longitude: **-118.1995662**
Case Type: **LUST Cleanup Site**
Status: **Completed - Case Closed**
Status Date: **1999-04-30 00:00:00**
Lead Agency: **LOS ANGELES RWQCB (REGION 4)**
Case Worker: **DK**
Local Agency: **LONG BEACH/SIGNAL HILL, CITIES OF**

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ASSOCIATED BREWERS DIST. CO. (Continued)

S102424693

RB Case Number: 908130461
LOC Case Number: Not reported
File Location: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Other Solvent or Non-Petroleum Hydrocarbon
Site History: Not reported

LUST REG 4:

Region: 4
Regional Board: 04
County: Los Angeles
facid: 908130461
Status: Case Closed
Substance: Hydrocarbons
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater
Abatement Method Used at the Site: Not reported
Global ID: T0603701957
W Global ID: Not reported
Staff: DK
Local Agency: 19060
Cross Street: MAGNOLIA AVE
Enforcement Type: Not reported
Date Leak Discovered: 10/19/1989
Date Leak First Reported: 10/19/1989
Date Leak Record Entered: 9/23/1996
Date Confirmation Began: Not reported
Date Leak Stopped: 10/19/1989
Date Case Last Changed on Database: 6/28/1999
Date the Case was Closed: 4/30/1999
How Leak Discovered: Subsurface Monitoring
How Leak Stopped: Not reported
Cause of Leak: Not reported
Leak Source: Not reported
Operator: Not reported
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 14440.216581973052396026143451
Source of Cleanup Funding: Not reported
Preliminary Site Assessment Workplan Submitted: 2/14/1990
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: 11/20/1997
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: 1/1/1965
Hist Max MTBE Conc in Groundwater: 25
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: ASSOCIATED BREWERS DIST. CO
RP Address: P.O. BOX 11238, MARINA DEL REY CA 90295

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ASSOCIATED BREWERS DIST. CO. (Continued)

S102424693

Program: LUST
Lat/Long: 33.7878936 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: 1C1
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: 05/01/97 - WORK PLAN FOR ADD'L SITE ASSESSMENT; 01/30/98 - STATUS RPT FOR 4TH QTR 1997; 05/14/98 - STATUS RPT FOR 1ST QTR 1998 & REQUEST FOR CLOSURE; 6/28/99 WELL DESTRUCTION

V105
West
1/8-1/4
0.201 mi.
1063 ft.
MCMULLEN OIL INC
1234 COWLES ST
LONG BEACH, CA 90813

HIST CORTESE
HAZNET
S103976936
N/A

Site 4 of 10 in cluster V

Relative:
Higher

CORTESE:
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 908130625

Actual:
13 ft.

HAZNET:
Gepaid: CAC001232856
Contact: CORPORATION
Telephone: 0000000000
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 1234 COWLES ST
Mailing City,St,Zip: LONG BEACH, CA 908130000
Gen County: Los Angeles
TSD EPA ID: CAD000088252
TSD County: Los Angeles
Waste Category: Hydrocarbon solvents (benzene, hexane, Stoddard, etc.)
Disposal Method: Transfer Station
Tons: .7506
Facility County: Los Angeles

V106
West
1/8-1/4
0.201 mi.
1063 ft.
MICOR ENERGY LONG BEACH (5 D/W TRUSCO)
1234 W COWLES ST
LONG BEACH, CA

UST
U003779459
N/A

Site 5 of 10 in cluster V

Relative:
Higher

UST:
Global ID: 5077
Latitude: 33.78464
Longitude: -118.20817

Actual:
13 ft.

LONG BEACH UST:
Region: LONG BEACH
Tank Code: Dual Walled
Tank Test: Dual Walled

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MICOR ENERGY LONG BEACH (5 D/W TRUSCO) (Continued)

U003779459

Leak Test: Not reported

V107
West
1/8-1/4
0.206 mi.
1086 ft.

GAYLORD INSPECTION LABS INC
1243 W COWLES
LONG BEACH, CA 90813

RCRA-NonGen **1000290834**
FINDS **CAD028413250**

Site 6 of 10 in cluster V

Relative:
Lower

RCRA-NonGen:

Date form received by agency: 08/22/1980

Facility name: GAYLORD INSPECTION LABS INC

Facility address: 1243 W COWLES
LONG BEACH, CA 90813

EPA ID: CAD028413250

Mailing address: W COWLES
LONG BEACH, CA 90813

Contact: ENVIRONMENTAL MANAGER

Contact address: 1243 W COWLES
LONG BEACH, CA 90813

Contact country: US

Contact telephone: (213) 432-2901

Contact email: Not reported

EPA Region: 09

Classification: Non-Generator

Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: JAMES L DANKS

Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999

Owner/operator country: Not reported

Owner/operator telephone: (415) 555-1212

Legal status: Private

Owner/Operator Type: Owner

Owner/Op start date: Not reported

Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED

Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999

Owner/operator country: Not reported

Owner/operator telephone: (415) 555-1212

Legal status: Private

Owner/Operator Type: Operator

Owner/Op start date: Not reported

Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No

Mixed waste (haz. and radioactive): Unknown

Recycler of hazardous waste: No

Transporter of hazardous waste: No

Treater, storer or disposer of HW: No

Underground injection activity: No

On-site burner exemption: No

Furnace exemption: No

Used oil fuel burner: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GAYLORD INSPECTION LABS INC (Continued)

1000290834

Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Verified to be non-commercial

Violation Status: No violations found

FINDS:

Registry ID: 110002640429

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

S108
ENE
1/8-1/4
0.206 mi.
1086 ft.

MEADOWS ROOFING
0645 W ESTHER ST
LONG BEACH, CA
Site 4 of 5 in cluster S

UST U003660684
N/A

Relative:
Higher

LONG BEACH UST:
Region: LONG BEACH
Tank Code: Not reported
Tank Test: Not reported
Leak Test: Not reported

Actual:
13 ft.

W109
East
1/8-1/4
0.208 mi.
1100 ft.

VACANT
0615 W 17TH ST
LONG BEACH, CA
Site 2 of 5 in cluster W

UST U003854658
N/A

Relative:
Lower

LONG BEACH UST:
Region: LONG BEACH
Tank Code: Not reported
Tank Test: Not reported
Leak Test: Not reported

Actual:
12 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

X110
East
1/8-1/4
0.210 mi.
1107 ft.
SO CAL COASTAL WATER RES PROJ
646 W PACIFIC COAST HWY
LONG BEACH, CA 90806
Site 1 of 2 in cluster X

RCRA-SQG
FINDS
HAZNET
1000166478
CAD981371230

Relative:
Lower

RCRA-SQG:

Actual:
12 ft.

Date form received by agency: 05/08/1986
Facility name: SO CAL COASTAL WATER RES PROJ
Facility address: 646 W PACIFIC COAST HWY
LONG BEACH, CA 90806
EPA ID: CAD981371230
Contact: ENVIRONMENTAL MANAGER
Contact address: 646 W PACIFIC COAST HWY
LONG BEACH, CA 90806
Contact country: US
Contact telephone: (213) 435-7071
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: ED VAN
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): Unknown
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SO CAL COASTAL WATER RES PROJ (Continued)

1000166478

User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Verified to be non-commercial

Violation Status: No violations found

FINDS:

Registry ID: 110002684113

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZNET:

Gepaid: CAD981371230
Contact: Not reported
Telephone: 0000000000
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 646 W PACIFIC COAST HWY
Mailing City,St,Zip: LONG BEACH, CA 908060000
Gen County: Los Angeles
TSD EPA ID: CAD008364432
TSD County: Los Angeles
Waste Category: Unspecified solvent mixture Waste
Disposal Method: Recycler
Tons: .1251
Facility County: Los Angeles

Y111
East
1/8-1/4
0.210 mi.
1108 ft.

SPICK & SPAN LAUNDRY
609 COWLES
LONG BEACH, CA
Site 1 of 3 in cluster Y

EDR Historical Cleaners **1009161472**
N/A

Relative:
Higher

EDR Historical Cleaners:
Name: SPICK & SPAN LAUNDRY
Year: 1924
Type: LAUNDRIES

Actual:
13 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

S112
ENE
1/8-1/4
0.211 mi.
1112 ft.
Relative:
Higher
Actual:
13 ft.

BRYANT S AUTO RE-CONDITIONING
639 W ESTHER ST
LONG BEACH, CA
Site 5 of 5 in cluster S

EDR Historical Auto Stations

1009122384
N/A

EDR Historical Auto Stations:
Name: BRYANT S AUTO RE-CONDITIONING
Year: 1939
Type: AUTOMOBILE REPAIRING

Z113
East
1/8-1/4
0.214 mi.
1129 ft.
Relative:
Higher
Actual:
16 ft.

0602 W ANAHEIM ST
LONG BEACH, CA
Site 1 of 9 in cluster Z

UST U003919741
N/A

LONG BEACH UST:
Region: LONG BEACH
Tank Code: Not reported
Tank Test: Not reported
Leak Test: Not reported

Z114
East
1/8-1/4
0.214 mi.
1129 ft.
Relative:
Higher
Actual:
16 ft.

TORN & JERRY S SERVICE
602 W ANAHEIM ST
LONG BEACH, CA
Site 2 of 9 in cluster Z

EDR Historical Auto Stations

1009015645
N/A

EDR Historical Auto Stations:
Name: KNOWLTON J P
Year: 1924
Type: SERVICE STATIONS OIL AND GAS

Name: BURNAND E G
Year: 1931
Type: GASOLINE AND OIL SERVICE STATIONS

Name: BURNAND E G
Year: 1935
Type: GASOLINE AND OIL SERVICE STATIONS

Name: BURNAND E G
Year: 1939
Type: GASOLINE AND OIL SERVICE STATIONS

Name: BURNAND E G
Year: 1939
Type: GASOLINE AND OIL SERVICE STATIONS

Name: UHL AUTO REPAIR
Year: 1957
Type: AUTOMOBILE REPAIRING

Name: UHL AUTO REPAIR
Year: 1957
Type: AUTOMOBILE REPAIRING

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TORN & JERRY S SERVICE (Continued)

1009015645

Name: TORN & JERRY S SERVICE
Year: 1963
Type: AUTOMOBILE REPAIRING

AA115 NEILL AIRCRAFT COMPANY
West 1260 W 15TH STREET
1/8-1/4 LONG BEACH, CA 90813
0.217 mi.
1146 ft. Site 1 of 2 in cluster AA

RCRA-SQG 1000287667
FINDS CAD982462657
LUST
HAZNET

Relative:
Lower

RCRA-SQG:

Date form received by agency: 09/01/1996
Facility name: NEILL AIRCRAFT COMPANY
Facility address: 1260 W 15TH STREET
LONG BEACH, CA 90813

Actual:
10 ft.

EPA ID: CAD982462657
Contact: Not reported
Contact address: Not reported
Contact country: Not reported
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 09
Land type: Facility is not located on Indian land. Additional information is not known.
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: RAYMOND A NEILL
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: Unknown
Mixed waste (haz. and radioactive): Unknown
Recycler of hazardous waste: No
Transporter of hazardous waste: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NEILL AIRCRAFT COMPANY (Continued)

1000287667

Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: Unknown
Furnace exemption: Unknown
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Verified to be non-commercial

Historical Generators:

Date form received by agency: 12/31/1988
Facility name: NEILL AIRCRAFT COMPANY
Classification: Large Quantity Generator

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 03/09/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State Contractor/Grantee

FINDS:

Registry ID: 110002816356

Environmental Interest/Information System

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

LUST:

Region: STATE
Global Id: T0603701965
Latitude: 33.7854407
Longitude: -118.2084165
Case Type: LUST Cleanup Site
Status: Open - Site Assessment
Status Date: 1998-07-29 00:00:00
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Worker: JH
Local Agency: LONG BEACH/SIGNAL HILL, CITIES OF

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NEILL AIRCRAFT COMPANY (Continued)

1000287667

RB Case Number: 908130543
LOC Case Number: Not reported
File Location: Regional Board
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST REG 4:

Region: 4
Regional Board: 04
County: Los Angeles
facid: 908130543
Status: Pollution Characterization
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater
Abatement Method Used at the Site: Not reported
Global ID: T0603701965
W Global ID: Not reported
Staff: HDN
Local Agency: 19060
Cross Street: 710 FWY
Enforcement Type: LET
Date Leak Discovered: 1/1/1988
Date Leak First Reported: 7/18/1997
Date Leak Record Entered: 4/24/1998
Date Confirmation Began: 7/18/1997
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 11/27/2000
Date the Case was Closed: Not reported
How Leak Discovered: Tank Closure
How Leak Stopped: Not reported
Cause of Leak: Not reported
Leak Source: Not reported
Operator: Not reported
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 16828.558327902106321695975613
Source of Cleanup Funding: Not reported
Preliminary Site Assessment Workplan Submitted: 10/14/1997
Preliminary Site Assessment Began: 12/19/1997
Pollution Characterization Began: 7/29/1998
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: 7/18/1997
Enforcement Action Date: 3/20/2001
Historical Max MTBE Date: 1/1/1965
Hist Max MTBE Conc in Groundwater: 110
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: NEILL RAY
RP Address: 2525 GRAND AVE.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NEILL AIRCRAFT COMPANY (Continued)

1000287667

Program: LUST
Lat/Long: 33.7854407 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: 10/14/97 - WP FOR ADDITIONAL SOIL INVESTIGATION; 03/02/98 - SITE INVESTIGATION REPORT; 06/19/98 - WP SOIL & GW INVESTIGATION WP; 07/16/98 - WP ADDENDUM-ADDL SOIL INVESTIGATION; 11/27/00 GW INVESTIGATION WP

HAZNET:

Gepaid: CAD982462657
Contact: NEILL AIRCRAFT CO
Telephone: 5624327981
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 1260 W 15TH ST
Mailing City,St,Zip: LONG BEACH, CA 908131302
Gen County: Los Angeles
TSD EPA ID: CAT080022148
TSD County: San Bernardino
Waste Category: Other organic solids
Disposal Method: Transfer Station
Tons: 6.9750
Facility County: Los Angeles

Gepaid: CAD982462657
Contact: NEILL AIRCRAFT CO
Telephone: 5624327981
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 1260 W 15TH ST
Mailing City,St,Zip: LONG BEACH, CA 908131302
Gen County: Los Angeles
TSD EPA ID: CAD097030993
TSD County: Los Angeles
Waste Category: Other organic solids
Disposal Method: Disposal, Other
Tons: 3.5000
Facility County: Los Angeles

Gepaid: CAD982462657
Contact: RAYMOND A NEILL
Telephone: 5624327981
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 1260 W 15TH ST
Mailing City,St,Zip: LONG BEACH, CA 908131302
Gen County: Los Angeles
TSD EPA ID: Not reported
TSD County: Los Angeles
Waste Category: Other organic solids
Disposal Method: Transfer Station
Tons: 4.75

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NEILL AIRCRAFT COMPANY (Continued)

1000287667

Facility County: Not reported

Gepaid: CAD982462657
Contact: NEILL AIRCRAFT CO
Telephone: 5624327981
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 1260 W 15TH ST
Mailing City,St,Zip: LONG BEACH, CA 908131302
Gen County: Los Angeles
TSD EPA ID: CAD000088252
TSD County: Los Angeles
Waste Category: Not reported
Disposal Method: Transfer Station
Tons: .0000
Facility County: Los Angeles

Gepaid: CAD982462657
Contact: NEILL AIRCRAFT CO
Telephone: 5624327981
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 1260 W 15TH ST
Mailing City,St,Zip: LONG BEACH, CA 908131302
Gen County: Los Angeles
TSD EPA ID: CAD000088252
TSD County: Los Angeles
Waste Category: Other organic solids
Disposal Method: Transfer Station
Tons: 6.5000
Facility County: Los Angeles

[Click this hyperlink](#) while viewing on your computer to access
9 additional CA_HAZNET: record(s) in the EDR Site Report.

AA116
West
1/8-1/4
0.217 mi.
1146 ft.

NEILL AIRCRAFT INC
1260 W 15TH ST
LONG BEACH, CA
Site 2 of 2 in cluster AA

UST U003659985
N/A

Relative:
Lower

LONG BEACH UST:
Region: LONG BEACH
Tank Code: Not reported
Tank Test: Not reported
Leak Test: Not reported

Actual:
10 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

Z117
East
1/8-1/4
0.217 mi.
1146 ft.

BUCHANAN W O
1318 DAISY AV
LONG BEACH, CA

EDR Historical Auto Stations **1009049217**
N/A

Site 3 of 9 in cluster Z

Relative: EDR Historical Auto Stations:
Higher Name: BUCHANAN W O
Year: 1931
Actual: Type: AUTOMOBILE REPAIRING
15 ft.

Y118
East
1/8-1/4
0.217 mi.
1147 ft.

LONG BEACH BLUEPRINT
1435 DAISY AVE
LONG BEACH, CA

UST **U003660626**
N/A

Site 2 of 3 in cluster Y

Relative: LONG BEACH UST:
Higher Region: LONG BEACH
Tank Code: Not reported
Actual: Tank Test: Not reported
14 ft. Leak Test: Not reported

Z119
East
1/8-1/4
0.217 mi.
1147 ft.

SQUARE DEAL AUTO REPAIR SHOP
1324 DAISY AV
LONG BEACH, CA

EDR Historical Auto Stations **1009050102**
N/A

Site 4 of 9 in cluster Z

Relative: EDR Historical Auto Stations:
Higher Name: SQUARE DEAL AUTO REPAIR SHOP
Year: 1924
Actual: Type: AUTOMOBILE REPAIRING
15 ft.

AB120
East
1/8-1/4
0.218 mi.
1149 ft.

HAMASAKI K
600 W 14TH ST
LONG BEACH, CA

EDR Historical Auto Stations **1009049393**
N/A

Site 1 of 4 in cluster AB

Relative: EDR Historical Auto Stations:
Higher Name: HAMASAKI K
Year: 1939
Actual: Type: GASOLINE AND OIL SERVICE STATIONS
14 ft.

Z121
East
1/8-1/4
0.218 mi.
1150 ft.

MARINE GLASS CO
1350 DAISY AVE
LONG BEACH, CA

UST **U003660624**
N/A

Site 5 of 9 in cluster Z

Relative: LONG BEACH UST:
Higher Region: LONG BEACH
Tank Code: Not reported
Actual: Tank Test: Not reported
15 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MARINE GLASS CO (Continued)

U003660624

Leak Test: Not reported

U122
East
1/8-1/4
0.219 mi.
1154 ft.

H&S IRON WORKS
1501 DAISY AVE
LONG BEACH, CA

Site 2 of 6 in cluster U

UST **U003920390**
N/A

Relative:
Higher

LONG BEACH UST:
Region: LONG BEACH
Tank Code: Not reported
Tank Test: Not reported
Leak Test: Not reported

Actual:
13 ft.

U123
East
1/8-1/4
0.219 mi.
1154 ft.

R & M ENTERPRISES
1501 DAISY AVE
LONG BEACH, CA 90813

Site 3 of 6 in cluster U

HIST CORTESE **S102435591**
LUST **N/A**

Relative:
Higher

CORTESE:
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 908130243

Actual:
13 ft.

LUST:

Region: STATE
Global Id: T0603701938
Latitude: 33.7861199
Longitude: -118.199797
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 1996-11-06 00:00:00
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Worker: YR
Local Agency: LONG BEACH/SIGNAL HILL, CITIES OF
RB Case Number: 908130243
LOC Case Number: Not reported
File Location: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST REG 4:

Region: 4
Regional Board: 04
County: Los Angeles
facid: 908130243
Status: Case Closed
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater
Abatement Method Used at the Site: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

R & M ENTERPRISES (Continued)

S102435591

Global ID: T0603701938
W Global ID: Not reported
Staff: UNK
Local Agency: 19060
Cross Street: 015TH ST
Enforcement Type: Not reported
Date Leak Discovered: 3/11/1992
Date Leak First Reported: 7/6/1995
Date Leak Record Entered: 6/30/1995
Date Confirmation Began: 6/30/1995
Date Leak Stopped: 1/10/1989
Date Case Last Changed on Database: 4/30/1997
Date the Case was Closed: 11/6/1996
How Leak Discovered: Tank Closure
How Leak Stopped: Not reported
Cause of Leak: Overfill
Leak Source: UNK
Operator: RICHARD WHITESELL
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 15015.065590750350801097262421
Source of Cleanup Funding: UNK
Preliminary Site Assessment Workplan Submitted: 4/30/1996
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: Not reported
Remediation Plan Submitted: 6/5/1996
Remedial Action Underway: 11/3/1996
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: BLANK RP
RP Address: 1501 DAISY AVE LONG BEACH CA 90813
Program: LUST
Lat/Long: 33.7857706 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: DEPTH TO GRNWTR 13FT BGS. IN SOIL ABOVE WATER TABLE HAVE: 15,000
MG/KG TPH, 830 MG/KG XYLENES: IN SOIL BELOW WATER TABLE HAVE 220
TPH, 2.6 XYLENES.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

AB124 **FAULDS WM** **EDR Historical Auto Stations** **1009016803**
East **1388 DAISY AV** **N/A**
1/8-1/4 **LONG BEACH, CA**
0.219 mi.
1154 ft. **Site 2 of 4 in cluster AB**

Relative: EDR Historical Auto Stations:
Higher Name: FAULDS WM
Year: 1935
Actual: Type: AUTOMOBILE REPAIRING
14 ft.
Name: FAULDS WM
Year: 1935
Type: AUTOMOBILE REPAIRS
Name: FAULDS WM
Year: 1939
Type: AUTOMOBILE REPAIRING

AB125 **UNION OVERALL CLEANERS** **EDR Historical Cleaners** **1009142480**
East **1388 DAISY AVE** **N/A**
1/8-1/4 **LONG BEACH, CA**
0.219 mi.
1154 ft. **Site 3 of 4 in cluster AB**

Relative: EDR Historical Cleaners:
Higher Name: CLEAN RITE LAUNDRY
Year: 1931
Actual: Type: LAUNDRIES-STEAM
14 ft.
Name: UNION OVERALL CLEANERS
Year: 1944
Type: CLOTHES PRESSERS AND CLEANERS
Name: UNION OVERALL CLEANERS
Year: 1944
Type: CLOTHES PRESSERS AND CLEANERS

AC126 **BT EQUIPMENT CO., INC.** **NPDES** **U001566291**
West **1255 W 17TH ST** **HIST UST** **N/A**
1/8-1/4 **LONG BEACH, CA 90813**
0.219 mi.
1155 ft. **Site 1 of 10 in cluster AC**

Relative: NPDES:
Lower Npdes Number: Not reported
Facility Status: Active
Actual: Agency Id: 6595
12 ft. Region: 4
Regulatory Measure Id: 189416
Order No: 97-03-DWQ
Regulatory Measure Type: Storm water industrial
Place Id: 212060
WDID: 4 19I004736
Program Type: INDSTW
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: 1992-04-07 00:00:00
Expiration Date Of Regulatory Measure: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BT EQUIPMENT CO., INC. (Continued)

U001566291

Termination Date Of Regulatory Measure: Not reported
Discharge Name: BT Equipment Co
Discharge Address: 1250 W 17th St
Discharge City: Long Beach
Discharge State: CA
Discharge Zip: 90813-1310

HIST UST:

Region: STATE
Facility ID: 00000033974
Facility Type: Other
Other Type: GARAGE
Total Tanks: 0004
Contact Name: DAN BERNS
Telephone: 2134370471
Owner Name: B.T. EQUIPMENT CO. INC.
Owner Address: 1255 W. 17TH ST.
Owner City,St,Zip: LONG BEACH, CA 90813

Tank Num: 001
Container Num: 1
Year Installed: Not reported
Tank Capacity: 00000000
Tank Used for: WASTE
Type of Fuel: Not reported
Tank Construction: Not reported
Leak Detection: None

Tank Num: 002
Container Num: 101
Year Installed: Not reported
Tank Capacity: 00000500
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Tank Construction: Not reported
Leak Detection: None

Tank Num: 003
Container Num: 102
Year Installed: Not reported
Tank Capacity: 00000500
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Tank Construction: Not reported
Leak Detection: None

Tank Num: 004
Container Num: 103
Year Installed: Not reported
Tank Capacity: 00000500
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Tank Construction: Not reported
Leak Detection: None

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

AC127
West
1/8-1/4
0.219 mi.
1155 ft.

BERNS CO
1255 W 17TH ST
LONG BEACH, CA
Site 2 of 10 in cluster AC

UST U003660020
N/A

Relative:
Lower

LONG BEACH UST:
Region: LONG BEACH
Tank Code: Not reported
Tank Test: Not reported
Leak Test: Not reported

Actual:
12 ft.

U128
East
1/8-1/4
0.219 mi.
1157 ft.

VACANT
0600 W 15TH ST
LONG BEACH, CA
Site 4 of 6 in cluster U

UST U003854650
N/A

Relative:
Higher

LONG BEACH UST:
Region: LONG BEACH
Tank Code: Not reported
Tank Test: Not reported
Leak Test: Not reported

Actual:
13 ft.

U129
East
1/8-1/4
0.219 mi.
1157 ft.

AIR CARGO EQUIPMENT CORP
600 W 15TH ST
LONG BEACH, CA 90813
Site 5 of 6 in cluster U

RCRA-SQG 1000106249
FINDS CAD095135810
CA FID UST
HIST UST
SWEEPS UST
HAZNET

Relative:
Higher

RCRA-SQG:
Date form received by agency: 09/01/1996
Facility name: AIR CARGO EQUIPMENT CORP
Facility address: 600 W 15TH ST
LONG BEACH, CA 90813
EPA ID: CAD095135810
Mailing address: W 15TH ST
LONG BEACH, CA 90813
Contact: Not reported
Contact address: Not reported
Not reported
Contact country: Not reported
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: PUBLIC
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AIR CARGO EQUIPMENT CORP (Continued)

1000106249

Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999

Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: Unknown
Mixed waste (haz. and radioactive): Unknown
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: Unknown
Furnace exemption: Unknown
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Verified to be non-commercial

Violation Status: No violations found

FINDS:

Registry ID: 110002664581

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

CA FID UST:

Facility ID: 19056672
Regulated By: UTNKA
Regulated ID: 00034141
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 2134356341
Mail To: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AIR CARGO EQUIPMENT CORP (Continued)

1000106249

Mailing Address: 600 W 015TH ST
Mailing Address 2: Not reported
Mailing City,St,Zip: LONG BEACH 90813
Contact: Not reported
Contact Phone: Not reported
DUNS Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

HIST UST:

Region: STATE
Facility ID: 00000034141
Facility Type: Not reported
Other Type: Not reported
Total Tanks: 0002
Contact Name: J.R. FIRESTONE
Telephone: 2134356341
Owner Name: AIR CARGO EQUIPMENT CORP.
Owner Address: 665 WEST COWLES
Owner City,St,Zip: LONG BEACH, CA 9083

Tank Num: 001
Container Num: 1
Year Installed: Not reported
Tank Capacity: 00000000
Tank Used for: PRODUCT
Type of Fuel: 06
Tank Construction: Not reported
Leak Detection: None

Tank Num: 002
Container Num: 2
Year Installed: Not reported
Tank Capacity: 00000000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Tank Construction: Not reported
Leak Detection: None

SWEEPS UST:

Status: A
Comp Number: 34141
Number: 9
Board Of Equalization: 44-013495
Ref Date: 07-01-85
Act Date: Not reported
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: 1
Swrcb Tank Id: 19-060-034141-000001
Actv Date: 07-01-85
Capacity: Not reported
Tank Use: M.V. FUEL
Stg: P

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AIR CARGO EQUIPMENT CORP (Continued)

1000106249

Content: AVIA. GAS
Number Of Tanks: 2

Status: A
Comp Number: 34141
Number: 9
Board Of Equalization: 44-013495
Ref Date: 07-01-85
Act Date: Not reported
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: 2
Swrcb Tank Id: 19-060-034141-000002
Actv Date: 07-01-85
Capacity: Not reported
Tank Use: M.V. FUEL
Stg: P
Content: REG UNLEADED
Number Of Tanks: Not reported

HAZNET:

Gepaid: CAL000179687
Contact: MYRNA BERMUDEZ
Telephone: 5626280071
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 600 W 15TH ST
Mailing City,St,Zip: LONG BEACH, CA 908131508
Gen County: Los Angeles
TSD EPA ID: CAD008364432
TSD County: Los Angeles
Waste Category: Other organic solids
Disposal Method: H141
Tons: 0.07
Facility County: Los Angeles

AB130
East
1/8-1/4
0.219 mi.
1157 ft.

NEAL FASHION
1402 DAISY AVE
LONG BEACH, CA
Site 4 of 4 in cluster AB

UST U003660625
N/A

Relative:
Higher

LONG BEACH UST:
Region: LONG BEACH
Tank Code: Not reported
Tank Test: Not reported
Leak Test: Not reported

Actual:
14 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

Y131
East
1/8-1/4
0.219 mi.
1158 ft.

1450 DAISY AVE
LONG BEACH, CA
Site 3 of 3 in cluster Y

UST **U003919946**
N/A

Relative:
Higher

LONG BEACH UST:
Region: LONG BEACH
Tank Code: Not reported
Tank Test: Not reported
Leak Test: Not reported

Actual:
13 ft.

U132
East
1/8-1/4
0.220 mi.
1163 ft.

1500 DAISY AVE
LONG BEACH, CA
Site 6 of 6 in cluster U

UST **U003919947**
N/A

Relative:
Higher

LONG BEACH UST:
Region: LONG BEACH
Tank Code: Not reported
Tank Test: Not reported
Leak Test: Not reported

Actual:
13 ft.

AC133
West
1/8-1/4
0.220 mi.
1163 ft.

B-T EQUIPMENT CO INC
1259 W 17TH ST
LONG BEACH, CA 90813
Site 3 of 10 in cluster AC

RCRA-SQG **1000112862**
FINDS **CAD000036558**

Relative:
Lower

RCRA-SQG:
Date form received by agency: 09/01/1996
Facility name: B-T EQUIPMENT CO INC
Facility address: 1259 W 17TH ST
LONG BEACH, CA 90813
EPA ID: CAD000036558
Contact: Not reported
Contact address: Not reported
Contact country: Not reported
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 09
Land type: Facility is not located on Indian land. Additional information is not known.
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Actual:
12 ft.

Owner/Operator Summary:
Owner/operator name: BERNIS BROS INC.
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

B-T EQUIPMENT CO INC (Continued)

1000112862

Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: Unknown
Mixed waste (haz. and radioactive): Unknown
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: Unknown
Furnace exemption: Unknown
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Verified to be non-commercial

Historical Generators:

Date form received by agency: 06/30/1980
Facility name: B-T EQUIPMENT CO INC
Classification: Large Quantity Generator

Facility Has Received Notices of Violations:

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 05/13/1988
Date achieved compliance: 01/01/1989
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 05/13/1988
Evaluation: FOCUSED COMPLIANCE INSPECTION

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

B-T EQUIPMENT CO INC (Continued)

1000112862

Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/13/1988
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 01/01/1989
Evaluation lead agency: State

FINDS:

Registry ID: 110002626123

Environmental Interest/Information System

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

AD134
West
1/8-1/4
0.220 mi.
1164 ft.

SNEED JOHN J
1265 W 16TH ST
LONG BEACH, CA

EDR Historical Auto Stations **1009018188**
N/A

Site 1 of 6 in cluster AD

Relative:
Lower

EDR Historical Auto Stations:
Name: SNEED JOHN J
Year: 1963
Type: AUTOMOBILE REPAIRING

Actual:
11 ft.

AD135
West
1/8-1/4
0.220 mi.
1164 ft.

ORGANIC COMPOUNDS INC
1265 W 16TH ST
LONG BEACH, CA

UST **U003660001**
N/A

Site 2 of 6 in cluster AD

Relative:
Lower

LONG BEACH UST:
Region: LONG BEACH
Tank Code: Not reported
Tank Test: Not reported
Leak Test: Not reported

Actual:
11 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AD136
West
1/8-1/4
0.220 mi.
1164 ft.
ORGANIC COMPOUNDS INC
1265 W 16TH ST
LONG BEACH, CA 90813
Site 3 of 6 in cluster AD

CERC-NFRAP
1003878280
CAD008365041

Relative:
Lower

CERC-NFRAP:
Site ID: 0901085
Federal Facility: Not a Federal Facility
NPL Status: Not on the NPL
Non NPL Status: NFRAP

Actual:
11 ft.

CERCLIS-NFRAP Site Contact Name(s):

Contact Title: Not reported
Contact Name: Carl Brickner
Contact Tel: (415) 972-3814

Contact Title: Not reported
Contact Name: Brunilda Davila
Contact Tel: (415) 972-3162

Contact Title: Not reported
Contact Name: Jeff Inglis
Contact Tel: (415) 972-3095

Contact Title: Not reported
Contact Name: Karen Jurist
Contact Tel: (415) 972-3219

Contact Title: Not reported
Contact Name: Matt Mitguard
Contact Tel: (415) 972-3096

CERCLIS-NFRAP Assessment History:

Action: DISCOVERY
Date Started: Not reported
Date Completed: 11/01/1985
Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT
Date Started: 09/01/1985
Date Completed: 06/01/1986
Priority Level: NFRAP: No further Remedial Action planned

Action: ARCHIVE SITE
Date Started: Not reported
Date Completed: 06/01/1986
Priority Level: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

W137
East
1/8-1/4
0.221 mi.
1166 ft.

1645 DAISY AVE
LONG BEACH, CA

Site 3 of 5 in cluster W

Relative:
Lower

LONG BEACH UST:

Region: LONG BEACH
Tank Code: Not reported
Tank Test: Not reported
Leak Test: Not reported

Actual:
12 ft.

UST **U003919949**
N/A

T138
East
1/8-1/4
0.222 mi.
1172 ft.

1600 DAISY AVE
LONG BEACH, CA

Site 2 of 2 in cluster T

Relative:
Higher

LONG BEACH UST:

Region: LONG BEACH
Tank Code: Not reported
Tank Test: Not reported
Leak Test: Not reported

Actual:
14 ft.

UST **U003919948**
N/A

W139
East
1/8-1/4
0.222 mi.
1173 ft.

FINE QUALITY METAL FINISHING, INC.
1640 DAISY AVENUE
LONG BEACH, CA 90813

Site 4 of 5 in cluster W

Relative:
Higher

RCRA-LQG:

Date form received by agency: 01/06/2009
Facility name: FINE QUALITY METAL FINISHING, INC.
Facility address: 1640 DAISY AVENUE
LONG BEACH, CA 90813
EPA ID: CAR000197533
Mailing address: DAISY AVENUE
LONG BEACH, CA 90813
Contact: JOHN J ESFANDI
Contact address: DAISY AVENUE
LONG BEACH, CA 90813
Contact country: US
Contact telephone: (562) 432-2248
Contact email: JESFANDI@AOL.COM
EPA Region: 09
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

RCRA-LQG **1012175938**
CAR000197533

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FINE QUALITY METAL FINISHING, INC. (Continued)

1012175938

Owner/Operator Summary:

Owner/operator name: FINE QUALITY METAL FINISHING, INC.
Owner/operator address: DAISY AVENUE
LONG BEACH, CA 90813
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 04/14/1984
Owner/Op end date: Not reported

Owner/operator name: FINE QUALITY METAL FINISHING, INC.
Owner/operator address: DAISY AVENUE
LONG BEACH, CA 90813
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 04/14/1984
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Commercial status unknown

Universal Waste Summary:

Waste type: Batteries
Accumulated waste on-site: No
Generated waste on-site: Not reported

Waste type: Lamps
Accumulated waste on-site: No
Generated waste on-site: Not reported

Waste type: Pesticides
Accumulated waste on-site: No
Generated waste on-site: Not reported

Waste type: Thermostats
Accumulated waste on-site: No
Generated waste on-site: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FINE QUALITY METAL FINISHING, INC. (Continued)

1012175938

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D007
Waste name: CHROMIUM

Waste code: F003
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: F006
Waste name: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

Violation Status: No violations found

W140
East
1/8-1/4
0.222 mi.
1173 ft.
R & M PLATING COMPANY
1640 DAISY STREET
LONG BEACH, CA 90813
Site 5 of 5 in cluster W

RCRA-SQG
FINDS
HIST UST
1000122992
CAD008263733

Relative:
Higher

RCRA-SQG:

Actual:
13 ft.

Date form received by agency: 09/01/1996
Facility name: R & M PLATING COMPANY
Facility address: 1640 DAISY STREET
LONG BEACH, CA 90813
EPA ID: CAD008263733
Contact: Not reported
Contact address: Not reported
Contact country: Not reported
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

R & M PLATING COMPANY (Continued)

1000122992

hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: R&M PLATING
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: Unknown
Mixed waste (haz. and radioactive): Unknown
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: Unknown
Furnace exemption: Unknown
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Verified to be non-commercial

Historical Generators:

Date form received by agency: 08/12/1980
Facility name: R & M PLATING COMPANY
Classification: Large Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110002631233

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

R & M PLATING COMPANY (Continued)

1000122992

Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HIST UST:

Region: STATE
Facility ID: 00000017604
Facility Type: Other
Other Type: PLATING
Total Tanks: 0001
Contact Name: OWNER
Telephone: 2134322248
Owner Name: ANITA QUINONES
Owner Address: 1640 DAISY AVE
Owner City,St,Zip: LONG BEACH, CA 90813

Tank Num: 001
Container Num: 1
Year Installed: 1975
Tank Capacity: 00001800
Tank Used for: WASTE
Type of Fuel: Not reported
Tank Construction: Not reported
Leak Detection: Visual

AC141
West
1/8-1/4
0.223 mi.
1177 ft.

D & S LAUNDERALL SERVICE
1265 W 17TH ST
LONG BEACH, CA

EDR Historical Cleaners **1009143218**
N/A

Site 4 of 10 in cluster AC

Relative:
Lower

EDR Historical Cleaners:
Name: D & S LAUNDERALL SERVICE
Year: 1952
Type: LAUNDRIES SELF SERVE

Actual:
12 ft.

Name: D & S LAUNDERALL SERVICE
Year: 1952
Type: LAUNDRIES SELF SERVE

Z142
ESE
1/8-1/4
0.227 mi.
1196 ft.

FIRE STATION 3
1222 DAISY AVE
LONG BEACH, CA

UST **U003660623**
N/A

Site 6 of 9 in cluster Z

Relative:
Higher

LONG BEACH UST:
Region: LONG BEACH
Tank Code: Not reported
Tank Test: Not reported
Leak Test: Not reported

Actual:
23 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

X143
East
1/8-1/4
0.230 mi.
1217 ft.

LEW S CHINESE LAUNDRY & CLEANERS
630 W PACIFIC COAST HWY
LONG BEACH, CA

EDR Historical Cleaners

1009143403
N/A

Site 2 of 2 in cluster X

Relative:
Lower

EDR Historical Cleaners:

Name: QUAN LEE
Year: 1944
Type: LAUNDRIES-HAND

Actual:
12 ft.

Name: QUAN LEE
Year: 1944
Type: LAUNDRIES HAND

Name: LEW W L
Year: 1948
Type: LAUNDRIES CHINESE

Name: LEW W L
Year: 1948
Type: LAUNDRIES CHINESE

Name: QUAN LEE LAUNDRY
Year: 1952
Type: LAUNDRIES SELF SERVE

Name: QUAN LEE LAUNDRY
Year: 1957
Type: LAUNDRIES

Name: QUAN LEE LAUNDRY
Year: 1957
Type: LAUNDRIES

Name: QUAI LEE LAUNDRY
Year: 1963
Type: LAUNDRIES AND DRY CLEANING

Name: QUAI LEE LAUNDRY
Year: 1963
Type: LAUNDRIES AND DRY CLEANING

Name: LEW S CHINESE LAUNDRY & CLEANERS
Year: 1969
Type: LAUNDRIES

Name: LEW S CHINESE LAUNDRY & CLEANERS
Year: 1969
Type: LAUNDRIES

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AC144 **ACME OIL CO (MCMULLEN OIL)**
West **1651 FASHION AVE.**
1/8-1/4 **LONG BEACH, CA 90813**
0.239 mi.
1264 ft. **Site 5 of 10 in cluster AC**

LUST **S105692352**
 N/A

Relative:
Lower

LUST REG 4:

Actual:
12 ft.

Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facid:	908130189	
Status:	Preliminary site assessment underway	
Substance:	Gasoline	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Groundwater	
Abatement Method Used at the Site:	Not reported	
Global ID:	T0603701931	
W Global ID:	Not reported	
Staff:	HSP	
Local Agency:	19060	
Cross Street:	PCH	
Enforcement Type:	DLSEL	
Date Leak Discovered:	Not reported	
Date Leak First Reported:	4/26/1985	
Date Leak Record Entered:	6/17/1988	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:	7/9/2002	
Date the Case was Closed:	Not reported	
How Leak Discovered:	Not reported	
How Leak Stopped:	Not reported	
Cause of Leak:	Not reported	
Leak Source:	Not reported	
Operator:	Not reported	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):	16162.194814768244664684985167	
Source of Cleanup Funding:	Not reported	
Preliminary Site Assessment Workplan Submitted:	7/18/2002	
Preliminary Site Assessment Began:	2/27/2004	
Pollution Characterization Began:	4/10/1985	
Remediation Plan Submitted:	Not reported	
Remedial Action Underway:	Not reported	
Post Remedial Action Monitoring Began:	Not reported	
Enforcement Action Date:	9/29/2000	
Historical Max MTBE Date:	5/4/2004	
Hist Max MTBE Conc in Groundwater:	374	
Hist Max MTBE Conc in Soil:	0	
Significant Interim Remedial Action Taken:	Not reported	
GW Qualifier:	=	
Soil Qualifier:	ND	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	MR. EDWARD REYNOLDS	
RP Address:	PO BOX 3149	
Program:	LUST	
Lat/Long:	33.7873227 / -1	
Local Agency Staff:	Not reported	

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ACME OIL CO (MCMULLEN OIL) (Continued)

S105692352

Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: Not reported

AC145 WESTERN WOOD PRODUCTS
West 1701 FASHION AVE
1/8-1/4 LONG BEACH, CA
0.239 mi.
1264 ft. Site 6 of 10 in cluster AC

UST U003660700
N/A

Relative: LONG BEACH UST:
Lower Region: LONG BEACH
Tank Code: Not reported
Actual: Tank Test: Not reported
12 ft. Leak Test: Not reported

AC146 ACME OIL COMPANY
West 1651 FASHION ST
1/8-1/4 LONG BEACH, CA 90813
0.239 mi.
1264 ft. Site 7 of 10 in cluster AC

CA FID UST S101588352
SWEEPS UST N/A

Relative: CA FID UST:
Lower Facility ID: 19056697
Regulated By: UTNKA
Actual: Regulated ID: 00050676
12 ft. Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 3104370487
Mail To: Not reported
Mailing Address: 10122 FREEMAN
Mailing Address 2: Not reported
Mailing City,St,Zip: LONG BEACH 90813
Contact: Not reported
Contact Phone: Not reported
DUNS Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

SWEEPS UST:
Status: A
Comp Number: 50676
Number: 1
Board Of Equalization: 44-013581
Ref Date: 03-18-92
Act Date: 03-18-92
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: 1
Swrcb Tank Id: 19-060-050676-000001
Actv Date: 07-01-85

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ACME OIL COMPANY (Continued)

S101588352

Capacity: 8000
Tank Use: M.V. FUEL
Stg: P
Content: DIESEL
Number Of Tanks: 7

Status: A
Comp Number: 50676
Number: 1
Board Of Equalization: 44-013581
Ref Date: 03-18-92
Act Date: 03-18-92
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: 2
Swrcb Tank Id: 19-060-050676-000002
Actv Date: 07-01-85
Capacity: 6000
Tank Use: M.V. FUEL
Stg: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: A
Comp Number: 50676
Number: 1
Board Of Equalization: 44-013581
Ref Date: 03-18-92
Act Date: 03-18-92
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: 3
Swrcb Tank Id: 19-060-050676-000003
Actv Date: 07-01-85
Capacity: 4000
Tank Use: M.V. FUEL
Stg: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: A
Comp Number: 50676
Number: 1
Board Of Equalization: 44-013581
Ref Date: 03-18-92
Act Date: 03-18-92
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: 4
Swrcb Tank Id: 19-060-050676-000004
Actv Date: 07-01-85
Capacity: 3000
Tank Use: M.V. FUEL
Stg: P
Content: DIESEL
Number Of Tanks: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ACME OIL COMPANY (Continued)

S101588352

Status: A
Comp Number: 50676
Number: 1
Board Of Equalization: 44-013581
Ref Date: 03-18-92
Act Date: 03-18-92
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: 5
Swrcb Tank Id: 19-060-050676-000005
Actv Date: 07-01-85
Capacity: 3000
Tank Use: M.V. FUEL
Stg: P
Content: DIESEL
Number Of Tanks: Not reported

Status: A
Comp Number: 50676
Number: 1
Board Of Equalization: 44-013581
Ref Date: 03-18-92
Act Date: 03-18-92
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: 6
Swrcb Tank Id: 19-060-050676-000006
Actv Date: 07-01-85
Capacity: 1000
Tank Use: M.V. FUEL
Stg: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: A
Comp Number: 50676
Number: 1
Board Of Equalization: 44-013581
Ref Date: 03-18-92
Act Date: 03-18-92
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: 7
Swrcb Tank Id: 19-060-050676-000007
Actv Date: 07-01-85
Capacity: 300
Tank Use: OIL
Stg: W
Content: WASTE OIL
Number Of Tanks: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AC147
West
1/8-1/4
0.239 mi.
1264 ft.
MCMULLEN OIL CO.
1651 FASHION AVE.
LONG BEACH, CA 90813
Site 8 of 10 in cluster AC

LUST **S109284086**
N/A

Relative:
Lower

LUST:

Region: STATE
Global Id: T0603701931
Latitude: 33.7873227
Longitude: -118.2088426
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 2004-08-06 00:00:00
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Worker: NB
Local Agency: LONG BEACH/SIGNAL HILL, CITIES OF
RB Case Number: 908130189
LOC Case Number: Not reported
File Location: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

Actual:
12 ft.

AC148
West
1/8-1/4
0.241 mi.
1275 ft.
UNKNOWN
1301 W 17TH ST
LONG BEACH, CA
Site 9 of 10 in cluster AC

UST **U003854659**
N/A

Relative:
Lower

LONG BEACH UST:

Region: LONG BEACH
Tank Code: Not reported
Tank Test: Not reported
Leak Test: Not reported

Actual:
12 ft.

V149
West
1/8-1/4
0.241 mi.
1275 ft.
LODI TRUCK SERVICE
1300 W COWLES ST
LONG BEACH, CA 90813
Site 7 of 10 in cluster V

HIST UST **U001566305**
N/A

Relative:
Lower

HIST UST:

Region: STATE
Facility ID: 00000041452
Facility Type: Other
Other Type: TRUCK SERVICE
Total Tanks: 0002
Contact Name: PAUL WATSON
Telephone: 2134365285
Owner Name: LODI TRUCK SERVICE CORPORATION
Owner Address: 1430 CHEROKEE LANE
Owner City,St,Zip: LODI, CA 95241

Actual:
12 ft.

Tank Num: 001
Container Num: 5
Year Installed: 1980
Tank Capacity: 00010000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LODI TRUCK SERVICE (Continued)

U001566305

Tank Used for: PRODUCT
Type of Fuel: DIESEL
Tank Construction: Not reported
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: 6
Year Installed: 1980
Tank Capacity: 00002000
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Tank Construction: Not reported
Leak Detection: Stock Inventor, None

V150 **LODI TRUCK SERVICE**
West **1300 COWLES ST**
1/8-1/4 **LONG BEACH, CA 90813**
0.241 mi.
1275 ft. **Site 8 of 10 in cluster V**

CA FID UST **S101618207**
SWEEPS UST **N/A**

Relative:
Lower

CA FID UST:
Facility ID: 19056684
Regulated By: UTNKA
Regulated ID: 00041452
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 2134365285
Mail To: Not reported
Mailing Address: 1300 COWLES ST
Mailing Address 2: Not reported
Mailing City,St,Zip: LONG BEACH 90813
Contact: Not reported
Contact Phone: Not reported
DUNS Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

Actual:
12 ft.

SWEEPS UST:

Status: A
Comp Number: 41452
Number: 9
Board Of Equalization: 44-013537
Ref Date: 07-01-85
Act Date: Not reported
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: 5
Swrcb Tank Id: 19-060-041452-000001
Actv Date: 07-01-85
Capacity: 10000
Tank Use: M.V. FUEL
Stg: P
Content: DIESEL
Number Of Tanks: 2

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LODI TRUCK SERVICE (Continued)

S101618207

Status: A
Comp Number: 41452
Number: 9
Board Of Equalization: 44-013537
Ref Date: 07-01-85
Act Date: Not reported
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: 6
Swrcb Tank Id: 19-060-041452-000002
Actv Date: 07-01-85
Capacity: 2000
Tank Use: M.V. FUEL
Stg: P
Content: LEADED
Number Of Tanks: Not reported

V151
West
1/8-1/4
0.241 mi.
1275 ft.

VACANT
1300 W COWLES ST
LONG BEACH, CA
Site 9 of 10 in cluster V

UST U003660597
N/A

Relative:
Lower

LONG BEACH UST:
Region: LONG BEACH
Tank Code: Not reported
Tank Test: Not reported
Leak Test: Not reported

Actual:
12 ft.

Z152
East
1/8-1/4
0.244 mi.
1286 ft.

WAYMAN HENRY
565 W ANAHEIM ST
LONG BEACH, CA
Site 7 of 9 in cluster Z

EDR Historical Auto Stations 1009017318
N/A

Relative:
Higher

EDR Historical Auto Stations:
Name: WAYMAN HENRY
Year: 1939
Type: AUTOMOBILE REPAIRING

Actual:
18 ft.

AD153
West
1/8-1/4
0.245 mi.
1293 ft.

ACME OIL COMPANY
1305 W 16TH ST
LONG BEACH, CA 90813
Site 4 of 6 in cluster AD

HIST UST U001566284
N/A

Relative:
Lower

HIST UST:
Region: STATE
Facility ID: 00000050676
Facility Type: Gas Station
Other Type: Not reported
Total Tanks: 0007
Contact Name: NEIL G. FERRIS
Telephone: 2134370486
Owner Name: ACME OIL COMPANY

Actual:
11 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ACME OIL COMPANY (Continued)

U001566284

Owner Address: 1305 W. 16TH STREET
Owner City,St,Zip: LONG BEACH, CA 90813

Tank Num: 001
Container Num: 1
Year Installed: Not reported
Tank Capacity: 00008000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Tank Construction: Not reported
Leak Detection: Visual, Stock Inventor

Tank Num: 002
Container Num: 2
Year Installed: Not reported
Tank Capacity: 00006000
Tank Used for: PRODUCT
Type of Fuel: PREMIUM
Tank Construction: Not reported
Leak Detection: Visual, Stock Inventor

Tank Num: 003
Container Num: 3
Year Installed: Not reported
Tank Capacity: 00004000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Tank Construction: Not reported
Leak Detection: Visual, Stock Inventor

Tank Num: 004
Container Num: 4
Year Installed: Not reported
Tank Capacity: 00003000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Tank Construction: Not reported
Leak Detection: Visual, Stock Inventor

Tank Num: 005
Container Num: 5
Year Installed: Not reported
Tank Capacity: 00003000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Tank Construction: Not reported
Leak Detection: Visual, Stock Inventor

Tank Num: 006
Container Num: 6
Year Installed: Not reported
Tank Capacity: 00001000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Tank Construction: Not reported
Leak Detection: Visual, Stock Inventor

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ACME OIL COMPANY (Continued)

U001566284

Tank Num: 007
Container Num: 7
Year Installed: Not reported
Tank Capacity: 00000300
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Tank Construction: Not reported
Leak Detection: Not reported

AD154
West
1/8-1/4
0.245 mi.
1293 ft.

MC MULLEN OIL COMPANY
1305 W 16TH ST
LONG BEACH, CA
Site 5 of 6 in cluster AD

UST U003660002
N/A

Relative:
Lower

LONG BEACH UST:
Region: LONG BEACH
Tank Code: Not reported
Tank Test: Not reported
Leak Test: Not reported

Actual:
11 ft.

155
South
1/8-1/4
0.245 mi.
1294 ft.

1020 DE FOREST AVE
LONG BEACH, CA

UST U003919952
N/A

Relative:
Higher

LONG BEACH UST:
Region: LONG BEACH
Tank Code: Not reported
Tank Test: Not reported
Leak Test: Not reported

Actual:
13 ft.

Z156
East
1/8-1/4
0.246 mi.
1301 ft.

FINGADO & ELDRED
561 W ANAHEIM ST
LONG BEACH, CA

EDR Historical Auto Stations 1009015273
N/A

Site 8 of 9 in cluster Z

Relative:
Higher

EDR Historical Auto Stations:
Name: FINGADO & ELDRED
Year: 1939
Type: GASOLINE AND OIL SERVICE STATIONS

Actual:
18 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

157
ENE
1/8-1/4
0.247 mi.
1306 ft.

1773 DAISY AVE
LONG BEACH, CA

UST U003919950
N/A

Relative:
Lower

LONG BEACH UST:

Region: LONG BEACH
Tank Code: Not reported
Tank Test: Not reported
Leak Test: Not reported

Actual:
12 ft.

V158
West
1/8-1/4
0.249 mi.
1313 ft.

COMMERCIAL SIGN SUPPLIES
1309 COWLES ST
LONG BEACH, CA 90813

RCRA-SQG 1000597361
FINDS CAD983613670
HAZNET

Site 10 of 10 in cluster V

Relative:
Lower

RCRA-SQG:

Date form received by agency: 11/19/1991
Facility name: COMMERCIAL SIGN SUPPLIES
Facility address: 1309 COWLES ST
LONG BEACH, CA 90813
EPA ID: CAD983613670
Contact: HANS JUNKER
Contact address: 1309 COWLES ST
LONG BEACH, CA 90813
Contact country: US
Contact telephone: (213) 590-0347
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Actual:
12 ft.

Owner/Operator Summary:

Owner/operator name: HANS JUNKER
Owner/operator address: 1309 COWLES ST
LONG BEACH, CA 90813
Owner/operator country: Not reported
Owner/operator telephone: (213) 590-0347
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): Unknown
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

COMMERCIAL SIGN SUPPLIES (Continued)

1000597361

Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Verified to be non-commercial

Violation Status: No violations found

FINDS:

Registry ID: 110002865230

Environmental Interest/Information System

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZNET:

Gepaid: CAD983613670
Contact: TONY MELENA-MANAGER
Telephone: 5625900347
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 1309 COWLES ST
Mailing City,St,Zip: LONG BEACH, CA 908130000
Gen County: Los Angeles
TSD EPA ID: CAT000613976
TSD County: Orange
Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method: H141
Tons: 0.018
Facility County: Los Angeles

AD159
West
1/4-1/2
0.255 mi.
1344 ft.

ACME OIL CO (MCMULLEN OIL
1305 016TH
LONG BEACH, CA 90813

HIST CORTESE **S104159966**
N/A

Site 6 of 6 in cluster AD

Relative:
Lower

CORTESE:
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 908130189

Actual:
12 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

AC160
West
1/4-1/2
0.262 mi.
1382 ft.

HYDRO SERVICES CO
1322 17TH ST
LONG BEACH, CA 90813

Site 10 of 10 in cluster AC

RCRA-SQG
FINDS
HIST CORTESE
UST

1000366351
CAD982025496

Relative:
Lower

RCRA-SQG:

Actual:
12 ft.

Date form received by agency: 08/17/1987
Facility name: HYDRO SERVICES CO
Facility address: 1322 17TH ST
LONG BEACH, CA 90813
EPA ID: CAD982025496
Mailing address: 17TH ST
LONG BEACH, CA 90813
Contact: ENVIRONMENTAL MANAGER
Contact address: 1322 17TH ST
LONG BEACH, CA 90813
Contact country: US
Contact telephone: (213) 436-0143
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: RICHARD MCMALO PRESIDENT
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): Unknown
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HYDRO SERVICES CO (Continued)

1000366351

Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Verified to be non-commercial

Violation Status: No violations found

FINDS:

Registry ID: 110009542496

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

CORTESE:

Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 908130516

LONG BEACH UST:

Region: LONG BEACH
Tank Code: Not reported
Tank Test: Not reported
Leak Test: Not reported

Z161
East
1/4-1/2
0.264 mi.
1395 ft.

HARBOR DIESEL & EQUIPMENT INC
0537 W ANAHEIM ST
LONG BEACH, CA
Site 9 of 9 in cluster Z

HIST CORTESE
LUST
UST
HAZNET

U003660140
N/A

Relative:
Higher

CORTESE:
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 908130125

Actual:
22 ft.

LUST:

Region: STATE
Global Id: T0603701927
Latitude: 33.782925
Longitude: -118.198342
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 1987-11-23 00:00:00
Lead Agency: LOS ANGELES RWQCB (REGION 4)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HARBOR DIESEL & EQUIPMENT INC (Continued)

U003660140

Case Worker: YR
Local Agency: LONG BEACH/SIGNAL HILL, CITIES OF
RB Case Number: 908130125
LOC Case Number: Not reported
File Location: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Diesel
Site History: Not reported

LUST REG 4:

Region: 4
Regional Board: 04
County: Los Angeles
facid: 908130125
Status: Case Closed
Substance: Diesel
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: CBCD
Global ID: T0603701927
W Global ID: Not reported
Staff: UNK
Local Agency: 19060
Cross Street: MAGNOLIA
Enforcement Type: Not reported
Date Leak Discovered: Not reported
Date Leak First Reported: 8/22/1986
Date Leak Record Entered: 9/9/1987
Date Confirmation Began: Not reported
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 3/18/1992
Date the Case was Closed: 11/23/1987
How Leak Discovered: Not reported
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Operator: Not reported
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 15686.001950599092725149006397
Source of Cleanup Funding: UNK
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: Not reported
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Yes
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HARBOR DIESEL & EQUIPMENT INC (Continued)

U003660140

Responsible Party: HARBOR DIESEL & EQUIP, INC
RP Address: 537 W ANAHEIM ST, LONG BEACH, CA 90813
Program: LUST
Lat/Long: 33.7827157 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: SIGNED OFF ON 11/23/87

LONG BEACH UST:

Region: LONG BEACH
Tank Code: Not reported
Tank Test: Not reported
Leak Test: Not reported

HAZNET:

Gepaid: CAD054830187
Contact: MIKE ZUPANOVICH GENERAL MGR
Telephone: 5625915665
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: PO BOX 21399
Mailing City,St,Zip: LONG BEACH, CA 908014399
Gen County: Los Angeles
TSD EPA ID: CAD008302903
TSD County: Los Angeles
Waste Category: Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.)
Disposal Method: Transfer Station
Tons: 0.45
Facility County: Not reported

Gepaid: CAD054830187
Contact: MIKE ZUPANOVICH GENERAL MGR
Telephone: 5625915665
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: PO BOX 21399
Mailing City,St,Zip: LONG BEACH, CA 908014399
Gen County: Los Angeles
TSD EPA ID: NVT330010000
TSD County: 99
Waste Category: Unspecified sludge waste
Disposal Method: H039
Tons: 1.60545
Facility County: Los Angeles

Gepaid: CAD054830187
Contact: MIKE ZUPANOVICH GENERAL MGR
Telephone: 5625915665
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: PO BOX 21399

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HARBOR DIESEL & EQUIPMENT INC (Continued)

U003660140

Mailing City,St,Zip: LONG BEACH, CA 908014399
Gen County: Los Angeles
TSD EPA ID: CAT080013352
TSD County: Los Angeles
Waste Category: Unspecified oil-containing waste
Disposal Method: H039
Tons: 0.22935
Facility County: Los Angeles

Gepaid: CAD054830187
Contact: MIKE ZUPANOVICH GENERAL MGR
Telephone: 5625915665
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: PO BOX 21399
Mailing City,St,Zip: LONG BEACH, CA 908014399
Gen County: Los Angeles
TSD EPA ID: CAD008302903
TSD County: Los Angeles
Waste Category: Off-specification, aged, or surplus organics
Disposal Method: H061
Tons: 0.2904
Facility County: Los Angeles

Gepaid: CAD054830187
Contact: MIKE ZUPANOVICH GENERAL MGR
Telephone: 5625915665
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: PO BOX 21399
Mailing City,St,Zip: LONG BEACH, CA 908014399
Gen County: Los Angeles
TSD EPA ID: NVT330010000
TSD County: 99
Waste Category: Other organic solids
Disposal Method: H132
Tons: 0.3
Facility County: Los Angeles

[Click this hyperlink](#) while viewing on your computer to access
46 additional CA_HAZNET: record(s) in the EDR Site Report.

AE162
West
1/4-1/2
0.277 mi.
1460 ft.

CAMPBELL CONTOUR ATTACHMENTS
1320 W ESTHER ST
LONG BEACH, CA 90813

CERC-NFRAP 1003878275
CAD008284333

Site 1 of 2 in cluster AE

Relative:
Higher

CERC-NFRAP:
Site ID: 0901024
Federal Facility: Not a Federal Facility
NPL Status: Not on the NPL
Non NPL Status: NFRAP

Actual:
13 ft.

CERCLIS-NFRAP Site Contact Name(s):
Contact Title: Not reported
Contact Name: Carl Brickner

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAMPBELL CONTOUR ATTACHMENTS (Continued)

1003878275

Contact Tel: (415) 972-3814

Contact Title: Not reported
Contact Name: Brunilda Davila
Contact Tel: (415) 972-3162

Contact Title: Not reported
Contact Name: Jeff Inglis
Contact Tel: (415) 972-3095

Contact Title: Not reported
Contact Name: Karen Jurist
Contact Tel: (415) 972-3219

Contact Title: Not reported
Contact Name: Matt Mitguard
Contact Tel: (415) 972-3096

CERCLIS-NFRAP Assessment History:

Action: DISCOVERY
Date Started: Not reported
Date Completed: 09/01/1985
Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT
Date Started: 08/01/1985
Date Completed: 04/01/1986
Priority Level: NFRAP: No further Remedial Action planned

Action: ARCHIVE SITE
Date Started: Not reported
Date Completed: 04/01/1986
Priority Level: Not reported

AE163
West
1/4-1/2
0.281 mi.
1482 ft.
MARINE HARDWARE CO
1322 017TH ST W
LONG BEACH, CA 90813
Site 2 of 2 in cluster AE

LUST **S104406360**
N/A

Relative:
Lower

LUST:

Actual:
12 ft.

Region: STATE
Global Id: T0603701962
Latitude: 33.7879497
Longitude: -118.2091306
Case Type: LUST Cleanup Site
Status: Open - Remediation
Status Date: 2002-08-19 00:00:00
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Worker: JH
Local Agency: LONG BEACH/SIGNAL HILL, CITIES OF
RB Case Number: 908130516
LOC Case Number: Not reported
File Location: Regional Board
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Other Solvent or Non-Petroleum Hydrocarbon
Site History: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MARINE HARDWARE CO (Continued)

S104406360

LUST REG 4:

Region:	4	
Regional Board:	04	
County:	Los Angeles	
facid:	908130516	
Status:	Remediation Plan	
Substance:	Hydrocarbons	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Groundwater	
Abatement Method Used at the Site:	Not reported	
Global ID:	T0603701962	
W Global ID:	Not reported	
Staff:	HDN	
Local Agency:	19060	
Cross Street:	Not reported	
Enforcement Type:	SEL	
Date Leak Discovered:	10/15/1990	
Date Leak First Reported:	10/15/1990	
Date Leak Record Entered:	12/13/1990	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:	8/15/2002	
Date the Case was Closed:	Not reported	
How Leak Discovered:	Not reported	
How Leak Stopped:	Not reported	
Cause of Leak:	Not reported	
Leak Source:	Not reported	
Operator:	Not reported	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):	15919.673586913456918710295999	
Source of Cleanup Funding:	Not reported	
Preliminary Site Assessment Workplan Submitted:	10/15/1990	
Preliminary Site Assessment Began:	10/15/1990	
Pollution Characterization Began:	11/25/1998	
Remediation Plan Submitted:	8/19/2002	
Remedial Action Underway:	Not reported	
Post Remedial Action Monitoring Began:	10/15/1990	
Enforcement Action Date:	Not reported	
Historical Max MTBE Date:	1/1/1965	
Hist Max MTBE Conc in Groundwater:	370	
Hist Max MTBE Conc in Soil:	Not reported	
Significant Interim Remedial Action Taken:	Not reported	
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	FRANK BRANNEN	
RP Address:	345 N. 17TH ST.	
Program:	LUST	
Lat/Long:	33.7879497 / -1	
Local Agency Staff:	Not reported	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MARINE HARDWARE CO (Continued)

S104406360

Assigned Name: Not reported
Summary: PLEASE REFER TO 1650 HARBOR AVE. FOR ADD'L INFO. 08/20/97 GW MON & SAMPLING RPT-2ND 97; 10/14/97 GW MON & SAMPLING RPT-3RD 97; 10/19/98 GW MON SEPTEMBER 1998

**164
East
1/4-1/2
0.291 mi.
1538 ft.**

**DIAMOND U PRODUCTS, INC
1429 MAGNOLIA AVE
LONG BEACH, CA 90813**

**HIST CORTESE
LUST S100273093
N/A**

**Relative:
Higher**

CORTESE:
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 013191-01

**Actual:
17 ft.**

LUST:

Region: STATE
Global Id: T0603700054
Latitude: 33.7848846
Longitude: -118.1981751
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 1996-09-27 00:00:00
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Worker: YR
Local Agency: LONG BEACH/SIGNAL HILL, CITIES OF
RB Case Number: 013191-01
LOC Case Number: Not reported
File Location: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Other Solvent or Non-Petroleum Hydrocarbon
Site History: Not reported

LUST REG 4:

Region: 4
Regional Board: 04
County: Los Angeles
Facid: 013191-01
Status: Case Closed
Substance: Hydrocarbons
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater
Abatement Method Used at the Site: Not reported
Global ID: T0603700054
W Global ID: Not reported
Staff: UNK
Local Agency: 19060
Cross Street: Not reported
Enforcement Type: Not reported
Date Leak Discovered: Not reported
Date Leak First Reported: 1/18/1991
Date Leak Record Entered: 1/31/1991
Date Confirmation Began: Not reported
Date Leak Stopped: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DIAMOND U PRODUCTS, INC (Continued)

S100273093

Date Case Last Changed on Database: 12/17/1996
Date the Case was Closed: 9/27/1996
How Leak Discovered: Not reported
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Operator: Not reported
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 15008.338259757362819006984404
Source of Cleanup Funding: UNK
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: 1/28/1991
Pollution Characterization Began: Not reported
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: DIAMOND-U PRODUCTS, INC.
RP Address: 1429 MAGNOLIA AVE., LONG BEACH CA 90813
Program: LUST
Lat/Long: 33.7848846 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: IF THIS IS A SOILS CASE, WHY GRNDWTR MONITORING?

AF165 **NATIONAL PLANT SERVICES, INC.**
West **1364 W 16TH ST**
1/4-1/2 **LONG BEACH, CA 90813**
0.301 mi.
1588 ft. **Site 1 of 4 in cluster AF**

HIST CORTESE **U001566315**
HIST UST **N/A**

Relative: **CORTESE:**
Lower **Region:** **CORTESE**
Actual: **Facility County Code:** **19**
11 ft. **Reg By:** **LTNKA**
Reg Id: **908130143**

HIST UST:
Region: **STATE**
Facility ID: **00000005082**
Facility Type: **Other**
Other Type: **INDUSTRIAL CLEANING**
Total Tanks: **0003**
Contact Name: **DENNIS R. KEENE/V.P./GENERAL M**

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NATIONAL PLANT SERVICES, INC. (Continued)

U001566315

Telephone: 2134373574
Owner Name: NATIONAL PLANT SERVICES, INC.
Owner Address: 1461 HARBOR AVE.
Owner City,St,Zip: LONG BEACH, CA 90813

Tank Num: 001
Container Num: DT1
Year Installed: Not reported
Tank Capacity: 00008000
Tank Used for: Not reported
Type of Fuel: Not reported
Tank Construction: Not reported
Leak Detection: None

Tank Num: 002
Container Num: DT2
Year Installed: Not reported
Tank Capacity: 00008000
Tank Used for: Not reported
Type of Fuel: Not reported
Tank Construction: Not reported
Leak Detection: None

Tank Num: 003
Container Num: GT1
Year Installed: Not reported
Tank Capacity: 00003000
Tank Used for: Not reported
Type of Fuel: Not reported
Tank Construction: Not reported
Leak Detection: None

AG166 **BULK TERMINAL**
South **960 DE FOREST AVE**
1/4-1/2 **LONG BEACH, CA 90813**
0.301 mi.
1590 ft.

HIST CORTESE **S101296712**
LUST **N/A**
SLIC
HAZNET

Site 1 of 3 in cluster AG

Relative: CORTESE:
Higher Region: CORTESE
Facility County Code: 19
Actual: Reg By: LTNKA
17 ft. Reg Id: 908130061

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
facid: 908130061
Status: Pollution Characterization
Substance: Solvents
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater
Abatement Method Used at the Site: Not reported
Global ID: T0603701921
W Global ID: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BULK TERMINAL (Continued)

S101296712

Staff: SLC
Local Agency: 19060
Cross Street: Not reported
Enforcement Type: Not reported
Date Leak Discovered: Not reported
Date Leak First Reported: 10/31/1984
Date Leak Record Entered: 12/31/1986
Date Confirmation Began: Not reported
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 3/26/2001
Date the Case was Closed: Not reported
How Leak Discovered: Not reported
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Operator: Not reported
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 17849.961892403501719824659725
Source of Cleanup Funding: UNK
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: 3/31/1988
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: BLANK RP
RP Address: Not reported
Program: SLIC
Lat/Long: 33.7789638 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: ON MONITORING PROGRAM. REFER TO SLIC #681

SLIC:

Region: 4
Facility Status: Site Assessment
SLIC: 0681
Substance: VOCs
Staff: AH

HAZNET:

Gepaid: CAD075274928

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BULK TERMINAL (Continued)

S101296712

Contact: JIM LEVY
Telephone: 9167895528
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 10031 FOOTHILLS BLVD
Mailing City,St,Zip: ROSEVILLE, CA 95747
Gen County: Los Angeles
TSD EPA ID: CAD097030993
TSD County: Los Angeles
Waste Category: Aqueous solution with metals (restricted levels and Alkaline solution (pH <UN-> 12.5) with metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc)
Disposal Method: H141
Tons: 1.25
Facility County: Los Angeles

Gepaid: CAD075274928
Contact: JIM LEVY
Telephone: 9167895528
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 10031 FOOTHILLS BLVD
Mailing City,St,Zip: ROSEVILLE, CA 95747
Gen County: Los Angeles
TSD EPA ID: CAD097030993
TSD County: Los Angeles
Waste Category: Liquids with pH <UN-> 2
Disposal Method: H141
Tons: 0
Facility County: Los Angeles

Gepaid: CAD075274928
Contact: JIM LEVY
Telephone: 9167895528
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 10031 FOOTHILLS BLVD
Mailing City,St,Zip: ROSEVILLE, CA 95747
Gen County: Los Angeles
TSD EPA ID: CAD097030993
TSD County: Los Angeles
Waste Category: Alkaline solution without metals (pH > 12.5)
Disposal Method: H135
Tons: 3.26
Facility County: Los Angeles

Gepaid: CAD075274928
Contact: JIM LEVY
Telephone: 9167895528
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 10031 FOOTHILLS BLVD
Mailing City,St,Zip: ROSEVILLE, CA 95747
Gen County: Los Angeles
TSD EPA ID: CAD097030993
TSD County: Los Angeles

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BULK TERMINAL (Continued)

S101296712

Waste Category: Other inorganic solid waste
Disposal Method: H141
Tons: 0.12
Facility County: Los Angeles

Gepaid: CAD075274928
Contact: JIM LEVY
Telephone: 9167895528
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 10031 FOOTHILLS BLVD
Mailing City,St,Zip: ROSEVILLE, CA 95747
Gen County: Los Angeles
TSD EPA ID: CAD097030993
TSD County: Los Angeles
Waste Category: Liquids with pH <UN-> 2
Disposal Method: H135
Tons: 0.5
Facility County: Los Angeles

[Click this hyperlink](#) while viewing on your computer to access
1 additional CA_HAZNET: record(s) in the EDR Site Report.

AG167
South
1/4-1/2
0.301 mi.
1590 ft.

FORMER BULK TERMINAL
960 DEFOREST AVE
LONG BEACH, CA 90813
Site 2 of 3 in cluster AG

CERC-NFRAP
RCRA-LQG
FINDS

1000369992
CAD075274928

Relative:
Higher

CERC-NFRAP:
Site ID: 0901579
Federal Facility: Not a Federal Facility
NPL Status: Not on the NPL
Non NPL Status: NFRAP

Actual:
17 ft.

CERCLIS-NFRAP Site Contact Name(s):

Contact Title: Not reported
Contact Name: Carl Brickner
Contact Tel: (415) 972-3814

Contact Title: Not reported
Contact Name: Brunilda Davila
Contact Tel: (415) 972-3162

Contact Title: Not reported
Contact Name: Jeff Inglis
Contact Tel: (415) 972-3095

Contact Title: Not reported
Contact Name: Karen Jurist
Contact Tel: (415) 972-3219

Contact Title: Not reported
Contact Name: Matt Mitguard
Contact Tel: (415) 972-3096

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER BULK TERMINAL (Continued)

1000369992

CERCLIS-NFRAP Assessment History:

Action: DISCOVERY
Date Started: Not reported
Date Completed: 03/01/1985
Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT
Date Started: Not reported
Date Completed: 10/01/1987
Priority Level: NFRAP: No further Remedial Action planned

Action: ARCHIVE SITE
Date Started: Not reported
Date Completed: 10/01/1987
Priority Level: Not reported

RCRA-LQG:

Date form received by agency: 08/05/2008
Facility name: 960 DEFOREST AVENUE LONG BEACH SITE
Facility address: 960 DEFOREST AVENUE
LONG BEACH, CA 90813
EPA ID: CAD075274928
Mailing address: 10031 FOOTHILLS BLVD
ROSEVILLE, CA 95747
Contact: JAMES E DIEI
Contact address: Not reported
Not reported
Contact country: Not reported
Contact telephone: (916) 789-5184
Contact email: JEDIEL@UP.COM
EPA Region: 09
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name: CHARTER INTERNATIONAL OIL COMPANY
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER BULK TERMINAL (Continued)

1000369992

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: UNION PACIFIC RAILROAD
Owner/operator address: 10031 FOOTHILLS BLVD
ROSEVILLE, CA 95747
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 06/01/1996
Owner/Op end date: Not reported

Owner/operator name: UNION PACIFIC RAILROAD
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 06/01/1996
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Commercial status unknown

Universal Waste Summary:

Waste type: Batteries
Accumulated waste on-site: No
Generated waste on-site: Not reported

Waste type: Lamps
Accumulated waste on-site: No
Generated waste on-site: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER BULK TERMINAL (Continued)

1000369992

Waste type: Pesticides
Accumulated waste on-site: No
Generated waste on-site: Not reported

Waste type: Thermostats
Accumulated waste on-site: No
Generated waste on-site: Not reported

Historical Generators:

Date form received by agency: 12/27/2006
Facility name: 960 DEFOREST AVENUE LONG BEACH SITE
Site name: FORMER BULK TERMINAL
Classification: Large Quantity Generator

Date form received by agency: 09/01/1996
Facility name: 960 DEFOREST AVENUE LONG BEACH SITE
Site name: CHARTER INTL OIL TRANSP & TERM
Classification: Small Quantity Generator

Date form received by agency: 10/31/1980
Facility name: 960 DEFOREST AVENUE LONG BEACH SITE
Site name: CHARTER INTL OIL TRANSP & TERM
Classification: Large Quantity Generator

Hazardous Waste Summary:

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Waste code: D004
Waste name: ARSENIC

Biennial Reports:

Last Biennial Reporting Year: 2009

Annual Waste Handled:

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Amount (Lbs): 7960.1

Waste code: D004
Waste name: ARSENIC
Amount (Lbs): 2490.1

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER BULK TERMINAL (Continued)

1000369992

Violation Status: No violations found

FINDS:

Registry ID: 110013383597

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

AG168
South
1/4-1/2
0.301 mi.
1590 ft.

UPRC BULK TERMINAL (FORMER)
960 DE FOREST AVENUE
LONG BEACH, CA 90813
Site 3 of 3 in cluster AG

SLIC S109850909
N/A

Relative:
Higher

SLIC:

Region: STATE
Facility Status: Open - Remediation
Status Date: 2009-05-19 00:00:00
Global Id: SL2048H2365
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number: Not reported
Latitude: 33.779816
Longitude: -118.20249
Case Type: Cleanup Program Site
Case Worker: PGN
Local Agency: Not reported
RB Case Number: 0681
File Location: Regional Board

Actual:
17 ft.

Potential Media Affected: Aquifer used for drinking water supply, Soil
Potential Contaminants of Concern: Benzene, Other Chlorinated Hydrocarbons, Toluene, Xylene, Arsenic, Lead, Polynuclear aromatic hydrocarbons (PAHs)
Site History: Prior to 1965, the site was owned and operated by Pacific Electric Railroad Company and used for electric railroad repair, maintenance, and inspection. Southern Pacific Transportation Company acquired the site in 1965 and leased it to various entities, whose primary operations were bulk transfer and storage of liquid petroleum and chemical products. Union Pacific Railroad Company (UPRR) acquired the site in 1966, in a merger of Southern Pacific Transportation Company. Subsequently, the City of Long Beach acquired the Site from the UPRR in May 2007. On-going soil remediation.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AF169 **NATIONAL PLANT SERVICES, INC.**
West **1364 016TH ST W**
1/4-1/2 **LONG BEACH, CA 90813**
0.307 mi.
1619 ft. **Site 2 of 4 in cluster AF**

LUST **S105032798**
N/A

Relative:
Lower

LUST:

Actual:
11 ft.

Region: STATE
Global Id: T0603701928
Latitude: 33.7870987
Longitude: -118.2098216
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 1996-05-29 00:00:00
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Worker: YR
Local Agency: LONG BEACH/SIGNAL HILL, CITIES OF
RB Case Number: 908130143
LOC Case Number: Not reported
File Location: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST REG 4:

Region: 4
Regional Board: 04
County: Los Angeles
facid: 908130143
Status: Case Closed
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater
Abatement Method Used at the Site: Excavate and Dispose
Global ID: T0603701928
W Global ID: Not reported
Staff: UNK
Local Agency: 19060
Cross Street: HARBOR
Enforcement Type: Not reported
Date Leak Discovered: Not reported
Date Leak First Reported: 8/19/1987
Date Leak Record Entered: 3/10/1988
Date Confirmation Began: Not reported
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 5/22/1996
Date the Case was Closed: 5/29/1996
How Leak Discovered: Not reported
How Leak Stopped: Not reported
Cause of Leak: Not reported
Leak Source: Not reported
Operator: Not reported
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 16096.10862248989860530484477
Source of Cleanup Funding: Not reported
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NATIONAL PLANT SERVICES, INC. (Continued)

S105032798

Pollution Characterization Began: 3/18/1988
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Yes
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: NATIONAL PLANT SERVICES
RP Address: 1461 HARBOR AVE, LONG BEACH, CA 90813
Program: LUST
Lat/Long: 33.7870987 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: THREE TANKS REMOVED. GROUND WATER CONTAMINATION IS LOCALIZED

AH170
WSW
1/4-1/2
0.310 mi.
1636 ft.
GEORGE MITCHEL
1326 012TH ST W
LONG BEACH, CA 90813
Site 1 of 2 in cluster AH

HIST CORTESE
LUST
S101296838
N/A

Relative: CORTESE:
Lower Region: CORTESE
Facility County Code: 19
Actual: Reg By: LTNKA
8 ft. Reg Id: 908130043

LUST:
Region: STATE
Global Id: T0603701919
Latitude: 33.7813218
Longitude: -118.2091835
Case Type: LUST Cleanup Site
Status: Open - Site Assessment
Status Date: 2007-10-29 00:00:00
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Worker: JH
Local Agency: LONG BEACH/SIGNAL HILL, CITIES OF
RB Case Number: 908130043
LOC Case Number: Not reported
File Location: Regional Board
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST REG 4:
Region: 4

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GEORGE MITCHEL (Continued)

S101296838

Regional Board:	04	
County:	Los Angeles	
facid:	908130043	
Status:	Pollution Characterization	
Substance:	Gasoline	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Soil	
Abatement Method Used at the Site:		Not reported
Global ID:	T0603701919	
W Global ID:	Not reported	
Staff:	HDN	
Local Agency:	19060	
Cross Street:	Not reported	
Enforcement Type:	SI	
Date Leak Discovered:	11/1/1984	
Date Leak First Reported:		11/1/1984
Date Leak Record Entered:	12/31/1986	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	11/1/1984	
Date Case Last Changed on Database:		10/30/2000
Date the Case was Closed:		Not reported
How Leak Discovered:	Not reported	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	UNK	
Operator:	Not reported	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		18073.649492385043547355224766
Source of Cleanup Funding:		UNK
Preliminary Site Assessment Workplan Submitted:	7/9/1998	
Preliminary Site Assessment Began:	7/20/1999	
Pollution Characterization Began:	11/5/2003	
Remediation Plan Submitted:	Not reported	
Remedial Action Underway:	Not reported	
Post Remedial Action Monitoring Began:	11/1/1984	
Enforcement Action Date:	Not reported	
Historical Max MTBE Date:	Not reported	
Hist Max MTBE Conc in Groundwater:	Not reported	
Hist Max MTBE Conc in Soil:	Not reported	
Significant Interim Remedial Action Taken:		Yes
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	BRUCE HARRISON	
RP Address:	1842 E. 29TH ST.	
Program:	LUST	
Lat/Long:	33.7813218 / -1	
Local Agency Staff:	Not reported	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	
Assigned Name:	Not reported	
Summary:	INITIALLY ASSIGNED TO ANS. TWO GASOLINE TANKS REMOVED. MITCHELL	

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GEORGE MITCHEL (Continued)

S101296838

REFUSES TO CONDUCT A SITE ASSESSMENT.; 2/26/99 SUBSURFACE SITE
ASSESSMENT SOIL & GW SAMPLING

AH171
WSW
1/4-1/2
0.319 mi.
1684 ft.
GOODYEAR
1350 12TH
LONG BEACH, CA 90813
Site 2 of 2 in cluster AH

HIST CORTESE **S105024546**
N/A

Relative: **CORTESE:**
Lower **Region:** **CORTESE**
Facility County Code: **19**
Actual: **Reg By:** **LTNKA**
8 ft. **Reg Id:** **2471**

AI172
West
1/4-1/2
0.331 mi.
1748 ft.
UNOCAL #5021
1345 PACIFIC COAST HWY W
LONG BEACH, CA 90744
Site 1 of 3 in cluster AI

LUST **S103891191**
N/A

Relative: **LUST:**
Higher **Region:** **STATE**
Global Id: **T0603701653**
Latitude: **33.790935676683**
Longitude: **-118.280734419823**
Case Type: **LUST Cleanup Site**
Status: **Open - Site Assessment**
Status Date: **2005-07-18 00:00:00**
Lead Agency: **LOS ANGELES RWQCB (REGION 4)**
Case Worker: **HDN**
Local Agency: **LOS ANGELES, CITY OF**
RB Case Number: **907440061**
LOC Case Number: **Not reported**
File Location: **Regional Board**
Potential Media Affect: **Aquifer used for drinking water supply**
Potential Contaminants of Concern: **Gasoline**
Site History: **Not reported**

LUST REG 4:
Region: **4**
Regional Board: **04**
County: **Los Angeles**
Facid: **907440061**
Status: **Pollution Characterization**
Substance: **Gasoline**
Substance Quantity: **Not reported**
Local Case No: **Not reported**
Case Type: **Groundwater**
Abatement Method Used at the Site: **Remove Free Product**
Global ID: **T0603701653**
W Global ID: **Not reported**
Staff: **HDN**
Local Agency: **19050**
Cross Street: **FIGUEROA**
Enforcement Type: **DLSEL**

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

UNOCAL #5021 (Continued)

S103891191

Date Leak Discovered: 6/26/1986
Date Leak First Reported: 6/26/1986
Date Leak Record Entered: 8/11/1987
Date Confirmation Began: Not reported
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 10/14/2002
Date the Case was Closed: Not reported
How Leak Discovered: Inventory Control
How Leak Stopped: Not reported
Cause of Leak: Structure Failure
Leak Source: Tank
Operator: Not reported
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 15130.688256759880438104946292
Source of Cleanup Funding: Tank
Preliminary Site Assessment Workplan Submitted: 10/27/1986
Preliminary Site Assessment Began: 10/27/1986
Pollution Characterization Began: 6/30/2004
Remediation Plan Submitted: 1/15/2002
Remedial Action Underway: 8/24/1993
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: 1/1/1965
Hist Max MTBE Conc in Groundwater: 11000
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Yes
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: RICHARD WILLIAMS
RP Address: 376 S. VALENCIA AVE.
Program: LUST
Lat/Long: 33.7899827 / -1
Local Agency Staff: PEJ
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: FREE PRODUCT RECOVERY IN PROGRESS.; 7/12/00 2ND QTR GW MON RPT 2000;
10/11/00 3RD QTR GW MON RPT 2000; 12/31/00 4TH QTR GW MON RPT 2000;
4/13/01 1ST QTR MON RPT 2001

AF173 **BRANNEN PIPE & SUPPLY**
West **1650 HARBOR AVE**
1/4-1/2 **LONG BEACH, CA 90813**
0.334 mi.
1764 ft. **Site 3 of 4 in cluster AF**

HIST CORTESE **U001566290**
HIST UST **N/A**

Relative: **CORTESE:**
Lower **Region:** **CORTESE**
Facility County Code: **19**
Actual: **Reg By:** **LTNKA**
11 ft. **Reg Id:** **908130416**

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BRANNEN PIPE & SUPPLY (Continued)

U001566290

HIST UST:

Region: STATE
Facility ID: 00000047093
Facility Type: Other
Other Type: WHOLESALE PLUMBING
Total Tanks: 0002
Contact Name: FRANK BRANNON
Telephone: 2134370825
Owner Name: BRANNEN PIPE & SUPPLY
Owner Address: 1650 HARBOR AVE
Owner City,St,Zip: LONG BEACH, CA 90813

Tank Num: 001
Container Num: 1
Year Installed: 1977
Tank Capacity: 00003000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Tank Construction: Not reported
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: 2
Year Installed: 1977
Tank Capacity: 00004000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Tank Construction: Not reported
Leak Detection: Stock Inventor

AF174 **BRANNEN PIPE & SUPPLY**
West **1650 HARBOR BLVD**
1/4-1/2 **LONG BEACH, CA 90813**
0.334 mi.
1764 ft. **Site 4 of 4 in cluster AF**

LUST **S105035303**
N/A

Relative:
Lower

LUST:

Region: STATE
Global Id: T0603701955
Latitude: 33.787553
Longitude: -118.21021
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 1997-04-22 00:00:00
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Worker: YR
Local Agency: LONG BEACH/SIGNAL HILL, CITIES OF
RB Case Number: 908130416
LOC Case Number: Not reported
File Location: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

Actual:
11 ft.

LUST REG 4:

Region: 4
Regional Board: 04

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BRANNEN PIPE & SUPPLY (Continued)

S105035303

County: Los Angeles
facid: 908130416
Status: Case Closed
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: Not reported
Global ID: T0603701955
W Global ID: Not reported
Staff: UNK
Local Agency: 19060
Cross Street: Not reported
Enforcement Type: Not reported
Date Leak Discovered: Not reported
Date Leak First Reported: 12/4/1990
Date Leak Record Entered: 1/31/1991
Date Confirmation Began: Not reported
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 4/14/1997
Date the Case was Closed: 4/22/1997
How Leak Discovered: Not reported
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Operator: OLD CASE #013191-04
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 15858.659219225310499634679799
Source of Cleanup Funding: UNK
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: 1/4/1991
Pollution Characterization Began: Not reported
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: BLANK RP
RP Address: 345 N BEACON ST, SAN PEDRO, CA 90731
Program: LUST
Lat/Long: 33.7876347 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: PLEASE REFER TO 1322 017TH ST. FOR ADD'L INFO.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AI175 76 PRODUCTS STATION #3568
West 1410 PACIFIC COAST
1/4-1/2 LONG BEACH, CA 90810
0.348 mi.
1836 ft. Site 2 of 3 in cluster AI

HIST CORTESE S102590702
N/A

Relative: CORTESE:
Lower Region: CORTESE
Facility County Code: 19
Actual: Reg By: LTNKA
12 ft. Reg Id: 907440252

AI176 TOSCO - 76 STATION #3568
West 1410 PACIFIC COAST HWY W
1/4-1/2 LONG BEACH, CA 90810
0.348 mi.
1836 ft. Site 3 of 3 in cluster AI

LUST S105693836
N/A

Relative: LUST:
Lower Region: STATE
Global Id: T0603701670
Actual: Latitude: 33.7897387
12 ft. Longitude: -118.2106317
Case Type: LUST Cleanup Site
Status: Open - Site Assessment
Status Date: 2006-12-11 00:00:00
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Worker: MB
Local Agency: LONG BEACH/SIGNAL HILL, CITIES OF
RB Case Number: 907440252
LOC Case Number: Not reported
File Location: Regional Board
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
facid: 907440252
Status: Pollution Characterization
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater
Abatement Method Used at the Site: Excavate and Dispose
Global ID: T0603701670
W Global ID: Not reported
Staff: MB
Local Agency: 19060
Cross Street: HARBOR
Enforcement Type: SEL
Date Leak Discovered: 5/19/1993
Date Leak First Reported: 5/20/1993
Date Leak Record Entered: 3/18/1993
Date Confirmation Began: Not reported
Date Leak Stopped: 5/19/1993
Date Case Last Changed on Database: 7/15/2002

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TOSCO - 76 STATION #3568 (Continued)

S105693836

Date the Case was Closed: Not reported
How Leak Discovered: OM
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: Piping
Operator: NASSAR LABBAF
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 15130.028638620124818068554604
Source of Cleanup Funding: Piping
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: 5/20/1993
Pollution Characterization Began: 6/29/2002
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: 1/1/1965
Hist Max MTBE Conc in Groundwater: 300000
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Yes
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: CHRISTOPHER M. SWARTZ
RP Address: P.O. BOX 25376
Program: LUST
Lat/Long: 33.7897387 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: 7/31/00 2ND QTR STATU RPT; 9/18/00 DUAL-PHASE EXTRACTION PILOT TEST RPT.; 10/31/00 3RD QTR SITE STATUS RPT; 4/12/01 RPT OF ADD'L OFF-SITE GW INVESTIGATION

AJ177
ENE
1/4-1/2
0.356 mi.
1882 ft.
FORMER ROCKET STATION #6
465 PACIFIC COAST HWY W
LONG BEACH, CA 90806
Site 1 of 2 in cluster AJ

LUST **S104532736**
N/A

Relative:
Higher

LUST:

Actual:
13 ft.

Region: STATE
Global Id: T0603701838
Latitude: 33.7901421098237
Longitude: -118.197821974754
Case Type: LUST Cleanup Site
Status: Open - Site Assessment
Status Date: 2007-01-29 00:00:00
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Worker: HDN
Local Agency: LONG BEACH/SIGNAL HILL, CITIES OF
RB Case Number: 908061052
LOC Case Number: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER ROCKET STATION #6 (Continued)

S104532736

File Location: Regional Board
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST REG 4:

Region: 4
Regional Board: 04
County: Los Angeles
facid: 908061052
Status: Remedial action (cleanup) Underway
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater
Abatement Method Used at the Site: VEEP
Global ID: T0603701838
W Global ID: Not reported
Staff: HDN
Local Agency: 19060
Cross Street: MAGNOLIA AVE & HENDERSON
Enforcement Type: LET
Date Leak Discovered: 11/3/1986
Date Leak First Reported: 11/3/1986
Date Leak Record Entered: Not reported
Date Confirmation Began: Not reported
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 8/17/2000
Date the Case was Closed: Not reported
How Leak Discovered: OM
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Operator: OLD # 021089-02
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 13549.521192631580313826210287
Source of Cleanup Funding: UNK
Preliminary Site Assessment Workplan Submitted: 7/2/1992
Preliminary Site Assessment Began: 7/2/1992
Pollution Characterization Began: 4/17/2000
Remediation Plan Submitted: 5/19/2000
Remedial Action Underway: 7/19/2000
Post Remedial Action Monitoring Began: 11/3/1986
Enforcement Action Date: 7/26/2000
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: 79
Significant Interim Remedial Action Taken: Yes
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: PAMELA HARPER
RP Address: 4102 ORANGE AVE., SUITE #107-174
Program: LUST
Lat/Long: 33.7899175 / -1

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER ROCKET STATION #6 (Continued)

S104532736

Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: BENZENE IN WATER 25' BELOW GRADE RE 08/07/95: VACUUM TRUCK REMOVAL
FREE PRODUCT, VE RECOVERY 18000 GALLONSRP IS REQUESTING
"ACKNOWLEDGEMENT/COMMENTS FROM LARWQCB"; 7/19/00 WP FOR ASSESSMENT
ACTIVITIES

AJ178
ENE
1/4-1/2
0.374 mi.
1977 ft.
ROCKET #6
465 PACIFIC COAST
LONG BEACH, CA 90806
Site 2 of 2 in cluster AJ

HIST CORTESE **S102435967**
N/A

Relative: CORTESE:
Lower Region: CORTESE
Facility County Code: 19
Actual: Reg By: LTNKA
12 ft. Reg Id: 908061052

179
WSW
1/4-1/2
0.377 mi.
1988 ft.
RUSSELL TRUCK COMPANY
1430 011TH ST W
LONG BEACH, CA 90813

HIST CORTESE **S101296837**
LUST **N/A**

Relative: CORTESE:
Lower Region: CORTESE
Facility County Code: 19
Actual: Reg By: LTNKA
8 ft. Reg Id: 908130098

LUST:
Region: STATE
Global Id: T0603701924
Latitude: 33.7805018
Longitude: -118.2109155
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 1996-09-13 00:00:00
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Worker: YR
Local Agency: LONG BEACH/SIGNAL HILL, CITIES OF
RB Case Number: 908130098
LOC Case Number: Not reported
File Location: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST REG 4:
Region: 4

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RUSSELL TRUCK COMPANY (Continued)

S101296837

Regional Board:	04	
County:	Los Angeles	
facid:	908130098	
Status:	Case Closed	
Substance:	Gasoline	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Groundwater	
Abatement Method Used at the Site:	Remove Free Product	
Global ID:	T0603701924	
W Global ID:	Not reported	
Staff:	UNK	
Local Agency:	19060	
Cross Street:	SANTA FE	
Enforcement Type:	Not reported	
Date Leak Discovered:	Not reported	
Date Leak First Reported:	4/18/1986	
Date Leak Record Entered:	12/31/1986	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:	3/22/1992	
Date the Case was Closed:	9/13/1996	
How Leak Discovered:	Not reported	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	Tank	
Operator:	Not reported	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):	18135.363357380248516636912581	
Source of Cleanup Funding:	Tank	
Preliminary Site Assessment Workplan Submitted:	Not reported	
Preliminary Site Assessment Began:	Not reported	
Pollution Characterization Began:	Not reported	
Remediation Plan Submitted:	Not reported	
Remedial Action Underway:	1/7/1988	
Post Remedial Action Monitoring Began:	Not reported	
Enforcement Action Date:	Not reported	
Historical Max MTBE Date:	Not reported	
Hist Max MTBE Conc in Groundwater:	Not reported	
Hist Max MTBE Conc in Soil:	Not reported	
Significant Interim Remedial Action Taken:	Yes	
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	RUSSELL ENTERPRISES	
RP Address:	P.O. BOX 91135, CITY OF COMMERCE CA 90091	
Program:	LUST	
Lat/Long:	33.7805018 / -1	
Local Agency Staff:	Not reported	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	
Assigned Name:	Not reported	
Summary:	SOIL CONTAMINATION REMOVAL COMPLETE. GROUNDWATER NOT YET COMPLETED	

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

180
South
1/4-1/2
0.377 mi.
1993 ft.

SANTA FE PACIFIC PIPELINE
DE FOREST AVE
LONG BEACH, CA 90813

HIST CORTESE
LUST

S102436446
N/A

Relative:
Lower

CORTESE:
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 123091-41

Actual:
11 ft.

LUST:
Region: STATE
Global Id: T0603700221
Latitude: 33.7813686
Longitude: -118.1878326
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 2009-04-03 00:00:00
Lead Agency: LONG BEACH/SIGNAL HILL, CITIES OF
Case Worker: CP
Local Agency: LONG BEACH/SIGNAL HILL, CITIES OF
RB Case Number: 123091-41
LOC Case Number: Not reported
File Location: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
facid: 123091-41
Status: Preliminary site assessment underway
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: Not reported
Global ID: T0603700221
W Global ID: Not reported
Staff: UNK
Local Agency: 19060
Cross Street: 060TH ST.
Enforcement Type: Not reported
Date Leak Discovered: 10/28/1991
Date Leak First Reported: 11/15/1991
Date Leak Record Entered: 12/20/1991
Date Confirmation Began: Not reported
Date Leak Stopped: 10/28/1991
Date Case Last Changed on Database: 12/5/1991
Date the Case was Closed: Not reported
How Leak Discovered: OM
How Leak Stopped: Not reported
Cause of Leak: Other Cause
Leak Source: Piping

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SANTA FE PACIFIC PIPELINE (Continued)

S102436446

Operator: Not reported
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 13320.555173176177832532799779
Source of Cleanup Funding: Piping
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: 11/15/1991
Pollution Characterization Began: Not reported
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: SANTA FE PACIFIC PIPELINE INC.
RP Address: 888 S. FIGUEROA ST., LOS ANGELES, 90017
Program: LUST
Lat/Long: 33.7813686 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: Not reported

181
West
1/4-1/2
0.388 mi.
2047 ft.

**I-CHEM INTERNATIONAL (FORMER)
1455 16TH ST. W.
LONG BEACH, CA 90813**

**LUST S106448624
N/A**

**Relative:
Lower**

LUST:

**Actual:
11 ft.**

Region: STATE
Global Id: T0603743664
Latitude: 33.787554
Longitude: -118.211719
Case Type: LUST Cleanup Site
Status: Open - Site Assessment
Status Date: 2004-05-06 00:00:00
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Worker: JFL
Local Agency: LONG BEACH/SIGNAL HILL, CITIES OF
RB Case Number: 908130670
LOC Case Number: Not reported
File Location: Regional Board
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST REG 4:

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

I-CHEM INTERNATIONAL (FORMER) (Continued)

S106448624

Region:	4	
Regional Board:	04	
County:	Los Angeles	
facid:	908130670	
Status:	Preliminary site assessment underway	
Substance:	Gasoline	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Groundwater	
Abatement Method Used at the Site:		Not reported
Global ID:	T0603743664	
W Global ID:	Not reported	
Staff:	GK	
Local Agency:	19060	
Cross Street:	Not reported	
Enforcement Type:	Not reported	
Date Leak Discovered:	4/13/2004	
Date Leak First Reported:		5/6/2004
Date Leak Record Entered:	Not reported	
Date Confirmation Began:	5/6/2004	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		Not reported
Date the Case was Closed:		Not reported
How Leak Discovered:	OM	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	UNK	
Operator:	Not reported	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		Not reported
Source of Cleanup Funding:		UNK
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		5/6/2004
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	GUIDO HAUG	
RP Address:	6621 E. PACIFIC COAST HWY.	
Program:	LUST	
Lat/Long:	0 / 0	
Local Agency Staff:	Not reported	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	
Assigned Name:	Not reported	

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

I-CHEM INTERNATIONAL (FORMER) (Continued)

S106448624

Summary: Not reported

182
SW
1/4-1/2
0.389 mi.
2054 ft.

TIDELANDS OIL
1348 WEST NINTH ST
LONG BEACH, CA 90801

SLIC **S106483758**
N/A

Relative:
Higher

SLIC:

Region: STATE
Facility Status: Completed - Case Closed
Status Date: 2002-06-11 00:00:00
Global Id: SL184621445
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number: Not reported
Latitude: 33.861923
Longitude: -118.175454
Case Type: Cleanup Program Site
Case Worker: GJH
Local Agency: Not reported
RB Case Number: 0603D
File Location: Not reported
Potential Media Affected: Not reported
Potential Contaminants of Concern: Not reported
Site History: Not reported

183
South
1/4-1/2
0.402 mi.
2120 ft.

MTA DIV. 12
970 CHESTER PL W.
LONG BEACH, CA 90813

LUST **S105692204**
N/A

Relative:
Lower

LUST:

Region: STATE
Global Id: T0603757656
Latitude: 33.776857
Longitude: -118.203388
Case Type: LUST Cleanup Site
Status: Open - Site Assessment
Status Date: 2003-05-28 00:00:00
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Worker: JH
Local Agency: LONG BEACH/SIGNAL HILL, CITIES OF
RB Case Number: 908130661
LOC Case Number: Not reported
File Location: Regional Board
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST REG 4:

Region: 4
Regional Board: 04
County: Los Angeles
facid: 908130661
Status: Preliminary site assessment underway

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MTA DIV. 12 (Continued)

S105692204

Substance:	Gasoline	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Groundwater	
Abatement Method Used at the Site:		Not reported
Global ID:	T0603757656	
W Global ID:	Not reported	
Staff:	HDN	
Local Agency:	19060	
Cross Street:	Not reported	
Enforcement Type:	SEL	
Date Leak Discovered:	8/26/2002	
Date Leak First Reported:		11/6/2002
Date Leak Record Entered:	Not reported	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		Not reported
Date the Case was Closed:		Not reported
How Leak Discovered:	OM	
How Leak Stopped:	Close Tank	
Cause of Leak:	Not reported	
Leak Source:	P,	
Operator:	Not reported	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		Not reported
Source of Cleanup Funding:		P,
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		5/28/2003
Pollution Characterization Began:		11/6/2002
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	ROBERT WILLEY	
RP Address:	3 HUTTON CENTRE DR., SUITE #20	
Program:	LUST	
Lat/Long:	0 / 0	
Local Agency Staff:	Not reported	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	
Assigned Name:	Not reported	
Summary:	Not reported	

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AK184 **COMMERCIAL TRUCK BODIES**
West **1468 14TH ST W**
1/4-1/2 **LONG BEACH, CA 90813**
0.402 mi.
2122 ft. **Site 1 of 2 in cluster AK**

LUST **S110071400**
N/A

Relative:
Lower

LUST:

Region: STATE
Global Id: T0603701923
Latitude: 33.7836060490976
Longitude: -118.211951851845
Case Type: LUST Cleanup Site
Status: Open - Remediation
Status Date: 2006-02-22 00:00:00
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Worker: JFL
Local Agency: LONG BEACH/SIGNAL HILL, CITIES OF
RB Case Number: 908130089
LOC Case Number: Not reported
File Location: Regional Board
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

Actual:
9 ft.

AK185 **COMMERCIAL TRUCK BODIES**
West **1468 014TH ST W**
1/4-1/2 **LONG BEACH, CA 90813**
0.415 mi.
2189 ft. **Site 2 of 2 in cluster AK**

HIST CORTESE **S101296839**
LUST **N/A**

Relative:
Lower

CORTESE:

Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 908130089

Actual:
9 ft.

LUST REG 4:

Region: 4
Regional Board: 04
County: Los Angeles
facid: 908130089
Status: Remediation Plan
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater
Abatement Method Used at the Site: Remove Free Product
Global ID: T0603701923
W Global ID: Not reported
Staff: HSP
Local Agency: 19060
Cross Street: CASPIAN
Enforcement Type: LET
Date Leak Discovered: Not reported
Date Leak First Reported: 10/29/1984
Date Leak Record Entered: 12/31/1986
Date Confirmation Began: Not reported
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 6/24/2002

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

COMMERCIAL TRUCK BODIES (Continued)

S101296839

Date the Case was Closed: Not reported
How Leak Discovered: Not reported
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Operator: Not reported
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 17022.979467648796558785860525
Source of Cleanup Funding: UNK
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: 11/19/2001
Remediation Plan Submitted: 12/13/2001
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: 10/29/1984
Enforcement Action Date: Not reported
Historical Max MTBE Date: 5/25/2001
Hist Max MTBE Conc in Groundwater: 2020
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Yes
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: MR. RICHARD T. SMITH
RP Address: 350 YELLOW ROSE DR.
Program: LUST
Lat/Long: 33.7835958 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: 8/7/00 GW MON RPT; 1/18/01 SUBSURFACE SOIL AND GW ASSESSMENT RPT

AL186 TIDELAND OIL
SW 1348 009TH
1/4-1/2 LONG BEACH, CA 90813
0.423 mi.
2234 ft.

SLIC S103546764
N/A

Relative:
Lower

SLIC:
Region: 4
Facility Status: No further action required
SLIC: 0603D
Substance: TPH
Staff: GJH

Actual:
6 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

187
West
1/4-1/2
0.433 mi.
2285 ft.

CASTLE CAR WASH
1500 PACIFIC COAST HWY W
LONG BEACH, CA 90813

HIST CORTESE
LUST

S101296766
N/A

Relative:
Lower

CORTESE:
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 908100143

Actual:
12 ft.

LUST:
Region: STATE
Global Id: T0603701908
Latitude: 33.789397
Longitude: -118.21239
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 1998-04-17 00:00:00
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Worker: DK
Local Agency: LONG BEACH/SIGNAL HILL, CITIES OF
RB Case Number: 908100143
LOC Case Number: Not reported
File Location: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
facid: 908100143
Status: Case Closed
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater
Abatement Method Used at the Site: Not reported
Global ID: T0603701908
W Global ID: Not reported
Staff: DK
Local Agency: 19060
Cross Street: CASPIAN AVE
Enforcement Type: Not reported
Date Leak Discovered: Not reported
Date Leak First Reported: 12/27/1993
Date Leak Record Entered: 2/22/1994
Date Confirmation Began: Not reported
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 6/25/1998
Date the Case was Closed: 4/17/1998
How Leak Discovered: Not reported
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CASTLE CAR WASH (Continued)

S101296766

Operator: OLD # 121294-48
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 14934.8039060330469763755088
Source of Cleanup Funding: UNK
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: 6/25/1997
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: 1/1/1965
Hist Max MTBE Conc in Groundwater: 130
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: CASTLE CAR WASH
RP Address: 1500 W. PACIFIC COAST HIGHWAY, LONG BEACH, CA 90810
Program: LUST
Lat/Long: 33.7896837 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: 10/22/96 - GW MON. RPT. 06/20/97 -
WP FOR GW MON. 02/13/98 - GW
SAMPLING RPT-1ST QTR 1998 06/25/98 - GW MON WELLS
ABANDONMENT RPT

188
West
1/4-1/2
0.450 mi.
2374 ft.

EAGLE INDUSTRIES (ILLEGALLY RMVD 3)
1517 W ESTHER ST
LONG BEACH, CA

LUST U003660690
UST N/A

Relative:
Lower

LUST:

Actual:
11 ft.

Region: STATE
Global Id: T0603792998
Latitude: 33.7891389951228
Longitude: -118.21259021759
Case Type: LUST Cleanup Site
Status: Open - Site Assessment
Status Date: 2000-08-18 00:00:00
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Worker: NC
Local Agency: LONG BEACH/SIGNAL HILL, CITIES OF
RB Case Number: 908130634
LOC Case Number: Not reported
File Location: Regional Board
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EAGLE INDUSTRIES (ILLEGALLY RMVD 3) (Continued)

U003660690

LUST REG 4:

Region:	4	
Regional Board:	04	
County:	Los Angeles	
facid:	908130634	
Status:	Preliminary site assessment workplan submitted	
Substance:	Gasoline	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Groundwater	
Abatement Method Used at the Site:	OT	
Global ID:	T0603792998	
W Global ID:	Not reported	
Staff:	NC	
Local Agency:	19060	
Cross Street:	CASPIAN	
Enforcement Type:	SEL	
Date Leak Discovered:	4/1/2000	
Date Leak First Reported:		6/22/2000
Date Leak Record Entered:	Not reported	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		9/6/2002
Date the Case was Closed:		Not reported
How Leak Discovered:	OM	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	UNK	
Operator:	Not reported	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):	15148.227026517451692643760163	
Source of Cleanup Funding:	UNK	
Preliminary Site Assessment Workplan Submitted:	8/18/2000	
Preliminary Site Assessment Began:	Not reported	
Pollution Characterization Began:	Not reported	
Remediation Plan Submitted:	Not reported	
Remedial Action Underway:	Not reported	
Post Remedial Action Monitoring Began:	6/22/2000	
Enforcement Action Date:	8/18/2000	
Historical Max MTBE Date:	4/13/2000	
Hist Max MTBE Conc in Groundwater:	1	
Hist Max MTBE Conc in Soil:	.005	
Significant Interim Remedial Action Taken:	Unknown	
GW Qualifier:	<	
Soil Qualifier:	<	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	NORMAN DILLINGER	
RP Address:	1517 W. ESTHER ST.	
Program:	LUST	
Lat/Long:	33.788863 / -1	
Local Agency Staff:	Not reported	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EAGLE INDUSTRIES (ILLEGALLY RMVD 3) (Continued)

U003660690

Assigned Name: Not reported
Summary: Not reported

LONG BEACH UST:

Region: LONG BEACH
Tank Code: Not reported
Tank Test: Not reported
Leak Test: Not reported

AL189
WSW
1/4-1/2
0.457 mi.
2415 ft.
SULLIVAN CHEM CO INC
1470 W 9TH ST
LONG BEACH, CA 90813
Site 2 of 2 in cluster AL

CERC-NFRAP **1003878832**
CAD981170368

Relative: CERC-NFRAP:
Lower Site ID: 0902276
Federal Facility: Not a Federal Facility
Actual: NPL Status: Not on the NPL
7 ft. Non NPL Status: NFRAP

CERCLIS-NFRAP Site Contact Name(s):

Contact Title: Not reported
Contact Name: Carl Brickner
Contact Tel: (415) 972-3814

Contact Title: Not reported
Contact Name: Brunilda Davila
Contact Tel: (415) 972-3162

Contact Title: Not reported
Contact Name: Jeff Inglis
Contact Tel: (415) 972-3095

Contact Title: Not reported
Contact Name: Karen Jurist
Contact Tel: (415) 972-3219

Contact Title: Not reported
Contact Name: Matt Mitguard
Contact Tel: (415) 972-3096

CERCLIS-NFRAP Site Alias Name(s):

Alias Name: DRITROL CO
Alias Address: Not reported
CA

CERCLIS-NFRAP Assessment History:

Action: DISCOVERY
Date Started: Not reported
Date Completed: 01/01/1986
Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT
Date Started: 11/01/1985
Date Completed: 05/01/1986

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SULLIVAN CHEM CO INC (Continued)

1003878832

Priority Level: NFRAP: No further Remedial Action planned

Action: ARCHIVE SITE

Date Started: Not reported

Date Completed: 05/01/1986

Priority Level: Not reported

AM190 **TRANS WORLD OIL CORPORATION**
West **1532 ANAHEIM ST W**
1/4-1/2 **LONG BEACH, CA 90813**
0.462 mi.
2439 ft. **Site 1 of 2 in cluster AM**

LUST **S103891110**
N/A

Relative:
Lower

LUST:

Region: STATE
Global Id: T0603701837
Latitude: 33.7825908
Longitude: -118.2126446
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 1997-12-31 00:00:00
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Worker: JW
Local Agency: LONG BEACH/SIGNAL HILL, CITIES OF
RB Case Number: 908061043
LOC Case Number: Not reported
File Location: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Diesel
Site History: Not reported

Actual:
8 ft.

LUST REG 4:

Region: 4
Regional Board: 04
County: Los Angeles
facid: 908061043
Status: Case Closed
Substance: Diesel
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater
Abatement Method Used at the Site: Not reported
Global ID: T0603701837
W Global ID: Not reported
Staff: JW
Local Agency: 19060
Cross Street: Not reported
Enforcement Type: Not reported
Date Leak Discovered: Not reported
Date Leak First Reported: 9/15/1988
Date Leak Record Entered: 9/10/1988
Date Confirmation Began: Not reported
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 6/13/1997
Date the Case was Closed: 12/31/1997
How Leak Discovered: Not reported
How Leak Stopped: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TRANS WORLD OIL CORPORATION (Continued)

S103891110

Cause of Leak: Not reported
Leak Source: Not reported
Operator: Not reported
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 17231.332930766640031646518397
Source of Cleanup Funding: Not reported
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: 9/15/1988
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: BLANK RP
RP Address: 1560 W. ANAHEIM ST., LONG BEACH, CA 90806
Program: LUST
Lat/Long: 33.7825908 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: 4/30/97 - INFORMATION LETTER SENT & FOLLOW-UP. 06/5/97 -
COUNTY ASSESSOR REVIEW (FIRST & SECOND FLOOR) 06/5/97 -
INFORMATION LETTER SENT & FOLLOW-UP. SITE CLOSED BY CITY
OF LONG BEACH ON MARCH 22

AN191 **SNYDER MFG CORPORATION**
West **1541 COWLES**
1/4-1/2 **LONG BEACH, CA 90813**
0.470 mi.
2480 ft. **Site 1 of 3 in cluster AN**

HIST CORTESE **S105024524**
N/A

Relative: **CORTESE:**
Lower **Region:** **CORTESE**
Facility County Code: **19**
Actual: **Reg By:** **CALSI**
9 ft. **Reg Id:** **19280503**

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AN192
West
1/4-1/2
0.471 mi.
2486 ft.
SNYDER MFG CORPORATION
1541 W COWLES STREET
LONG BEACH, CA 90813
Site 2 of 3 in cluster AN

ENVIROSTOR
S101480621
N/A

Relative:
Lower

ENVIROSTOR:

Actual:
9 ft.

Site Type: Historical
Site Type Detailed: * Historical
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: * MMONROY
Division Branch: Cypress
Facility ID: 19280503
Site Code: Not reported
Assembly: 55
Senate: 28
Special Program: Not reported
Status: Refer: Other Agency
Status Date: 1/18/1995
Restricted Use: NO
Site Mgmt. Req.: NONE SPECIFIED
Funding: Not reported
Latitude: 33.7849137985529
Longitude: -118.213097500167
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: 10098, 10193, 10194
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: JONES MACHINE SHOP
Alias Type: Alternate Name
Alias Name: 19280503
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 1980-03-25 00:00:00
Comments: FACILITY IDENTIFIED IW SURVEY QUESTIONNAIRE 12580 QUESTIONNAIRE RECEIVED

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 1995-01-18 00:00:00
Comments: DATABASE VALIDATION PROGRAM CONFIRMS NFA FOR DTSC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 1988-01-28 00:00:00
Comments: SITE SCREENING DONE ADDITIONAL INFORMATION IS NEEDED TO DETERMINE CHEMICAL WASTE HANDLING, STORAGE AND DISPOSAL PRACTICES. SIGNIFICANT QUANTITIES OF HAZ SUBSTANCES MAY HAVE BEEN HANDLED AT THIS SITE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SNYDER MFG CORPORATION (Continued)

S101480621

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

AN193 **SNYDER MFG CORP**
West **1541 W COWLES ST**
1/4-1/2 **LONG BEACH, CA 90813**
0.471 mi.
2486 ft. **Site 3 of 3 in cluster AN**

CERC-NFRAP **1002850289**
DRYCLEANERS **CAD008277501**
HAZNET

Relative: CERC-NFRAP:
Lower Site ID: 0901019
Federal Facility: Not a Federal Facility
Actual: NPL Status: Not on the NPL
9 ft. Non NPL Status: NFRAP

CERCLIS-NFRAP Site Contact Name(s):

Contact Title: Not reported
Contact Name: Carl Brickner
Contact Tel: (415) 972-3814

Contact Title: Not reported
Contact Name: Brunilda Davila
Contact Tel: (415) 972-3162

Contact Title: Not reported
Contact Name: Jeff Inglis
Contact Tel: (415) 972-3095

Contact Title: Not reported
Contact Name: Karen Jurist
Contact Tel: (415) 972-3219

Contact Title: Not reported
Contact Name: Matt Mitguard
Contact Tel: (415) 972-3096

CERCLIS-NFRAP Assessment History:

Action: DISCOVERY
Date Started: Not reported
Date Completed: 11/01/1985
Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT
Date Started: 09/01/1985
Date Completed: 06/01/1986
Priority Level: Low priority for further assessment

Action: ARCHIVE SITE
Date Started: Not reported
Date Completed: 01/18/1989

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SNYDER MFG CORP (Continued)

1002850289

Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT
Date Started: Not reported
Date Completed: 01/18/1989
Priority Level: NFRAP: No further Remedial Action planned

DRYCLEANERS:

EPA Id: CAL000005153
NAICS Code: 325612
NAICS Description: Polish and Other Sanitation Good Manufacturing
SIC Code: 2842
SIC Description: Specialty Cleaning, Polishing, and Sanitary Preparations
Create Date: 11/14/1989
Facility Active: Yes
Inactive Date: Not reported
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 1541 W COWLES ST
Mailing Address 2: Not reported
Mailing State: CA
Mailing Zip: 908130000
Region Code: 3
Owner Name: SNYDER MFG CORP
Owner Address: STREET ADDRESS NEEDED
Owner Address 2: Not reported
Owner Telephone: 0000000000
Contact Name: ERIC SNYDER PRES
Contact Address: ADDRESS NEEDED
Contact Address 2: Not reported
Contact Telephone: 5624322038

HAZNET:

Gepaid: CAL000005153
Contact: SNYDER MFG CORP
Telephone: 0000000000
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 1541 W COWLES ST
Mailing City,St,Zip: LONG BEACH, CA 908130000
Gen County: Los Angeles
TSD EPA ID: CAD028409019
TSD County: Los Angeles
Waste Category: Unspecified oil-containing waste
Disposal Method: Treatment, Tank
Tons: .2085
Facility County: Los Angeles

Gepaid: CAL000005153
Contact: SNYDER MFG CORP
Telephone: 0000000000
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 1541 W COWLES ST
Mailing City,St,Zip: LONG BEACH, CA 908130000
Gen County: Los Angeles

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SNYDER MFG CORP (Continued)

1002850289

TSD EPA ID: CAD028409019
TSD County: Los Angeles
Waste Category: Off-specification, aged, or surplus organics
Disposal Method: Transfer Station
Tons: .8340
Facility County: Los Angeles

Gepaid: CAL000005153
Contact: SNYDER MFG CORP
Telephone: 0000000000
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 1541 W COWLES ST
Mailing City,St,Zip: LONG BEACH, CA 908130000
Gen County: Los Angeles
TSD EPA ID: CAD028409019
TSD County: Los Angeles
Waste Category: Unspecified organic liquid mixture
Disposal Method: Treatment, Tank
Tons: 4.1700
Facility County: Los Angeles

Gepaid: CAL000005153
Contact: ERIC SNYDER PRES
Telephone: 5624322038
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 1541 W COWLES ST
Mailing City,St,Zip: LONG BEACH, CA 908130000
Gen County: Los Angeles
TSD EPA ID: CAD008252405
TSD County: Los Angeles
Waste Category: Off-specification, aged, or surplus organics
Disposal Method: H061
Tons: 2.178
Facility County: Los Angeles

Gepaid: CAL000005153
Contact: ERIC SNYDER PRES
Telephone: 5624322038
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 1541 W COWLES ST
Mailing City,St,Zip: LONG BEACH, CA 908130000
Gen County: Los Angeles
TSD EPA ID: Not reported
TSD County: Los Angeles
Waste Category: Laboratory waste chemicals
Disposal Method: Transfer Station
Tons: 1.47
Facility County: Not reported

[Click this hyperlink](#) while viewing on your computer to access
5 additional CA_HAZNET: record(s) in the EDR Site Report.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

194
SW
1/4-1/2
0.474 mi.
2503 ft.

**ARCO MARINE TERMINAL 2
1300 PIER B
LONG BEACH, CA 90813**

**NPDES S103878658
SLIC N/A**

**Relative:
Lower**

NPDES:

Npdes Number: CA0000442
Facility Status: Active
Agency Id: 5095
Region: 4
Regulatory Measure Id: 132682
Order No: R4-2004-0116
Regulatory Measure Type: NPDES Permits
Place Id: 238553
WDID: 4B192010018
Program Type: NPDES
Adoption Date Of Regulatory Measure: 2004-08-05 00:00:00
Effective Date Of Regulatory Measure: 2004-08-05 00:00:00
Expiration Date Of Regulatory Measure: 2010-01-01 00:00:00
Termination Date Of Regulatory Measure: Not reported
Discharge Name: BP West Coast Product LLC
Discharge Address: 8601 South Garfield Avenue
Discharge City: South Gate
Discharge State: CA
Discharge Zip: 90280

**Actual:
10 ft.**

SLIC:

Region: STATE
Facility Status: Open - Remediation
Status Date: 2010-03-23 00:00:00
Global Id: SL374422455
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number: Not reported
Latitude: 33.7770427358461
Longitude: -118.21106672287
Case Type: Cleanup Program Site
Case Worker: PGN
Local Agency: Not reported
RB Case Number: 0343A
File Location: Regional Board
Potential Media Affected: Aquifer used for drinking water supply, Soil, Soil Vapor
Potential Contaminants of Concern: Benzene, Toluene, Xylene, Diesel, Fuel Oxygenates, Gasoline, Other Petroleum

Site History: Terminal2 has been in operation since the 1920s and has historically been used to store crude oil and refined petroleum products. The 18-acre Terminal 2 facility has 27 aboveground storage tanks (ASTs) that are contained within three tank farms, each of which is surrounded by a concrete firewall. ARCO Terminal Services Corporation (ATSC) owns and operates Terminal 2,. The western portion of the Terminal 2 facility is leased from the POLB, who also owns the storage lot located north of the Terminal 2 facility.

SLIC:

Region: 4
Facility Status: Remediation
SLIC: 0343A
Substance: TPH

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ARCO MARINE TERMINAL 2 (Continued)

S103878658

Staff: PGN

AM195
West
1/4-1/2
0.483 mi.
2551 ft.

CAL BUMPER CO., INC.
1555 W. ANAHEIM STREET
LONG BEACH, CA 90813

ENVIROSTOR

S110493698
N/A

Site 2 of 2 in cluster AM

Relative:
Lower

Actual:
8 ft.

ENVIROSTOR:

Site Type: Not reported
Site Type Detailed: Tiered Permit
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Not reported
Division Branch: Cypress
Facility ID: 71002353
Site Code: Not reported
Assembly: 55
Senate: 28
Special Program: Not reported
Status: Not reported
Status Date: Not reported
Restricted Use: NO
Site Mgmt. Req.: NONE SPECIFIED
Funding: Not reported
Latitude: 33.782820100000002
Longitude: -118.21341990000001
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAD030862742
Alias Type: EPA Identification Number

Completed Info:

Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

196
ENE
1/4-1/2
0.484 mi.
2553 ft.

TEXACO SERVICE STATION(FORMER)
340 PACIFIC COAST HWY W
LONG BEACH, CA 90806

LUST S103587516
N/A

Relative:
Lower

LUST:

Actual:
12 ft.

Region: STATE
Global Id: T0603701823
Latitude: 33.7900275
Longitude: -118.1956111
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 2010-03-09 00:00:00
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Worker: JLC
Local Agency: LONG BEACH/SIGNAL HILL, CITIES OF
RB Case Number: 908060034
LOC Case Number: Not reported
File Location: Regional Board
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST REG 4:

Region: 4
Regional Board: 04
County: Los Angeles
facid: 908060034
Status: Remedial action (cleanup) Underway
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater
Abatement Method Used at the Site: ED FP
Global ID: T0603701823
W Global ID: Not reported
Staff: JLC
Local Agency: 19060
Cross Street: PACIFIC
Enforcement Type: SI
Date Leak Discovered: Not reported
Date Leak First Reported: 3/6/1985
Date Leak Record Entered: 12/31/1986
Date Confirmation Began: Not reported
Date Leak Stopped: 10/24/1987
Date Case Last Changed on Database: 7/15/2002
Date the Case was Closed: Not reported
How Leak Discovered: Not reported
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Operator: Not reported
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 13081.081903878841149977297148
Source of Cleanup Funding: UNK
Preliminary Site Assessment Workplan Submitted: 1/27/1989
Preliminary Site Assessment Began: 1/27/1989

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TEXACO SERVICE STATION(FORMER) (Continued)

S103587516

Pollution Characterization Began: 5/14/1999
Remediation Plan Submitted: 5/14/1999
Remedial Action Underway: 4/28/2004
Post Remedial Action Monitoring Began: 3/6/1985
Enforcement Action Date: 12/14/2000
Historical Max MTBE Date: 8/28/1998
Hist Max MTBE Conc in Groundwater: 170
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Yes
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: JINGHUI NIU
RP Address: 30 HUGHES, SUITE #205
Program: LUST
Lat/Long: 33.7900275 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: COMPANY REPORTED THE SOIL CONTAMINATION TO VERNON SAP SUBMITTED, UNDER REVIEW BY BOARD STAFF; 1ST LEVEL EFL RETURNED. SENT TO NEW ADDRESS. CUF DELAY; 12/1/00 WP FOR MONITORING WELL REPLACEMENT; 1/1/01 VE SYSTEM OPERATION;

197
West
1/4-1/2
0.495 mi.
2612 ft.

PORT OF LONG BEACH
PIER A
LONG BEACH, CA 90813

SLIC 1001131934
HAZNET N/A

Relative:
Lower

SLIC:

Region: STATE
Facility Status: Completed - Case Closed
Status Date: 1995-10-18 00:00:00
Global Id: SLT43258256
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number: Not reported
Latitude: 33.8038112212478
Longitude: -118.164083698727
Case Type: Cleanup Program Site
Case Worker: TA
Local Agency: Not reported
RB Case Number: 0434
File Location: Not reported
Potential Media Affected: Not reported
Potential Contaminants of Concern: Not reported
Site History: Not reported

Actual:
8 ft.

SLIC:

Region: 4
Facility Status: No further action required
SLIC: 0434
Substance: TPH/V

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PORT OF LONG BEACH (Continued)

1001131934

Staff: Not reported

HAZNET:

Gepaid: CAP600929236
Contact: Not reported
Telephone: 0000000000
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: Not reported
Mailing City,St,Zip: 000000000
Gen County: 0
TSD EPA ID: CAD028409019
TSD County: Los Angeles
Waste Category: Aqueous solution with less than 10% total organic residues
Disposal Method: Treatment, Tank
Tons: .1250
Facility County: 0

Gepaid: CAP600929236
Contact: Not reported
Telephone: 0000000000
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: Not reported
Mailing City,St,Zip: 000000000
Gen County: 0
TSD EPA ID: CAD028409019
TSD County: Los Angeles
Waste Category: Waste oil and mixed oil
Disposal Method: Transfer Station
Tons: .8250
Facility County: 0

Gepaid: CAP600929236
Contact: Not reported
Telephone: 0000000000
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: Not reported
Mailing City,St,Zip: 000000000
Gen County: 0
TSD EPA ID: CAD028409019
TSD County: Los Angeles
Waste Category: Other organic solids
Disposal Method: Transfer Station
Tons: .0500
Facility County: 0

Gepaid: CAC000883736
Contact: PORT OF LONG BEACH
Telephone: 0000000000
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 925 HARBOR PLAZA
Mailing City,St,Zip: LONG BEACH, CA 908020000
Gen County: Los Angeles
TSD EPA ID: CAD067786749

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PORT OF LONG BEACH (Continued)

1001131934

TSD County: Los Angeles
Waste Category: Asbestos-containing waste
Disposal Method: Disposal, Land Fill
Tons: .0350
Facility County: Los Angeles

AO198
West
1/4-1/2
0.496 mi.
2620 ft.

MO DION AND SONS INCORPORATED
1569 WEST 16TH STREET
LONG BEACH, CA 90813

CERC-NFRAP
RCRA-SQG
FINDS
HAZNET

1000305519
CAD046434676

Site 1 of 4 in cluster AO

Relative:
Lower

CERC-NFRAP:
Site ID: 0901368
Federal Facility: Not a Federal Facility
NPL Status: Not on the NPL
Non NPL Status: NFRAP

Actual:
10 ft.

CERCLIS-NFRAP Site Contact Name(s):

Contact Title: Not reported
Contact Name: Carl Brickner
Contact Tel: (415) 972-3814

Contact Title: Not reported
Contact Name: Brunilda Davila
Contact Tel: (415) 972-3162

Contact Title: Not reported
Contact Name: Jeff Inglis
Contact Tel: (415) 972-3095

Contact Title: Not reported
Contact Name: Karen Jurist
Contact Tel: (415) 972-3219

Contact Title: Not reported
Contact Name: Matt Mitguard
Contact Tel: (415) 972-3096

CERCLIS-NFRAP Assessment History:

Action: DISCOVERY
Date Started: Not reported
Date Completed: 11/01/1985
Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT
Date Started: 09/01/1985
Date Completed: 04/01/1986
Priority Level: Low priority for further assessment

Action: ARCHIVE SITE
Date Started: Not reported
Date Completed: 12/29/1988
Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT
Date Started: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MO DION AND SONS INCORPORATED (Continued)

1000305519

Date Completed: 12/29/1988
Priority Level: NFRAP: No further Remedial Action planned

RCRA-SQG:

Date form received by agency: 09/01/1996
Facility name: MO DION & SONS INC
Facility address: 1569 W 16TH ST
LONG BEACH, CA 90813
EPA ID: CAD046434676
Mailing address: PO BOX 270
LONG BEACH, CA 90801
Contact: ENVIRONMENTAL MANAGER
Contact address: PO BOX 270
LONG BEACH, CA 90801
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 09
Land type: Facility is not located on Indian land. Additional information is not known.
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: MO DION & SONS INC
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: Unknown
Mixed waste (haz. and radioactive): Unknown
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: Unknown
Furnace exemption: Unknown

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MO DION AND SONS INCORPORATED (Continued)

1000305519

Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Verified to be non-commercial

Historical Generators:

Date form received by agency: 01/16/1986
Facility name: MO DION & SONS INC
Classification: Large Quantity Generator

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 06/03/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State Contractor/Grantee

FINDS:

Registry ID: 110002646352

Environmental Interest/Information System

The NEI (National Emissions Inventory) database contains information on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZNET:

Gepaid: CAD046434676
Contact: PAT CULLEN/PRESIDENT & OWNER
Telephone: 0000000000
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 1543 W 16TH ST
Mailing City,St,Zip: LONG BEACH, CA 908131210
Gen County: Los Angeles
TSD EPA ID: CAT080013352
TSD County: Los Angeles

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MO DION AND SONS INCORPORATED (Continued)

1000305519

Waste Category: Tank bottom waste
Disposal Method: Recycler
Tons: 1.0425
Facility County: Los Angeles

Gepaid: CAD046434676
Contact: PAT CULLEN/PRESIDENT & OWNER
Telephone: 0000000000
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 1543 W 16TH ST
Mailing City,St,Zip: LONG BEACH, CA 908131210
Gen County: Los Angeles
TSD EPA ID: CAT080033681
TSD County: Los Angeles
Waste Category: Unspecified oil-containing waste
Disposal Method: Recycler
Tons: .4587
Facility County: Los Angeles

Gepaid: CAD046434676
Contact: PAT CULLEN/PRESIDENT & OWNER
Telephone: 0000000000
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 1543 W 16TH ST
Mailing City,St,Zip: LONG BEACH, CA 908131210
Gen County: Los Angeles
TSD EPA ID: CAT080013352
TSD County: Los Angeles
Waste Category: Waste oil and mixed oil
Disposal Method: Recycler
Tons: 16.4256
Facility County: Los Angeles

Gepaid: CAD046434676
Contact: MATT CULLEN, G.M
Telephone: 5624323946
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 1543 W 16TH ST
Mailing City,St,Zip: LONG BEACH, CA 908131210
Gen County: Los Angeles
TSD EPA ID: CAD099452708
TSD County: Los Angeles
Waste Category: Waste oil and mixed oil
Disposal Method: Recycler
Tons: 7.5
Facility County: Los Angeles

Gepaid: CAD046434676
Contact: PAT CULLEN/PRESIDENT & OWNER
Telephone: 0000000000
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 1543 W 16TH ST
Mailing City,St,Zip: LONG BEACH, CA 908131210

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MO DION AND SONS INCORPORATED (Continued)

1000305519

Gen County: Los Angeles
TSD EPA ID: CAD050099696
TSD County: Los Angeles
Waste Category: Aqueous solution with less than 10% total organic residues
Disposal Method: Recycler
Tons: 3.2316
Facility County: Los Angeles

[Click this hyperlink](#) while viewing on your computer to access
6 additional CA_HAZNET: record(s) in the EDR Site Report.

AO199
West
1/4-1/2
0.499 mi.
2634 ft.

DION & SONS INC
1569 016TH ST W
LONG BEACH, CA 90813

Site 2 of 4 in cluster AO

HIST CORTESE
LUST
EMI
ENVIROSTOR

S100868345
N/A

Relative:
Lower

CORTESE:
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 908130207

Actual:
10 ft.

Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 908130207A

LUST REG 4:

Region: 4
Regional Board: 04
County: Los Angeles
Facid: 908130207
Status: Case Closed
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater
Abatement Method Used at the Site: Remove Free Product
Global ID: T0603701933
W Global ID: Not reported
Staff: UNK
Local Agency: 19060
Cross Street: Not reported
Enforcement Type: Not reported
Date Leak Discovered: Not reported
Date Leak First Reported: 2/2/1992
Date Leak Record Entered: 6/8/1992
Date Confirmation Began: Not reported
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 8/7/1996
Date the Case was Closed: 7/17/1996
How Leak Discovered: Not reported
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Operator: DION MICHELL O III

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DION & SONS INC (Continued)

S100868345

Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 15576.019932398430525047147444
Source of Cleanup Funding: UNK
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: 5/29/1992
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Yes
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: DION & SONS, INCORPORATED
RP Address: 1569 16TH ST, LONG BEACH CA 90813
Program: LUST
Lat/Long: 33.7873107 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: Not reported

EMI:

Year: 1987
County Code: 19
Air Basin: SC
Facility ID: 3606
Air District Name: SC
SIC Code: 5171
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 3
Reactive Organic Gases Tons/Yr: 3
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers & Smllr Tons/Yr: 0

Year: 1990
County Code: 19
Air Basin: SC
Facility ID: 3606
Air District Name: SC
SIC Code: 5171
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DION & SONS INC (Continued)

S100868345

Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 1
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers & Smllr Tons/Yr: 0

Year: 1995
County Code: 19
Air Basin: SC
Facility ID: 3606
Air District Name: SC
SIC Code: 5171
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 1
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers & Smllr Tons/Yr: 0

ENVIROSTOR:

Site Type: Historical
Site Type Detailed: * Historical
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: * MMONROY
Division Branch: Cypress
Facility ID: 19290263
Site Code: Not reported
Assembly: 55
Senate: 28
Special Program: * Site Char & Assess Grant (CERCLA 104)
Status: Refer: RWQCB
Status Date: 6/20/1995
Restricted Use: NO
Site Mgmt. Req.: NONE SPECIFIED
Funding: Not reported
Latitude: 33.787549289162399
Longitude: -118.213380726715
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: 10009, 10067, 10199
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 110002646352
Alias Type: EPA (FRS #)
Alias Name: 19290263
Alias Type: Envirostor ID Number

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DION & SONS INC (Continued)

S100868345

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 1983-01-12 00:00:00
Comments: FACILITY IDENTIFIED L.A. CHAM OF COMM BUS DIR 1971
MFG./DISTRIBUTOR/GAS/LUBRICANTS/SOLVENTS

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 1995-04-25 00:00:00
Comments: LA RWQCB'S UST LEAK LIST INDICATES THE BOARD IS OVERSEEING THE
CLEANUP OF THE SITE. STATUS IS ADDITIONAL CHARACTER- IZATION (SC).
GROUNDWATER AT THE SITE IS CONTAMINATED. DEPT RECEIVED THE EPA
REASSESSMENT REPORT WHICH RECOMMENDED NFA UNDER CERCLA FOR THE SITE.
DUE TO RWQCB'S OVERSIGHT, THE DEPT'S INVOLVEMENT IS UNNECESSARY.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

200
West
1/4-1/2
0.499 mi.
2634 ft.

CAL STATE OIL CO
1571 15TH ST W
LONG BEACH, CA 90813

LUST **S105036603**
N/A

Relative:
Lower

LUST:

Region: STATE
Global Id: T0603791302
Latitude: 33.785737
Longitude: -118.213271
Case Type: LUST Cleanup Site
Status: Open - Verification Monitoring
Status Date: 2002-03-27 00:00:00
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Worker: NB
Local Agency: LONG BEACH/SIGNAL HILL, CITIES OF
RB Case Number: 908130643
LOC Case Number: Not reported
File Location: Regional Board
Potential Media Affect: Soil
Potential Contaminants of Concern: Diesel
Site History: Not reported

Actual:
9 ft.

LUST REG 4:

Region: 4
Regional Board: 04
County: Los Angeles
facid: 908130643

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL STATE OIL CO (Continued)

S105036603

Status: Post remedial action monitoring
Substance: Diesel
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: Not reported
Global ID: T0603791302
W Global ID: Not reported
Staff: NB
Local Agency: 19060
Cross Street: CANAL AVE
Enforcement Type: TA-GEN
Date Leak Discovered: 7/8/1998
Date Leak First Reported: 4/3/2001
Date Leak Record Entered: Not reported
Date Confirmation Began: 4/3/2001
Date Leak Stopped: 7/8/1998
Date Case Last Changed on Database: 4/3/2001
Date the Case was Closed: Not reported
How Leak Discovered: Repair Tank
How Leak Stopped: Not reported
Cause of Leak: Structure Failure
Leak Source: Tank
Operator: HRACH ADANALYAN
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 16100.140225659356631034254897
Source of Cleanup Funding: Tank
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: Not reported
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: 3/27/2002
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: A. J. BOHDJELIAN
RP Address: 16033 VOSS ST.
Program: LUST
Lat/Long: 33.785737 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

201
East
1/2-1
0.542 mi.
2861 ft.

ANAHEIM STREET SCHOOL
ANAHEIM STREET/PACIFIC AVENUE
LONG BEACH, CA 90813

SCH S105628511
ENVIROSTOR N/A

Relative:
Higher

SCH:

Actual:
38 ft.

Facility ID: 19550025
Site Type: School Investigation
Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED
Acres: 6.5
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: NONE SPECIFIED
Lead Agency Description: Not reported
Project Manager: Not reported
Supervisor: Javier Hinojosa
Division Branch: Chatsworth
Site Code: 404326
Assembly: 55
Senate: 27
Special Program Status: Not reported
Status: Inactive - Action Required
Status Date: 10/18/2005
Restricted Use: NO
Funding: School District
Latitude: 33.783000000000001
Longitude: -118.19199999999999
APN: NONE SPECIFIED
Past Use: * RETAIL - AUTO DEALERS & SERVICE STATIONS
Potential COC: Not reported
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: ANAHEIM STREET SCHOOL
Alias Type: Alternate Name
Alias Name: LONG BEACH UNIFIED SCHOOL DISTRICT
Alias Type: Alternate Name
Alias Name: LONG BEACH USD-ANAHEIM STREET PARCELS
Alias Type: Alternate Name
Alias Name: 404326
Alias Type: Project Code (Site Code)
Alias Name: 19550025
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 2002-04-02 00:00:00
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANAHEIM STREET SCHOOL (Continued)

S105628511

Schedule Due Date: Not reported
Schedule Revised Date: Not reported

ENVIROSTOR:

Site Type: School Investigation
Site Type Detailed: School
Acres: 6.5
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Javier Hinojosa
Division Branch: Chatsworth
Facility ID: 19550025
Site Code: 404326
Assembly: 55
Senate: 27
Special Program: Not reported
Status: Inactive - Action Required
Status Date: 10/18/2005
Restricted Use: NO
Site Mgmt. Req.: NONE SPECIFIED
Funding: School District
Latitude: 33.783000000000001
Longitude: -118.19199999999999
APN: NONE SPECIFIED
Past Use: * RETAIL - AUTO DEALERS & SERVICE STATIONS
Potential COC: Not reported
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: ANAHEIM STREET SCHOOL
Alias Type: Alternate Name
Alias Name: LONG BEACH UNIFIED SCHOOL DISTRICT
Alias Type: Alternate Name
Alias Name: LONG BEACH USD-ANAHEIM STREET PARCELS
Alias Type: Alternate Name
Alias Name: 404326
Alias Type: Project Code (Site Code)
Alias Name: 19550025
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 2002-04-02 00:00:00
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

AO202 CROSBY & OVERTON PLANT NUMBER 1
West 1630 W 17TH ST
1/2-1 LONG BEACH, CA 90813
0.545 mi.
2880 ft. Site 3 of 4 in cluster AO

Relative:
Lower

Actual:
10 ft.

RCRA-TSDF 1000377893
CERC-NFRAP CAD028409019
CORRACTS
RCRA-LQG
FTTS
HIST FTTS
FINDS
HIST CORTESE
LUST
CA FID UST
HIST UST
MANIFEST
MANIFEST
SWEEPS UST
FINANCIAL ASSURANCE
HWP

RCRA-TSDF:

Date form received by agency: 04/01/2007
Facility name: CROSBY AND OVERTON PLANT # 1
Facility address: 1630 W. 17TH ST.
LONG BEACH, CA 90813
EPA ID: CAD028409019
Contact: RON DAERR
Contact address: Not reported
Not reported
Contact country: Not reported
Contact telephone: (562) 432-5445
Contact email: RDAERR@CROSBYOVERTON.COM
EPA Region: 09
Land type: Private
Classification: TSDF
Description: Handler is engaged in the treatment, storage or disposal of hazardous waste
TSD commencement date: Not reported
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name: CROSBY & OVERTON
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 08/26/1959
Owner/Op end date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON PLANT NUMBER 1 (Continued)

1000377893

Owner/operator name: CROSBY & OVERTON
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 08/26/1959
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Commercial status unknown

Universal Waste Summary:

Waste type: Batteries
Accumulated waste on-site: No
Generated waste on-site: Not reported

Waste type: Lamps
Accumulated waste on-site: No
Generated waste on-site: Not reported

Waste type: Pesticides
Accumulated waste on-site: No
Generated waste on-site: Not reported

Waste type: Thermostats
Accumulated waste on-site: No
Generated waste on-site: Not reported

Historical Generators:

Date form received by agency: 02/28/2006
Facility name: CROSBY AND OVERTON PLANT # 1
Site name: CROSBY AND OVERTON
Classification: Large Quantity Generator

Date form received by agency: 04/23/2003
Facility name: CROSBY AND OVERTON PLANT # 1
Site name: CROSBY & OVERTON
Classification: Large Quantity Generator

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON PLANT NUMBER 1 (Continued)

1000377893

Date form received by agency: 05/03/2002

Facility name: CROSBY AND OVERTON PLANT # 1

Site name: CROSBY & OVERTON

Classification: Large Quantity Generator

Date form received by agency: 03/16/2001

Facility name: CROSBY AND OVERTON PLANT # 1

Site name: CROSBY & OVERTON, INC.

Classification: Large Quantity Generator

Date form received by agency: 04/15/1999

Facility name: CROSBY AND OVERTON PLANT # 1

Site name: CROSBY & OVERTON, INC.

Classification: Not a generator, verified

Date form received by agency: 09/01/1996

Facility name: CROSBY AND OVERTON PLANT # 1

Site name: CROSBY & OVERTON PLT NO 1

Classification: Large Quantity Generator

Date form received by agency: 08/16/1996

Facility name: CROSBY AND OVERTON PLANT # 1

Site name: CROSBY AND OVERTON INC

Classification: Large Quantity Generator

Date form received by agency: 03/31/1994

Facility name: CROSBY AND OVERTON PLANT # 1

Site name: CROSBY & OVERTON PLANT #1

Classification: Large Quantity Generator

Date form received by agency: 02/28/1992

Facility name: CROSBY AND OVERTON PLANT # 1

Site name: CROSBY & OVERTON - PLANT #1

Classification: Large Quantity Generator

Date form received by agency: 10/26/1990

Facility name: CROSBY AND OVERTON PLANT # 1

Site name: CROSBY & OVERTON, INC.

Classification: Large Quantity Generator

Date form received by agency: 07/18/1980

Facility name: CROSBY AND OVERTON PLANT # 1

Site name: CROSBY & OVERTON PLT NO 1

Classification: Large Quantity Generator

Hazardous Waste Summary:

Waste code: D001

Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D002

Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON PLANT NUMBER 1 (Continued)

1000377893

CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Waste code: D003

Waste name: A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.

Waste code: D004

Waste name: ARSENIC

Waste code: D005

Waste name: BARIUM

Waste code: D006

Waste name: CADMIUM

Waste code: D007

Waste name: CHROMIUM

Waste code: D008

Waste name: LEAD

Waste code: D009

Waste name: MERCURY

Waste code: D010

Waste name: SELENIUM

Waste code: D011

Waste name: SILVER

Waste code: D012

Waste name: ENDRIN

Waste code: D013

Waste name: LINDANE

Waste code: D014

Waste name: METHOXYCHLOR

Waste code: D018

Waste name: BENZENE

Waste code: D019

Waste name: CARBON TETRACHLORIDE

Waste code: D020

Waste name: CHLORDANE

Waste code: D021

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON PLANT NUMBER 1 (Continued)

1000377893

Waste name:	CHLOROBENZENE
Waste code:	D022
Waste name:	CHLOROFORM
Waste code:	D023
Waste name:	O-CRESOL
Waste code:	D024
Waste name:	M-CRESOL
Waste code:	D025
Waste name:	P-CRESOL
Waste code:	D026
Waste name:	CRESOL
Waste code:	D027
Waste name:	1,4-DICHLOROBENZENE
Waste code:	D028
Waste name:	1,2-DICHLOROETHANE
Waste code:	D029
Waste name:	1,1-DICHLOROETHYLENE
Waste code:	D030
Waste name:	2,4-DINITROTOLUENE
Waste code:	D035
Waste name:	METHYL ETHYL KETONE
Waste code:	D036
Waste name:	NITROBENZENE
Waste code:	D037
Waste name:	PENTRACHLOROPHENOL
Waste code:	D038
Waste name:	PYRIDINE
Waste code:	D039
Waste name:	TETRACHLOROETHYLENE
Waste code:	D040
Waste name:	TRICHLOROETHYLENE
Waste code:	D041
Waste name:	2,4,5-TRICHLOROPHENOL
Waste code:	D043
Waste name:	VINYL CHLORIDE
Waste code:	F001
Waste name:	THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE, AND CHLORINATED

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON PLANT NUMBER 1 (Continued)

1000377893

FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code:
Waste name:

F002
THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code:
Waste name:

F003
THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code:
Waste name:

F005
THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code:
Waste name:

F008
PLATING BATH RESIDUES FROM THE BOTTOM OF PLATING BATHS FROM ELECTROPLATING OPERATIONS WHERE CYANIDES ARE USED IN THE PROCESS.

Waste code:
Waste name:

F011
SPENT CYANIDE SOLUTIONS FROM SALT BATH POT CLEANING FROM METAL HEAT TREATING OPERATIONS.

Waste code:
Waste name:

P030
CYANIDES (SOLUBLE CYANIDE SALTS), NOT OTHERWISE SPECIFIED

Waste code:
Waste name:

P098
POTASSIUM CYANIDE

Waste code:
Waste name:

P106
SODIUM CYANIDE

Waste code:
Waste name:

P121
ZINC CYANIDE

Map ID
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CROSBY & OVERTON PLANT NUMBER 1 (Continued)

1000377893

Waste code:	P122
Waste name:	ZINC PHOSPHIDE ZN3P2, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 10% (R,T)
Waste code:	U044
Waste name:	CHLOROFORM
Waste code:	U070
Waste name:	BENZENE, 1,2-DICHLORO-
Waste code:	U072
Waste name:	BENZENE, 1,4-DICHLORO-
Waste code:	U079
Waste name:	1,2-DICHLOROETHYLENE
Waste code:	U080
Waste name:	METHANE, DICHLORO-
Waste code:	U112
Waste name:	ACETIC ACID ETHYL ESTER (I)
Waste code:	U122
Waste name:	FORMALDEHYDE
Waste code:	U123
Waste name:	FORMIC ACID (C,T)
Waste code:	U151
Waste name:	MERCURY
Waste code:	U159
Waste name:	2-BUTANONE (I,T)
Waste code:	U165
Waste name:	NAPHTHALENE
Waste code:	U188
Waste name:	PHENOL
Waste code:	U210
Waste name:	ETHENE, TETRACHLORO-
Waste code:	U211
Waste name:	CARBON TETRACHLORIDE
Waste code:	U218
Waste name:	ETHANETHIOAMIDE
Waste code:	U220
Waste name:	BENZENE, METHYL-
Waste code:	U225
Waste name:	BROMOFORM
Waste code:	U228
Waste name:	ETHENE, TRICHLORO-

Map ID
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MAP FINDINGS

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CROSBY & OVERTON PLANT NUMBER 1 (Continued)

1000377893

Waste code: U239
Waste name: BENZENE, DIMETHYL- (I,T)

Waste code: U247
Waste name: BENZENE, 1,1'-(2,2,2-TRICHLOROETHYLIDENE)BIS[4- METHOXY-

Biennial Reports:

Last Biennial Reporting Year: 2009

Annual Waste Handled:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Amount (Lbs): 4824367.3

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Amount (Lbs): 1179238.3

Waste code: D003
Waste name: A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.

Amount (Lbs): 8835.8

Waste code: D004
Waste name: ARSENIC
Amount (Lbs): 38537.7

Waste code: D005
Waste name: BARIUM
Amount (Lbs): 38645

Waste code: D006
Waste name: CADMIUM
Amount (Lbs): 4384532.2

Waste code: D007
Waste name: CHROMIUM
Amount (Lbs): 4393036.6

Waste code: D008
Waste name: LEAD
Amount (Lbs): 4560848.3

Map ID
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CROSBY & OVERTON PLANT NUMBER 1 (Continued)

1000377893

Waste code:	D009
Waste name:	MERCURY
Amount (Lbs):	16040.9
Waste code:	D010
Waste name:	SELENIUM
Amount (Lbs):	11377.1
Waste code:	D011
Waste name:	SILVER
Amount (Lbs):	81966.6
Waste code:	D012
Waste name:	ENDRIN
Amount (Lbs):	7594
Waste code:	D013
Waste name:	LINDANE
Amount (Lbs):	145977.2
Waste code:	D014
Waste name:	METHOXYCHLOR
Amount (Lbs):	145977.2
Waste code:	D018
Waste name:	BENZENE
Amount (Lbs):	4369198.5
Waste code:	D019
Waste name:	CARBON TETRACHLORIDE
Amount (Lbs):	80362.3
Waste code:	D020
Waste name:	CHLORDANE
Amount (Lbs):	138383.2
Waste code:	D027
Waste name:	1,4-DICHLOROBENZENE
Amount (Lbs):	34488
Waste code:	D028
Waste name:	1,2-DICHLOROETHANE
Amount (Lbs):	184257.6
Waste code:	D029
Waste name:	1,1-DICHLOROETHYLENE
Amount (Lbs):	7594
Waste code:	D035
Waste name:	METHYL ETHYL KETONE
Amount (Lbs):	4362065.1
Waste code:	D037
Waste name:	PENTRACHLOROPHENOL
Amount (Lbs):	39889.1
Waste code:	D039

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CROSBY & OVERTON PLANT NUMBER 1 (Continued)

1000377893

Waste name: TETRACHLOROETHYLENE
Amount (Lbs): 87956.3

Waste code: D040
Waste name: TRICHLOROETHYLENE
Amount (Lbs): 87956.3

Waste code: D041
Waste name: 2,4,5-TRICHLOROPHENOL
Amount (Lbs): 12452

Waste code: D043
Waste name: VINYL CHLORIDE
Amount (Lbs): 22998.8

Waste code: F001
Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE, AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 918

Waste code: F002
Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 3624296.9

Waste code: F003
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 3680777.9

Waste code: F005
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS

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CROSBY & OVERTON PLANT NUMBER 1 (Continued)

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LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Amount (Lbs): 3625214.9

Waste code: F008
Waste name: PLATING BATH RESIDUES FROM THE BOTTOM OF PLATING BATHS FROM ELECTROPLATING OPERATIONS WHERE CYANIDES ARE USED IN THE PROCESS.

Amount (Lbs): 52072.8

Waste code: P030
Waste name: CYANIDES (SOLUBLE CYANIDE SALTS), NOT OTHERWISE SPECIFIED
Amount (Lbs): 2703.8

Corrective Action Summary:

Event date: 06/01/1984
Event: CA029WQ

Event date: 06/01/1984
Event: CA049PA

Event date: 06/01/1984
Event: CA Prioritization, Facility or area was assigned a low corrective action priority.

Event date: 07/28/1988
Event: RFA Completed, Assessment was an RFA.

Event date: 08/01/1988
Event: CA049SI

Event date: 01/15/1993
Event: CA Prioritization, Facility or area was assigned a low corrective action priority.

Event date: 02/24/1993
Event: Stabilization Measures Evaluation, This facility is not amenable to stabilization activity at the present time for reasons other than 1- it appears to be technically infeasible or inappropriate (NF) or 2- there is a lack of technical information (IN). Reasons for this conclusion may be the status of closure at the facility, the degree of risk, timing considerations, the status of corrective action work at the facility, or other administrative considerations.

Facility Has Received Notices of Violations:

Regulation violated: Not reported
Area of violation: TSD - Manifest/Records/Reporting
Date violation determined: 04/23/2009
Date achieved compliance: Not reported
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported

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CROSBY & OVERTON PLANT NUMBER 1 (Continued)

1000377893

Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Air Emission Standards - Tanks/Sl/Containers
Date violation determined: 04/23/2009
Date achieved compliance: Not reported
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/05/2009
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Container Use and Management
Date violation determined: 04/23/2009
Date achieved compliance: Not reported
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 04/23/2009
Date achieved compliance: Not reported
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/05/2009
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Manifest/Records/Reporting
Date violation determined: 04/23/2009
Date achieved compliance: Not reported
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/05/2009
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported

Map ID
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Database(s)

EDR ID Number
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CROSBY & OVERTON PLANT NUMBER 1 (Continued)

1000377893

Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Preparedness and Prevention
Date violation determined: 04/23/2009
Date achieved compliance: Not reported
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/05/2009
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: State Statute or Regulation
Date violation determined: 10/23/2008
Date achieved compliance: 10/23/2008
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 10/23/2008
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Transporters - General
Date violation determined: 10/23/2008
Date achieved compliance: 10/23/2008
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 10/23/2008
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: State Statute or Regulation
Date violation determined: 02/25/2008
Date achieved compliance: 07/13/2008
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/25/2008
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

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CROSBY & OVERTON PLANT NUMBER 1 (Continued)

1000377893

Regulation violated: Not reported
Area of violation: Permit Condition or Requirement
Date violation determined: 02/25/2008
Date achieved compliance: 07/13/2008
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/25/2008
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: State Statute or Regulation
Date violation determined: 02/25/2008
Date achieved compliance: 02/25/2008
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: 02/25/2008
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Container Use and Management
Date violation determined: 02/25/2008
Date achieved compliance: 02/25/2008
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: 02/25/2008
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Manifest
Date violation determined: 09/19/2007
Date achieved compliance: 10/01/2007
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/20/2007
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported

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CROSBY & OVERTON PLANT NUMBER 1 (Continued)

1000377893

Area of violation: TSD - Container Use and Management
Date violation determined: 05/16/2007
Date achieved compliance: 05/16/2007
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/17/2007
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Container Use and Management
Date violation determined: 03/27/2007
Date achieved compliance: 03/27/2007
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/27/2007
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 01/24/2006
Date achieved compliance: 03/27/2006
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: 01/24/2006
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Container Use and Management
Date violation determined: 01/24/2006
Date achieved compliance: 03/27/2006
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 01/26/2006
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Container Use and Management

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CROSBY & OVERTON PLANT NUMBER 1 (Continued)

1000377893

Date violation determined: 01/24/2006
Date achieved compliance: 03/27/2006
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: 01/24/2006
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Preparedness and Prevention
Date violation determined: 01/24/2006
Date achieved compliance: 03/27/2006
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: 01/24/2006
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 01/24/2006
Date achieved compliance: 03/27/2006
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 01/26/2006
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Preparedness and Prevention
Date violation determined: 01/24/2006
Date achieved compliance: 03/27/2006
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 01/26/2006
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Tank System Standards
Date violation determined: 06/28/2005

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CROSBY & OVERTON PLANT NUMBER 1 (Continued)

1000377893

Date achieved compliance: 10/05/2005
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 07/27/2006
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 43000
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Tank System Standards
Date violation determined: 06/28/2005
Date achieved compliance: 10/05/2005
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/28/2005
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 06/28/2005
Date achieved compliance: 10/05/2005
Violation lead agency: State
Enforcement action: LETTER OF INTENT TO INITIATE ENFORCEMENT ACTION
Enforcement action date: 06/30/2006
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 06/28/2005
Date achieved compliance: 10/05/2005
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: 07/27/2006
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 35240
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Tank System Standards
Date violation determined: 06/28/2005
Date achieved compliance: 10/05/2005

Map ID
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EDR ID Number
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CROSBY & OVERTON PLANT NUMBER 1 (Continued)

1000377893

Violation lead agency: State
Enforcement action: LETTER OF INTENT TO INITIATE ENFORCEMENT ACTION
Enforcement action date: 06/30/2006
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 06/28/2005
Date achieved compliance: 10/05/2005
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 07/27/2006
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 43000
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Tank System Standards
Date violation determined: 06/28/2005
Date achieved compliance: 10/05/2005
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: 07/27/2006
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 35240
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Container Use and Management
Date violation determined: 06/28/2005
Date achieved compliance: 06/28/2005
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/28/2005
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 06/28/2005
Date achieved compliance: 10/05/2005
Violation lead agency: State

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CROSBY & OVERTON PLANT NUMBER 1 (Continued)

1000377893

Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/28/2005
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 02/09/2005
Date achieved compliance: 02/23/2005
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/09/2005
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Container Use and Management
Date violation determined: 02/09/2005
Date achieved compliance: 02/09/2005
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/09/2005
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 02/09/2005
Date achieved compliance: 02/23/2005
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/09/2005
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Container Use and Management
Date violation determined: 11/22/2004
Date achieved compliance: 11/23/2004
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL

Map ID
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EDR ID Number
EPA ID Number

CROSBY & OVERTON PLANT NUMBER 1 (Continued)

1000377893

Enforcement action date: 11/24/2004
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Container Use and Management
Date violation determined: 08/19/2004
Date achieved compliance: 08/19/2004
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: 08/19/2004
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Container Use and Management
Date violation determined: 08/19/2004
Date achieved compliance: 08/19/2004
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/19/2004
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Manifest/Records/Reporting
Date violation determined: 11/04/2003
Date achieved compliance: 06/24/2004
Violation lead agency: State
Enforcement action: LETTER OF INTENT TO INITIATE ENFORCEMENT ACTION
Enforcement action date: 09/30/2004
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Manifest/Records/Reporting
Date violation determined: 11/04/2003
Date achieved compliance: 06/24/2004
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 01/06/2005

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Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON PLANT NUMBER 1 (Continued)

1000377893

Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 60000
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 11/04/2003
Date achieved compliance: 06/24/2004
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/17/2003
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 11/04/2003
Date achieved compliance: 12/16/2003
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/17/2003
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Tank System Standards
Date violation determined: 11/04/2003
Date achieved compliance: 06/24/2004
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/17/2003
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 11/04/2003
Date achieved compliance: 06/24/2004
Violation lead agency: State
Enforcement action: LETTER OF INTENT TO INITIATE ENFORCEMENT ACTION
Enforcement action date: 09/30/2004
Enf. disposition status: Not reported

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Database(s)

EDR ID Number
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CROSBY & OVERTON PLANT NUMBER 1 (Continued)

1000377893

Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Tank System Standards
Date violation determined: 11/04/2003
Date achieved compliance: 06/24/2004
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 01/06/2005
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 60000
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Records/Reporting
Date violation determined: 11/04/2003
Date achieved compliance: 12/16/2003
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/17/2003
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Manifest/Records/Reporting
Date violation determined: 11/04/2003
Date achieved compliance: 06/24/2004
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/17/2003
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 11/04/2003
Date achieved compliance: 06/24/2004
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 01/06/2005
Enf. disposition status: Not reported
Enf. disp. status date: Not reported

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Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON PLANT NUMBER 1 (Continued)

1000377893

Enforcement lead agency: State
Proposed penalty amount: 60000
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Tank System Standards
Date violation determined: 11/04/2003
Date achieved compliance: 06/24/2004
Violation lead agency: State
Enforcement action: LETTER OF INTENT TO INITIATE ENFORCEMENT ACTION
Enforcement action date: 09/30/2004
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 11/04/2003
Date achieved compliance: 06/24/2004
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 01/06/2005
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 60000
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Manifest/Records/Reporting
Date violation determined: 11/04/2003
Date achieved compliance: 06/24/2004
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 01/06/2005
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 60000
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Tank System Standards
Date violation determined: 11/04/2003
Date achieved compliance: 06/24/2004
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 01/06/2005
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State

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Database(s)

EDR ID Number
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CROSBY & OVERTON PLANT NUMBER 1 (Continued)

1000377893

Proposed penalty amount: 60000
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 11/04/2003
Date achieved compliance: 01/28/2004
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/17/2003
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 09/10/2002
Date achieved compliance: 12/10/2002
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/11/2002
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 09/10/2002
Date achieved compliance: 12/10/2002
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/11/2002
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Financial Requirements
Date violation determined: 09/04/2002
Date achieved compliance: 09/02/2003
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/04/2002
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported

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EDR ID Number
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CROSBY & OVERTON PLANT NUMBER 1 (Continued)

1000377893

Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Financial Requirements
Date violation determined: 12/14/2001
Date achieved compliance: 09/02/2003
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 12/14/2001
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 10/31/2001
Date achieved compliance: 02/01/2002
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/01/2001
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Container Use and Management
Date violation determined: 10/31/2001
Date achieved compliance: 10/31/2001
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Container Use and Management
Date violation determined: 10/31/2001
Date achieved compliance: 02/01/2002
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/01/2001
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported

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EDR ID Number
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CROSBY & OVERTON PLANT NUMBER 1 (Continued)

1000377893

Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 09/29/1999
Date achieved compliance: 10/03/2000
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: 09/29/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 09/29/1999
Date achieved compliance: 11/12/1999
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Tank System Standards
Date violation determined: 09/29/1999
Date achieved compliance: 10/03/2000
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 10/07/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Preparedness and Prevention
Date violation determined: 09/29/1999
Date achieved compliance: 11/12/1999
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Map ID
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Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON PLANT NUMBER 1 (Continued)

1000377893

Regulation violated: Not reported
Area of violation: TSD - Container Use and Management
Date violation determined: 09/29/1999
Date achieved compliance: 11/12/1999
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Tank System Standards
Date violation determined: 09/29/1999
Date achieved compliance: 10/03/2000
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: 12/07/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 09/29/1999
Date achieved compliance: 10/03/2000
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 10/07/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Tank System Standards
Date violation determined: 09/29/1999
Date achieved compliance: 10/03/2000
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: 09/29/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported

Map ID
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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON PLANT NUMBER 1 (Continued)

1000377893

Area of violation: TSD - General
Date violation determined: 09/29/1999
Date achieved compliance: 10/03/2000
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: 12/07/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Manifest/Records/Reporting
Date violation determined: 06/21/1999
Date achieved compliance: 11/11/1999
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: 03/17/2003
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 06/21/1999
Date achieved compliance: 11/11/1999
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: 03/17/2003
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Manifest/Records/Reporting
Date violation determined: 06/21/1999
Date achieved compliance: 11/11/1999
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/21/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards

Map ID
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Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON PLANT NUMBER 1 (Continued)

1000377893

Date violation determined: 06/21/1999
Date achieved compliance: 11/11/1999
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/21/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Manifest/Records/Reporting
Date violation determined: 06/21/1999
Date achieved compliance: 11/11/1999
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: 10/20/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 06/21/1999
Date achieved compliance: 11/11/1999
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: 10/20/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 264.10-18.B
Area of violation: TSD - General
Date violation determined: 02/26/1998
Date achieved compliance: 04/29/1998
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 04/24/1998
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 4000
Paid penalty amount: 4000

Regulation violated: F - 264.70-77.E
Area of violation: TSD - General
Date violation determined: 02/04/1993

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Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON PLANT NUMBER 1 (Continued)

1000377893

Date achieved compliance: 02/18/1993
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/04/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 268 ALL
Area of violation: LDR - General
Date violation determined: 02/04/1993
Date achieved compliance: 02/18/1993
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/04/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 02/04/1993
Date achieved compliance: 07/09/1993
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/04/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.10-18.B
Area of violation: TSD - General
Date violation determined: 12/06/1991
Date achieved compliance: 02/06/1992
Violation lead agency: EPA
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 05/08/1990
Date achieved compliance: 11/02/1990

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CROSBY & OVERTON PLANT NUMBER 1 (Continued)

1000377893

Violation lead agency: State
Enforcement action: FINAL 3008(H) I.S. CA ORDER
Enforcement action date: 08/29/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 270
Area of violation: TSD - General
Date violation determined: 04/16/1990
Date achieved compliance: 10/14/1991
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 05/24/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 146500
Final penalty amount: 146500
Paid penalty amount: Not reported

Regulation violated: F - 270
Area of violation: TSD - General
Date violation determined: 10/17/1989
Date achieved compliance: 10/18/1989
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/22/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 264.70-77.E
Area of violation: TSD - General
Date violation determined: 10/17/1989
Date achieved compliance: 10/18/1989
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/22/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 264.70-77.E
Area of violation: TSD - General
Date violation determined: 10/11/1989
Date achieved compliance: 12/15/1989
Violation lead agency: State

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EDR ID Number
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CROSBY & OVERTON PLANT NUMBER 1 (Continued)

1000377893

Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/22/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 270
Area of violation: TSD - General
Date violation determined: 10/11/1989
Date achieved compliance: 12/15/1989
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/22/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 07/26/1989
Date achieved compliance: 06/20/1990
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/20/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 270
Area of violation: TSD - General
Date violation determined: 02/17/1989
Date achieved compliance: 02/15/1990
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/13/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 270
Area of violation: TSD - General
Date violation determined: 02/17/1989
Date achieved compliance: 02/15/1990
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON PLANT NUMBER 1 (Continued)

1000377893

Enforcement action date: 12/22/1988
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 264.70-77.E
Area of violation: TSD - General
Date violation determined: 02/17/1989
Date achieved compliance: 02/15/1990
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 12/22/1988
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 264.70-77.E
Area of violation: TSD - General
Date violation determined: 02/17/1989
Date achieved compliance: 02/15/1990
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/13/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 268 ALL
Area of violation: LDR - General
Date violation determined: 02/17/1989
Date achieved compliance: 02/15/1990
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 12/22/1988
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 268 ALL
Area of violation: LDR - General
Date violation determined: 02/17/1989
Date achieved compliance: 02/15/1990
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/13/1989

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON PLANT NUMBER 1 (Continued)

1000377893

Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 268.7
Area of violation: LDR - General
Date violation determined: 02/17/1989
Date achieved compliance: 02/15/1990
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 12/22/1988
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 268.7
Area of violation: LDR - General
Date violation determined: 02/17/1989
Date achieved compliance: 02/15/1990
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/13/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 02/08/1989
Date achieved compliance: 10/18/1989
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 08/29/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 79000
Paid penalty amount: 79000

Regulation violated: F - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 02/08/1989
Date achieved compliance: 10/18/1989
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 12/28/1988
Enf. disposition status: Not reported

Map ID
Direction
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON PLANT NUMBER 1 (Continued)

1000377893

Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 12/03/1987
Date achieved compliance: 02/17/1989
Violation lead agency: EPA
Enforcement action: Not reported
Enforcement action date: 02/19/1988
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268 ALL
Area of violation: LDR - General
Date violation determined: 12/03/1987
Date achieved compliance: 02/17/1989
Violation lead agency: EPA
Enforcement action: Not reported
Enforcement action date: 02/19/1988
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268.7
Area of violation: LDR - General
Date violation determined: 12/03/1987
Date achieved compliance: 02/17/1989
Violation lead agency: EPA
Enforcement action: Not reported
Enforcement action date: 02/19/1988
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 11/24/1987
Date achieved compliance: 10/18/1989
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 12/21/1987
Enf. disposition status: Not reported
Enf. disp. status date: Not reported

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON PLANT NUMBER 1 (Continued)

1000377893

Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 11/24/1987
Date achieved compliance: 10/18/1989
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 12/28/1988
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.70-77.E
Area of violation: TSD - General
Date violation determined: 11/12/1987
Date achieved compliance: 12/15/1989
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 12/07/1987
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 11/12/1987
Date achieved compliance: 12/15/1989
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/12/1987
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268.7
Area of violation: LDR - General
Date violation determined: 11/12/1987
Date achieved compliance: 12/15/1989
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 12/28/1988
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON PLANT NUMBER 1 (Continued)

1000377893

Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268 ALL
Area of violation: LDR - General
Date violation determined: 11/12/1987
Date achieved compliance: 12/15/1989
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 12/22/1988
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.70-77.E
Area of violation: TSD - General
Date violation determined: 11/12/1987
Date achieved compliance: 12/15/1989
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/12/1987
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 11/12/1987
Date achieved compliance: 12/15/1989
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 12/22/1988
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 11/12/1987
Date achieved compliance: 12/15/1989
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 12/07/1987
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported

Map ID
Direction
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON PLANT NUMBER 1 (Continued)

1000377893

Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 11/12/1987
Date achieved compliance: 12/15/1989
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 12/28/1988
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268.7
Area of violation: LDR - General
Date violation determined: 11/12/1987
Date achieved compliance: 12/15/1989
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 12/22/1988
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.70-77.E
Area of violation: TSD - General
Date violation determined: 11/12/1987
Date achieved compliance: 12/15/1989
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 12/22/1988
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268 ALL
Area of violation: LDR - General
Date violation determined: 11/12/1987
Date achieved compliance: 12/15/1989
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 12/28/1988
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON PLANT NUMBER 1 (Continued)

1000377893

Paid penalty amount: Not reported

Regulation violated: FR - 264.70-77.E
Area of violation: TSD - General
Date violation determined: 11/12/1987
Date achieved compliance: 12/15/1989
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 12/28/1988
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 05/13/2009
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/23/2009
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Container Use and Management
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/23/2009
Evaluation: SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/23/2009
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General Facility Standards
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/23/2009
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Preparedness and Prevention
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/23/2009
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Air Emission Standards - Tanks/Sl/Containers
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/23/2009
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Manifest/Records/Reporting
Date achieved compliance: Not reported

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON PLANT NUMBER 1 (Continued)

1000377893

Evaluation lead agency: State

Evaluation date: 10/23/2008
Evaluation: FOLLOW-UP INSPECTION
Area of violation: State Statute or Regulation
Date achieved compliance: 10/23/2008
Evaluation lead agency: State

Evaluation date: 10/23/2008
Evaluation: FOLLOW-UP INSPECTION
Area of violation: Transporters - General
Date achieved compliance: 10/23/2008
Evaluation lead agency: State

Evaluation date: 03/12/2008
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 02/25/2008
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Permit Condition or Requirement
Date achieved compliance: 07/13/2008
Evaluation lead agency: State

Evaluation date: 02/25/2008
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: State Statute or Regulation
Date achieved compliance: 02/25/2008
Evaluation lead agency: State

Evaluation date: 02/25/2008
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Container Use and Management
Date achieved compliance: 02/25/2008
Evaluation lead agency: State

Evaluation date: 02/25/2008
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: State Statute or Regulation
Date achieved compliance: 07/13/2008
Evaluation lead agency: State

Evaluation date: 09/19/2007
Evaluation: FOLLOW-UP INSPECTION
Area of violation: Generators - Manifest
Date achieved compliance: 10/01/2007
Evaluation lead agency: State

Evaluation date: 05/16/2007
Evaluation: FOLLOW-UP INSPECTION
Area of violation: TSD - Container Use and Management
Date achieved compliance: 05/16/2007
Evaluation lead agency: State

Evaluation date: 03/27/2007

Map ID
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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON PLANT NUMBER 1 (Continued)

1000377893

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Container Use and Management
Date achieved compliance: 03/27/2007
Evaluation lead agency: State

Evaluation date: 03/26/2007
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/28/2006
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 09/22/2006
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA Contractor/Grantee

Evaluation date: 03/27/2006
Evaluation: NOT A SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/02/2006
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 01/24/2006
Evaluation: FOLLOW-UP INSPECTION
Area of violation: TSD - Preparedness and Prevention
Date achieved compliance: 03/27/2006
Evaluation lead agency: State

Evaluation date: 01/24/2006
Evaluation: FOLLOW-UP INSPECTION
Area of violation: TSD - General Facility Standards
Date achieved compliance: 03/27/2006
Evaluation lead agency: State

Evaluation date: 01/24/2006
Evaluation: FOLLOW-UP INSPECTION
Area of violation: TSD - Container Use and Management
Date achieved compliance: 03/27/2006
Evaluation lead agency: State

Evaluation date: 01/24/2006
Evaluation: SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported

Map ID
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON PLANT NUMBER 1 (Continued)

1000377893

Evaluation lead agency: State

Evaluation date: 10/05/2005
Evaluation: NOT A SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/28/2005
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Tank System Standards
Date achieved compliance: 10/05/2005
Evaluation lead agency: State

Evaluation date: 06/28/2005
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General Facility Standards
Date achieved compliance: 10/05/2005
Evaluation lead agency: State

Evaluation date: 06/28/2005
Evaluation: SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/28/2005
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Container Use and Management
Date achieved compliance: 06/28/2005
Evaluation lead agency: State

Evaluation date: 02/09/2005
Evaluation: FOLLOW-UP INSPECTION
Area of violation: TSD - General
Date achieved compliance: 02/23/2005
Evaluation lead agency: State

Evaluation date: 02/09/2005
Evaluation: FOLLOW-UP INSPECTION
Area of violation: TSD - Container Use and Management
Date achieved compliance: 02/09/2005
Evaluation lead agency: State

Evaluation date: 02/09/2005
Evaluation: FOLLOW-UP INSPECTION
Area of violation: TSD - General Facility Standards
Date achieved compliance: 02/23/2005
Evaluation lead agency: State

Evaluation date: 11/22/2004
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Container Use and Management
Date achieved compliance: 11/23/2004
Evaluation lead agency: State

Evaluation date: 10/14/2004

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON PLANT NUMBER 1 (Continued)

1000377893

Evaluation:	FINANCIAL RECORD REVIEW
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	08/19/2004
Evaluation:	FOLLOW-UP INSPECTION
Area of violation:	TSD - Container Use and Management
Date achieved compliance:	08/19/2004
Evaluation lead agency:	State
Evaluation date:	04/21/2004
Evaluation:	NON-FINANCIAL RECORD REVIEW
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	EPA
Evaluation date:	11/04/2003
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - Records/Reporting
Date achieved compliance:	12/16/2003
Evaluation lead agency:	State
Evaluation date:	11/04/2003
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	TSD - General
Date achieved compliance:	06/24/2004
Evaluation lead agency:	State
Evaluation date:	11/04/2003
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	TSD - General Facility Standards
Date achieved compliance:	12/16/2003
Evaluation lead agency:	State
Evaluation date:	11/04/2003
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	TSD - Tank System Standards
Date achieved compliance:	06/24/2004
Evaluation lead agency:	State
Evaluation date:	11/04/2003
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	TSD - General
Date achieved compliance:	01/28/2004
Evaluation lead agency:	State
Evaluation date:	11/04/2003
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	TSD - Manifest/Records/Reporting
Date achieved compliance:	06/24/2004
Evaluation lead agency:	State
Evaluation date:	09/11/2003
Evaluation:	FINANCIAL RECORD REVIEW
Area of violation:	Not reported
Date achieved compliance:	Not reported

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON PLANT NUMBER 1 (Continued)

1000377893

Evaluation lead agency: State

Evaluation date: 09/10/2002
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General Facility Standards
Date achieved compliance: 12/10/2002
Evaluation lead agency: State

Evaluation date: 09/10/2002
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 12/10/2002
Evaluation lead agency: State

Evaluation date: 09/04/2002
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 09/02/2003
Evaluation lead agency: State

Evaluation date: 12/14/2001
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 09/02/2003
Evaluation lead agency: State

Evaluation date: 10/31/2001
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Container Use and Management
Date achieved compliance: 10/31/2001
Evaluation lead agency: State

Evaluation date: 10/31/2001
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General Facility Standards
Date achieved compliance: 02/01/2002
Evaluation lead agency: State

Evaluation date: 10/31/2001
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Container Use and Management
Date achieved compliance: 02/01/2002
Evaluation lead agency: State

Evaluation date: 10/03/2000
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 10/03/2000
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/29/1999

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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON PLANT NUMBER 1 (Continued)

1000377893

Evaluation:	FOLLOW-UP INSPECTION
Area of violation:	TSD - Tank System Standards
Date achieved compliance:	10/03/2000
Evaluation lead agency:	State
Evaluation date:	09/29/1999
Evaluation:	FOLLOW-UP INSPECTION
Area of violation:	TSD - Preparedness and Prevention
Date achieved compliance:	11/12/1999
Evaluation lead agency:	State
Evaluation date:	09/29/1999
Evaluation:	FOLLOW-UP INSPECTION
Area of violation:	TSD - Container Use and Management
Date achieved compliance:	11/12/1999
Evaluation lead agency:	State
Evaluation date:	09/29/1999
Evaluation:	FOLLOW-UP INSPECTION
Area of violation:	TSD - General
Date achieved compliance:	10/03/2000
Evaluation lead agency:	State
Evaluation date:	09/29/1999
Evaluation:	FOLLOW-UP INSPECTION
Area of violation:	TSD - General Facility Standards
Date achieved compliance:	11/12/1999
Evaluation lead agency:	State
Evaluation date:	06/21/1999
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	TSD - General Facility Standards
Date achieved compliance:	11/11/1999
Evaluation lead agency:	State
Evaluation date:	06/21/1999
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	TSD - Manifest/Records/Reporting
Date achieved compliance:	11/11/1999
Evaluation lead agency:	State
Evaluation date:	11/12/1998
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	06/16/1998
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	EPA
Evaluation date:	02/26/1998
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	TSD - General
Date achieved compliance:	04/29/1998

Map ID
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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON PLANT NUMBER 1 (Continued)

1000377893

Evaluation lead agency: State

Evaluation date: 10/17/1995
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/26/1995
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 02/18/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 12/21/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 02/18/1993
Evaluation lead agency: State

Evaluation date: 12/21/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Financial Requirements
Date achieved compliance: 07/09/1993
Evaluation lead agency: State

Evaluation date: 12/21/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 02/18/1993
Evaluation lead agency: State

Evaluation date: 09/25/1991
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 02/06/1992
Evaluation lead agency: EPA

Evaluation date: 03/28/1991
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/08/1990
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 11/02/1990
Evaluation lead agency: State

Evaluation date: 04/16/1990

Map ID
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON PLANT NUMBER 1 (Continued)

1000377893

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 10/14/1991
Evaluation lead agency: State

Evaluation date: 10/17/1989
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - General
Date achieved compliance: 10/18/1989
Evaluation lead agency: State

Evaluation date: 10/11/1989
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 12/15/1989
Evaluation lead agency: State

Evaluation date: 07/26/1989
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 06/20/1990
Evaluation lead agency: EPA

Evaluation date: 02/17/1989
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 02/15/1990
Evaluation lead agency: State

Evaluation date: 02/17/1989
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 02/15/1990
Evaluation lead agency: State

Evaluation date: 02/08/1989
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 10/18/1989
Evaluation lead agency: State

Evaluation date: 03/01/1988
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 12/03/1987
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 02/17/1989
Evaluation lead agency: EPA

Evaluation date: 12/03/1987
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 02/17/1989

Map ID
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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON PLANT NUMBER 1 (Continued)

1000377893

Evaluation lead agency: EPA

Evaluation date: 11/24/1987
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 10/18/1989
Evaluation lead agency: State

Evaluation date: 11/12/1987
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 12/15/1989
Evaluation lead agency: State

Evaluation date: 11/12/1987
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 12/15/1989
Evaluation lead agency: State

Evaluation date: 04/30/1985
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

CERC-NFRAP:

Site ID: 0901268
Federal Facility: Not a Federal Facility
NPL Status: Not on the NPL
Non NPL Status: Deferred to RCRA

CERCLIS-NFRAP Site Contact Name(s):

Contact Title: Not reported
Contact Name: Carl Brickner
Contact Tel: (415) 972-3814

Contact Title: Not reported
Contact Name: Brunilda Davila
Contact Tel: (415) 972-3162

Contact Title: Not reported
Contact Name: Jeff Inglis
Contact Tel: (415) 972-3095

Contact Title: Not reported
Contact Name: Karen Jurist
Contact Tel: (415) 972-3219

Contact Title: Not reported
Contact Name: Matt Mitguard
Contact Tel: (415) 972-3096

CERCLIS-NFRAP Site Alias Name(s):

Alias Name: CROSBY & OVERTON PLT #1
Alias Address: Not reported
CA

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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON PLANT NUMBER 1 (Continued)

1000377893

Alias Name: CHEROKEE
Alias Address: 1622 W 16TH ST
LONG BEACH, CA 90813

Program Priority:
Description: RCRA Deferral - Lead Confirmed

CERCLIS-NFRAP Assessment History:

Action: DISCOVERY
Date Started: Not reported
Date Completed: 07/01/1980
Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT
Date Started: 06/01/1984
Date Completed: 12/01/1987
Priority Level: Low priority for further assessment

Action: SITE INSPECTION
Date Started: Not reported
Date Completed: 08/01/1988
Priority Level: Deferred to RCRA (Subtitle C)

Action: 7E
Date Started: Not reported
Date Completed: 08/01/1988
Priority Level: Not reported

Action: RCRA FACILITY ASSESSMENT
Date Started: Not reported
Date Completed: 08/01/1988
Priority Level: Not reported

Action: ARCHIVE SITE
Date Started: Not reported
Date Completed: 01/23/1996
Priority Level: Not reported

CORRACTS:

EPA ID: CAD028409019
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 01/15/1993
Action: CA075LO - CA Prioritization, Facility or area was assigned a low corrective action priority
NAICS Code(s): 562211
Hazardous Waste Treatment and Disposal
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD028409019
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 02/24/1993

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CROSBY & OVERTON PLANT NUMBER 1 (Continued)

1000377893

Action: CA225NR - Stabilization Measures Evaluation, This facility is, not amenable to stabilization activity at the, present time for reasons other than (1) it appears to be technically, infeasible or inappropriate (NF) or (2) there is a lack of technical, information (IN). Reasons for this conclusion may be the status of, closure at the facility, the degree of risk, timing considerations, the status of corrective action work at the facility, or other, administrative considerations

NAICS Code(s): 562211
Hazardous Waste Treatment and Disposal

Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD028409019
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 06/01/1984

Action: CA075LO - CA Prioritization, Facility or area was assigned a low corrective action priority

NAICS Code(s): 562211
Hazardous Waste Treatment and Disposal

Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD028409019
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 07/28/1988

Action: CA050RF - RFA Completed, Assessment was an RFA

NAICS Code(s): 562211
Hazardous Waste Treatment and Disposal

Original schedule date: Not reported
Schedule end date: Not reported

FTTS INSP:

Inspection Number: 19870825CA001 2
Region: 09
Inspection Date: 08/25/87
Inspector: BERMAN
Violation occurred: Yes
Investigation Type: Section 6 PCB State Conducted
Investigation Reason: Neutral Scheme, State
Legislation Code: TSCA
Facility Function: Storer

HIST FTTS INSP:

Inspection Number: 19870825CA001 2
Region: 09
Inspection Date: Not reported
Inspector: BERMAN
Violation occurred: Yes
Investigation Type: Section 6 PCB State Conducted
Investigation Reason: Neutral Scheme, State
Legislation Code: TSCA
Facility Function: Storer

Map ID
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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON PLANT NUMBER 1 (Continued)

1000377893

FINDS:

Registry ID: 110000609422

Environmental Interest/Information System

NCDB (National Compliance Data Base) supports implementation of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and the Toxic Substances Control Act (TSCA). The system tracks inspections in regions and states with cooperative agreements, enforcement actions, and settlements.

The NEI (National Emissions Inventory) database contains information on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

CORTESE:

Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 908130352

LUST:

Region: STATE
Global Id: T0603701949
Latitude: 33.7870887
Longitude: -118.2144618
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 1996-08-29 00:00:00
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Worker: YR
Local Agency: LONG BEACH/SIGNAL HILL, CITIES OF
RB Case Number: 908130352
LOC Case Number: Not reported
File Location: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST REG 4:

Region: 4
Regional Board: 04

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON PLANT NUMBER 1 (Continued)

1000377893

County:	Los Angeles	
facid:	908130352	
Status:	Case Closed	
Substance:	Gasoline	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Groundwater	
Abatement Method Used at the Site:	ETFP	
Global ID:	T0603701949	
W Global ID:	Not reported	
Staff:	UNK	
Local Agency:	19060	
Cross Street:	CANAL AVE	
Enforcement Type:	Not reported	
Date Leak Discovered:	1/1/1986	
Date Leak First Reported:	11/14/1986	
Date Leak Record Entered:	9/8/1987	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:	9/25/1996	
Date the Case was Closed:	8/29/1996	
How Leak Discovered:	Not reported	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	UNK	
Operator:	LARRY BOYLE	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):	15505.953668653684933492847186	
Source of Cleanup Funding:	UNK	
Preliminary Site Assessment Workplan Submitted:	Not reported	
Preliminary Site Assessment Began:	Not reported	
Pollution Characterization Began:	Not reported	
Remediation Plan Submitted:	3/19/1993	
Remedial Action Underway:	Not reported	
Post Remedial Action Monitoring Began:	Not reported	
Enforcement Action Date:	Not reported	
Historical Max MTBE Date:	Not reported	
Hist Max MTBE Conc in Groundwater:	Not reported	
Hist Max MTBE Conc in Soil:	Not reported	
Significant Interim Remedial Action Taken:	Yes	
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	CROSBY AND OVERTON	
RP Address:	1610 17TH ST W LONG BEACH CA 90813	
Program:	LUST	
Lat/Long:	33.7870887 / -1	
Local Agency Staff:	Not reported	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	
Assigned Name:	Not reported	
Summary:	FREE PRODUCT RECOVERY IN PROGRESS. ADDITIONAL SAP REQUIRED.	

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Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON PLANT NUMBER 1 (Continued)

1000377893

CA FID UST:

Facility ID: 19056599
Regulated By: UTNKA
Regulated ID: 00003057
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 2134325445
Mail To: Not reported
Mailing Address: 1610 W 017TH ST
Mailing Address 2: Not reported
Mailing City,St,Zip: LONG BEACH 90813
Contact: Not reported
Contact Phone: Not reported
DUNS Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

HIST UST:

Region: STATE
Facility ID: 00000003057
Facility Type: Other
Other Type: HEAVY DUTY CLEANING
Total Tanks: 0009
Contact Name: Not reported
Telephone: 2134325445
Owner Name: CROSBY & OVERTON, INC.
Owner Address: 1610 WEST 17TH STREET
Owner City,St,Zip: LONG BEACH, CA 90813

Tank Num: 001
Container Num: EQ#00473 1
Year Installed: 1974
Tank Capacity: 00008000
Tank Used for: PRODUCT
Type of Fuel: PREMIUM
Tank Construction: Not reported
Leak Detection: None

Tank Num: 002
Container Num: 2 EQ#00474
Year Installed: 1974
Tank Capacity: 00009000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Tank Construction: Not reported
Leak Detection: None

Tank Num: 003
Container Num: 3
Year Installed: Not reported
Tank Capacity: 00001000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Tank Construction: Not reported

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Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON PLANT NUMBER 1 (Continued)

1000377893

Leak Detection: None

Tank Num: 004
Container Num: 4
Year Installed: Not reported
Tank Capacity: 00001000
Tank Used for: PRODUCT
Type of Fuel: PREMIUM
Tank Construction: Not reported
Leak Detection: Groundwater Monitoring Well, None

Tank Num: 005
Container Num: 5 EQ 00462
Year Installed: 1968
Tank Capacity: 00003000
Tank Used for: PRODUCT
Type of Fuel: PREMIUM
Tank Construction: Not reported
Leak Detection: None

Tank Num: 006
Container Num: 6 EQ 00463
Year Installed: Not reported
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Tank Construction: Not reported
Leak Detection: None

Tank Num: 007
Container Num: 7WASHDOWN
Year Installed: Not reported
Tank Capacity: 00003000
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Tank Construction: 6 inches
Leak Detection: None

Tank Num: 008
Container Num: 8 PLANT 1
Year Installed: 1974
Tank Capacity: 00004500
Tank Used for: WASTE
Type of Fuel: 06
Tank Construction: 6 inches
Leak Detection: None

Tank Num: 009
Container Num: 9
Year Installed: 1983
Tank Capacity: 00000550
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Tank Construction: 10 gauge
Leak Detection: None

Map ID
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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON PLANT NUMBER 1 (Continued)

1000377893

NY MANIFEST:

EPA ID: CAD028409019
Country: USA
Mailing Name: CROSBY AND OVERTON
Mailing Contact: CROSBY AND OVERTON
Mailing Address: 1620 W. 16TH STREET
Mailing Address 2: Not reported
Mailing City: LONG BEACH
Mailing State: CA
Mailing Zip: 90813
Mailing Zip4: Not reported
Mailing Country: USA
Mailing Phone: 213-432-5445

Document ID: NYA5462199
Manifest Status: Completed copy
Trans1 State ID: NY-X17593
Trans2 State ID: Not reported
Generator Ship Date: 870723
Trans1 Recv Date: 870723
Trans2 Recv Date: Not reported
TSD Site Recv Date: 870803
Part A Recv Date: 870727
Part B Recv Date: 870807
Generator EPA ID: CAD028409019
Trans1 EPA ID: NYD980769947
Trans2 EPA ID: Not reported
TSD ID: NYD000632372
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00017
Units: P - Pounds
Number of Containers: 002
Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 100
Waste Code: Not reported
Quantity: 00017
Units: P - Pounds
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Waste Code: Not reported
Quantity: 00009
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 003
Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 100
Year: 87
Manifest Tracking Num: Not reported
Import Ind: Not reported
Export Ind: Not reported
Discr Quantity Ind: Not reported
Discr Type Ind: Not reported
Discr Residue Ind: Not reported

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EDR ID Number
EPA ID Number

CROSBY & OVERTON PLANT NUMBER 1 (Continued)

1000377893

Discr Partial Reject Ind: Not reported
Discr Full Reject Ind: Not reported
Manifest Ref Num: Not reported
Alt Fac RCRA Id: Not reported
Alt Fac Sign Date: Not reported
Mgmt Method Type Code: Not reported

Document ID: NYA8072892
Manifest Status: Completed copy
Trans1 State ID: 000000000
Trans2 State ID: 000000000
Generator Ship Date: 890414
Trans1 Recv Date: 890414
Trans2 Recv Date: Not reported
TSD Site Recv Date: 890420
Part A Recv Date: 890425
Part B Recv Date: 890427
Generator EPA ID: CAD028409019
Trans1 EPA ID: NYD980769947
Trans2 EPA ID: Not reported
TSDF ID: NYD000632372
Waste Code: D003 - NON-LISTED REACTIVE WASTES
Quantity: 00009
Units: P - Pounds
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 100
Year: 89
Manifest Tracking Num: Not reported
Import Ind: Not reported
Export Ind: Not reported
Discr Quantity Ind: Not reported
Discr Type Ind: Not reported
Discr Residue Ind: Not reported
Discr Partial Reject Ind: Not reported
Discr Full Reject Ind: Not reported
Manifest Ref Num: Not reported
Alt Fac RCRA Id: Not reported
Alt Fac Sign Date: Not reported
Mgmt Method Type Code: Not reported

Document ID: NYA7920747
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID: 11284PNY
Trans2 State ID: Not reported
Generator Ship Date: 920605
Trans1 Recv Date: 920605
Trans2 Recv Date: Not reported
TSD Site Recv Date: 920622
Part A Recv Date: Not reported
Part B Recv Date: 920701
Generator EPA ID: CAD028409019
Trans1 EPA ID: NYD980769947
Trans2 EPA ID: Not reported

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Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON PLANT NUMBER 1 (Continued)

1000377893

TSD ID: NYD000632372
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00075
Units: P - Pounds
Number of Containers: 001
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 100
Waste Code: Not reported
Quantity: 00033
Units: P - Pounds
Number of Containers: 001
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 100
Year: 92
Manifest Tracking Num: Not reported
Import Ind: Not reported
Export Ind: Not reported
Discr Quantity Ind: Not reported
Discr Type Ind: Not reported
Discr Residue Ind: Not reported
Discr Partial Reject Ind: Not reported
Discr Full Reject Ind: Not reported
Manifest Ref Num: Not reported
Alt Fac RCRA Id: Not reported
Alt Fac Sign Date: Not reported
Mgmt Method Type Code: Not reported

Document ID: NYA7920738
Manifest Status: Completed copy
Trans1 State ID: 10208P-NY
Trans2 State ID: Not reported
Generator Ship Date: 890918
Trans1 Recv Date: 890918
Trans2 Recv Date: Not reported
TSD Site Recv Date: 891002
Part A Recv Date: 890925
Part B Recv Date: 891010
Generator EPA ID: CAD028409019
Trans1 EPA ID: NYD980769947
Trans2 EPA ID: Not reported
TSD ID: NYD000632372
Waste Code: D002 - NON-LISTED CORROSIVE WASTES
Quantity: 00001
Units: P - Pounds
Number of Containers: 001
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 100
Year: 89
Manifest Tracking Num: Not reported
Import Ind: Not reported
Export Ind: Not reported
Discr Quantity Ind: Not reported
Discr Type Ind: Not reported

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Database(s)

EDR ID Number
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CROSBY & OVERTON PLANT NUMBER 1 (Continued)

1000377893

Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
Document ID:	NYA3199408
Manifest Status:	Completed copy
Trans1 State ID:	X17593
Trans2 State ID:	Not reported
Generator Ship Date:	870119
Trans1 Recv Date:	870119
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	870128
Part A Recv Date:	870130
Part B Recv Date:	870204
Generator EPA ID:	CAD028409019
Trans1 EPA ID:	NYD980769947
Trans2 EPA ID:	Not reported
TSD ID:	NYD000632372
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Quantity:	00200
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00080
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00080
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00020
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	87
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported

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CROSBY & OVERTON PLANT NUMBER 1 (Continued)

1000377893

Discr Residue Ind: Not reported
Discr Partial Reject Ind: Not reported
Discr Full Reject Ind: Not reported
Manifest Ref Num: Not reported
Alt Fac RCRA Id: Not reported
Alt Fac Sign Date: Not reported
Mgmt Method Type Code: Not reported

Document ID: NYA4163253
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID: X17593NY
Trans2 State ID: Not reported
Generator Ship Date: 860918
Trans1 Recv Date: 860918
Trans2 Recv Date: Not reported
TSD Site Recv Date: 860926
Part A Recv Date: 861107
Part B Recv Date: 861002
Generator EPA ID: CAD028409019
Trans1 EPA ID: NYD980769947
Trans2 EPA ID: Not reported
TSDF ID: NYD000632372
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00001
Units: Y - Cubic yards* (.85 tons)
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 100
Year: 86
Manifest Tracking Num: Not reported
Import Ind: Not reported
Export Ind: Not reported
Discr Quantity Ind: Not reported
Discr Type Ind: Not reported
Discr Residue Ind: Not reported
Discr Partial Reject Ind: Not reported
Discr Full Reject Ind: Not reported
Manifest Ref Num: Not reported
Alt Fac RCRA Id: Not reported
Alt Fac Sign Date: Not reported
Mgmt Method Type Code: Not reported

Document ID: NYA8072883
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID: 000000000
Trans2 State ID: 000000000
Generator Ship Date: 881205
Trans1 Recv Date: 881205
Trans2 Recv Date: Not reported
TSD Site Recv Date: 881216
Part A Recv Date: 890118
Part B Recv Date: 881222
Generator EPA ID: CAD028409019
Trans1 EPA ID: NYD980769947

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Database(s)

EDR ID Number
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CROSBY & OVERTON PLANT NUMBER 1 (Continued)

1000377893

Trans2 EPA ID: Not reported
TSDF ID: NYD000632372
Waste Code: D002 - NON-LISTED CORROSIVE WASTES
Quantity: 00002
Units: L
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 100
Year: 88
Manifest Tracking Num: Not reported
Import Ind: Not reported
Export Ind: Not reported
Discr Quantity Ind: Not reported
Discr Type Ind: Not reported
Discr Residue Ind: Not reported
Discr Partial Reject Ind: Not reported
Discr Full Reject Ind: Not reported
Manifest Ref Num: Not reported
Alt Fac RCRA Id: Not reported
Alt Fac Sign Date: Not reported
Mgmt Method Type Code: Not reported

Document ID: NYA8072874
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID: 000000000
Trans2 State ID: 000000000
Generator Ship Date: 881205
Trans1 Recv Date: 881205
Trans2 Recv Date: Not reported
TSD Site Recv Date: 881216
Part A Recv Date: 890118
Part B Recv Date: 881222
Generator EPA ID: CAD028409019
Trans1 EPA ID: NYD980769947
Trans2 EPA ID: Not reported
TSDF ID: NYD000632372
Waste Code: D003 - NON-LISTED REACTIVE WASTES
Quantity: 00001
Units: P - Pounds
Number of Containers: 003
Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 100
Waste Code: Not reported
Quantity: 00004
Units: P - Pounds
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Waste Code: Not reported
Quantity: 00003
Units: K - Kilograms (2.2 pounds)
Number of Containers: 001
Container Type: DM - Metal drums, barrels

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON PLANT NUMBER 1 (Continued)

1000377893

Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 100
Year: 88
Manifest Tracking Num: Not reported
Import Ind: Not reported
Export Ind: Not reported
Discr Quantity Ind: Not reported
Discr Type Ind: Not reported
Discr Residue Ind: Not reported
Discr Partial Reject Ind: Not reported
Discr Full Reject Ind: Not reported
Manifest Ref Num: Not reported
Alt Fac RCRA Id: Not reported
Alt Fac Sign Date: Not reported
Mgmt Method Type Code: Not reported

Document ID: NYA8054073
Manifest Status: Completed copy
Trans1 State ID: 000000000
Trans2 State ID: 000000000
Generator Ship Date: 890414
Trans1 Recv Date: 890414
Trans2 Recv Date: Not reported
TSD Site Recv Date: 890420
Part A Recv Date: 890425
Part B Recv Date: 890427
Generator EPA ID: CAD028409019
Trans1 EPA ID: NYD980769947
Trans2 EPA ID: Not reported
TSD ID: NYD000632372
Waste Code: D003 - NON-LISTED REACTIVE WASTES
Quantity: 00027
Units: P - Pounds
Number of Containers: 002
Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 100
Waste Code: Not reported
Quantity: 00002
Units: L
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 100
Year: 89
Manifest Tracking Num: Not reported
Import Ind: Not reported
Export Ind: Not reported
Discr Quantity Ind: Not reported
Discr Type Ind: Not reported
Discr Residue Ind: Not reported
Discr Partial Reject Ind: Not reported
Discr Full Reject Ind: Not reported
Manifest Ref Num: Not reported
Alt Fac RCRA Id: Not reported
Alt Fac Sign Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON PLANT NUMBER 1 (Continued)

1000377893

Mgmt Method Type Code: Not reported

Document ID: NYB1508193
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID: CALL01260
Trans2 State ID: Not reported
Generator Ship Date: 900612
Trans1 Recv Date: 900612
Trans2 Recv Date: Not reported
TSD Site Recv Date: 900628
Part A Recv Date: 900828
Part B Recv Date: 900806
Generator EPA ID: CAD028409019
Trans1 EPA ID: NYD980769947
Trans2 EPA ID: Not reported
TSDF ID: NYD000632372
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00003
Units: P - Pounds
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 100
Year: 90
Manifest Tracking Num: Not reported
Import Ind: Not reported
Export Ind: Not reported
Discr Quantity Ind: Not reported
Discr Type Ind: Not reported
Discr Residue Ind: Not reported
Discr Partial Reject Ind: Not reported
Discr Full Reject Ind: Not reported
Manifest Ref Num: Not reported
Alt Fac RCRA Id: Not reported
Alt Fac Sign Date: Not reported
Mgmt Method Type Code: Not reported

WI MANIFEST:

Year: 05
EPA ID: CAD028409019
FID: 0
ACT Code: 201
ACT Status: A
ACT Code 1: 201
ACT Name: HW Generator - Large
Contact First Name: Not reported
Contact Last Name: Not reported
Contact Title: Not reported
Contact Address: Not reported
Contact State: Not reported
Contact City: Not reported
Contact Zip: 0
Contact Telephone: 0
Contact Extention: Not reported
Contact Email Address: Not reported
WI MANIFEST SHIP: -

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON PLANT NUMBER 1 (Continued)

1000377893

Manifest DOC ID: 000134655WAS
Copy Type: TSDCOPY
Gen EPA ID: CAD028409019
Gen Date: 01/05/2009
TSD Date: 02/02/2009
TSD EPA ID: WID988566543
GEN Copy Revd Date: Not reported
TSG Copy Revd Date: 04/01/2009
Manifest DOC ID: 000134655WAS
Waste Page No: 1
Waste Line No: 1
Waste Code: D002
Waste Amount: 55
Unit of Measure: G
Waste LBS: 458.7
Manifest DOC ID: 000134655WAS
Waste Page No: 1
Waste Line No: 2
Waste Code: D008
Waste Amount: 704
Unit of Measure: P
Waste LBS: 704
Manifest DOC ID: 000134655WAS
Waste Page No: 1
Waste Line No: 3
Waste Code: D009
Waste Amount: 188
Unit of Measure: P
Waste LBS: 188
Manifest DOC ID: 000134655WAS
Waste Page No: 1
Waste Line No: 4
Waste Code: D008
Waste Amount: 248
Unit of Measure: P
Waste LBS: 248
Manifest DOC ID: 000134655WAS
Waste Page No: 2
Waste Line No: 1
Waste Code: D009
Waste Amount: 165
Unit of Measure: G
Waste LBS: 1376.1
Manifest DOC ID: 000134655WAS
Waste Page No: 2
Waste Line No: 2
Waste Code: D008
Waste Amount: 804
Unit of Measure: P
Waste LBS: 804
Manifest DOC ID: 000134655WAS
Waste Page No: 2
Waste Line No: 3
Waste Code: D009
Waste Amount: 313
Unit of Measure: P
Waste LBS: 313

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON PLANT NUMBER 1 (Continued)

1000377893

Manifest DOC ID: 000134655WAS
Waste Page No: 2
Waste Line No: 4
Waste Code: D009
Waste Amount: 60
Unit of Measure: P
Waste LBS: 60

Manifest DOC ID: 000134760WAS
Copy Type: TSDCOPY
Gen EPA ID: CAD028409019
Gen Date: 06/11/2009
TSD Date: 06/24/2009
TSD EPA ID: WID988566543
GEN Copy Revd Date: Not reported
TSG Copy Revd Date: 08/26/2009

Manifest DOC ID: 000134760WAS
Waste Page No: 1
Waste Line No: 1
Waste Code: D002
Waste Amount: 110
Unit of Measure: G
Waste LBS: 917.4

Manifest DOC ID: 000134760WAS
Waste Page No: 1
Waste Line No: 2
Waste Code: D008
Waste Amount: 437
Unit of Measure: P
Waste LBS: 437

Manifest DOC ID: 000134760WAS
Waste Page No: 1
Waste Line No: 3
Waste Code: D009
Waste Amount: 380
Unit of Measure: P
Waste LBS: 380

Manifest DOC ID: 000134760WAS
Waste Page No: 1
Waste Line No: 4
Waste Code: D008
Waste Amount: 405
Unit of Measure: P
Waste LBS: 405

Manifest DOC ID: 000134760WAS
Waste Page No: 2
Waste Line No: 1
Waste Code: D009
Waste Amount: 55
Unit of Measure: G
Waste LBS: 458.7

Manifest DOC ID: 000134760WAS
Waste Page No: 2
Waste Line No: 2
Waste Code: D009
Waste Amount: 282
Unit of Measure: P

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON PLANT NUMBER 1 (Continued)

1000377893

Waste LBS: 282

WI MANIFEST TRANS: -

Mifest DOC ID: Not reported

TRAN EPA ID: Not reported

TRAN ORDER NO: Not reported

TRAN Date: Not reported

Manifest DOC ID: Not reported

Waste Page No: Not reported

Waste Line No: Not reported

Waste Code: Not reported

Waste Amount: Not reported

Unit of Measure: Not reported

Waste LBS: Not reported

Year: 06

EPA ID: CAD028409019

FID: 0

ACT Code: 201

ACT Status: A

ACT Code 1: 201

ACT Name: HW Generator - Large

Contact First Name: Not reported

Contact Last Name: Not reported

Contact Title: Not reported

Contact Address: Not reported

Contact State: Not reported

Contact City: Not reported

Contact Zip: Not reported

Contact Telephone: Not reported

Contact Extention: Not reported

Contact Email Address: Not reported

WI MANIFEST SHIP: -

Manifest DOC ID: 000134655WAS

Copy Type: TSDCOPY

Gen EPA ID: CAD028409019

Gen Date: 01/05/2009

TSD Date: 02/02/2009

TSD EPA ID: WID988566543

GEN Copy Revd Date: Not reported

TSG Copy Revd Date: 04/01/2009

Manifest DOC ID: 000134655WAS

Waste Page No: 1

Waste Line No: 1

Waste Code: D002

Waste Amount: 55

Unit of Measure: G

Waste LBS: 458.7

Manifest DOC ID: 000134655WAS

Waste Page No: 1

Waste Line No: 2

Waste Code: D008

Waste Amount: 704

Unit of Measure: P

Waste LBS: 704

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON PLANT NUMBER 1 (Continued)

1000377893

Manifest DOC ID: 000134655WAS
Waste Page No: 1
Waste Line No: 3
Waste Code: D009
Waste Amount: 188
Unit of Measure: P
Waste LBS: 188
Manifest DOC ID: 000134655WAS
Waste Page No: 1
Waste Line No: 4
Waste Code: D008
Waste Amount: 248
Unit of Measure: P
Waste LBS: 248
Manifest DOC ID: 000134655WAS
Waste Page No: 2
Waste Line No: 1
Waste Code: D009
Waste Amount: 165
Unit of Measure: G
Waste LBS: 1376.1
Manifest DOC ID: 000134655WAS
Waste Page No: 2
Waste Line No: 2
Waste Code: D008
Waste Amount: 804
Unit of Measure: P
Waste LBS: 804
Manifest DOC ID: 000134655WAS
Waste Page No: 2
Waste Line No: 3
Waste Code: D009
Waste Amount: 313
Unit of Measure: P
Waste LBS: 313
Manifest DOC ID: 000134655WAS
Waste Page No: 2
Waste Line No: 4
Waste Code: D009
Waste Amount: 60
Unit of Measure: P
Waste LBS: 60

Manifest DOC ID: 000134760WAS
Copy Type: TSDCOPY
Gen EPA ID: CAD028409019
Gen Date: 06/11/2009
TSD Date: 06/24/2009
TSD EPA ID: WID988566543
GEN Copy Revd Date: Not reported
TSG Copy Revd Date: 08/26/2009
Manifest DOC ID: 000134760WAS
Waste Page No: 1
Waste Line No: 1
Waste Code: D002
Waste Amount: 110
Unit of Measure: G

Map ID
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Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON PLANT NUMBER 1 (Continued)

1000377893

Waste LBS: 917.4
Manifest DOC ID: 000134760WAS
Waste Page No: 1
Waste Line No: 2
Waste Code: D008
Waste Amount: 437
Unit of Measure: P
Waste LBS: 437
Manifest DOC ID: 000134760WAS
Waste Page No: 1
Waste Line No: 3
Waste Code: D009
Waste Amount: 380
Unit of Measure: P
Waste LBS: 380
Manifest DOC ID: 000134760WAS
Waste Page No: 1
Waste Line No: 4
Waste Code: D008
Waste Amount: 405
Unit of Measure: P
Waste LBS: 405
Manifest DOC ID: 000134760WAS
Waste Page No: 2
Waste Line No: 1
Waste Code: D009
Waste Amount: 55
Unit of Measure: G
Waste LBS: 458.7
Manifest DOC ID: 000134760WAS
Waste Page No: 2
Waste Line No: 2
Waste Code: D009
Waste Amount: 282
Unit of Measure: P
Waste LBS: 282

WI MANIFEST TRANS: -

Manifest DOC ID: Not reported
TRAN EPA ID: Not reported
TRAN ORDER NO: Not reported
TRAN Date: Not reported

Manifest DOC ID: Not reported
Waste Page No: Not reported
Waste Line No: Not reported
Waste Code: Not reported
Waste Amount: Not reported
Unit of Measure: Not reported
Waste LBS: Not reported

Year: 07
EPA ID: CAD028409019
FID: 0
ACT Code: 201
ACT Status: A

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON PLANT NUMBER 1 (Continued)

1000377893

ACT Code 1: 201
ACT Name: HW Generator - Large
Contact First Name: Not reported
Contact Last Name: Not reported
Contact Title: Not reported
Contact Address: Not reported
Contact State: Not reported
Contact City: Not reported
Contact Zip: 0
Contact Telephone: 0
Contact Extention: Not reported
Contact Email Address: Not reported
WI MANIFEST SHIP: -
Manifest DOC ID: 000134655WAS
Copy Type: TSDCOPY
Gen EPA ID: CAD028409019
Gen Date: 01/05/2009
TSD Date: 02/02/2009
TSD EPA ID: WID988566543
GEN Copy Revd Date: Not reported
TSG Copy Revd Date: 04/01/2009
Manifest DOC ID: 000134655WAS
Waste Page No: 1
Waste Line No: 1
Waste Code: D002
Waste Amount: 55
Unit of Measure: G
Waste LBS: 458.7
Manifest DOC ID: 000134655WAS
Waste Page No: 1
Waste Line No: 2
Waste Code: D008
Waste Amount: 704
Unit of Measure: P
Waste LBS: 704
Manifest DOC ID: 000134655WAS
Waste Page No: 1
Waste Line No: 3
Waste Code: D009
Waste Amount: 188
Unit of Measure: P
Waste LBS: 188
Manifest DOC ID: 000134655WAS
Waste Page No: 1
Waste Line No: 4
Waste Code: D008
Waste Amount: 248
Unit of Measure: P
Waste LBS: 248
Manifest DOC ID: 000134655WAS
Waste Page No: 2
Waste Line No: 1
Waste Code: D009
Waste Amount: 165
Unit of Measure: G
Waste LBS: 1376.1
Manifest DOC ID: 000134655WAS

Map ID
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON PLANT NUMBER 1 (Continued)

1000377893

Waste Page No: 2
Waste Line No: 2
Waste Code: D008
Waste Amount: 804
Unit of Measure: P
Waste LBS: 804
Manifest DOC ID: 000134655WAS
Waste Page No: 2
Waste Line No: 3
Waste Code: D009
Waste Amount: 313
Unit of Measure: P
Waste LBS: 313
Manifest DOC ID: 000134655WAS
Waste Page No: 2
Waste Line No: 4
Waste Code: D009
Waste Amount: 60
Unit of Measure: P
Waste LBS: 60

Manifest DOC ID: 000134760WAS
Copy Type: TSDCOPY
Gen EPA ID: CAD028409019
Gen Date: 06/11/2009
TSD Date: 06/24/2009
TSD EPA ID: WID988566543
GEN Copy Revd Date: Not reported
TSG Copy Revd Date: 08/26/2009
Manifest DOC ID: 000134760WAS
Waste Page No: 1
Waste Line No: 1
Waste Code: D002
Waste Amount: 110
Unit of Measure: G
Waste LBS: 917.4
Manifest DOC ID: 000134760WAS
Waste Page No: 1
Waste Line No: 2
Waste Code: D008
Waste Amount: 437
Unit of Measure: P
Waste LBS: 437
Manifest DOC ID: 000134760WAS
Waste Page No: 1
Waste Line No: 3
Waste Code: D009
Waste Amount: 380
Unit of Measure: P
Waste LBS: 380
Manifest DOC ID: 000134760WAS
Waste Page No: 1
Waste Line No: 4
Waste Code: D008
Waste Amount: 405
Unit of Measure: P
Waste LBS: 405

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON PLANT NUMBER 1 (Continued)

1000377893

Manifest DOC ID: 000134760WAS
Waste Page No: 2
Waste Line No: 1
Waste Code: D009
Waste Amount: 55
Unit of Measure: G
Waste LBS: 458.7
Manifest DOC ID: 000134760WAS
Waste Page No: 2
Waste Line No: 2
Waste Code: D009
Waste Amount: 282
Unit of Measure: P
Waste LBS: 282

WI MANIFEST TRANS: -

Mifest DOC ID: Not reported
TRAN EPA ID: Not reported
TRAN ORDER NO: Not reported
TRAN Date: Not reported

Manifest DOC ID: Not reported
Waste Page No: Not reported
Waste Line No: Not reported
Waste Code: Not reported
Waste Amount: Not reported
Unit of Measure: Not reported
Waste LBS: Not reported

Year: 08
EPA ID: CAD028409019
FID: Not reported
ACT Code: 201
ACT Status: A
ACT Code 1: 201
ACT Name: HW Generator - Large
Contact First Name: Not reported
Contact Last Name: Not reported
Contact Title: Not reported
Contact Address: Not reported
Contact State: Not reported
Contact City: Not reported
Contact Zip: Not reported
Contact Telephone: Not reported
Contact Extention: Not reported
Contact Email Address: Not reported
WI MANIFEST SHIP: -
Manifest DOC ID: 000134655WAS
Copy Type: TSDCOPY
Gen EPA ID: CAD028409019
Gen Date: 01/05/2009
TSD Date: 02/02/2009
TSD EPA ID: WID988566543
GEN Copy Revd Date: Not reported
TSG Copy Revd Date: 04/01/2009
Manifest DOC ID: 000134655WAS

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON PLANT NUMBER 1 (Continued)

1000377893

Waste Page No: 1
Waste Line No: 1
Waste Code: D002
Waste Amount: 55
Unit of Measure: G
Waste LBS: 458.7
Manifest DOC ID: 000134655WAS
Waste Page No: 1
Waste Line No: 2
Waste Code: D008
Waste Amount: 704
Unit of Measure: P
Waste LBS: 704
Manifest DOC ID: 000134655WAS
Waste Page No: 1
Waste Line No: 3
Waste Code: D009
Waste Amount: 188
Unit of Measure: P
Waste LBS: 188
Manifest DOC ID: 000134655WAS
Waste Page No: 1
Waste Line No: 4
Waste Code: D008
Waste Amount: 248
Unit of Measure: P
Waste LBS: 248
Manifest DOC ID: 000134655WAS
Waste Page No: 2
Waste Line No: 1
Waste Code: D009
Waste Amount: 165
Unit of Measure: G
Waste LBS: 1376.1
Manifest DOC ID: 000134655WAS
Waste Page No: 2
Waste Line No: 2
Waste Code: D008
Waste Amount: 804
Unit of Measure: P
Waste LBS: 804
Manifest DOC ID: 000134655WAS
Waste Page No: 2
Waste Line No: 3
Waste Code: D009
Waste Amount: 313
Unit of Measure: P
Waste LBS: 313
Manifest DOC ID: 000134655WAS
Waste Page No: 2
Waste Line No: 4
Waste Code: D009
Waste Amount: 60
Unit of Measure: P
Waste LBS: 60

Manifest DOC ID: 000134760WAS

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON PLANT NUMBER 1 (Continued)

1000377893

Copy Type: TSDCOPY
Gen EPA ID: CAD028409019
Gen Date: 06/11/2009
TSD Date: 06/24/2009
TSD EPA ID: WID988566543
GEN Copy Revd Date: Not reported
TSG Copy Revd Date: 08/26/2009
Manifest DOC ID: 000134760WAS
Waste Page No: 1
Waste Line No: 1
Waste Code: D002
Waste Amount: 110
Unit of Measure: G
Waste LBS: 917.4
Manifest DOC ID: 000134760WAS
Waste Page No: 1
Waste Line No: 2
Waste Code: D008
Waste Amount: 437
Unit of Measure: P
Waste LBS: 437
Manifest DOC ID: 000134760WAS
Waste Page No: 1
Waste Line No: 3
Waste Code: D009
Waste Amount: 380
Unit of Measure: P
Waste LBS: 380
Manifest DOC ID: 000134760WAS
Waste Page No: 1
Waste Line No: 4
Waste Code: D008
Waste Amount: 405
Unit of Measure: P
Waste LBS: 405
Manifest DOC ID: 000134760WAS
Waste Page No: 2
Waste Line No: 1
Waste Code: D009
Waste Amount: 55
Unit of Measure: G
Waste LBS: 458.7
Manifest DOC ID: 000134760WAS
Waste Page No: 2
Waste Line No: 2
Waste Code: D009
Waste Amount: 282
Unit of Measure: P
Waste LBS: 282

WI MANIFEST TRANS: -

Mifest DOC ID: Not reported
TRAN EPA ID: Not reported
TRAN ORDER NO: Not reported
TRAN Date: Not reported

Manifest DOC ID: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON PLANT NUMBER 1 (Continued)

1000377893

Waste Page No: Not reported
Waste Line No: Not reported
Waste Code: Not reported
Waste Amount: Not reported
Unit of Measure: Not reported
Waste LBS: Not reported

Year: 09
EPA ID: CAD028409019
FID: Not reported
ACT Code: 201
ACT Status: A
ACT Code 1: 201
ACT Name: HW Generator - Large
Contact First Name: Not reported
Contact Last Name: Not reported
Contact Title: Not reported
Contact Address: Not reported
Contact State: Not reported
Contact City: Not reported
Contact Zip: Not reported
Contact Telephone: Not reported
Contact Extention: Not reported
Contact Email Address: Not reported
WI MANIFEST SHIP: -
Manifest DOC ID: 000134655WAS
Copy Type: TSDCOPY
Gen EPA ID: CAD028409019
Gen Date: 01/05/2009
TSD Date: 02/02/2009
TSD EPA ID: WID988566543
GEN Copy Revd Date: Not reported
TSG Copy Revd Date: 04/01/2009
Manifest DOC ID: 000134655WAS
Waste Page No: 1
Waste Line No: 1
Waste Code: D002
Waste Amount: 55
Unit of Measure: G
Waste LBS: 458.7
Manifest DOC ID: 000134655WAS
Waste Page No: 1
Waste Line No: 2
Waste Code: D008
Waste Amount: 704
Unit of Measure: P
Waste LBS: 704
Manifest DOC ID: 000134655WAS
Waste Page No: 1
Waste Line No: 3
Waste Code: D009
Waste Amount: 188
Unit of Measure: P
Waste LBS: 188
Manifest DOC ID: 000134655WAS
Waste Page No: 1

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON PLANT NUMBER 1 (Continued)

1000377893

Waste Line No: 4
Waste Code: D008
Waste Amount: 248
Unit of Measure: P
Waste LBS: 248
Manifest DOC ID: 000134655WAS
Waste Page No: 2
Waste Line No: 1
Waste Code: D009
Waste Amount: 165
Unit of Measure: G
Waste LBS: 1376.1
Manifest DOC ID: 000134655WAS
Waste Page No: 2
Waste Line No: 2
Waste Code: D008
Waste Amount: 804
Unit of Measure: P
Waste LBS: 804
Manifest DOC ID: 000134655WAS
Waste Page No: 2
Waste Line No: 3
Waste Code: D009
Waste Amount: 313
Unit of Measure: P
Waste LBS: 313
Manifest DOC ID: 000134655WAS
Waste Page No: 2
Waste Line No: 4
Waste Code: D009
Waste Amount: 60
Unit of Measure: P
Waste LBS: 60

Manifest DOC ID: 000134760WAS
Copy Type: TSDCOPY
Gen EPA ID: CAD028409019
Gen Date: 06/11/2009
TSD Date: 06/24/2009
TSD EPA ID: WID988566543
GEN Copy Revd Date: Not reported
TSG Copy Revd Date: 08/26/2009
Manifest DOC ID: 000134760WAS
Waste Page No: 1
Waste Line No: 1
Waste Code: D002
Waste Amount: 110
Unit of Measure: G
Waste LBS: 917.4
Manifest DOC ID: 000134760WAS
Waste Page No: 1
Waste Line No: 2
Waste Code: D008
Waste Amount: 437
Unit of Measure: P
Waste LBS: 437
Manifest DOC ID: 000134760WAS

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON PLANT NUMBER 1 (Continued)

1000377893

Waste Page No: 1
Waste Line No: 3
Waste Code: D009
Waste Amount: 380
Unit of Measure: P
Waste LBS: 380
Manifest DOC ID: 000134760WAS
Waste Page No: 1
Waste Line No: 4
Waste Code: D008
Waste Amount: 405
Unit of Measure: P
Waste LBS: 405
Manifest DOC ID: 000134760WAS
Waste Page No: 2
Waste Line No: 1
Waste Code: D009
Waste Amount: 55
Unit of Measure: G
Waste LBS: 458.7
Manifest DOC ID: 000134760WAS
Waste Page No: 2
Waste Line No: 2
Waste Code: D009
Waste Amount: 282
Unit of Measure: P
Waste LBS: 282

WI MANIFEST TRANS: -

Mifest DOC ID: Not reported
TRAN EPA ID: Not reported
TRAN ORDER NO: Not reported
TRAN Date: Not reported

Manifest DOC ID: Not reported
Waste Page No: Not reported
Waste Line No: Not reported
Waste Code: Not reported
Waste Amount: Not reported
Unit of Measure: Not reported
Waste LBS: Not reported

SWEEPS UST:

Status: A
Comp Number: 3057
Number: 9
Board Of Equalization: 44-013281
Ref Date: 07-01-85
Act Date: Not reported
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: EQ#00473 1
Swrcb Tank Id: 19-060-003057-000001
Actv Date: 07-01-85
Capacity: 8000
Tank Use: M.V. FUEL

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON PLANT NUMBER 1 (Continued)

1000377893

Stg: P
Content: REG UNLEADED
Number Of Tanks: 8

Status: A
Comp Number: 3057
Number: 9
Board Of Equalization: 44-013281
Ref Date: 07-01-85
Act Date: Not reported
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: 2 EQ#00474
Swrcb Tank Id: 19-060-003057-000002
Actv Date: 07-01-85
Capacity: 9000
Tank Use: M.V. FUEL
Stg: P
Content: DIESEL
Number Of Tanks: Not reported

Status: A
Comp Number: 3057
Number: 9
Board Of Equalization: 44-013281
Ref Date: 07-01-85
Act Date: Not reported
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: 3
Swrcb Tank Id: 19-060-003057-000003
Actv Date: 07-01-85
Capacity: 1000
Tank Use: M.V. FUEL
Stg: P
Content: DIESEL
Number Of Tanks: Not reported

Status: A
Comp Number: 3057
Number: 9
Board Of Equalization: 44-013281
Ref Date: 07-01-85
Act Date: Not reported
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: 4
Swrcb Tank Id: 19-060-003057-000004
Actv Date: 07-01-85
Capacity: 1000
Tank Use: M.V. FUEL
Stg: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: A
Comp Number: 3057

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON PLANT NUMBER 1 (Continued)

1000377893

Number: 9
Board Of Equalization: 44-013281
Ref Date: 07-01-85
Act Date: Not reported
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: 5 EQ 00462
Swrcb Tank Id: 19-060-003057-000005
Actv Date: 07-01-85
Capacity: 3000
Tank Use: M.V. FUEL
Stg: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: A
Comp Number: 3057
Number: 9
Board Of Equalization: 44-013281
Ref Date: 07-01-85
Act Date: Not reported
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: 6 EQ 00463
Swrcb Tank Id: 19-060-003057-000006
Actv Date: 07-01-85
Capacity: 10000
Tank Use: M.V. FUEL
Stg: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: A
Comp Number: 3057
Number: 9
Board Of Equalization: 44-013281
Ref Date: 07-01-85
Act Date: Not reported
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: 7WASHDOWN
Swrcb Tank Id: 19-060-003057-000007
Actv Date: 07-01-85
Capacity: 3000
Tank Use: OIL
Stg: W
Content: WASTE OIL
Number Of Tanks: Not reported

Status: A
Comp Number: 3057
Number: 9
Board Of Equalization: 44-013281
Ref Date: 07-01-85
Act Date: Not reported
Created Date: 02-29-88
Tank Status: A

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON PLANT NUMBER 1 (Continued)

1000377893

Owner Tank Id: 9
Swrcb Tank Id: 19-060-003057-000008
Actv Date: 07-01-85
Capacity: 550
Tank Use: OIL
Stg: W
Content: WASTE OIL
Number Of Tanks: Not reported

FINANCIAL ASSURANCE:

EPA ID Number: CAD028409019
Closure Mechanism: Trust
Closure Amount: 832,721
Post Clousure Mechanism: Not reported
Post Clousure Amount: Not reported
Corrective Action Mechanism: Not reported
Corrective Action Amount: Not reported
Sudden Mecahanism Type: Ins
Sudden Mecahanism Amount: 8,000,000
Non Sudden Mecahanism Type: Not reported
Non Sudden Mecahanism Amount: Not reported

HWP:

EPA Id: CAD028409019
Latitude: 33.788189
Longitude: -118.214328
Facility Type: HAZ WASTE - OPERATING PERMIT
Cleanup Status: Not reported
Region: SOUTHERN CALIFORNIA PERMITS AND CORRECTIVE ACTION
Permit Maintenance Lead: Not reported
Permit Renewal Lead: FARSHAD VAKILI
Corrective Action Lead: Not reported
Supervisor: Not reported
Site Code: 400214
Assembly District: 55
Senate District: 28
Public Information Officer: Not reported
Facility Status: Active Facility - Permitted. Crosby & Overton (C&O) is located at 1630 West 17th Street in the City of Long Beach. A Hazardous Waste Facility Permit which was issued in 1993 and expired on July 1, 2003. C&O submitted the Part A & B permit application to renew the permit on December 2002. C&O was allowed to continue to operate under the 1993 permit until a final decision on renewal permit application is made. C&O is an off-site hazardous wastes storage, treatment and transfer facility which receives both bulk and containerized wastes. C&O accepts a wide variety of wastes. Principal operations at the facility include treatment of aqueous wastes contaminated with hydrocarbons, metals and other regulated organic and inorganic materials. The primary purpose of the facility is treatment of water that contains various, however, relatively small (less than 10 percent) quantities of oil and/or other waste constituents for treatment. The treatment capacity of the facility is limited by its industrial discharge permit for treated water of 43,750 gallons per day. The treatment system has twenty (20) waste tanks with a total liquid capacity of approximately 174,935 gallons. The aqueous waste treatment process includes pH adjustment (neutralization), phase

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON PLANT NUMBER 1 (Continued)

1000377893

separation, solids removal and stabilization, and oil recovery. The recovered oil is shipped off-site for recycling by an independent oil recycler. C&O has nine container storage areas. Five storage areas are used for storage of acid, caustic, poison and other regulated wastes, one is used for storage of oxidizer and reactive wastes, and two are used to store ignitable wastes. The ninth storage area is the evidence locker. The evidence locker is provided for securing chemical evidence seized by law enforcement agencies. The maximum allowable number of on-site hazardous waste drums at any given time is six hundred fifty six (656) 55-gallon drums. The facility is also allowed to store in the designated locations on-site at any given time not to exceed 80 cubic yards in roll-off bins, end dumps, or DOT-approved containers containing waste solids. The facility uses roll-off bins to store filter cake, sludge, contaminated soil, debris, crushed empty containers and other solid material. Large portable wastewater tanks may also be stored in the staging area for short periods of time (up to fourteen (14) days) when necessary. The total volume for all portable tanks combined shall not exceed 2,100 gallons.

Site History:

Not reported

HWP:

EPA Id:

CAD028409019

Unit Names:

CONTAIN1-Storage areas, OTHRTRT1-Filter Press, TANKSTR1, TANKTRT1

Event Description:

Determined To Be Complete and Technically Adequate

Actual Date:

1992-06-03 00:00:00

Doc Comments:

Not reported

EPA Id:

CAD028409019

Unit Names:

CONTAIN1-Storage areas, OTHRTRT1-Filter Press, TANKSTR1, TANKTRT1

Event Description:

Notice of Deficiency

Actual Date:

1991-04-10 00:00:00

Doc Comments:

Not reported

EPA Id:

CAD028409019

Unit Names:

CONTAIN1-Storage areas, OTHRTRT1-Filter Press, TANKSTR1, TANKTRT1

Event Description:

Notice of Deficiency

Actual Date:

1991-09-20 00:00:00

Doc Comments:

Not reported

EPA Id:

CAD028409019

Unit Names:

CONTAIN1-Storage areas, OTHRTRT1-Filter Press, TANKSTR1, TANKTRT1

Event Description:

Modification Other Than Groundwater

Actual Date:

1993-11-30 00:00:00

Doc Comments:

Not reported

EPA Id:

CAD028409019

Unit Names:

CONTAIN1-Storage areas, TANKSTR1, TANKTRT1

Event Description:

Final Permit Effective

Actual Date:

1984-12-28 00:00:00

Doc Comments:

Not reported

EPA Id:

CAD028409019

Unit Names:

CONTAIN1-Storage areas, OTHRTRT1-Filter Press, TANKSTR1, TANKTRT1

Event Description:

RCRA PERMIT ISSUED WITH HAZARDOUS AND SOLID WASTE AMENDMENTS REQUIREMENTS, IN

Actual Date:

1993-05-26 00:00:00

Doc Comments:

Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON PLANT NUMBER 1 (Continued)

1000377893

EPA Id:	CAD028409019
Unit Names:	CONTAIN1-Storage areas, TANKSTR1, TANKTRT1
Event Description:	Initial Submittal
Actual Date:	1989-05-06 00:00:00
Doc Comments:	Not reported
EPA Id:	CAD028409019
Unit Names:	OTHRTRT1-Filter Press
Event Description:	Initial Submittal
Actual Date:	1989-05-06 00:00:00
Doc Comments:	Not reported
EPA Id:	CAD028409019
Unit Names:	OTHRTRT1-Filter Press, TANKSTR1, TANKTRT1
Event Description:	CLASS 1 MODIFICATION, NO PRIOR APPROVAL REQUIRED
Actual Date:	1993-12-03 00:00:00
Doc Comments:	Not reported
EPA Id:	CAD028409019
Unit Names:	CONTAIN1-Storage areas, TANKSTR1, TANKTRT1
Event Description:	Part B Call-In
Actual Date:	1983-06-20 00:00:00
Doc Comments:	Not reported
EPA Id:	CAD028409019
Unit Names:	CONTAIN1-Storage areas, TANKSTR1, TANKTRT1
Event Description:	Draft Permit Issued
Actual Date:	1984-11-09 00:00:00
Doc Comments:	Not reported
EPA Id:	CAD028409019
Unit Names:	CONTAIN1-Storage areas, OTHRTRT1-Filter Press, TANKSTR1, TANKTRT1
Event Description:	Public Notice
Actual Date:	1993-02-23 00:00:00
Doc Comments:	Not reported
EPA Id:	CAD028409019
Unit Names:	CONTAIN1-Storage areas, OTHRTRT1-Filter Press, TANKSTR1, TANKTRT1
Event Description:	Part B Call-In
Actual Date:	2001-12-21 00:00:00
Doc Comments:	Not reported
EPA Id:	CAD028409019
Unit Names:	OTHRTRT1-Filter Press
Event Description:	CLASS 1 MODIFICATION, NO PRIOR APPROVAL REQUIRED
Actual Date:	2003-03-28 00:00:00
Doc Comments:	Not reported
EPA Id:	CAD028409019
Unit Names:	CONTAIN1-Storage areas, OTHRTRT1-Filter Press, TANKSTR1, TANKTRT1
Event Description:	Part A Received
Actual Date:	2002-12-16 00:00:00
Doc Comments:	Not reported
EPA Id:	CAD028409019
Unit Names:	CONTAIN1-Storage areas, OTHRTRT1-Filter Press, TANKSTR1, TANKTRT1
Event Description:	CLASS 1 MODIFICATION, NO PRIOR APPROVAL REQUIRED

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON PLANT NUMBER 1 (Continued)

1000377893

Actual Date: 2004-02-10 00:00:00
Doc Comments: Not reported

EPA Id: CAD028409019
Unit Names: CONTAIN1-Storage areas, OTHRTRT1-Filter Press, TANKSTR1, TANKTRT1
Event Description: CLASS 1 MODIFICATION, NO PRIOR APPROVAL REQUIRED
Actual Date: 2009-01-05 00:00:00
Doc Comments: Crosby & Overton Class I Mod - Replacement of Tank 1067 with equivalent

AO203
West
1/2-1
0.545 mi.
2880 ft.

CALBLASCO INC
1620 WEST 16TH STREET
LONG BEACH, CA 90813

ENVIROSTOR **S101480857**
N/A

Site 4 of 4 in cluster AO

Relative:
Lower

Actual:
10 ft.

ENVIROSTOR:
Site Type: Historical
Site Type Detailed: * Historical
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Referred - Not Assigned
Division Branch: Cypress
Facility ID: 19350398
Site Code: Not reported
Assembly: 55
Senate: 28
Special Program: * RCRA 3012 - Past Haz Waste Disp Inven Site
Status: Refer: RCRA
Status Date: 3/1/1984
Restricted Use: NO
Site Mgmt. Req.: NONE SPECIFIED
Funding: Not reported
Latitude: 33.78722222222198
Longitude: -118.214166666667
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: 10008, 10060, 10176, 10185, 10195, 10199, 30160
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CROSBY & OVERTON PLANT 1
Alias Type: Alternate Name
Alias Name: CAD028409019
Alias Type: EPA Identification Number
Alias Name: CAD980636542
Alias Type: EPA Identification Number
Alias Name: 19350398
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 1983-09-26 00:00:00

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CALBLASCO INC (Continued)

S101480857

Comments: FACILITY IDENTIFIED ID FROM ERRIS

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 1983-02-24 00:00:00
Comments: FACILITY IDENTIFIED L.A. CHAM OF COMM BUS DIR 1969-70 OPER: SANDBLASTING & ENAMELING

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 1995-05-01 00:00:00
Comments: DATABASE VALIDATION PROGRAM CONFIRMS NFA FOR DTSC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 1984-03-01 00:00:00
Comments: T/C W/R.POTTS,CROSBY & OVERTON,213-432- 5445 - 1)YR OF OPER: 1952 TO PRESENT. 2)FAC TYPE: CLARIFIER,VACUUM TANK TRUCKS 550BBL, 2 SEPARATOR TANKS 21,000GAL,DRUM LANDSPREADING OF OIL WASTE AT HARBOR DURING 1970. 1952-75 FAC USED AS A TRANS -FER STATION. NO CLALIFIER,NO HAULER REC THE SITE IS FENCED, PAVED,& GUARDED. SOURCE ACT: APPLI FOR OPER PERMIT DHS - INDUST/MARINE HEAVY DUTY CLEANING & SPIL PETROLEUM REFINING WASTE. HZD WASTE TO BKK LDFL. INCIDENT: 7-15-81 SPILAGE ON AZUSA AVE FINAL STRATEGY RESPONSE. RESOURCE RECOV,TRANSFER STATIN SUBMIT TO EPA PRELIM ASSESS DONE RCRA 3012

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

204
West
1/2-1
0.547 mi.
2889 ft.

LONG BEACH PLATING CO INC
1620 WEST ANAHEIM STREET
LONG BEACH, CA 90813

EMI
ENVIROSTOR
S106834673
N/A

Relative:
Lower

EMI:
Year: 1990
County Code: 19
Air Basin: SC
Facility ID: 17339
Air District Name: SC
SIC Code: 3471
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0

Actual:
8 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LONG BEACH PLATING CO INC (Continued)

S106834673

NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers & Smllr Tons/Yr: 0

Year: 2007
County Code: 43
Air Basin: SF
Facility ID: 17339
Air District Name: BA
SIC Code: 3674
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: .001
Reactive Organic Gases Tons/Yr: .0008367
Carbon Monoxide Emissions Tons/Yr: .001
NOX - Oxides of Nitrogen Tons/Yr: .043
SOX - Oxides of Sulphur Tons/Yr: .001
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers & Smllr Tons/Yr: 0

ENVIROSTOR:

Site Type: Not reported
Site Type Detailed: Tiered Permit
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Not reported
Division Branch: Cypress
Facility ID: 71002202
Site Code: Not reported
Assembly: 55
Senate: 25
Special Program: Not reported
Status: Not reported
Status Date: Not reported
Restricted Use: NO
Site Mgmt. Req.: NONE SPECIFIED
Funding: Not reported
Latitude: 33.78240000000003
Longitude: -118.21422200000001
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAD008344038
Alias Type: EPA Identification Number

Completed Info:

Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LONG BEACH PLATING CO INC (Continued)

S106834673

Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

205
West
1/2-1
0.554 mi.
2926 ft.

CROSBY & OVERTON - PLANT #1
1630 W 17TH ST
LONG BEACH, CA 90813

CA WDS
NPDES
HAZNET
ENVIROSTOR

S103957863
N/A

Relative:
Lower

CA WDS:

Facility ID: 4 19I002578
Facility Type: Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number: CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion: 4
Facility Telephone: 5624325445
Facility Contact: LARRY BOYLE
Agency Name: CROSBY & OVERTON INC
Agency Address: 1610 W 17th St
Agency City,St,Zip: Long Beach 908131295
Agency Contact: ROBERT DENT
Agency Telephone: 3104325445
Agency Type: Private
SIC Code: 0
SIC Code 2: Not reported
Primary Waste: Not reported
Primary Waste Type: Not reported
Secondary Waste: Not reported
Secondary Waste Type: Not reported
Design Flow: 0
Baseline Flow: 0
Reclamation: Not reported
POTW: Not reported
Treat To Water: Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity: Category C - Facilities having no waste treatment systems, such as cooling water dischargers or those who must comply through best management practices, facilities with passive waste treatment and

Actual:
11 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON - PLANT #1 (Continued)

S103957863

disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

NPDES:

Npdes Number: Not reported
Facility Status: Active
Agency Id: 11889
Region: 4
Regulatory Measure Id: 188994
Order No: 97-03-DWQ
Regulatory Measure Type: Storm water industrial
Place Id: 216184
WDID: 4 19I002578
Program Type: INDSTW
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: 1992-04-01 00:00:00
Expiration Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported
Discharge Name: Crosby & Overton
Discharge Address: 1610 West 17th Street
Discharge City: Long Beach
Discharge State: CA
Discharge Zip: 90813-1295

HAZNET:

Gepaid: CAD028409019
Contact: MICHAEL A. SHLOUB/PRESIDENT
Telephone: 5624325445
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 1610 W 17TH ST
Mailing City,St,Zip: LONG BEACH, CA 908131213
Gen County: Los Angeles
TSD EPA ID: CAT000646117
TSD County: Kings
Waste Category: Not reported
Disposal Method: H132
Tons: 488.824
Facility County: Los Angeles

Gepaid: CAD028409019
Contact: MICHAEL A. SHLOUB/PRESIDENT
Telephone: 5624325445
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 1610 W 17TH ST
Mailing City,St,Zip: LONG BEACH, CA 908131213
Gen County: Los Angeles
TSD EPA ID: CAD028409019
TSD County: Los Angeles
Waste Category: Unspecified organic liquid mixture
Disposal Method: H141
Tons: 0.0306
Facility County: Los Angeles

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON - PLANT #1 (Continued)

S103957863

Gepaid: CAD028409019
Contact: MICHAEL A. SHLOUB/PRESIDENT
Telephone: 5624325445
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 1610 W 17TH ST
Mailing City,St,Zip: LONG BEACH, CA 908131213
Gen County: Los Angeles
TSD EPA ID: CAD008302903
TSD County: Los Angeles
Waste Category: Not reported
Disposal Method: H141
Tons: 16.68
Facility County: Los Angeles

Gepaid: CAD028409019
Contact: MICHAEL A. SHLOUB/PRESIDENT
Telephone: 5624325445
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 1610 W 17TH ST
Mailing City,St,Zip: LONG BEACH, CA 908131213
Gen County: Los Angeles
TSD EPA ID: CAD097030993
TSD County: Los Angeles
Waste Category: Liquids with pH <UN-> 2 with metals
Disposal Method: H07
Tons: 0.22935
Facility County: Los Angeles

Gepaid: CAD028409019
Contact: MICHAEL A. SHLOUB/PRESIDENT
Telephone: 5624325445
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 1610 W 17TH ST
Mailing City,St,Zip: LONG BEACH, CA 908131213
Gen County: Los Angeles
TSD EPA ID: CAD099452708
TSD County: Los Angeles
Waste Category: Waste oil and mixed oil
Disposal Method: H141
Tons: 9.12
Facility County: Los Angeles

[Click this hyperlink](#) while viewing on your computer to access
929 additional CA_HAZNET: record(s) in the EDR Site Report.

ENVIROSTOR:

Site Type: Corrective Action
Site Type Detailed: Corrective Action
Acres: 0
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: WM
Program Manager: Not reported
Supervisor: * Unknown

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON - PLANT #1 (Continued)

S103957863

Division Branch: Chatsworth
Facility ID: 80001355
Site Code: 400214
Assembly: 55
Senate: 28
Special Program: Not reported
Status: Active
Status Date: 1/1/2008
Restricted Use: NO
Site Mgmt. Req.: NONE SPECIFIED
Funding: Not reported
Latitude: 33.7878594495374
Longitude: -118.214542865753
APN: Not reported
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 7432008046
Alias Type: APN
Alias Name: CAD028409019
Alias Type: EPA Identification Number
Alias Name: 400214
Alias Type: Project Code (Site Code)
Alias Name: 80001355
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: ENTIRE FACILITY
Completed Document Type: Interim Measures Questionnaire
Completed Date: 1993-02-24 00:00:00
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: ENTIRE FACILITY
Completed Document Type: RCRA Facility Assessment Report
Completed Date: 1988-07-28 00:00:00
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: ENTIRE FACILITY
Completed Document Type: Preliminary Assessment Report
Completed Date: 1988-08-01 00:00:00
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: ENTIRE FACILITY
Completed Document Type: Preliminary Assessment Report
Completed Date: 1984-06-01 00:00:00
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON - PLANT #1 (Continued)

S103957863

Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

206
WNW
1/2-1
0.673 mi.
3554 ft.

JUAN RODRIGUEZ CABRILLO HIGH SCHOOL
2001 SANTA FE AVENUE
LONG BEACH, CA 90810

SCH S106387264
ENVIROSTOR N/A

Relative:
Higher

SCH:

Actual:
14 ft.

Facility ID: 19010025
Site Type: School Investigation
Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED
Acres: 40
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Mitigation And Brownfield Reuse Program
Project Manager: Not reported
Supervisor: Mark Malinowski
Division Branch: Cypress
Site Code: 404279
Assembly: 55
Senate: 28
Special Program Status: Not reported
Status: No Further Action
Status Date: 11/13/2001
Restricted Use: NO
Funding: School District
Latitude: 33.792999000000002
Longitude: -118.2145
APN: NONE SPECIFIED
Past Use: AGRICULTURAL - ROW CROPS
Potential COC: 30001, 30006, 30007, 30008, 30013
Confirmed COC: NONE SPECIFIED
Potential Description: SOIL
Alias Name: JUAN RODRIGUEZ CABRILLO HIGH SCH00L
Alias Type: Alternate Name
Alias Name: LONG BEACH UNIFIED SCHOOL DISTRICT
Alias Type: Alternate Name
Alias Name: LONG BEACH USD-CABRILLO HIGH/CDE
Alias Type: Alternate Name
Alias Name: LONG BEACH USD-J RODRIGUEZ CABRILLO HS
Alias Type: Alternate Name
Alias Name: 404058
Alias Type: Project Code (Site Code)
Alias Name: 404279
Alias Type: Project Code (Site Code)
Alias Name: 19010025
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

JUAN RODRIGUEZ CABRILLO HIGH SCHOOL (Continued)

S106387264

Completed Date: 2001-11-01 00:00:00
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 2003-04-22 00:00:00
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 2002-04-04 00:00:00
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 2001-11-13 00:00:00
Comments: DTSC approved the Preliminary Endangerment Assessment (PEA). Based on the information presented in the PEA, neither an actual a potential release of hazardous material, nor the presence of naturally occurring hazardous material indicated at the site pose threat to human health or the environment under any land use. Therefore, DTSC concurred that no further environmental investigation or cleanup was required at this site, and approved the PEA.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 2000-04-04 00:00:00
Comments: Phase 1 - Pursuant to an agreement between the Department of Toxic Substances Control (DTSC) and the California Department of Education, DTSC's Site Mitigation Program completed a review of a Phase 1 Environmental Assessment and has determined that a Preliminary Endangerment Assessment is required. The PEA will be Conducted under DTSC's oversight pursuant to agreements between DTSC and the pertinent school district. Any subsequent cleanup Activities (if needed) after the PEA would be conducted pursuant to agreements between DTSC and the School District.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

ENVIROSTOR:

Site Type: School Investigation
Site Type Detailed: School
Acres: 40
NPL: NO
Regulatory Agencies: SMBRP

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

JUAN RODRIGUEZ CABRILLO HIGH SCHOOL (Continued)

S106387264

Lead Agency: SMBRP
Program Manager: Not reported
Supervisor: Mark Malinowski
Division Branch: Cypress
Facility ID: 19010025
Site Code: 404279
Assembly: 55
Senate: 28
Special Program: Not reported
Status: No Further Action
Status Date: 11/13/2001
Restricted Use: NO
Site Mgmt. Req.: NONE SPECIFIED
Funding: School District
Latitude: 33.792999000000002
Longitude: -118.2145
APN: NONE SPECIFIED
Past Use: AGRICULTURAL - ROW CROPS
Potential COC: 30001, 30006, 30007, 30008, 30013
Confirmed COC: NONE SPECIFIED
Potential Description: SOIL
Alias Name: JUAN RODRIGUEZ CABRILLO HIGH SCH00L
Alias Type: Alternate Name
Alias Name: LONG BEACH UNIFIED SCHOOL DISTRICT
Alias Type: Alternate Name
Alias Name: LONG BEACH USD-CABRILLO HIGH/CDE
Alias Type: Alternate Name
Alias Name: LONG BEACH USD-J RODRIGUEZ CABRILLO HS
Alias Type: Alternate Name
Alias Name: 404058
Alias Type: Project Code (Site Code)
Alias Name: 404279
Alias Type: Project Code (Site Code)
Alias Name: 19010025
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 2001-11-01 00:00:00
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 2003-04-22 00:00:00
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 2002-04-04 00:00:00
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

JUAN RODRIGUEZ CABRILLO HIGH SCHOOL (Continued)

S106387264

Completed Date: 2001-11-13 00:00:00
Comments: DTSC approved the Preliminary Endangerment Assessment (PEA). Based on the information presented in the PEA, neither an actual a potential release of hazardous material, nor the presence of naturally occurring hazardous material indicated at the site pose threat to human health or the environment under any land use. Therefore, DTSC concurred that no further environmental investigation or cleanup was required at this site, and approved the PEA.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 2000-04-04 00:00:00
Comments: Phase 1 - Pursuant to an agreement between the Department of Toxic Substances Control (DTSC) and the California Department of Education, DTSC's Site Mitigation Program completed a review of a Phase 1 Environmental Assessment and has determined that a Preliminary Endangerment Assessment is required. The PEA will be Conducted under DTSC's oversight pursuant to agreements between DTSC and the pertinent school district. Any subsequent cleanup Activities (if needed) after the PEA would be conducted pursuant to agreements between DTSC and the School District.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

207
West
1/2-1
0.685 mi.
3619 ft.

QUALITY ALUMINUM FORGE
1411 COTA AVE.
LONG BEACH, CA 92807

ENVIROSTOR S110494223
N/A

Relative:
Lower

ENVIROSTOR:
Site Type: Not reported
Site Type Detailed: Tiered Permit
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Not reported
Division Branch: Cypress
Facility ID: 71002791
Site Code: Not reported
Assembly: 55
Senate: 25
Special Program: Not reported
Status: Not reported
Status Date: Not reported
Restricted Use: NO
Site Mgmt. Req.: NONE SPECIFIED

Actual:
8 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

QUALITY ALUMINUM FORGE (Continued)

S110494223

Funding: Not reported
Latitude: 33.783963
Longitude: -118.21687799999999
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAL000290855
Alias Type: EPA Identification Number

Completed Info:

Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

AP208
WSW
1/2-1
0.872 mi.
4605 ft.

**EDISON/LONG BEACH MGP III
LG BEACH AREA, 8TH INT W/EDISON
LONG BEACH, CA 90802**

**Manufactured Gas Plants 1008407698
N/A**

Site 1 of 2 in cluster AP

**Relative:
Lower**

Manufactured Gas Plants:

**Actual:
7 ft.**

The former Long Beach III Manufactured Gas Plant (MGP) site is located at the southwest corner of the intersection of Pier B Street and Edison Avenue in the City of Long Beach, California. The site consists of approximately five acres. An MGP operated at the site from 1906 until 1916. From 1916 to 1971, the entire site was used for natural gas storage and distribution. In 1974, the City of Long Beach began dismantling and removing the equipment and structures from the site. The City of Long Beach currently owns the site. Land use adjacent and in the vicinity of the site is primarily commercial and industrial associated with shipping and petroleum industries. The entire site is paved and approximately 80 percent of the site is used as a parking lot for imported cars while the remaining portion is located under Pier B Street. Contaminants of Concern at the site include Hydrocarbons (TPH), Polycyclic Aromatic Hydrocarbon (PAH's), Lead, and Arsenic.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AP209 **EDISON/LONG BEACH III MGP**
WSW **LG BCH HARBOR AREA, 8TH ST INT.W/EDISON**
1/2-1 **LONG BEACH, CA 90802**
0.888 mi.
4690 ft. **Site 2 of 2 in cluster AP**

VCP **S100848277**
ENVIROSTOR **N/A**

Relative:
Lower

VCP:

Actual:
6 ft.

Facility ID: 19490233
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Cleanup
Site Mgmt. Req.: NONE SPECIFIED
Acres: 5
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Mitigation And Brownfield Reuse Program
Project Manager: TEDD YARGEAU
Supervisor: Rita Kamat
Division Branch: Chatsworth
Site Code: 400448
Assembly: 55
Senate: 27
Special Programs Code: Voluntary Cleanup Program
Status: Certified / Operation & Maintenance
Status Date: 12/31/2004
Restricted Use: NO
Funding: Responsible Party
Lat/Long: 33.77944444444401 / -118.216944444444
APN: NONE SPECIFIED
Past Use: MANUFACTURED GAS PLANT
Potential COC: 30001, 30013, 3002502
Confirmed COC: Not reported
Potential Description: SOIL
Alias Name: BOOK 7436, PAGE 15, PACEL 900, L.A.
Alias Type: Alternate Name
Alias Name: SO. CAL EDISON LONG BEACH TOWN GAS PLANT
Alias Type: Alternate Name
Alias Name: TOWN GAS PLANT LONG BEACH III
Alias Type: Alternate Name
Alias Name: 110033618832
Alias Type: EPA (FRS #)
Alias Name: 400448
Alias Type: Project Code (Site Code)
Alias Name: 19490233
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 2002-12-27 00:00:00
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation / Feasibility Study
Completed Date: 2000-06-30 00:00:00
Comments: DTSC approves the Feasibility Study for the site. DTSC issues comments on the revised Health Risk Assessment.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EDISON/LONG BEACH III MGP (Continued)

S100848277

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 1995-02-02 00:00:00
Comments: DTSC reviewed and approved the PEA Report prepared for the Long Beach III site. DTSC recommended that further action is required on the site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Deed/LUR Enforcement & Implementation Plan
Completed Date: 2004-09-23 00:00:00
Comments: Signed Deed Restriction lodged with county.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 2001-12-19 00:00:00
Comments: Additional Soil Sampling Workplan finalized

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 2005-05-06 00:00:00
Comments: Annual Status report submitted to DTSC indicating that there has been no change in land use and asphalt cap has been maintained.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 2006-05-07 00:00:00
Comments: Annual Status report submitted to DTSC. Report indicates that there has been no change in land use and asphalt cap is well maintained.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 2007-05-09 00:00:00
Comments: Annual Status report submitted to DTSC. Annual report indicates that the end land use has not changed and that the asphalt cap has been well maintained.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 2008-06-06 00:00:00
Comments: Annual status report submitted indicates that there was no change in land use and that the asphalt cover remains intact.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 2009-05-04 00:00:00
Comments: Annual Status Report for the Former Long Beach III MGP site submitted and approved by DTSC.

Completed Area Name: PROJECT WIDE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EDISON/LONG BEACH III MGP (Continued)

S100848277

Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Notice of Exemption
Completed Date: 2002-12-30 00:00:00
Comments: Public Comment Period completed. Notice of Exemption finalized and submitted to the State Clearinghouse. DTSC issues concurrence letter for the remedy which is to deed restrict the property. CEQA Notice of Exemption finalized and sent to State Clearinghouse.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Amendment - Order/Agreement
Completed Date: 1996-05-20 00:00:00
Comments: DTSC executes a Consent Order with Southern California Edison and Southern California Gas to complete an RI/FS for the site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 1994-05-10 00:00:00
Comments: DTSC enters into a Voluntary Cleanup Agreement with Southern California Edison to conduct a Preliminary Endangerment Assessment.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Amendment - Order/Agreement
Completed Date: 1999-01-04 00:00:00
Comments: Transition to Chapter 6.5 - Amendment to the Existing Consent Order, Docket No. HSA 95/96-047 signed by RPs. John Fielder: 12/11/98 & Robert G. Vogel: 12/21/98.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction Monitoring Report
Completed Date: 2010-05-25 00:00:00
Comments: Annual Inspection report submitted and approved

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

ENVIROSTOR:

Site Type: Voluntary Cleanup
Site Type Detailed: Voluntary Cleanup
Acres: 5
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: TEDD YARGEAU
Supervisor: Rita Kamat
Division Branch: Chatsworth
Facility ID: 19490233

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EDISON/LONG BEACH III MGP (Continued)

S100848277

Site Code: 400448
Assembly: 55
Senate: 27
Special Program: Voluntary Cleanup Program
Status: Certified / Operation & Maintenance
Status Date: 12/31/2004
Restricted Use: NO
Site Mgmt. Req.: NONE SPECIFIED
Funding: Responsible Party
Latitude: 33.77944444444401
Longitude: -118.216944444444
APN: NONE SPECIFIED
Past Use: MANUFACTURED GAS PLANT
Potential COC: 30001, 30013, 3002502
Confirmed COC: Not reported
Potential Description: SOIL
Alias Name: BOOK 7436, PAGE 15, PACEL 900, L.A.
Alias Type: Alternate Name
Alias Name: SO. CAL EDISON LONG BEACH TOWN GAS PLANT
Alias Type: Alternate Name
Alias Name: TOWN GAS PLANT LONG BEACH III
Alias Type: Alternate Name
Alias Name: 110033618832
Alias Type: EPA (FRS #)
Alias Name: 400448
Alias Type: Project Code (Site Code)
Alias Name: 19490233
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 2002-12-27 00:00:00
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation / Feasibility Study
Completed Date: 2000-06-30 00:00:00
Comments: DTSC approves the Feasibility Study for the site. DTSC issues comments on the revised Health Risk Assessment.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 1995-02-02 00:00:00
Comments: DTSC reviewed and approved the PEA Report prepared for the Long Beach III site. DTSC recommended that further action is required on the site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Deed/LUR Enforcement & Implementation Plan
Completed Date: 2004-09-23 00:00:00
Comments: Signed Deed Restriction lodged with county.

Completed Area Name: PROJECT WIDE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EDISON/LONG BEACH III MGP (Continued)

S100848277

Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 2001-12-19 00:00:00
Comments: Additional Soil Sampling Workplan finalized

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 2005-05-06 00:00:00
Comments: Annual Status report submitted to DTSC indicating that there has been no change in land use and asphalt cap has been maintained.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 2006-05-07 00:00:00
Comments: Annual Status report submitted to DTSC. Report indicates that there has been no change in land use and asphalt cap is well maintained.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 2007-05-09 00:00:00
Comments: Annual Status report submitted to DTSC. Annual report indicates that the end land use has not changed and that the asphalt cap has been well maintained.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 2008-06-06 00:00:00
Comments: Annual status report submitted indicates that there was no change in land use and that the asphalt cover remains intact.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 2009-05-04 00:00:00
Comments: Annual Status Report for the Former Long Beach III MGP site submitted and approved by DTSC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Notice of Exemption
Completed Date: 2002-12-30 00:00:00
Comments: Public Comment Period completed. Notice of Exemption finalized and submitted to the State Clearinghouse. DTSC issues concurrence letter for the remedy which is to deed restrict the property. CEQA Notice of Exemption finalized and sent to State Clearinghouse.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Amendment - Order/Agreement
Completed Date: 1996-05-20 00:00:00
Comments: DTSC executes a Consent Order with Southern California Edison and Southern California Gas to complete an RI/FS for the site.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EDISON/LONG BEACH III MGP (Continued)

S100848277

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 1994-05-10 00:00:00
Comments: DTSC enters into a Voluntary Cleanup Agreement with Southern California Edison to conduct a Preliminary Endangerment Assessment.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Amendment - Order/Agreement
Completed Date: 1999-01-04 00:00:00
Comments: Transition to Chapter 6.5 - Amendment to the Existing Consent Order, Docket No. HSA 95/96-047 signed by RPs. John Fielder: 12/11/98 & Robert G. Vogel: 12/21/98.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction Monitoring Report
Completed Date: 2010-05-25 00:00:00
Comments: Annual Inspection report submitted and approved

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

210
West
1/2-1
0.892 mi.
4710 ft.

BEAR STATE ELECTRICAL CO INC
2105 WEST COWLES STREET
LONG BEACH, CA 90813

ENVIROSTOR **1000351863**
N/A

Relative:
Lower

ENVIROSTOR:

Actual:
7 ft.

Site Type: Historical
Site Type Detailed: * Historical
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Referred - Not Assigned
Division Branch: Cypress
Facility ID: 19360096
Site Code: Not reported
Assembly: 55
Senate: 25
Special Program: * Site Char & Assess Grant (CERCLA 104)
Status: Refer: Other Agency
Status Date: 8/31/1995
Restricted Use: NO
Site Mgmt. Req.: NONE SPECIFIED
Funding: Not reported
Latitude: 33.784913711479398

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BEAR STATE ELECTRICAL CO INC (Continued)

1000351863

Longitude: -118.21997819589301
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: 10034, 10098, 10199, 30018
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: BEAR STATE SERVICE CENTER
Alias Type: Alternate Name
Alias Name: JAIDE CAR COMPANY
Alias Type: Alternate Name
Alias Name: RELIANCE ELECTRIC CO
Alias Type: Alternate Name
Alias Name: CAD980888952
Alias Type: EPA Identification Number
Alias Name: CAX000113555
Alias Type: HWIS Identification Code
Alias Name: 19360096
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 1982-09-14 00:00:00
Comments: Facility identified from Pac Tel Business Directory 1971.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 1991-05-27 00:00:00
Comments: EPA Screening Site Inspection Reassessment recommended NFA. No Further Action for DTSC; recommend referral to City of Long Beach.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

211
WSW
1/2-1
0.938 mi.
4951 ft.

Relative:
Higher

PETRO DIAMOND TERMINAL COMPANY
1920 LUGGER BERTH 83 WAY
LONG BEACH, CA 90813

RCRA-LQG **1000231528**
FINDS **CAD040954521**
NPDES
LUST
CA FID UST
HIST UST
SWEEPS UST
ENVIROSTOR

Actual:
14 ft.

RCRA-LQG:
Date form received by agency: 02/19/2004
Facility name: PETRO-DIAMOND TERMINAL COMPANY
Facility address: 1920 LUGGER WAY
LONG BEACH, CA 90813
EPA ID: CAD040954521

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PETRO DIAMOND TERMINAL COMPANY (Continued)

1000231528

Mailing address: P.O. BOX 19617
IRVINE, CA 92623
Contact: JAMES MENEES
Contact address: Not reported
Not reported
Contact country: Not reported
Contact telephone: (949) 553-0112
Contact email: JMENEES@MAIL.PETRODIAMOND.COM
EPA Region: 09
Land type: Municipal
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name: PETRO-DIAMOND TERMINAL COMPANY
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 04/29/1983
Owner/Op end date: Not reported

Owner/operator name: PETRO-DIAMOND TERMINAL COMPANY
Owner/operator address: P.O. BOX 19617
IRVINE, CA 92623
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 04/29/1983
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
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PETRO DIAMOND TERMINAL COMPANY (Continued)

1000231528

User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Commercial status unknown

Universal Waste Summary:

Waste type: Batteries
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Lamps
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Pesticides
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Thermostats
Accumulated waste on-site: No
Generated waste on-site: No

Historical Generators:

Date form received by agency: 02/19/2004
Facility name: PETRO-DIAMOND TERMINAL COMPANY
Classification: Large Quantity Generator

Date form received by agency: 03/28/2002
Facility name: PETRO-DIAMOND TERMINAL COMPANY
Classification: Large Quantity Generator

Date form received by agency: 09/01/1996
Facility name: PETRO-DIAMOND TERMINAL COMPANY
Site name: LONG BEACH TERMINAL COMPANY LTD.
Classification: Small Quantity Generator

Date form received by agency: 09/23/1980
Facility name: PETRO-DIAMOND TERMINAL COMPANY
Site name: LONG BEACH TERMINAL COMPANY LTD.
Classification: Large Quantity Generator

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A

Map ID
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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

PETRO DIAMOND TERMINAL COMPANY (Continued)

1000231528

CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Facility Has Received Notices of Violations:

Regulation violated: Not reported
Area of violation: Generators - Manifest
Date violation determined: 08/25/2003
Date achieved compliance: 08/25/2003
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/20/2004
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Manifest
Date violation determined: 08/25/2003
Date achieved compliance: 08/25/2003
Violation lead agency: EPA
Enforcement action: Not reported
Enforcement action date: 08/23/2004
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 04/30/2009
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/30/2004
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State Contractor/Grantee

Evaluation date: 11/20/2003
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State Contractor/Grantee

Evaluation date: 08/25/2003
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PETRO DIAMOND TERMINAL COMPANY (Continued)

1000231528

Area of violation: Generators - Manifest
Date achieved compliance: 08/25/2003
Evaluation lead agency: EPA

Evaluation date: 09/29/1993
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State Contractor/Grantee

FINDS:

Registry ID: 110002421246

Environmental Interest/Information System
Not reported

AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AFS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.

The NEI (National Emissions Inventory) database contains information on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

US EPA Renewable Fuel Standard (RFS) Program encourages the blending of renewable fuels into our nation's motor vehicle fuel by establishing annual renewable fuel standards, responsibilities of refiners and other fuel producers, a trading system and other compliance mechanisms, and recordkeeping and reporting requirements. In addition to the rule, EPA has published a Regulatory Impact Analysis (RIA), which contains analyses of the economic and environmental impacts of the expanded use of renewable fuels under this program. A renewable fuel is defined as a motor vehicle fuel that is produced from plant or animal products or wastes, as opposed to fossil fuel sources. Renewable fuels include ethanol, biodiesel and other motor vehicle fuels made from renewable sources. Currently, FRS only includes facilities using ethanol fuels from the RFS registered facility list.

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

US EPA TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.

Map ID
Direction
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PETRO DIAMOND TERMINAL COMPANY (Continued)

1000231528

US National Pollutant Discharge Elimination System (NPDES) module of the Compliance Information System (ICIS) tracks surface water permits issued under the Clean Water Act. Under NPDES, all facilities that discharge pollutants from any point source into waters of the United States are required to obtain a permit. The permit will likely contain limits on what can be discharged, impose monitoring and reporting requirements, and include other provisions to ensure that the discharge does not adversely affect water quality.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

US Facility Response Plan (FRP) contains plans for responding, to the maximum extent practical, to worst case discharges of oil.

ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and its Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

PCS (Permit Compliance System) is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

NPDES:

Npdes Number:	CA0059358
Facility Status:	Historical
Agency Id:	35752
Region:	4
Regulatory Measure Id:	347042
Order No:	R4-2002-0150
Regulatory Measure Type:	NPDES Permits
Place Id:	242342
WDID:	4B192197001
Program Type:	NPDES
Adoption Date Of Regulatory Measure:	2002-09-26 00:00:00
Effective Date Of Regulatory Measure:	2002-09-26 00:00:00
Expiration Date Of Regulatory Measure:	2007-09-26 00:00:00
Termination Date Of Regulatory Measure:	2008-05-02 00:00:00
Discharge Name:	Petro Diamond Terminal Company
Discharge Address:	Po Box 19617

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PETRO DIAMOND TERMINAL COMPANY (Continued)

1000231528

Discharge City: Long Beach
Discharge State: CA
Discharge Zip: 90813

Npdes Number: CA0059358
Facility Status: Active
Agency Id: 35752
Region: 4
Regulatory Measure Id: 347043
Order No: R4-2008-0016
Regulatory Measure Type: NPDES Permits
Place Id: 242342
WDID: 4B192197001
Program Type: NPDES
Adoption Date Of Regulatory Measure: 2008-04-03 00:00:00
Effective Date Of Regulatory Measure: 2008-05-03 00:00:00
Expiration Date Of Regulatory Measure: 2013-03-10 00:00:00
Termination Date Of Regulatory Measure: Not reported
Discharge Name: Petro Diamond Terminal Company
Discharge Address: Po Box 19617
Discharge City: Long Beach
Discharge State: CA
Discharge Zip: 90813

Npdes Number: CA0059358
Facility Status: Historical
Agency Id: 35752
Region: 4
Regulatory Measure Id: 132049
Order No: R4-2002-0150
Regulatory Measure Type: NPDES Permits
Place Id: 242342
WDID: 4B192197001
Program Type: NPDES
Adoption Date Of Regulatory Measure: 2002-09-26 00:00:00
Effective Date Of Regulatory Measure: 2002-09-26 00:00:00
Expiration Date Of Regulatory Measure: 2007-09-26 00:00:00
Termination Date Of Regulatory Measure: 2008-05-02 00:00:00
Discharge Name: Petro Diamond Terminal Company
Discharge Address: Po Box 19617
Discharge City: Long Beach
Discharge State: CA
Discharge Zip: 90813

LUST:

Region: STATE
Global Id: T0603701940
Latitude: 33.776694
Longitude: -118.2192058
Case Type: LUST Cleanup Site
Status: Open - Remediation
Status Date: 2002-01-21 00:00:00
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Worker: MSH
Local Agency: LONG BEACH/SIGNAL HILL, CITIES OF
RB Case Number: 908130261
LOC Case Number: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PETRO DIAMOND TERMINAL COMPANY (Continued)

1000231528

File Location: Regional Board
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST REG 4:

Region: 4
Regional Board: 04
County: Los Angeles
facid: 908130261
Status: Remediation Plan
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater
Abatement Method Used at the Site: Not reported
Global ID: T0603701940
W Global ID: Not reported
Staff: HDN
Local Agency: 19060
Cross Street: EDISON WAY
Enforcement Type: LET
Date Leak Discovered: Not reported
Date Leak First Reported: 11/2/1992
Date Leak Record Entered: 11/9/1992
Date Confirmation Began: Not reported
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 8/1/2002
Date the Case was Closed: Not reported
How Leak Discovered: Not reported
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Operator: Not reported
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 16698.487815986959927724106872
Source of Cleanup Funding: UNK
Preliminary Site Assessment Workplan Submitted: 1/10/1986
Preliminary Site Assessment Began: 3/23/1992
Pollution Characterization Began: 8/12/1999
Remediation Plan Submitted: 7/24/2001
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: 11/2/1992
Enforcement Action Date: Not reported
Historical Max MTBE Date: 1/1/1965
Hist Max MTBE Conc in Groundwater: 877000
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: JAMES J. KEATING
RP Address: 18401 VON KARMAN AVE., SUITE #300
Program: LUST
Lat/Long: 33.776694 / -1

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PETRO DIAMOND TERMINAL COMPANY (Continued)

1000231528

Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: 10/24/00 3RD QTR GW MON RPT 2000; 1/8/01 4TH QTR GW MON RPT 2000;
3/20/01 GW-FP-INTERIM PROGRESS RPT.; 4/17/01 1ST QTR GW MON RPT 2001

CA FID UST:

Facility ID: 19000732
Regulated By: UTNKA
Regulated ID: 00008058
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 2134358364
Mail To: Not reported
Mailing Address: 1920 LUGGER WAY
Mailing Address 2: Not reported
Mailing City,St,Zip: LONG BEACH 90813
Contact: Not reported
Contact Phone: Not reported
DUNS Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

HIST UST:

Region: STATE
Facility ID: 00000008058
Facility Type: Other
Other Type: BULK TERMINAL
Total Tanks: 0003
Contact Name: JIM MENEES
Telephone: 2134358364
Owner Name: LONG BEACH TERMINAL COMPANY
Owner Address: 1920 LUGGER WAY
Owner City,St,Zip: LONG BEACH, CA 90813

Tank Num: 001
Container Num: 4GT-1
Year Installed: Not reported
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Tank Construction: Not reported
Leak Detection: None

Tank Num: 002
Container Num: V-5
Year Installed: 1980
Tank Capacity: 00007000
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Tank Construction: 1/4 inches

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PETRO DIAMOND TERMINAL COMPANY (Continued)

1000231528

Leak Detection: None

Tank Num: 003
Container Num: 4GT-2
Year Installed: Not reported
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Tank Construction: Not reported
Leak Detection: None

SWEEPS UST:

Status: A
Comp Number: 8058
Number: 9
Board Of Equalization: 44-013380
Ref Date: 07-01-85
Act Date: Not reported
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: 4GT-1
Swrcb Tank Id: 19-060-008058-000001
Actv Date: 07-01-85
Capacity: 10000
Tank Use: M.V. FUEL
Stg: P
Content: DIESEL
Number Of Tanks: 3

Status: A
Comp Number: 8058
Number: 9
Board Of Equalization: 44-013380
Ref Date: 07-01-85
Act Date: Not reported
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: V-5
Swrcb Tank Id: 19-060-008058-000002
Actv Date: 07-01-85
Capacity: 7000
Tank Use: OIL
Stg: W
Content: WASTE OIL
Number Of Tanks: Not reported

Status: A
Comp Number: 8058
Number: 9
Board Of Equalization: 44-013380
Ref Date: 07-01-85
Act Date: Not reported
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: 4GT-2
Swrcb Tank Id: 19-060-008058-000003
Actv Date: 07-01-85

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PETRO DIAMOND TERMINAL COMPANY (Continued)

1000231528

Capacity: 10000
Tank Use: UNKNOWN
Stg: P
Content: Not reported
Number Of Tanks: Not reported

ENVIROSTOR:

Site Type: Not reported
Site Type Detailed: Tiered Permit
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Not reported
Division Branch: Cypress
Facility ID: 71002369
Site Code: Not reported
Assembly: 55
Senate: 27
Special Program: Not reported
Status: Not reported
Status Date: Not reported
Restricted Use: NO
Site Mgmt. Req.: NONE SPECIFIED
Funding: Not reported
Latitude: 33.776795300000003
Longitude: -118.2192867
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAD040954521
Alias Type: EPA Identification Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase I Verification
Completed Date: 1998-10-14 00:00:00
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 03/31/2010	Source: EPA
Date Data Arrived at EDR: 04/02/2010	Telephone: N/A
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 07/14/2010
Number of Days to Update: 10	Next Scheduled EDR Contact: 10/25/2010
	Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 03/31/2010	Source: EPA
Date Data Arrived at EDR: 04/02/2010	Telephone: N/A
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 07/14/2010
Number of Days to Update: 10	Next Scheduled EDR Contact: 10/25/2010
	Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991	Source: EPA
Date Data Arrived at EDR: 02/02/1994	Telephone: 202-564-4267
Date Made Active in Reports: 03/30/1994	Last EDR Contact: 08/16/2010
Number of Days to Update: 56	Next Scheduled EDR Contact: 11/29/2010
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal Delisted NPL site list

DELISTED NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 03/31/2010	Source: EPA
Date Data Arrived at EDR: 04/02/2010	Telephone: N/A
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 07/14/2010
Number of Days to Update: 10	Next Scheduled EDR Contact: 10/25/2010
	Data Release Frequency: Quarterly

Federal CERCLIS list

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 01/29/2010	Source: EPA
Date Data Arrived at EDR: 02/09/2010	Telephone: 703-412-9810
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 09/02/2010
Number of Days to Update: 62	Next Scheduled EDR Contact: 10/11/2010
	Data Release Frequency: Quarterly

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA's Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 06/23/2009	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/15/2010	Telephone: 703-603-8704
Date Made Active in Reports: 02/10/2010	Last EDR Contact: 07/21/2010
Number of Days to Update: 26	Next Scheduled EDR Contact: 10/25/2010
	Data Release Frequency: Varies

Federal CERCLIS NFRAP site List

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 06/23/2009	Source: EPA
Date Data Arrived at EDR: 09/02/2009	Telephone: 703-412-9810
Date Made Active in Reports: 09/21/2009	Last EDR Contact: 09/02/2010
Number of Days to Update: 19	Next Scheduled EDR Contact: 12/13/2010
	Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/25/2010
Date Data Arrived at EDR: 03/31/2010
Date Made Active in Reports: 05/27/2010
Number of Days to Update: 57

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 08/16/2010
Next Scheduled EDR Contact: 11/29/2010
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 02/17/2010
Date Data Arrived at EDR: 02/19/2010
Date Made Active in Reports: 05/17/2010
Number of Days to Update: 87

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 08/19/2010
Next Scheduled EDR Contact: 10/18/2010
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 02/17/2010
Date Data Arrived at EDR: 02/19/2010
Date Made Active in Reports: 05/17/2010
Number of Days to Update: 87

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 08/19/2010
Next Scheduled EDR Contact: 10/18/2010
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 02/17/2010
Date Data Arrived at EDR: 02/19/2010
Date Made Active in Reports: 05/17/2010
Number of Days to Update: 87

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 08/19/2010
Next Scheduled EDR Contact: 10/18/2010
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 02/17/2010
Date Data Arrived at EDR: 02/19/2010
Date Made Active in Reports: 05/17/2010
Number of Days to Update: 87

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 08/19/2010
Next Scheduled EDR Contact: 10/18/2010
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal institutional controls / engineering controls registries

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 12/20/2009	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/20/2010	Telephone: 703-603-0695
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 09/13/2010
Number of Days to Update: 82	Next Scheduled EDR Contact: 12/27/2010
	Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 12/20/2009	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/20/2010	Telephone: 703-603-0695
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 09/13/2010
Number of Days to Update: 82	Next Scheduled EDR Contact: 12/27/2010
	Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 07/09/2010	Source: National Response Center, United States Coast Guard
Date Data Arrived at EDR: 07/09/2010	Telephone: 202-267-2180
Date Made Active in Reports: 08/17/2010	Last EDR Contact: 07/09/2010
Number of Days to Update: 39	Next Scheduled EDR Contact: 10/18/2010
	Data Release Frequency: Annually

State- and tribal - equivalent NPL

RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 08/18/2010	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 09/16/2010	Telephone: 916-323-3400
Date Made Active in Reports: 09/29/2010	Last EDR Contact: 09/16/2010
Number of Days to Update: 13	Next Scheduled EDR Contact: 11/22/2010
	Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifies sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/18/2010
Date Data Arrived at EDR: 09/16/2010
Date Made Active in Reports: 09/29/2010
Number of Days to Update: 13

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 09/16/2010
Next Scheduled EDR Contact: 11/22/2010
Data Release Frequency: Quarterly

State and tribal landfill and/or solid waste disposal site lists

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inventory of solid waste disposal facilities or landfills. These may be active or inactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 08/23/2010
Date Data Arrived at EDR: 08/24/2010
Date Made Active in Reports: 09/29/2010
Number of Days to Update: 36

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 08/24/2010
Next Scheduled EDR Contact: 12/06/2010
Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

LUST REG 9: Leaking Underground Storage Tank Report

Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001
Date Data Arrived at EDR: 04/23/2001
Date Made Active in Reports: 05/21/2001
Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-637-5595
Last EDR Contact: 09/27/2010
Next Scheduled EDR Contact: 01/10/2011
Data Release Frequency: No Update Planned

LUST REG 7: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004
Date Data Arrived at EDR: 02/26/2004
Date Made Active in Reports: 03/24/2004
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-776-8943
Last EDR Contact: 08/02/2010
Next Scheduled EDR Contact: 11/15/2010
Data Release Frequency: No Update Planned

LUST REG 6V: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005
Date Data Arrived at EDR: 06/07/2005
Date Made Active in Reports: 06/29/2005
Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-241-7365
Last EDR Contact: 09/13/2010
Next Scheduled EDR Contact: 09/27/2010
Data Release Frequency: No Update Planned

LUST REG 6L: Leaking Underground Storage Tank Case Listing

For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003
Date Data Arrived at EDR: 09/10/2003
Date Made Active in Reports: 10/07/2003
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 530-542-5572
Last EDR Contact: 09/13/2010
Next Scheduled EDR Contact: 12/27/2010
Data Release Frequency: No Update Planned

LUST REG 5: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/01/2008
Date Data Arrived at EDR: 07/22/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 9

Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-4834
Last EDR Contact: 07/07/2010
Next Scheduled EDR Contact: 10/18/2010
Data Release Frequency: Quarterly

LUST REG 4: Underground Storage Tank Leak List

Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6710
Last EDR Contact: 09/07/2010
Next Scheduled EDR Contact: 12/20/2010
Data Release Frequency: No Update Planned

LUST REG 3: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003
Date Data Arrived at EDR: 05/19/2003
Date Made Active in Reports: 06/02/2003
Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-542-4786
Last EDR Contact: 07/19/2010
Next Scheduled EDR Contact: 11/01/2010
Data Release Frequency: No Update Planned

LUST REG 2: Fuel Leak List

Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433
Last EDR Contact: 09/20/2010
Next Scheduled EDR Contact: 01/03/2011
Data Release Frequency: Quarterly

LUST REG 1: Active Toxic Site Investigation

Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001
Date Data Arrived at EDR: 02/28/2001
Date Made Active in Reports: 03/29/2001
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-570-3769
Last EDR Contact: 08/02/2010
Next Scheduled EDR Contact: 11/15/2010
Data Release Frequency: No Update Planned

LUST: Geotracker's Leaking Underground Fuel Tank Report

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state. For more information on a particular leaking underground storage tank sites, please contact the appropriate regulatory agency.

Date of Government Version: 07/23/2010
Date Data Arrived at EDR: 07/23/2010
Date Made Active in Reports: 08/12/2010
Number of Days to Update: 20

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 09/21/2010
Next Scheduled EDR Contact: 01/03/2011
Data Release Frequency: Quarterly

LUST REG 8: Leaking Underground Storage Tanks

California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/14/2005
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 03/28/2005
Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4496
Last EDR Contact: 07/19/2010
Next Scheduled EDR Contact: 11/01/2010
Data Release Frequency: Varies

SLIC: Statewide SLIC Cases

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 07/23/2010
Date Data Arrived at EDR: 07/23/2010
Date Made Active in Reports: 08/12/2010
Number of Days to Update: 20

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/21/2010
Next Scheduled EDR Contact: 01/03/2011
Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003
Date Data Arrived at EDR: 04/07/2003
Date Made Active in Reports: 04/25/2003
Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220
Last EDR Contact: 08/02/2010
Next Scheduled EDR Contact: 11/15/2010
Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 09/20/2010
Next Scheduled EDR Contact: 01/03/2011
Data Release Frequency: Quarterly

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006
Date Data Arrived at EDR: 05/18/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 07/19/2010
Next Scheduled EDR Contact: 11/01/2010
Data Release Frequency: Semi-Annually

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004
Date Data Arrived at EDR: 11/18/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 07/07/2010
Next Scheduled EDR Contact: 10/18/2010
Data Release Frequency: Varies

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/01/2005
Date Data Arrived at EDR: 04/05/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 09/13/2010
Next Scheduled EDR Contact: 12/27/2010
Data Release Frequency: Semi-Annually

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005
Date Data Arrived at EDR: 05/25/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 08/16/2010
Next Scheduled EDR Contact: 11/29/2010
Data Release Frequency: Semi-Annually

SLIC REG 6L: SLIC Sites

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 08/16/2010
Next Scheduled EDR Contact: 11/29/2010
Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004
Date Data Arrived at EDR: 11/29/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 36

Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491
Last EDR Contact: 08/02/2010
Next Scheduled EDR Contact: 11/15/2010
Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008
Date Data Arrived at EDR: 04/03/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 11

Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 09/13/2010
Next Scheduled EDR Contact: 12/27/2010
Data Release Frequency: Semi-Annually

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007
Date Data Arrived at EDR: 09/11/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 17

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 08/09/2010
Next Scheduled EDR Contact: 11/22/2010
Data Release Frequency: Annually

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/04/2010
Date Data Arrived at EDR: 05/05/2010
Date Made Active in Reports: 05/27/2010
Number of Days to Update: 22

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 08/02/2010
Next Scheduled EDR Contact: 11/15/2010
Data Release Frequency: Quarterly

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 02/19/2009
Date Data Arrived at EDR: 02/19/2009
Date Made Active in Reports: 03/16/2009
Number of Days to Update: 25

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 08/02/2010
Next Scheduled EDR Contact: 11/15/2010
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 05/24/2010
Date Data Arrived at EDR: 05/27/2010
Date Made Active in Reports: 08/09/2010
Number of Days to Update: 74

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 08/02/2010
Next Scheduled EDR Contact: 11/15/2010
Data Release Frequency: Quarterly

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 05/03/2010
Date Data Arrived at EDR: 05/05/2010
Date Made Active in Reports: 05/27/2010
Number of Days to Update: 22

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 08/02/2010
Next Scheduled EDR Contact: 11/15/2010
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 05/19/2010
Date Data Arrived at EDR: 05/21/2010
Date Made Active in Reports: 08/09/2010
Number of Days to Update: 80

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 08/02/2010
Next Scheduled EDR Contact: 11/15/2010
Data Release Frequency: Semi-Annually

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 05/27/2010
Date Data Arrived at EDR: 05/28/2010
Date Made Active in Reports: 08/09/2010
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 08/02/2010
Next Scheduled EDR Contact: 11/15/2010
Data Release Frequency: Quarterly

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 11/04/2009
Date Data Arrived at EDR: 05/04/2010
Date Made Active in Reports: 07/07/2010
Number of Days to Update: 64

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 08/11/2010
Next Scheduled EDR Contact: 11/15/2010
Data Release Frequency: Varies

State and tribal registered storage tank lists

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 07/23/2010	Source: SWRCB
Date Data Arrived at EDR: 07/23/2010	Telephone: 916-480-1028
Date Made Active in Reports: 08/12/2010	Last EDR Contact: 09/21/2010
Number of Days to Update: 20	Next Scheduled EDR Contact: 01/03/2011
	Data Release Frequency: Semi-Annually

AST: Aboveground Petroleum Storage Tank Facilities

Registered Aboveground Storage Tanks.

Date of Government Version: 08/01/2009	Source: State Water Resources Control Board
Date Data Arrived at EDR: 09/10/2009	Telephone: 916-341-5712
Date Made Active in Reports: 10/01/2009	Last EDR Contact: 07/12/2010
Number of Days to Update: 21	Next Scheduled EDR Contact: 10/25/2010
	Data Release Frequency: Quarterly

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 05/04/2010	Source: EPA Region 10
Date Data Arrived at EDR: 05/05/2010	Telephone: 206-553-2857
Date Made Active in Reports: 05/27/2010	Last EDR Contact: 08/02/2010
Number of Days to Update: 22	Next Scheduled EDR Contact: 11/15/2010
	Data Release Frequency: Quarterly

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 05/27/2010	Source: EPA Region 9
Date Data Arrived at EDR: 05/28/2010	Telephone: 415-972-3368
Date Made Active in Reports: 08/09/2010	Last EDR Contact: 08/02/2010
Number of Days to Update: 73	Next Scheduled EDR Contact: 11/15/2010
	Data Release Frequency: Quarterly

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 05/24/2010	Source: EPA Region 8
Date Data Arrived at EDR: 05/27/2010	Telephone: 303-312-6137
Date Made Active in Reports: 08/09/2010	Last EDR Contact: 08/02/2010
Number of Days to Update: 74	Next Scheduled EDR Contact: 11/15/2010
	Data Release Frequency: Quarterly

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 04/01/2008	Source: EPA Region 7
Date Data Arrived at EDR: 12/30/2008	Telephone: 913-551-7003
Date Made Active in Reports: 03/16/2009	Last EDR Contact: 08/11/2010
Number of Days to Update: 76	Next Scheduled EDR Contact: 11/15/2010
	Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/03/2010
Date Data Arrived at EDR: 05/05/2010
Date Made Active in Reports: 05/27/2010
Number of Days to Update: 22

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 08/02/2010
Next Scheduled EDR Contact: 11/15/2010
Data Release Frequency: Semi-Annually

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 02/11/2010
Date Data Arrived at EDR: 02/11/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 60

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 08/02/2010
Next Scheduled EDR Contact: 11/15/2010
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations).

Date of Government Version: 05/19/2010
Date Data Arrived at EDR: 05/21/2010
Date Made Active in Reports: 08/09/2010
Number of Days to Update: 80

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 08/02/2010
Next Scheduled EDR Contact: 11/15/2010
Data Release Frequency: Semi-Annually

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 02/19/2009
Date Data Arrived at EDR: 02/19/2009
Date Made Active in Reports: 03/16/2009
Number of Days to Update: 25

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 08/02/2010
Next Scheduled EDR Contact: 11/15/2010
Data Release Frequency: Varies

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010
Date Data Arrived at EDR: 02/16/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 55

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 07/19/2010
Next Scheduled EDR Contact: 11/01/2010
Data Release Frequency: Varies

State and tribal voluntary cleanup sites

INDIAN VCP R7: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

VCP: Voluntary Cleanup Program Properties

Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/18/2010
Date Data Arrived at EDR: 09/16/2010
Date Made Active in Reports: 09/29/2010
Number of Days to Update: 13

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 09/16/2010
Next Scheduled EDR Contact: 11/22/2010
Data Release Frequency: Quarterly

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 04/02/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 07/08/2010
Next Scheduled EDR Contact: 10/18/2010
Data Release Frequency: Varies

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become Brownfields Cleanup Revolving Loan Fund (BCRLF) cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: 06/24/2010
Date Data Arrived at EDR: 06/25/2010
Date Made Active in Reports: 08/17/2010
Number of Days to Update: 53

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 09/29/2010
Next Scheduled EDR Contact: 01/10/2011
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 09/27/2010
Next Scheduled EDR Contact: 01/10/2011
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

WMUDS/SWAT: Waste Management Unit Database

Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000
Date Data Arrived at EDR: 04/10/2000
Date Made Active in Reports: 05/10/2000
Number of Days to Update: 30

Source: State Water Resources Control Board
Telephone: 916-227-4448
Last EDR Contact: 08/16/2010
Next Scheduled EDR Contact: 11/29/2010
Data Release Frequency: Quarterly

SWRCY: Recycler Database

A listing of recycling facilities in California.

Date of Government Version: 07/23/2010
Date Data Arrived at EDR: 09/21/2010
Date Made Active in Reports: 09/29/2010
Number of Days to Update: 8

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 09/21/2010
Next Scheduled EDR Contact: 01/03/2011
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing

A listing of registered waste tire haulers.

Date of Government Version: 07/19/2010
Date Data Arrived at EDR: 07/21/2010
Date Made Active in Reports: 08/12/2010
Number of Days to Update: 22

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 09/20/2010
Next Scheduled EDR Contact: 12/06/2010
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 05/07/2010
Date Data Arrived at EDR: 06/18/2010
Date Made Active in Reports: 08/17/2010
Number of Days to Update: 60

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 09/17/2010
Next Scheduled EDR Contact: 12/20/2010
Data Release Frequency: Quarterly

HIST CAL-SITES: Calsites Database

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005
Date Data Arrived at EDR: 08/03/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 21

Source: Department of Toxic Substance Control
Telephone: 916-323-3400
Last EDR Contact: 02/23/2009
Next Scheduled EDR Contact: 05/25/2009
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SCH: School Property Evaluation Program

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 08/18/2010
Date Data Arrived at EDR: 09/16/2010
Date Made Active in Reports: 09/29/2010
Number of Days to Update: 13

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 09/16/2010
Next Scheduled EDR Contact: 11/22/2010
Data Release Frequency: Quarterly

TOXIC PITS: Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995
Date Data Arrived at EDR: 08/30/1995
Date Made Active in Reports: 09/26/1995
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 916-227-4364
Last EDR Contact: 01/26/2009
Next Scheduled EDR Contact: 04/27/2009
Data Release Frequency: No Update Planned

CDL: Clandestine Drug Labs

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 08/19/2010
Date Data Arrived at EDR: 08/23/2010
Date Made Active in Reports: 09/29/2010
Number of Days to Update: 37

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 08/16/2010
Next Scheduled EDR Contact: 10/18/2010
Data Release Frequency: Varies

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 09/01/2007
Date Data Arrived at EDR: 11/19/2008
Date Made Active in Reports: 03/30/2009
Number of Days to Update: 131

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

Local Lists of Registered Storage Tanks

CA FID UST: Facility Inventory Database

The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994
Date Data Arrived at EDR: 09/05/1995
Date Made Active in Reports: 09/29/1995
Number of Days to Update: 24

Source: California Environmental Protection Agency
Telephone: 916-341-5851
Last EDR Contact: 12/28/1998
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

UST MENDOCINO: Mendocino County UST Database

A listing of underground storage tank locations in Mendocino County.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/23/2009
Date Data Arrived at EDR: 09/23/2009
Date Made Active in Reports: 10/01/2009
Number of Days to Update: 8

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 09/07/2010
Next Scheduled EDR Contact: 12/20/2010
Data Release Frequency: Annually

HIST UST: Hazardous Substance Storage Container Database

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990
Date Data Arrived at EDR: 01/25/1991
Date Made Active in Reports: 02/12/1991
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-341-5851
Last EDR Contact: 07/26/2001
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SWEEPS UST: SWEEPS UST Listing

Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

Date of Government Version: 06/01/1994
Date Data Arrived at EDR: 07/07/2005
Date Made Active in Reports: 08/11/2005
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/03/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Local Land Records

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 05/06/2010
Date Data Arrived at EDR: 05/11/2010
Date Made Active in Reports: 08/09/2010
Number of Days to Update: 90

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 08/02/2010
Next Scheduled EDR Contact: 11/15/2010
Data Release Frequency: Varies

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 12/09/2005
Date Data Arrived at EDR: 12/11/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 31

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 09/08/2010
Next Scheduled EDR Contact: 12/06/2010
Data Release Frequency: Varies

LIENS: Environmental Liens Listing

A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 07/27/2010
Date Data Arrived at EDR: 08/13/2010
Date Made Active in Reports: 08/20/2010
Number of Days to Update: 7

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 07/19/2010
Next Scheduled EDR Contact: 11/01/2010
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

DEED: Deed Restriction Listing

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 09/14/2010
Date Data Arrived at EDR: 09/15/2010
Date Made Active in Reports: 09/29/2010
Number of Days to Update: 14

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 09/15/2010
Next Scheduled EDR Contact: 12/27/2010
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 04/06/2010
Date Data Arrived at EDR: 04/07/2010
Date Made Active in Reports: 05/27/2010
Number of Days to Update: 50

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 07/09/2010
Next Scheduled EDR Contact: 10/18/2010
Data Release Frequency: Annually

CHMIRS: California Hazardous Material Incident Report System

California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 07/21/2010
Date Made Active in Reports: 08/20/2010
Number of Days to Update: 30

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 08/02/2010
Next Scheduled EDR Contact: 11/15/2010
Data Release Frequency: Varies

LDS: Land Disposal Sites Listing

The Land Disposal program regulates of waste discharge to land for treatment, storage and disposal in waste management units.

Date of Government Version: 07/23/2010
Date Data Arrived at EDR: 07/23/2010
Date Made Active in Reports: 08/12/2010
Number of Days to Update: 20

Source: State Water Quality Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/21/2010
Next Scheduled EDR Contact: 01/03/2011
Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing

The State Water Resources Control Board and nine Regional Water Quality Control Boards partner with the Department of Defense (DoD) through the Defense and State Memorandum of Agreement (DSMOA) to oversee the investigation and remediation of water quality issues at military facilities.

Date of Government Version: 07/23/2010
Date Data Arrived at EDR: 07/23/2010
Date Made Active in Reports: 08/12/2010
Number of Days to Update: 20

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/21/2010
Next Scheduled EDR Contact: 01/03/2011
Data Release Frequency: Quarterly

Other Ascertainable Records

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RCRA-NonGen: RCRA - Non Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 02/17/2010	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/19/2010	Telephone: (415) 495-8895
Date Made Active in Reports: 05/17/2010	Last EDR Contact: 08/19/2010
Number of Days to Update: 87	Next Scheduled EDR Contact: 10/18/2010
	Data Release Frequency: Varies

DOT OPS: Incident and Accident Data

Department of Transportation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 01/12/2010	Source: Department of Transportation, Office of Pipeline Safety
Date Data Arrived at EDR: 02/09/2010	Telephone: 202-366-4595
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 08/11/2010
Number of Days to Update: 62	Next Scheduled EDR Contact: 11/22/2010
	Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005	Source: USGS
Date Data Arrived at EDR: 11/10/2006	Telephone: 703-692-8801
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 07/22/2010
Number of Days to Update: 62	Next Scheduled EDR Contact: 11/01/2010
	Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/31/2008	Source: U.S. Army Corps of Engineers
Date Data Arrived at EDR: 09/30/2009	Telephone: 202-528-4285
Date Made Active in Reports: 12/01/2009	Last EDR Contact: 09/14/2010
Number of Days to Update: 62	Next Scheduled EDR Contact: 12/27/2010
	Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 04/11/2010	Source: Department of Justice, Consent Decree Library
Date Data Arrived at EDR: 04/19/2010	Telephone: Varies
Date Made Active in Reports: 05/17/2010	Last EDR Contact: 07/08/2010
Number of Days to Update: 28	Next Scheduled EDR Contact: 10/18/2010
	Data Release Frequency: Varies

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 06/01/2010	Source: EPA
Date Data Arrived at EDR: 06/16/2010	Telephone: 703-416-0223
Date Made Active in Reports: 08/17/2010	Last EDR Contact: 09/15/2010
Number of Days to Update: 62	Next Scheduled EDR Contact: 12/27/2010
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 01/05/2009	Source: Department of Energy
Date Data Arrived at EDR: 05/07/2009	Telephone: 505-845-0011
Date Made Active in Reports: 05/08/2009	Last EDR Contact: 09/01/2010
Number of Days to Update: 1	Next Scheduled EDR Contact: 12/13/2010
	Data Release Frequency: Varies

MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 05/07/2010	Source: Department of Labor, Mine Safety and Health Administration
Date Data Arrived at EDR: 06/09/2010	Telephone: 303-231-5959
Date Made Active in Reports: 08/30/2010	Last EDR Contact: 09/09/2010
Number of Days to Update: 82	Next Scheduled EDR Contact: 12/20/2010
	Data Release Frequency: Semi-Annually

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2008	Source: EPA
Date Data Arrived at EDR: 01/13/2010	Telephone: 202-566-0250
Date Made Active in Reports: 02/18/2010	Last EDR Contact: 09/01/2010
Number of Days to Update: 36	Next Scheduled EDR Contact: 12/13/2010
	Data Release Frequency: Annually

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2002	Source: EPA
Date Data Arrived at EDR: 04/14/2006	Telephone: 202-260-5521
Date Made Active in Reports: 05/30/2006	Last EDR Contact: 07/07/2010
Number of Days to Update: 46	Next Scheduled EDR Contact: 10/11/2010
	Data Release Frequency: Every 4 Years

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/30/2010
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/13/2010
	Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009	Source: EPA
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/30/2010
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/13/2010
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2008
Date Data Arrived at EDR: 01/06/2010
Date Made Active in Reports: 02/10/2010
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 08/16/2010
Next Scheduled EDR Contact: 11/15/2010
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 04/24/2010
Date Data Arrived at EDR: 04/29/2010
Date Made Active in Reports: 05/17/2010
Number of Days to Update: 18

Source: Environmental Protection Agency
Telephone: 202-564-5088
Last EDR Contact: 09/27/2010
Next Scheduled EDR Contact: 01/10/2011
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 02/01/2010
Date Data Arrived at EDR: 04/22/2010
Date Made Active in Reports: 08/09/2010
Number of Days to Update: 109

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 07/30/2010
Next Scheduled EDR Contact: 11/01/2010
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 03/18/2010	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 04/06/2010	Telephone: 301-415-7169
Date Made Active in Reports: 05/27/2010	Last EDR Contact: 09/13/2010
Number of Days to Update: 51	Next Scheduled EDR Contact: 12/27/2010
	Data Release Frequency: Quarterly

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/13/2010	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/14/2010	Telephone: 202-343-9775
Date Made Active in Reports: 08/09/2010	Last EDR Contact: 07/14/2010
Number of Days to Update: 26	Next Scheduled EDR Contact: 10/25/2010
	Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 04/14/2010	Source: EPA
Date Data Arrived at EDR: 04/16/2010	Telephone: (415) 947-8000
Date Made Active in Reports: 05/27/2010	Last EDR Contact: 09/15/2010
Number of Days to Update: 41	Next Scheduled EDR Contact: 12/27/2010
	Data Release Frequency: Quarterly

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995	Source: EPA
Date Data Arrived at EDR: 07/03/1995	Telephone: 202-564-4104
Date Made Active in Reports: 08/07/1995	Last EDR Contact: 06/02/2008
Number of Days to Update: 35	Next Scheduled EDR Contact: 09/01/2008
	Data Release Frequency: No Update Planned

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2007	Source: EPA/NTIS
Date Data Arrived at EDR: 02/25/2010	Telephone: 800-424-9346
Date Made Active in Reports: 05/12/2010	Last EDR Contact: 08/24/2010
Number of Days to Update: 76	Next Scheduled EDR Contact: 12/06/2010
	Data Release Frequency: Biennially

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CA BOND EXP. PLAN: Bond Expenditure Plan

Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989
Date Data Arrived at EDR: 07/27/1994
Date Made Active in Reports: 08/02/1994
Number of Days to Update: 6

Source: Department of Health Services
Telephone: 916-255-2118
Last EDR Contact: 05/31/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CA WDS: Waste Discharge System

Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007
Date Data Arrived at EDR: 06/20/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 9

Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 08/30/2010
Next Scheduled EDR Contact: 12/13/2010
Data Release Frequency: Quarterly

NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

Date of Government Version: 08/24/2010
Date Data Arrived at EDR: 08/24/2010
Date Made Active in Reports: 09/29/2010
Number of Days to Update: 36

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 08/24/2010
Next Scheduled EDR Contact: 12/06/2010
Data Release Frequency: Quarterly

CORTESE: "Cortese" Hazardous Waste & Substances Sites List

The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites). This listing is no longer updated by the state agency.

Date of Government Version: 07/08/2010
Date Data Arrived at EDR: 07/09/2010
Date Made Active in Reports: 08/12/2010
Number of Days to Update: 34

Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 07/09/2010
Next Scheduled EDR Contact: 10/18/2010
Data Release Frequency: Quarterly

HIST CORTESE: Hazardous Waste & Substance Site List

The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES].

Date of Government Version: 04/01/2001
Date Data Arrived at EDR: 01/22/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/22/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

NOTIFY 65: Proposition 65 Records

Proposition 65 Notification Records. NOTIFY 65 contains facility notifications about any release which could impact drinking water and thereby expose the public to a potential health risk.

Date of Government Version: 10/21/1993
Date Data Arrived at EDR: 11/01/1993
Date Made Active in Reports: 11/19/1993
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 09/27/2010
Next Scheduled EDR Contact: 01/10/2011
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

DRYCLEANERS: Cleaner Facilities

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 09/15/2010
Date Data Arrived at EDR: 09/16/2010
Date Made Active in Reports: 09/29/2010
Number of Days to Update: 13

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 09/13/2010
Next Scheduled EDR Contact: 12/27/2010
Data Release Frequency: Annually

WIP: Well Investigation Program Case List

Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009
Date Data Arrived at EDR: 07/21/2009
Date Made Active in Reports: 08/03/2009
Number of Days to Update: 13

Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 07/09/2010
Next Scheduled EDR Contact: 10/18/2010
Data Release Frequency: Varies

HAZNET: Facility and Manifest Data

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 07/07/2010
Date Made Active in Reports: 08/12/2010
Number of Days to Update: 36

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 07/21/2010
Next Scheduled EDR Contact: 11/01/2010
Data Release Frequency: Annually

EMI: Emissions Inventory Data

Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2007
Date Data Arrived at EDR: 07/14/2009
Date Made Active in Reports: 07/23/2009
Number of Days to Update: 9

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 09/29/2010
Next Scheduled EDR Contact: 01/10/2011
Data Release Frequency: Varies

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 12/08/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 34

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 07/22/2010
Next Scheduled EDR Contact: 11/01/2010
Data Release Frequency: Semi-Annually

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 05/12/2010
Date Data Arrived at EDR: 05/13/2010
Date Made Active in Reports: 08/17/2010
Number of Days to Update: 96

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 08/23/2010
Next Scheduled EDR Contact: 11/08/2010
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PROC: Certified Processors Database

A listing of certified processors.

Date of Government Version: 07/23/2010
Date Data Arrived at EDR: 09/21/2010
Date Made Active in Reports: 09/29/2010
Number of Days to Update: 8

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 09/21/2010
Next Scheduled EDR Contact: 01/03/2011
Data Release Frequency: Quarterly

MWMP: Medical Waste Management Program Listing

The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 09/03/2010
Date Data Arrived at EDR: 09/16/2010
Date Made Active in Reports: 09/29/2010
Number of Days to Update: 13

Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 09/14/2010
Next Scheduled EDR Contact: 12/27/2010
Data Release Frequency: Varies

COAL ASH DOE: Sleam-Electric Plan Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 08/07/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 76

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 07/21/2010
Next Scheduled EDR Contact: 11/01/2010
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 11/09/2009
Date Data Arrived at EDR: 12/18/2009
Date Made Active in Reports: 02/10/2010
Number of Days to Update: 54

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 09/15/2010
Next Scheduled EDR Contact: 12/27/2010
Data Release Frequency: Varies

HWT: Registered Hazardous Waste Transporter Database

A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 07/21/2010
Date Data Arrived at EDR: 07/21/2010
Date Made Active in Reports: 08/12/2010
Number of Days to Update: 22

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 07/21/2010
Next Scheduled EDR Contact: 11/01/2010
Data Release Frequency: Quarterly

HWP: EnviroStor Permitted Facilities Listing

Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 08/09/2010
Date Data Arrived at EDR: 08/11/2010
Date Made Active in Reports: 08/20/2010
Number of Days to Update: 9

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 08/11/2010
Next Scheduled EDR Contact: 11/22/2010
Data Release Frequency: Quarterly

FINANCIAL ASSURANCE 2: Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/16/2010
Date Data Arrived at EDR: 07/19/2010
Date Made Active in Reports: 08/12/2010
Number of Days to Update: 24

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 09/20/2010
Next Scheduled EDR Contact: 12/06/2010
Data Release Frequency: Varies

FINANCIAL ASSURANCE: Financial Assurance Information Listing

Financial Assurance information

Date of Government Version: 03/01/2007
Date Data Arrived at EDR: 06/01/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 28

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 08/13/2010
Next Scheduled EDR Contact: 11/15/2010
Data Release Frequency: Varies

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 07/22/2010
Next Scheduled EDR Contact: 11/01/2010
Data Release Frequency: N/A

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 01/01/2008
Date Data Arrived at EDR: 02/18/2009
Date Made Active in Reports: 05/29/2009
Number of Days to Update: 100

Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 08/10/2010
Next Scheduled EDR Contact: 11/15/2010
Data Release Frequency: Varies

EDR PROPRIETARY RECORDS

EDR Proprietary Records

Manufactured Gas Plants: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Historical Auto Stations: EDR Proprietary Historic Gas Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Historical Cleaners: EDR Proprietary Historic Dry Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

ALAMEDA COUNTY:

Contaminated Sites

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 07/14/2010
Date Data Arrived at EDR: 07/16/2010
Date Made Active in Reports: 08/12/2010
Number of Days to Update: 27

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 07/07/2010
Next Scheduled EDR Contact: 10/18/2010
Data Release Frequency: Semi-Annually

Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 07/14/2010
Date Data Arrived at EDR: 07/16/2010
Date Made Active in Reports: 08/12/2010
Number of Days to Update: 27

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 07/07/2010
Next Scheduled EDR Contact: 10/18/2010
Data Release Frequency: Semi-Annually

CONTRA COSTA COUNTY:

Site List

List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 08/16/2010
Date Data Arrived at EDR: 08/17/2010
Date Made Active in Reports: 08/20/2010
Number of Days to Update: 3

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 08/09/2010
Next Scheduled EDR Contact: 11/22/2010
Data Release Frequency: Semi-Annually

FRESNO COUNTY:

CUPA Resources List

Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/19/2010
Date Data Arrived at EDR: 07/21/2010
Date Made Active in Reports: 08/12/2010
Number of Days to Update: 22

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 07/19/2010
Next Scheduled EDR Contact: 11/01/2010
Data Release Frequency: Semi-Annually

KERN COUNTY:

Underground Storage Tank Sites & Tank Listing Kern County Sites and Tanks Listing.

Date of Government Version: 06/24/2010
Date Data Arrived at EDR: 06/24/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 15

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 08/30/2010
Next Scheduled EDR Contact: 11/29/2010
Data Release Frequency: Quarterly

LOS ANGELES COUNTY:

San Gabriel Valley Areas of Concern

San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office.

Date of Government Version: 03/30/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 10/23/2009
Number of Days to Update: 206

Source: EPA Region 9
Telephone: 415-972-3178
Last EDR Contact: 09/27/2010
Next Scheduled EDR Contact: 01/10/2011
Data Release Frequency: No Update Planned

HMS: Street Number List

Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 04/13/2010
Date Made Active in Reports: 05/18/2010
Number of Days to Update: 35

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 07/19/2010
Next Scheduled EDR Contact: 11/01/2010
Data Release Frequency: Semi-Annually

List of Solid Waste Facilities

Solid Waste Facilities in Los Angeles County.

Date of Government Version: 07/26/2010
Date Data Arrived at EDR: 08/10/2010
Date Made Active in Reports: 08/20/2010
Number of Days to Update: 10

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 07/26/2010
Next Scheduled EDR Contact: 11/08/2010
Data Release Frequency: Varies

City of Los Angeles Landfills

Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 03/05/2009
Date Data Arrived at EDR: 03/10/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 29

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 08/25/2010
Next Scheduled EDR Contact: 12/06/2010
Data Release Frequency: Varies

Site Mitigation List

Industrial sites that have had some sort of spill or complaint.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/09/2010
Date Data Arrived at EDR: 02/12/2010
Date Made Active in Reports: 03/04/2010
Number of Days to Update: 20

Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 07/26/2010
Next Scheduled EDR Contact: 11/08/2010
Data Release Frequency: Annually

City of El Segundo Underground Storage Tank
Underground storage tank sites located in El Segundo city.

Date of Government Version: 07/27/2010
Date Data Arrived at EDR: 07/28/2010
Date Made Active in Reports: 08/12/2010
Number of Days to Update: 15

Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 07/26/2010
Next Scheduled EDR Contact: 11/08/2010
Data Release Frequency: Semi-Annually

City of Long Beach Underground Storage Tank
Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 03/28/2003
Date Data Arrived at EDR: 10/23/2003
Date Made Active in Reports: 11/26/2003
Number of Days to Update: 34

Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 08/02/2010
Next Scheduled EDR Contact: 11/15/2010
Data Release Frequency: Annually

City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 07/07/2010
Date Data Arrived at EDR: 07/30/2010
Date Made Active in Reports: 08/12/2010
Number of Days to Update: 13

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 07/19/2010
Next Scheduled EDR Contact: 11/01/2010
Data Release Frequency: Semi-Annually

MARIN COUNTY:

Underground Storage Tank Sites
Currently permitted USTs in Marin County.

Date of Government Version: 04/19/2010
Date Data Arrived at EDR: 04/30/2010
Date Made Active in Reports: 05/18/2010
Number of Days to Update: 18

Source: Public Works Department Waste Management
Telephone: 415-499-6647
Last EDR Contact: 07/12/2010
Next Scheduled EDR Contact: 10/25/2010
Data Release Frequency: Semi-Annually

NAPA COUNTY:

Sites With Reported Contamination
A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 07/09/2008
Date Data Arrived at EDR: 07/09/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 22

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 09/07/2010
Next Scheduled EDR Contact: 12/20/2010
Data Release Frequency: No Update Planned

Closed and Operating Underground Storage Tank Sites
Underground storage tank sites located in Napa county.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/15/2008
Date Data Arrived at EDR: 01/16/2008
Date Made Active in Reports: 02/08/2008
Number of Days to Update: 23

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 09/07/2010
Next Scheduled EDR Contact: 12/20/2010
Data Release Frequency: No Update Planned

ORANGE COUNTY:

List of Industrial Site Cleanups

Petroleum and non-petroleum spills.

Date of Government Version: 08/05/2010
Date Data Arrived at EDR: 08/23/2010
Date Made Active in Reports: 09/29/2010
Number of Days to Update: 37

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 08/17/2010
Next Scheduled EDR Contact: 11/29/2010
Data Release Frequency: Annually

List of Underground Storage Tank Cleanups

Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 08/05/2010
Date Data Arrived at EDR: 08/23/2010
Date Made Active in Reports: 09/29/2010
Number of Days to Update: 37

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 08/17/2010
Next Scheduled EDR Contact: 11/29/2010
Data Release Frequency: Quarterly

List of Underground Storage Tank Facilities

Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 02/03/2010
Date Data Arrived at EDR: 02/12/2010
Date Made Active in Reports: 02/23/2010
Number of Days to Update: 11

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 08/17/2010
Next Scheduled EDR Contact: 11/29/2010
Data Release Frequency: Quarterly

PLACER COUNTY:

Master List of Facilities

List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 09/13/2010
Date Data Arrived at EDR: 09/14/2010
Date Made Active in Reports: 09/29/2010
Number of Days to Update: 15

Source: Placer County Health and Human Services
Telephone: 530-889-7312
Last EDR Contact: 09/13/2010
Next Scheduled EDR Contact: 12/27/2010
Data Release Frequency: Semi-Annually

RIVERSIDE COUNTY:

Listing of Underground Tank Cleanup Sites

Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 08/04/2010
Date Data Arrived at EDR: 08/13/2010
Date Made Active in Reports: 08/20/2010
Number of Days to Update: 7

Source: Department of Public Health
Telephone: 951-358-5055
Last EDR Contact: 09/27/2010
Next Scheduled EDR Contact: 01/10/2011
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Underground Storage Tank List

Underground storage tank sites located in Riverside county.

Date of Government Version: 04/19/2010	Source: Health Services Agency
Date Data Arrived at EDR: 04/19/2010	Telephone: 951-358-5055
Date Made Active in Reports: 05/18/2010	Last EDR Contact: 09/27/2010
Number of Days to Update: 29	Next Scheduled EDR Contact: 01/10/2011
	Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

Toxic Site Clean-Up List

List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 06/30/2010	Source: Sacramento County Environmental Management
Date Data Arrived at EDR: 07/21/2010	Telephone: 916-875-8406
Date Made Active in Reports: 08/12/2010	Last EDR Contact: 07/22/2010
Number of Days to Update: 22	Next Scheduled EDR Contact: 10/25/2010
	Data Release Frequency: Quarterly

Master Hazardous Materials Facility List

Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 07/26/2010	Source: Sacramento County Environmental Management
Date Data Arrived at EDR: 08/16/2010	Telephone: 916-875-8406
Date Made Active in Reports: 08/20/2010	Last EDR Contact: 07/22/2010
Number of Days to Update: 4	Next Scheduled EDR Contact: 10/25/2010
	Data Release Frequency: Quarterly

SAN BERNARDINO COUNTY:

Hazardous Material Permits

This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 09/07/2010	Source: San Bernardino County Fire Department Hazardous Materials Division
Date Data Arrived at EDR: 09/08/2010	Telephone: 909-387-3041
Date Made Active in Reports: 09/29/2010	Last EDR Contact: 08/16/2010
Number of Days to Update: 21	Next Scheduled EDR Contact: 11/29/2010
	Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

Hazardous Materials Management Division Database

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 09/09/2010	Source: Hazardous Materials Management Division
Date Data Arrived at EDR: 09/15/2010	Telephone: 619-338-2268
Date Made Active in Reports: 09/29/2010	Last EDR Contact: 09/15/2010
Number of Days to Update: 14	Next Scheduled EDR Contact: 12/27/2010
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 10/01/2009
Date Data Arrived at EDR: 12/04/2009
Date Made Active in Reports: 01/18/2010
Number of Days to Update: 45

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 08/02/2010
Next Scheduled EDR Contact: 11/15/2010
Data Release Frequency: Varies

Environmental Case Listing

The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010
Date Data Arrived at EDR: 06/15/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 24

Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 09/23/2010
Next Scheduled EDR Contact: 12/27/2010
Data Release Frequency: Varies

SAN FRANCISCO COUNTY:

Local Oversight Facilities

A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 09/29/2008
Number of Days to Update: 10

Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 08/16/2010
Next Scheduled EDR Contact: 11/29/2010
Data Release Frequency: Quarterly

Underground Storage Tank Information

Underground storage tank sites located in San Francisco county.

Date of Government Version: 05/17/2010
Date Data Arrived at EDR: 05/17/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 53

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 08/30/2010
Next Scheduled EDR Contact: 11/29/2010
Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

San Joaquin Co. UST

A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 05/14/2010
Date Data Arrived at EDR: 06/09/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 30

Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 09/27/2010
Next Scheduled EDR Contact: 01/10/2011
Data Release Frequency: Semi-Annually

SAN MATEO COUNTY:

Business Inventory

List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 07/15/2010
Date Data Arrived at EDR: 07/16/2010
Date Made Active in Reports: 08/12/2010
Number of Days to Update: 27

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 06/21/2010
Next Scheduled EDR Contact: 01/03/2011
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Fuel Leak List

A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 09/20/2010
Date Data Arrived at EDR: 09/21/2010
Date Made Active in Reports: 09/29/2010
Number of Days to Update: 8

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 09/20/2010
Next Scheduled EDR Contact: 10/04/2010
Data Release Frequency: Semi-Annually

SANTA CLARA COUNTY:

LOP Listing

A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 05/29/2009
Date Data Arrived at EDR: 06/01/2009
Date Made Active in Reports: 06/15/2009
Number of Days to Update: 14

Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 09/07/2010
Next Scheduled EDR Contact: 12/20/2010
Data Release Frequency: Annually

Hazardous Material Facilities

Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 08/31/2009
Date Data Arrived at EDR: 08/31/2009
Date Made Active in Reports: 09/18/2009
Number of Days to Update: 18

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 09/13/2010
Next Scheduled EDR Contact: 11/29/2010
Data Release Frequency: Annually

SOLANO COUNTY:

Leaking Underground Storage Tanks

A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 09/07/2010
Date Data Arrived at EDR: 09/10/2010
Date Made Active in Reports: 09/29/2010
Number of Days to Update: 19

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 09/07/2010
Next Scheduled EDR Contact: 12/20/2010
Data Release Frequency: Quarterly

Underground Storage Tanks

Underground storage tank sites located in Solano county.

Date of Government Version: 06/07/2010
Date Data Arrived at EDR: 06/23/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 16

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 09/07/2010
Next Scheduled EDR Contact: 12/20/2010
Data Release Frequency: Quarterly

SONOMA COUNTY:

Leaking Underground Storage Tank Sites

A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 07/12/2010
Date Data Arrived at EDR: 07/13/2010
Date Made Active in Reports: 08/12/2010
Number of Days to Update: 30

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 07/07/2010
Next Scheduled EDR Contact: 10/18/2010
Data Release Frequency: Quarterly

SUTTER COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Underground Storage Tanks

Underground storage tank sites located in Sutter county.

Date of Government Version: 07/21/2010
Date Data Arrived at EDR: 07/22/2010
Date Made Active in Reports: 08/12/2010
Number of Days to Update: 21

Source: Sutter County Department of Agriculture
Telephone: 530-822-7500
Last EDR Contact: 09/13/2010
Next Scheduled EDR Contact: 12/27/2010
Data Release Frequency: Semi-Annually

VENTURA COUNTY:

Business Plan, Hazardous Waste Producers, and Operating Underground Tanks

The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 07/26/2010
Date Data Arrived at EDR: 09/01/2010
Date Made Active in Reports: 09/29/2010
Number of Days to Update: 28

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 08/24/2010
Next Scheduled EDR Contact: 12/06/2010
Data Release Frequency: Quarterly

Inventory of Illegal Abandoned and Inactive Sites

Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 08/01/2009
Date Data Arrived at EDR: 10/05/2009
Date Made Active in Reports: 10/13/2009
Number of Days to Update: 8

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 09/27/2010
Next Scheduled EDR Contact: 11/15/2010
Data Release Frequency: Annually

Listing of Underground Tank Cleanup Sites

Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008
Date Data Arrived at EDR: 06/24/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 37

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 08/24/2010
Next Scheduled EDR Contact: 12/06/2010
Data Release Frequency: Quarterly

Underground Tank Closed Sites List

Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 05/26/2010
Date Data Arrived at EDR: 06/24/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 15

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 09/21/2010
Next Scheduled EDR Contact: 01/03/2011
Data Release Frequency: Quarterly

YOLO COUNTY:

Underground Storage Tank Comprehensive Facility Report

Underground storage tank sites located in Yolo county.

Date of Government Version: 04/07/2010
Date Data Arrived at EDR: 04/13/2010
Date Made Active in Reports: 05/18/2010
Number of Days to Update: 35

Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 09/27/2010
Next Scheduled EDR Contact: 01/10/2011
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 12/31/2007
Date Data Arrived at EDR: 08/26/2009
Date Made Active in Reports: 09/11/2009
Number of Days to Update: 16

Source: Department of Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 08/25/2010
Next Scheduled EDR Contact: 12/06/2010
Data Release Frequency: Annually

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 07/22/2010
Date Made Active in Reports: 08/26/2010
Number of Days to Update: 35

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 07/22/2010
Next Scheduled EDR Contact: 11/01/2010
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 07/28/2010
Date Data Arrived at EDR: 08/11/2010
Date Made Active in Reports: 09/24/2010
Number of Days to Update: 44

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 08/11/2010
Next Scheduled EDR Contact: 11/22/2010
Data Release Frequency: Annually

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2008
Date Data Arrived at EDR: 12/01/2009
Date Made Active in Reports: 12/14/2009
Number of Days to Update: 13

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 08/23/2010
Next Scheduled EDR Contact: 12/06/2010
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 07/19/2010
Date Made Active in Reports: 08/26/2010
Number of Days to Update: 38

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 08/30/2010
Next Scheduled EDR Contact: 12/13/2010
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 07/06/2010
Date Made Active in Reports: 07/26/2010
Number of Days to Update: 20

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 09/20/2010
Next Scheduled EDR Contact: 01/03/2011
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data

Source: Rextag Strategies Corp.

Telephone: (281) 769-2247

U.S. Electric Transmission and Power Plants Systems Digital GIS Data

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities

Source: Department of Social Services

Telephone: 916-657-4041

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2009 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

STREET AND ADDRESS INFORMATION

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GEOCHECK[®] - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

SAN FRANCISCO AVE/W ANAHEIM ST
929 W ANAHEIM ST
LONG BEACH, CA 90813

TARGET PROPERTY COORDINATES

Latitude (North):	33.78590 - 33° 47' 9.2"
Longitude (West):	118.2037 - 118° 12' 13.3"
Universal Transverse Mercator:	Zone 11
UTM X (Meters):	388557.2
UTM Y (Meters):	3738874.8
Elevation:	13 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	33118-G2 LONG BEACH, CA
Most Recent Revision:	1964

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

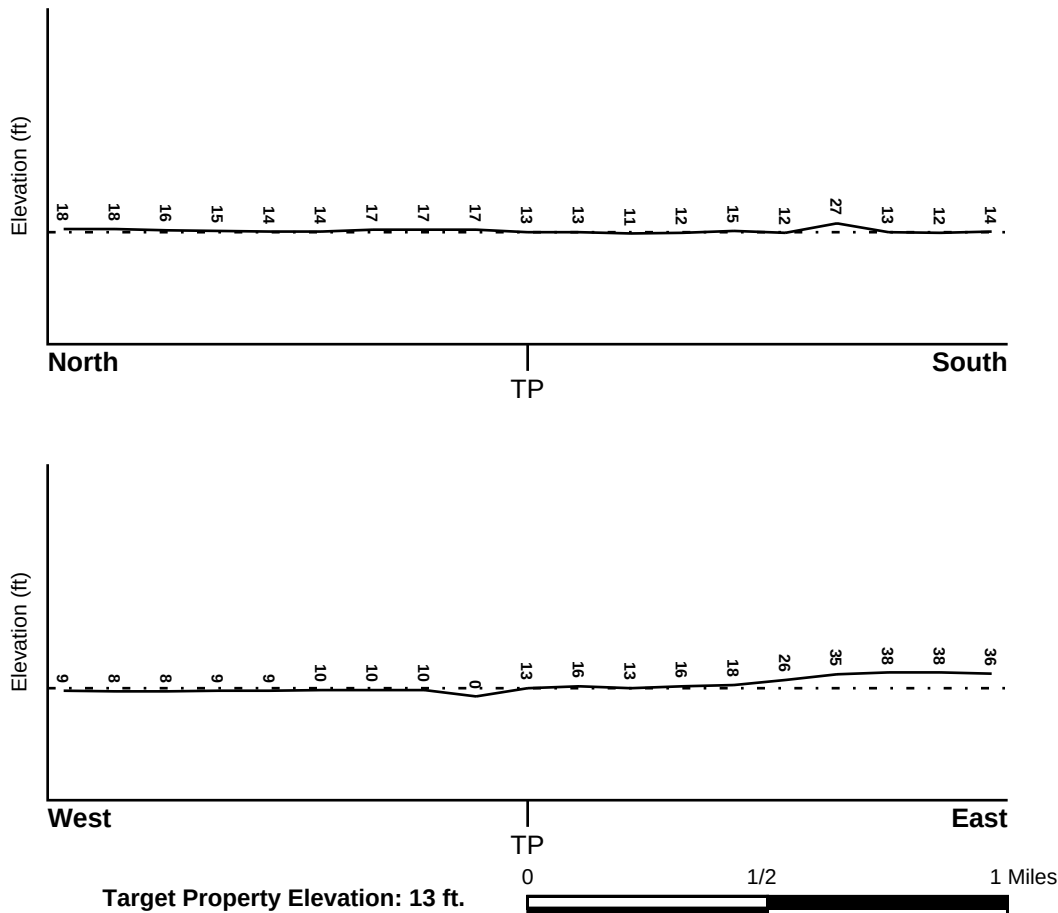
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General SW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

<u>Target Property County</u>	<u>FEMA Flood</u>
LOS ANGELES, CA	<u>Electronic Data</u>
	YES - refer to the Overview Map and Detail Map
Flood Plain Panel at Target Property:	06037C - FEMA DFIRM Flood data
Additional Panels in search area:	Not Reported

NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u>	<u>NWI Electronic</u>
NORTH LONG BEACH (OE)	<u>Data Coverage</u>
	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data:*

Search Radius:	1.25 miles
Location Relative to TP:	1/2 - 1 Mile West
Site Name:	CROSBY & OVERTON
Site EPA ID Number:	CAD028409019
Surficial Aquifer Flow Dir.:	NOT AVAILABLE FOR THE PERCHED AQUIFER.
Measured Depth to Water:	10.5 to 11.5 feet in the perched zone.
Hydraulic Connection:	The site is underlain by fine sand with mica to 9 feet, 2 feet of clay, and fine sand with mica to a depth of 20 feet at the terminus of borings. The perched aquifer zone at the site is saline and is fed by the Pacific Ocean.
Sole Source Aquifer:	No information about a sole source aquifer is available
Data Quality:	Information based on site-specific subsurface investigations is documented in the CERCLIS investigation report(s)

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

<u>MAP ID</u>	<u>LOCATION</u>	<u>GENERAL DIRECTION</u>
	<u>FROM TP</u>	<u>GROUNDWATER FLOW</u>

* ©1996 Site-specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
1	1/8 - 1/4 Mile ESE	SW
2	1/4 - 1/2 Mile SSE	SSE
3	1/4 - 1/2 Mile WNW	NW
4	1/4 - 1/2 Mile NE	NNW
5	1/4 - 1/2 Mile NW	N
10	1/2 - 1 Mile ESE	Not Reported
11	1/2 - 1 Mile WSW	Varies
12	1/2 - 1 Mile West	Not Reported
15	1/2 - 1 Mile West	NNW
16	1/2 - 1 Mile ENE	SW

For additional site information, refer to Physical Setting Source Map Findings.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

Era: Cenozoic
System: Quaternary
Series: Quaternary
Code: Q (decoded above as Era, System & Series)

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name: URBAN LAND

Soil Surface Texture: variable

Hydrologic Group: Not reported

Soil Drainage Class: Not reported

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 10 inches

Depth to Bedrock Max: > 10 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Permeability Rate (in/hr)	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	6 inches	variable	Not reported	Not reported	Max: 0.00 Min: 0.00	Max: 0.00 Min: 0.00

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: loam
clay
silt loam
loamy sand
sandy loam
fine sand
clay loam
gravelly - sandy loam
coarse sand
gravelly - sand
sand

Surficial Soil Types: loam
clay
silt loam
loamy sand
sandy loam
fine sand
clay loam
gravelly - sandy loam
coarse sand
gravelly - sand
sand

Shallow Soil Types: fine sandy loam
gravelly - loam
sand
silty clay

Deeper Soil Types: stratified
clay loam
silty clay loam
gravelly - sandy loam
coarse sand
sand
weathered bedrock
very fine sandy loam

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
A6	USGS3156948	1/4 - 1/2 Mile West
A7	USGS3156949	1/4 - 1/2 Mile West
B13	USGS3156982	1/2 - 1 Mile NW
B14	USGS3156983	1/2 - 1 Mile NW

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
A8	CADW40000005681	1/2 - 1 Mile West
A9	CADW40000005682	1/2 - 1 Mile West
B17	CADW40000005722	1/2 - 1 Mile NW

OTHER STATE DATABASE INFORMATION

STATE OIL/GAS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
A1	CAOG60000016155	1/8 - 1/4 Mile West
A2	CAOG60000016151	1/8 - 1/4 Mile West
A3	CAOG60000016149	1/8 - 1/4 Mile West
A4	CAOG60000016140	1/8 - 1/4 Mile West
A5	CAOG60000016136	1/8 - 1/4 Mile WSW
A6	CAOG60000016131	1/8 - 1/4 Mile WSW
A7	CAOG60000016129	1/8 - 1/4 Mile WSW
A8	CAOG60000016127	1/8 - 1/4 Mile WSW
A9	CAOG60000016124	1/8 - 1/4 Mile WSW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A10	CAOG60000016118	1/8 - 1/4 Mile WSW
A11	CAOG60000016115	1/8 - 1/4 Mile WSW
A12	CAOG60000016111	1/8 - 1/4 Mile WSW
A13	CAOG60000016107	1/8 - 1/4 Mile WSW
A14	CAOG60000016105	1/8 - 1/4 Mile WSW
A15	CAOG60000016102	1/8 - 1/4 Mile WSW
A16	CAOG60000016101	1/8 - 1/4 Mile WSW
A17	CAOG60000016100	1/8 - 1/4 Mile WSW
A18	CAOG60000016098	1/8 - 1/4 Mile WSW
A19	CAOG60000016097	1/8 - 1/4 Mile WSW
A20	CAOG60000016096	1/8 - 1/4 Mile WSW
A21	CAOG60000016159	1/8 - 1/4 Mile West
A22	CAOG60000016157	1/8 - 1/4 Mile West
A23	CAOG60000016154	1/8 - 1/4 Mile West
A24	CAOG60000016150	1/8 - 1/4 Mile West
A25	CAOG60000016147	1/8 - 1/4 Mile West
A26	CAOG60000016138	1/8 - 1/4 Mile West
A27	CAOG60000016135	1/8 - 1/4 Mile West
A28	CAOG60000016132	1/8 - 1/4 Mile West
A29	CAOG60000016130	1/8 - 1/4 Mile WSW
A30	CAOG60000016128	1/8 - 1/4 Mile WSW
A31	CAOG60000016125	1/8 - 1/4 Mile WSW
A32	CAOG60000016122	1/8 - 1/4 Mile WSW
A33	CAOG60000016117	1/8 - 1/4 Mile WSW
A34	CAOG60000016113	1/8 - 1/4 Mile WSW
A35	CAOG60000016108	1/8 - 1/4 Mile WSW
36	CAOG60000016173	1/4 - 1/2 Mile West
B37	CAOG60000015822	1/4 - 1/2 Mile SSW
B38	CAOG60000015811	1/4 - 1/2 Mile SSW
B39	CAOG60000015814	1/4 - 1/2 Mile SSW
C40	CAOG60000015735	1/4 - 1/2 Mile SSW
C41	CAOG60000015730	1/4 - 1/2 Mile SSW
C42	CAOG60000015729	1/4 - 1/2 Mile SSW
C43	CAOG60000015753	1/4 - 1/2 Mile SSW
C44	CAOG60000015724	1/4 - 1/2 Mile SSW
C45	CAOG60000015722	1/4 - 1/2 Mile SSW
C46	CAOG60000015713	1/4 - 1/2 Mile SSW
C47	CAOG60000015710	1/4 - 1/2 Mile SSW
C48	CAOG60000015708	1/4 - 1/2 Mile SSW
D49	CAOG60000015755	1/4 - 1/2 Mile SW
C50	CAOG60000015685	1/2 - 1 Mile SSW
E51	CAOG60000015860	1/2 - 1 Mile SW
F52	CAOG60000015680	1/2 - 1 Mile SSW
C53	CAOG60000015649	1/2 - 1 Mile SSW
G54	CAOG60000015766	1/2 - 1 Mile SW
F55	CAOG60000015644	1/2 - 1 Mile SSW
D56	CAOG60000015690	1/2 - 1 Mile SSW
D57	CAOG60000015695	1/2 - 1 Mile SSW
D58	CAOG60000015688	1/2 - 1 Mile SSW
D59	CAOG60000015687	1/2 - 1 Mile SSW
G60	CAOG60000015698	1/2 - 1 Mile SW
G61	CAOG60000015707	1/2 - 1 Mile SW
F62	CAOG60000015635	1/2 - 1 Mile SSW
E63	CAOG60000015783	1/2 - 1 Mile SW
H64	CAOG60000015587	1/2 - 1 Mile SSW
I65	CAOG60000015658	1/2 - 1 Mile SW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
I66	CAOG60000015629	1/2 - 1 Mile SSW
H67	CAOG60000015540	1/2 - 1 Mile SSW
68	CAOG60000016674	1/2 - 1 Mile NE
H69	CAOG60000015532	1/2 - 1 Mile SSW
J70	CAOG60000015784	1/2 - 1 Mile SW
I71	CAOG60000015677	1/2 - 1 Mile SW
H72	CAOG60000015528	1/2 - 1 Mile SSW
H73	CAOG60000015522	1/2 - 1 Mile SSW
H74	CAOG60000015515	1/2 - 1 Mile SSW
H75	CAOG60000015505	1/2 - 1 Mile SSW
H76	CAOG60000015503	1/2 - 1 Mile SSW
J77	CAOG60000015830	1/2 - 1 Mile WSW
K78	CAOG60000015701	1/2 - 1 Mile SW
K79	CAOG60000015697	1/2 - 1 Mile SW
L80	CAOG60000015479	1/2 - 1 Mile SSW
M81	CAOG60000015461	1/2 - 1 Mile SSW
M82	CAOG60000015457	1/2 - 1 Mile SSW
M83	CAOG60000015446	1/2 - 1 Mile SSW
L84	CAOG60000015494	1/2 - 1 Mile SSW
N85	CAOG60000015531	1/2 - 1 Mile SSW
N86	CAOG60000015508	1/2 - 1 Mile SSW
O87	CAOG60000015797	1/2 - 1 Mile WSW
P88	CAOG60000015913	1/2 - 1 Mile WSW
O89	CAOG60000015734	1/2 - 1 Mile SW
K90	CAOG60000015678	1/2 - 1 Mile SW
L91	CAOG60000015427	1/2 - 1 Mile SSW
L92	CAOG60000015463	1/2 - 1 Mile SSW
O93	CAOG60000015808	1/2 - 1 Mile WSW
L94	CAOG60000015451	1/2 - 1 Mile SSW
L95	CAOG60000015443	1/2 - 1 Mile SSW
O96	CAOG60000015763	1/2 - 1 Mile WSW
M97	CAOG60000015339	1/2 - 1 Mile SSW
Q98	CAOG60000015330	1/2 - 1 Mile SSW
Q99	CAOG60000015325	1/2 - 1 Mile SSW
Q100	CAOG60000015311	1/2 - 1 Mile SSW
R101	CAOG60000015575	1/2 - 1 Mile SW
P102	CAOG60000015839	1/2 - 1 Mile WSW
Q103	CAOG60000015309	1/2 - 1 Mile SSW
Q104	CAOG60000015303	1/2 - 1 Mile SSW
Q105	CAOG60000015299	1/2 - 1 Mile SSW
S106	CAOG60000015706	1/2 - 1 Mile SW
Q107	CAOG60000015293	1/2 - 1 Mile SSW
Q108	CAOG60000015286	1/2 - 1 Mile SSW
Q109	CAOG60000015285	1/2 - 1 Mile SSW
Q110	CAOG60000015279	1/2 - 1 Mile SSW
Q111	CAOG60000015275	1/2 - 1 Mile SSW
T112	CAOG60000015779	1/2 - 1 Mile WSW
U113	CAOG60000015336	1/2 - 1 Mile SSW
Q114	CAOG60000015266	1/2 - 1 Mile SSW
Q115	CAOG60000015257	1/2 - 1 Mile SSW
V116	CAOG60000015987	1/2 - 1 Mile WSW
Q117	CAOG60000015246	1/2 - 1 Mile SSW
118	CAOG60000016731	1/2 - 1 Mile NW
U119	CAOG60000015360	1/2 - 1 Mile SSW
Q120	CAOG60000015241	1/2 - 1 Mile SSW
W121	CAOG60000015876	1/2 - 1 Mile WSW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
Q122	CAOG60000015236	1/2 - 1 Mile SSW
Q123	CAOG60000015233	1/2 - 1 Mile SSW
Q124	CAOG60000015228	1/2 - 1 Mile SSW
Q125	CAOG60000015219	1/2 - 1 Mile SSW
Q126	CAOG60000015215	1/2 - 1 Mile SSW
T127	CAOG60000015746	1/2 - 1 Mile WSW
S128	CAOG60000015657	1/2 - 1 Mile SW
Q129	CAOG60000015210	1/2 - 1 Mile SSW
T130	CAOG60000015812	1/2 - 1 Mile WSW
Q131	CAOG60000015198	1/2 - 1 Mile SSW
V132	CAOG60000015930	1/2 - 1 Mile WSW
X133	CAOG60000015166	1/2 - 1 Mile SSW
R134	CAOG60000015511	1/2 - 1 Mile SW
X135	CAOG60000015141	1/2 - 1 Mile South
Y136	CAOG60000015693	1/2 - 1 Mile WSW
V137	CAOG60000015989	1/2 - 1 Mile WSW
X138	CAOG60000015133	1/2 - 1 Mile South
X139	CAOG60000015123	1/2 - 1 Mile South
W140	CAOG60000015887	1/2 - 1 Mile WSW
Z141	CAOG60000015171	1/2 - 1 Mile SSW
X142	CAOG60000015119	1/2 - 1 Mile South
143	CAOG60000015520	1/2 - 1 Mile SW
X144	CAOG60000015112	1/2 - 1 Mile South
Z145	CAOG60000015158	1/2 - 1 Mile SSW
Z146	CAOG60000015151	1/2 - 1 Mile SSW
AA147	CAOG60000015250	1/2 - 1 Mile SSW
X148	CAOG60000015105	1/2 - 1 Mile South
X149	CAOG60000015099	1/2 - 1 Mile South
150	CAOG60000015432	1/2 - 1 Mile SW
X151	CAOG60000015113	1/2 - 1 Mile SSW
X152	CAOG60000015095	1/2 - 1 Mile South
AA153	CAOG60000015282	1/2 - 1 Mile SSW
X154	CAOG60000015085	1/2 - 1 Mile South
X155	CAOG60000015079	1/2 - 1 Mile South
AB156	CAOG60000015591	1/2 - 1 Mile SW
X157	CAOG60000015075	1/2 - 1 Mile South
AC158	CAOG60000015944	1/2 - 1 Mile WSW
X159	CAOG60000015066	1/2 - 1 Mile South
AD160	CAOG60000015828	1/2 - 1 Mile WSW
X161	CAOG60000015053	1/2 - 1 Mile South
Y162	CAOG60000015717	1/2 - 1 Mile WSW
Z163	CAOG60000015156	1/2 - 1 Mile SSW
X164	CAOG60000015047	1/2 - 1 Mile South
AE165	CAOG60000016009	1/2 - 1 Mile West
AB166	CAOG60000015566	1/2 - 1 Mile SW
AE167	CAOG60000016040	1/2 - 1 Mile West
AF168	CAOG60000015283	1/2 - 1 Mile SSW
X169	CAOG60000015011	1/2 - 1 Mile South
AB170	CAOG60000015552	1/2 - 1 Mile SW
AC171	CAOG60000015980	1/2 - 1 Mile WSW
AB172	CAOG60000015562	1/2 - 1 Mile SW
AC173	CAOG60000015903	1/2 - 1 Mile WSW
AB174	CAOG60000015558	1/2 - 1 Mile SW
AB175	CAOG60000015555	1/2 - 1 Mile SW
AB176	CAOG60000015557	1/2 - 1 Mile SW
AF177	CAOG60000015268	1/2 - 1 Mile SSW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
AB178	CAOG60000015564	1/2 - 1 Mile SW
AC179	CAOG60000015866	1/2 - 1 Mile WSW
Y180	CAOG60000015682	1/2 - 1 Mile WSW
AB181	CAOG60000015608	1/2 - 1 Mile SW
AE182	CAOG60000016049	1/2 - 1 Mile West
AF183	CAOG60000015242	1/2 - 1 Mile SSW
AG184	CAOG60000015742	1/2 - 1 Mile WSW
AD185	CAOG60000015853	1/2 - 1 Mile WSW
AH186	CAOG60000015407	1/2 - 1 Mile SW
AF187	CAOG60000015162	1/2 - 1 Mile SSW
AE188	CAOG60000015973	1/2 - 1 Mile WSW
AE189	CAOG60000016035	1/2 - 1 Mile West
AI190	CAOG60000014857	1/2 - 1 Mile South
191	CAOG60000015871	1/2 - 1 Mile WSW
AI192	CAOG60000014871	1/2 - 1 Mile SSW
193	CAOG60000016235	1/2 - 1 Mile West
AJ194	CAOG60000015484	1/2 - 1 Mile SW
AH195	CAOG60000015390	1/2 - 1 Mile SW
AK196	CAOG60000015155	1/2 - 1 Mile SSW
AJ197	CAOG60000015561	1/2 - 1 Mile SW
AK198	CAOG60000015192	1/2 - 1 Mile SW
AG199	CAOG60000015662	1/2 - 1 Mile WSW
200	CAOG60000015988	1/2 - 1 Mile West

PHYSICAL SETTING SOURCE MAP - 02881976.2r



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME: San Francisco Ave/W Anaheim St
 ADDRESS: 929 W Anaheim St
 Long Beach CA 90813
 LAT/LONG: 33.7859 / 118.2037

CLIENT: SCS Engineers
 CONTACT: Loran Bures
 INQUIRY #: 02881976.2r
 DATE: September 29, 2010 4:48 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

1 ESE 1/8 - 1/4 Mile Higher	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	908130325 SW 13 15 Not Reported 05/06/1998	AQUIFLOW	70540
--	---	---	-----------------	--------------

2 SSE 1/4 - 1/2 Mile Lower	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	908130252 SSE 8 9 Not Reported 05/15/1995	AQUIFLOW	70497
---	---	--	-----------------	--------------

3 WNW 1/4 - 1/2 Mile Lower	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	908130516 NW 13.68 14.59 Not Reported 10/15/1990	AQUIFLOW	70491
---	---	---	-----------------	--------------

4 NE 1/4 - 1/2 Mile Higher	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	908061052 NNW 11.52 14.60 Not Reported 12/01/1993	AQUIFLOW	70542
---	---	--	-----------------	--------------

5 NW 1/4 - 1/2 Mile Higher	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	907440061 N 47.77 50.8 Not Reported 06/30/1999	AQUIFLOW	70501
---	---	---	-----------------	--------------

A6 West 1/4 - 1/2 Mile Lower			FED USGS	USGS3156948
---	--	--	-----------------	--------------------

Agency cd:	USGS	Site no:	334712118124301
Site name:	004S013W35B002S	EDR Site id:	USGS3156948
Latitude:	334711.58	Dec lat:	33.78655
Longitude:	1181243.07	Coor meth:	G
Dec lon:	-118.21196389	Latlong datum:	NAD83
Coor accr:	5	District:	06
Dec latlong datum:	NAD83	County:	037
State:	06	Land net:	Not Reported
Country:	US	Map scale:	24000
Location map:	LONG BEACH		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Altitude:	6.7		
Altitude method:	Level or other surveying method		
Altitude accuracy:	0.1		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Not Reported		
Topographic:	Flat surface		
Site type:	Ground-water other than Spring	Date construction:	19591007
Date inventoried:	19990318	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	713	Hole depth:	1005
Source of depth data:	owner		
Project number:	470651200		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1999-03-18
Water quality data end date:	1999-03-18	Water quality data count:	1
Ground water data begin date:	1999-03-18	Ground water data end date:	1999-03-18
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1999-03-18	78.83	

A7
West
1/4 - 1/2 Mile
Lower

FED USGS USGS3156949

Agency cd:	USGS	Site no:	334712118124302
Site name:	004S013W35B003S		
Latitude:	334711.58	EDR Site id:	USGS3156949
Longitude:	1181243.07	Dec lat:	33.78655
Dec lon:	-118.21196389	Coor meth:	G
Coor accr:	5	Latlong datum:	NAD83
Dec latlong datum:	NAD83	District:	06
State:	06	County:	037
Country:	US	Land net:	Not Reported
Location map:	LONG BEACH	Map scale:	24000
Altitude:	6.7		
Altitude method:	Level or other surveying method		
Altitude accuracy:	0.1		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Not Reported		
Topographic:	Flat surface		
Site type:	Ground-water other than Spring	Date construction:	19591008
Date inventoried:	19990318	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	398	Hole depth:	405
Source of depth data:	owner		
Project number:	470651200		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Peak flow data count: 0
 Water quality data end date: 1999-03-19
 Ground water data begin date: 1999-03-18
 Ground water data count: 1

Water quality data begin date: 1999-03-19
 Water quality data count: 1
 Ground water data end date: 1999-03-18

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1999-03-18	23	

A8
West
1/2 - 1 Mile
Lower

CA WELLS **CADW40000005681**

Longitude: -118.212
 Latitude: 33.7866
 Stwellno: 04S13W35B002S
 Districtco: 3
 Welluseco: Z
 Countyco: 19
 Gwcode: 401103
 Site id: CADW40000005681

A9
West
1/2 - 1 Mile
Lower

CA WELLS **CADW40000005682**

Longitude: -118.212
 Latitude: 33.7866
 Stwellno: 04S13W35B003S
 Districtco: 3
 Welluseco: Z
 Countyco: 19
 Gwcode: 401103
 Site id: CADW40000005682

10
ESE
1/2 - 1 Mile
Higher

Site ID: 908130470
 Groundwater Flow: Not Reported
 Shallow Water Depth: Not Reported
 Deep Water Depth: Not Reported
 Average Water Depth: 30
 Date: 06/22/1993

AQUIFLOW **70528**

11
WSW
1/2 - 1 Mile
Lower

Site ID: 908130234
 Groundwater Flow: Varies
 Shallow Water Depth: 9
 Deep Water Depth: 11
 Average Water Depth: Not Reported
 Date: 05/25/1999

AQUIFLOW **70499**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

12
West
1/2 - 1 Mile
Lower

Site ID:	90803125		
Groundwater Flow:	Not Reported	AQUIFLOW	55247
Shallow Water Depth:	7		
Deep Water Depth:	14		
Average Water Depth:	Not Reported		
Date:	10/1987		

B13
NW
1/2 - 1 Mile
Higher

FED USGS USGS3156982

Agency cd:	USGS	Site no:	334749118124901
Site name:	004S013W26F005S		
Latitude:	334749.46	EDR Site id:	USGS3156982
Longitude:	1181248.93	Dec lat:	33.79707222
Dec lon:	-118.21359167	Coor meth:	G
Coor accr:	5	Latlong datum:	NAD83
Dec latlong datum:	NAD83	District:	06
State:	06	County:	037
Country:	US	Land net:	Not Reported
Location map:	LONG BEACH	Map scale:	24000
Altitude:	12.5		
Altitude method:	Level or other surveying method		
Altitude accuracy:	0.1		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Not Reported		
Topographic:	Flat surface		
Site type:	Ground-water other than Spring	Date construction:	19591217
Date inventoried:	19990204	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	500	Hole depth:	975
Source of depth data:	owner		
Project number:	470651200		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1999-02-04
Water quality data end date:	1999-02-04	Water quality data count:	1
Ground water data begin date:	1999-02-04	Ground water data end date:	1999-02-04
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1999-02-04	84.05	

B14
NW
1/2 - 1 Mile
Higher

FED USGS USGS3156983

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency cd:	USGS	Site no:	334750118124901
Site name:	004S013W26F006S		
Latitude:	334750.14	EDR Site id:	USGS3156983
Longitude:	1181248.96	Dec lat:	33.79726111
Dec lon:	-118.2136	Coor meth:	G
Coor accr:	5	Latlong datum:	NAD83
Dec latlong datum:	NAD83	District:	06
State:	06	County:	037
Country:	US	Land net:	Not Reported
Location map:	LONG BEACH	Map scale:	24000
Altitude:	12.9		
Altitude method:	Level or other surveying method		
Altitude accuracy:	0.1		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Not Reported		
Topographic:	Flat surface		
Site type:	Ground-water other than Spring	Date construction:	19591218
Date inventoried:	19990204	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	262	Hole depth:	266
Source of depth data:	owner		
Project number:	071999200		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1999-02-04
Water quality data end date:	1999-02-04	Water quality data count:	1
Ground water data begin date:	1999-02-04	Ground water data end date:	1999-02-04
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1999-02-04	30.43	

15
West
1/2 - 1 Mile
Lower

Site ID:	90813027
Groundwater Flow:	NNW
Shallow Water Depth:	12.69
Deep Water Depth:	13.29
Average Water Depth:	Not Reported
Date:	03/15/1996

AQUIFLOW 70475

16
ENE
1/2 - 1 Mile
Higher

Site ID:	0023
Groundwater Flow:	SW
Shallow Water Depth:	22.01
Deep Water Depth:	36.53
Average Water Depth:	Not Reported
Date:	11/21/1995

AQUIFLOW 69242

B17
NW
1/2 - 1 Mile
Higher

CA WELLS CADW40000005722

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Longitude:	-118.2136
Latitude:	33.7971
Stwellno:	04S13W26F005S
Districtco:	3
Welluseco:	Z
Countyco:	19
Gwcode:	401103
Site id:	CADW40000005722

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

A1

West

1/8 - 1/4 Mile

OIL_GAS

CAOG60000016155

Apinumber:	03703753	Operator:	Tidelands Oil Production Co.
Lease:	Not Reported	Well no:	578-W
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	131	Status cod:	037
Source:	gps		
Latitude27:	33.785468		
Longitude2:	-118.20593		
Latitude83:	33.785486		
Longitude8:	-118.206832		
Td:	0		
Sec:	35		
Twn:	4S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000016155

A2

West

1/8 - 1/4 Mile

OIL_GAS

CAOG60000016151

Apinumber:	03703752	Operator:	Tidelands Oil Production Co.
Lease:	Not Reported	Well no:	M970E
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	131	Status cod:	009
Source:	gps		
Latitude27:	33.785437		
Longitude2:	-118.205932		
Latitude83:	33.785455		
Longitude8:	-118.206834		
Td:	0		
Sec:	35		
Twn:	4S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000016151

A3

West

1/8 - 1/4 Mile

OIL_GAS

CAOG60000016149

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Apinumber:	03703233	Operator:	Mobil Oil Corp.
Lease:	Not Reported	Well no:	588-W
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	131	Status cod:	135
Source:	gps		
Latitude27:	33.785402		
Longitude2:	-118.205927		
Latitude83:	33.78542		
Longitude8:	-118.206829		
Td:	0		
Sec:	35		
Twon:	4S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000016149

A4 West 1/8 - 1/4 Mile

OIL_GAS CAOG60000016140

Apinumber:	03703750	Operator:	Tidelands Oil Production Co.
Lease:	Not Reported	Well no:	M963E
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	131	Status cod:	009
Source:	gps		
Latitude27:	33.785373		
Longitude2:	-118.205927		
Latitude83:	33.785391		
Longitude8:	-118.206829		
Td:	0		
Sec:	35		
Twon:	4S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000016140

A5 WSW 1/8 - 1/4 Mile

OIL_GAS CAOG60000016136

Apinumber:	03703232	Operator:	Tidelands Oil Production Co.
Lease:	Not Reported	Well no:	587-W
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	131	Status cod:	137
Source:	gps		
Latitude27:	33.785341		
Longitude2:	-118.205931		
Latitude83:	33.785359		
Longitude8:	-118.206833		
Td:	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sec:	35	Rge:	13W
Twn:	4S		
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000016136

A6 WSW 1/8 - 1/4 Mile

OIL_GAS CAOG60000016131

Apinumber:	03703749	Operator:	Tidelands Oil Production Co.
Lease:	Not Reported	Well no:	M962E
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	131	Status cod:	009
Source:	gps		
Latitude27:	33.785281		
Longitude2:	-118.205934		
Latitude83:	33.785299		
Longitude8:	-118.206836		
Td:	0		
Sec:	35	Rge:	13W
Twn:	4S		
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000016131

A7 WSW 1/8 - 1/4 Mile

OIL_GAS CAOG60000016129

Apinumber:	03703229	Operator:	Tidelands Oil Production Co.
Lease:	Not Reported	Well no:	558-W
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	131	Status cod:	135
Source:	gps		
Latitude27:	33.785256		
Longitude2:	-118.205936		
Latitude83:	33.785274		
Longitude8:	-118.206838		
Td:	0		
Sec:	35	Rge:	13W
Twn:	4S		
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000016129

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

A8

WSW

1/8 - 1/4 Mile

OIL_GAS

CAOG60000016127

Apinumber:	03703748	Operator:	Tidelands Oil Production Co.
Lease:	Not Reported	Well no:	M961E
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	131	Status cod:	009
Source:	gps		
Latitude27:	33.785227		
Longitude2:	-118.205938		
Latitude83:	33.785245		
Longitude8:	-118.20684		
Td:	0		
Sec:	35		
Twn:	4S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000016127

A9

WSW

1/8 - 1/4 Mile

OIL_GAS

CAOG60000016124

Apinumber:	03703230	Operator:	Mobil Oil Corp.
Lease:	Not Reported	Well no:	581-W
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	131	Status cod:	135
Source:	hud		
Latitude27:	33.785198		
Longitude2:	-118.205945		
Latitude83:	33.785216		
Longitude8:	-118.206847		
Td:	0		
Sec:	35		
Twn:	4S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000016124

A10

WSW

1/8 - 1/4 Mile

OIL_GAS

CAOG60000016118

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Apinumber:	03703747	Operator:	Tidelands Oil Production Co.
Lease:	Not Reported	Well no:	M960E
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	131	Status cod:	009
Source:	gps		
Latitude27:	33.785162		
Longitude2:	-118.205937		
Latitude83:	33.78518		
Longitude8:	-118.206839		
Td:	0		
Sec:	35		
Twn:	4S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000016118

A11 WSW 1/8 - 1/4 Mile

OIL_GAS CAOG60000016115

Apinumber:	03703228	Operator:	Tidelands Oil Production Co.
Lease:	Not Reported	Well no:	556-W
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	131	Status cod:	035
Source:	gps		
Latitude27:	33.785131		
Longitude2:	-118.20593		
Latitude83:	33.785149		
Longitude8:	-118.206832		
Td:	0		
Sec:	35		
Twn:	4S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000016115

A12 WSW 1/8 - 1/4 Mile

OIL_GAS CAOG60000016111

Apinumber:	03703746	Operator:	Tidelands Oil Production Co.
Lease:	Not Reported	Well no:	M959E
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	131	Status cod:	015
Source:	gps		
Latitude27:	33.7851		
Longitude2:	-118.20593		
Latitude83:	33.785118		
Longitude8:	-118.206832		
Td:	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sec:	35	Rge:	13W
Twn:	4S		
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000016111

A13 WSW 1/8 - 1/4 Mile

OIL_GAS CAOG60000016107

Apinumber:	03703745	Operator:	Tidelands Oil Production Co.
Lease:	Not Reported	Well no:	M958E
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	131	Status cod:	009
Source:	gps		
Latitude27:	33.785076		
Longitude2:	-118.205936		
Latitude83:	33.785094		
Longitude8:	-118.206838		
Td:	0		
Sec:	35	Rge:	13W
Twn:	4S		
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000016107

A14 WSW 1/8 - 1/4 Mile

OIL_GAS CAOG60000016105

Apinumber:	03703744	Operator:	Tidelands Oil Production Co.
Lease:	Not Reported	Well no:	M957E
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	131	Status cod:	009
Source:	gps		
Latitude27:	33.785041		
Longitude2:	-118.205937		
Latitude83:	33.785059		
Longitude8:	-118.206839		
Td:	0		
Sec:	35	Rge:	13W
Twn:	4S		
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000016105

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

A15
WSW
1/8 - 1/4 Mile

OIL_GAS CAOG60000016102

Apinumber:	03703743	Operator:	Tidelands Oil Production Co.
Lease:	Not Reported	Well no:	M956E
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	131	Status cod:	009
Source:	gps		
Latitude27:	33.785014		
Longitude2:	-118.205942		
Latitude83:	33.785032		
Longitude8:	-118.206844		
Td:	0		
Sec:	35		
Twn:	4S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000016102

A16
WSW
1/8 - 1/4 Mile

OIL_GAS CAOG60000016101

Apinumber:	03703742	Operator:	Tidelands Oil Production Co.
Lease:	Not Reported	Well no:	M955E
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	131	Status cod:	009
Source:	gps		
Latitude27:	33.784987		
Longitude2:	-118.20594		
Latitude83:	33.785005		
Longitude8:	-118.206842		
Td:	0		
Sec:	35		
Twn:	4S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000016101

A17
WSW
1/8 - 1/4 Mile

OIL_GAS CAOG60000016100

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Apinumber:	03703741	Operator:	Tidelands Oil Production Co.
Lease:	Not Reported	Well no:	M954E
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	131	Status cod:	009
Source:	gps		
Latitude27:	33.784955		
Longitude2:	-118.20594		
Latitude83:	33.784973		
Longitude8:	-118.206842		
Td:	0		
Sec:	35		
Twn:	4S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000016100

A18 WSW 1/8 - 1/4 Mile

OIL_GAS CAOG60000016098

Apinumber:	03703740	Operator:	Tidelands Oil Production Co.
Lease:	Not Reported	Well no:	M953E
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	131	Status cod:	009
Source:	gps		
Latitude27:	33.784928		
Longitude2:	-118.205938		
Latitude83:	33.784946		
Longitude8:	-118.20684		
Td:	0		
Sec:	35		
Twn:	4S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000016098

A19 WSW 1/8 - 1/4 Mile

OIL_GAS CAOG60000016097

Apinumber:	03703739	Operator:	Tidelands Oil Production Co.
Lease:	Not Reported	Well no:	M952E
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	131	Status cod:	009
Source:	gps		
Latitude27:	33.784896		
Longitude2:	-118.205937		
Latitude83:	33.784914		
Longitude8:	-118.206839		
Td:	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sec:	35	Rge:	13W
Twn:	4S		
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000016097

A20 WSW 1/8 - 1/4 Mile

OIL_GAS CAOG60000016096

Apinumber:	03703738	Operator:	Tidelands Oil Production Co.
Lease:	Not Reported	Well no:	M951E
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	131	Status cod:	009
Source:	gps		
Latitude27:	33.784859		
Longitude2:	-118.205936		
Latitude83:	33.784877		
Longitude8:	-118.206838		
Td:	0		
Sec:	35	Rge:	13W
Twn:	4S		
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000016096

A21 West 1/8 - 1/4 Mile

OIL_GAS CAOG60000016159

Apinumber:	03703231	Operator:	Tidelands Oil Production Co.
Lease:	Not Reported	Well no:	585-W
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	131	Status cod:	035
Source:	gps		
Latitude27:	33.78553		
Longitude2:	-118.206278		
Latitude83:	33.785548		
Longitude8:	-118.20718		
Td:	0		
Sec:	35	Rge:	13W
Twn:	4S		
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000016159

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

A22
West
1/8 - 1/4 Mile

OIL_GAS CAOG60000016157

Apinumber:	03703736	Operator:	Tidelands Oil Production Co.
Lease:	Not Reported	Well no:	571-W
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	131	Status cod:	037
Source:	gps		
Latitude27:	33.785492		
Longitude2:	-118.206277		
Latitude83:	33.78551		
Longitude8:	-118.207179		
Td:	0		
Sec:	35		
Twn:	4S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000016157

A23
West
1/8 - 1/4 Mile

OIL_GAS CAOG60000016154

Apinumber:	03703227	Operator:	Tidelands Oil Production Co.
Lease:	Not Reported	Well no:	553-W
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	131	Status cod:	035
Source:	gps		
Latitude27:	33.785461		
Longitude2:	-118.206274		
Latitude83:	33.785479		
Longitude8:	-118.207176		
Td:	0		
Sec:	35		
Twn:	4S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000016154

A24
West
1/8 - 1/4 Mile

OIL_GAS CAOG60000016150

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Apinumber:	03703734	Operator:	Tidelands Oil Production Co.
Lease:	Not Reported	Well no:	M911E
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	131	Status cod:	009
Source:	gps		
Latitude27:	33.785425		
Longitude2:	-118.206268		
Latitude83:	33.785443		
Longitude8:	-118.20717		
Td:	0		
Sec:	35		
Twn:	4S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000016150

A25 West 1/8 - 1/4 Mile

OIL_GAS CAOG60000016147

Apinumber:	03703733	Operator:	Tidelands Oil Production Co.
Lease:	Not Reported	Well no:	560-W
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	131	Status cod:	037
Source:	gps		
Latitude27:	33.785395		
Longitude2:	-118.20627		
Latitude83:	33.785413		
Longitude8:	-118.207172		
Td:	0		
Sec:	35		
Twn:	4S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000016147

A26 West 1/8 - 1/4 Mile

OIL_GAS CAOG60000016138

Apinumber:	03703732	Operator:	Tidelands Oil Production Co.
Lease:	Not Reported	Well no:	M909E
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	131	Status cod:	009
Source:	gps		
Latitude27:	33.78536		
Longitude2:	-118.206265		
Latitude83:	33.785378		
Longitude8:	-118.207167		
Td:	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sec:	35	Rge:	13W
Twn:	4S		
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000016138

A27 West 1/8 - 1/4 Mile

OIL_GAS CAOG60000016135

Apinumber:	03703731	Operator:	Tidelands Oil Production Co.
Lease:	Not Reported	Well no:	M908E
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	131	Status cod:	009
Source:	gps		
Latitude27:	33.785336		
Longitude2:	-118.206273		
Latitude83:	33.785354		
Longitude8:	-118.207175		
Td:	0		
Sec:	35	Rge:	13W
Twn:	4S		
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000016135

A28 West 1/8 - 1/4 Mile

OIL_GAS CAOG60000016132

Apinumber:	03703730	Operator:	Tidelands Oil Production Co.
Lease:	Not Reported	Well no:	M907E
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	131	Status cod:	009
Source:	gps		
Latitude27:	33.785304		
Longitude2:	-118.206275		
Latitude83:	33.785322		
Longitude8:	-118.207177		
Td:	0		
Sec:	35	Rge:	13W
Twn:	4S		
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000016132

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

A29
WSW
1/8 - 1/4 Mile

OIL_GAS CAOG60000016130

Apinumber:	03703729	Operator:	Tidelands Oil Production Co.
Lease:	Not Reported	Well no:	M906E
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	131	Status cod:	009
Source:	gps		
Latitude27:	33.785269		
Longitude2:	-118.206275		
Latitude83:	33.785287		
Longitude8:	-118.207177		
Td:	0		
Sec:	35		
Twn:	4S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000016130

A30
WSW
1/8 - 1/4 Mile

OIL_GAS CAOG60000016128

Apinumber:	03703728	Operator:	Tidelands Oil Production Co.
Lease:	Not Reported	Well no:	M905E
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	131	Status cod:	009
Source:	gps		
Latitude27:	33.785238		
Longitude2:	-118.206277		
Latitude83:	33.785256		
Longitude8:	-118.207179		
Td:	0		
Sec:	35		
Twn:	4S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000016128

A31
WSW
1/8 - 1/4 Mile

OIL_GAS CAOG60000016125

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Apinumber:	03703727	Operator:	Tidelands Oil Production Co.
Lease:	Not Reported	Well no:	M904E
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	131	Status cod:	009
Source:	gps		
Latitude27:	33.785208		
Longitude2:	-118.206274		
Latitude83:	33.785226		
Longitude8:	-118.207176		
Td:	0		
Sec:	35		
Twn:	4S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000016125

A32 WSW 1/8 - 1/4 Mile

OIL_GAS CAOG60000016122

Apinumber:	03703726	Operator:	Tidelands Oil Production Co.
Lease:	Not Reported	Well no:	562-W
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	131	Status cod:	037
Source:	gps		
Latitude27:	33.78518		
Longitude2:	-118.206273		
Latitude83:	33.785198		
Longitude8:	-118.207175		
Td:	0		
Sec:	35		
Twn:	4S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000016122

A33 WSW 1/8 - 1/4 Mile

OIL_GAS CAOG60000016117

Apinumber:	03703725	Operator:	Tidelands Oil Production Co.
Lease:	Not Reported	Well no:	M902E
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	131	Status cod:	009
Source:	gps		
Latitude27:	33.785154		
Longitude2:	-118.206277		
Latitude83:	33.785172		
Longitude8:	-118.207179		
Td:	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sec:	35	Rge:	13W
Twn:	4S		
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000016117

A34 WSW 1/8 - 1/4 Mile

OIL_GAS CAOG60000016113

Apinumber:	03703724	Operator:	Tidelands Oil Production Co.
Lease:	Not Reported	Well no:	M901E
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	131	Status cod:	009
Source:	gps		
Latitude27:	33.785121		
Longitude2:	-118.206275		
Latitude83:	33.785139		
Longitude8:	-118.207177		
Td:	0		
Sec:	35	Rge:	13W
Twn:	4S		
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000016113

A35 WSW 1/8 - 1/4 Mile

OIL_GAS CAOG60000016108

Apinumber:	03703735	Operator:	Mobil Oil Corp.
Lease:	Not Reported	Well no:	561-W
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	131	Status cod:	137
Source:	hud		
Latitude27:	33.785077		
Longitude2:	-118.206278		
Latitude83:	33.785095		
Longitude8:	-118.20718		
Td:	0		
Sec:	35	Rge:	13W
Twn:	4S		
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000016108

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

36

West

1/4 - 1/2 Mile

OIL_GAS

CAOG60000016173

Apinumber:	03703723	Operator:	Tidelands Oil Production Co.
Lease:	Not Reported	Well no:	M900E
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	128	Status cod:	014
Source:	gps		
Latitude27:	33.785865		
Longitude2:	-118.209199		
Latitude83:	33.785883		
Longitude8:	-118.210102		
Td:	0		
Sec:	35		
Twn:	4S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000016173

B37

SSW

1/4 - 1/2 Mile

OIL_GAS

CAOG60000015822

Apinumber:	03703737	Operator:	Tidelands Oil Production Co.
Lease:	Not Reported	Well no:	M950E
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	127	Status cod:	014
Source:	hud		
Latitude27:	33.78087		
Longitude2:	-118.20547		
Latitude83:	33.780888		
Longitude8:	-118.206372		
Td:	0		
Sec:	35		
Twn:	4S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015822

B38

SSW

1/4 - 1/2 Mile

OIL_GAS

CAOG60000015811

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Apinumber:	03703858	Operator:	The Termo Co.
Lease:	N-3-C	Well no:	308
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	127	Status cod:	008
Source:	hud		
Latitude27:	33.780728		
Longitude2:	-118.205483		
Latitude83:	33.780746		
Longitude8:	-118.206385		
Td:	0		
Sec:	35		
Twn:	4S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015811

B39 SSW 1/4 - 1/2 Mile

OIL_GAS CAOG60000015814

Apinumber:	03703901	Operator:	Pacific Energy Resources Ltd.
Lease:	L.A.C.F.C.D.	Well no:	C-30
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	127	Status cod:	008
Source:	gps		
Latitude27:	33.780782		
Longitude2:	-118.205706		
Latitude83:	33.7808		
Longitude8:	-118.206608		
Td:	0		
Sec:	35		
Twn:	4S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015814

C40 SSW 1/4 - 1/2 Mile

OIL_GAS CAOG60000015735

Apinumber:	03720733	Operator:	Pacific Energy Resources Ltd.
Lease:	L.A.C.F.C.D.	Well no:	C-31
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	127	Status cod:	008
Source:	gps		
Latitude27:	33.779646		
Longitude2:	-118.20564		
Latitude83:	33.779664		
Longitude8:	-118.206542		
Td:	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sec:	35	Rge:	13W
Twn:	4S		
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015735

C41 SSW 1/4 - 1/2 Mile

OIL_GAS CAOG60000015730

Apinumber:	03703853	Operator:	The Termo Co.
Lease:	N-3-C	Well no:	303
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	127	Status cod:	008
Source:	gps		
Latitude27:	33.779609		
Longitude2:	-118.205641		
Latitude83:	33.779627		
Longitude8:	-118.206543		
Td:	0		
Sec:	35		
Twn:	4S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015730

C42 SSW 1/4 - 1/2 Mile

OIL_GAS CAOG60000015729

Apinumber:	03703860	Operator:	The Termo Co.
Lease:	N-3-C	Well no:	310
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	127	Status cod:	008
Source:	gps		
Latitude27:	33.779572		
Longitude2:	-118.205646		
Latitude83:	33.77959		
Longitude8:	-118.206548		
Td:	0		
Sec:	35		
Twn:	4S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015729

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

C43

SSW

1/4 - 1/2 Mile

OIL_GAS

CAOG60000015753

Apinumber:	03703776	Operator:	Salvatore Natoli, Jr.
Lease:	T & L	Well no:	1
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	127	Status cod:	014
Source:	hud		
Latitude27:	33.779961		
Longitude2:	-118.206749		
Latitude83:	33.779979		
Longitude8:	-118.207651		
Td:	0		
Sec:	35		
Twon:	4S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015753

C44

SSW

1/4 - 1/2 Mile

OIL_GAS

CAOG60000015724

Apinumber:	03703859	Operator:	The Termo Co.
Lease:	N-3-C	Well no:	309
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	Not Reported	Status cod:	008
Source:	gps		
Latitude27:	33.779527		
Longitude2:	-118.205648		
Latitude83:	33.779545		
Longitude8:	-118.20655		
Td:	0		
Sec:	35		
Twon:	4S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015724

C45

SSW

1/4 - 1/2 Mile

OIL_GAS

CAOG60000015722

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Apinumber:	03703854	Operator:	The Termo Co.
Lease:	N-3-C	Well no:	304
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	127	Status cod:	008
Source:	gps		
Latitude27:	33.779496		
Longitude2:	-118.205642		
Latitude83:	33.779514		
Longitude8:	-118.206544		
Td:	0		
Sec:	35		
Twn:	4S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015722

C46 SSW 1/4 - 1/2 Mile

OIL_GAS CAOG60000015713

Apinumber:	03720076	Operator:	The Termo Co.
Lease:	Not Reported	Well no:	WI-15A
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	Not Reported	Status cod:	034
Source:	gps		
Latitude27:	33.779393		
Longitude2:	-118.205637		
Latitude83:	33.779411		
Longitude8:	-118.206539		
Td:	0		
Sec:	35		
Twn:	4S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015713

C47 SSW 1/4 - 1/2 Mile

OIL_GAS CAOG60000015710

Apinumber:	03703857	Operator:	The Termo Co.
Lease:	N-3-C	Well no:	307
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	127	Status cod:	008
Source:	gps		
Latitude27:	33.779358		
Longitude2:	-118.205637		
Latitude83:	33.779376		
Longitude8:	-118.206539		
Td:	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sec:	35	Rge:	13W
Twn:	4S		
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015710

C48 SSW 1/4 - 1/2 Mile

OIL_GAS CAOG60000015708

Apinumber:	03703856	Operator:	The Termo Co.
Lease:	N-3-C	Well no:	306
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	127	Status cod:	008
Source:	gps		
Latitude27:	33.779333		
Longitude2:	-118.205639		
Latitude83:	33.779351		
Longitude8:	-118.206541		
Td:	0		
Sec:	35		
Twn:	4S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015708

D49 SW 1/4 - 1/2 Mile

OIL_GAS CAOG60000015755

Apinumber:	03702256	Operator:	John M. Stahl
Lease:	Not Reported	Well no:	1
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	127	Status cod:	014
Source:	hud		
Latitude27:	33.78002		
Longitude2:	-118.207506		
Latitude83:	33.780038		
Longitude8:	-118.208408		
Td:	0		
Sec:	35		
Twn:	4S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015755

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

C50
SSW
1/2 - 1 Mile

OIL_GAS CAOG60000015685

Apinumber:	03701499	Operator:	Hamarson Oil Co.
Lease:	Not Reported	Well no:	3
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	127	Status cod:	014
Source:	hud		
Latitude27:	33.778964		
Longitude2:	-118.206201		
Latitude83:	33.778982		
Longitude8:	-118.207103		
Td:	0		
Sec:	35		
Twn:	4S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015685

E51
SW
1/2 - 1 Mile

OIL_GAS CAOG60000015860

Apinumber:	03703702	Operator:	Tidelands Oil Production Co.
Lease:	Not Reported	Well no:	M710E
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	127	Status cod:	008
Source:	gps		
Latitude27:	33.781226		
Longitude2:	-118.209889		
Latitude83:	33.781244		
Longitude8:	-118.210792		
Td:	0		
Sec:	35		
Twn:	4S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015860

F52
SSW
1/2 - 1 Mile

OIL_GAS CAOG60000015680

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Apinumber:	03701500	Operator:	Harmor Petroleum Co.
Lease:	Harbor	Well no:	2
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	127	Status cod:	014
Source:	hud		
Latitude27:	33.778924		
Longitude2:	-118.206725		
Latitude83:	33.778942		
Longitude8:	-118.207627		
Td:	0		
Sec:	35		
Twn:	4S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015680

C53 SSW 1/2 - 1 Mile

OIL_GAS CAOG60000015649

Apinumber:	03703698	Operator:	Pacific Energy Resources Ltd.
Lease:	L.A.C.F.C.D.	Well no:	C-26-C
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	129	Status cod:	036
Source:	gps		
Latitude27:	33.778505		
Longitude2:	-118.205624		
Latitude83:	33.778523		
Longitude8:	-118.206526		
Td:	0		
Sec:	35		
Twn:	4S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015649

G54 SW 1/2 - 1 Mile

OIL_GAS CAOG60000015766

Apinumber:	03703703	Operator:	Tidelands Oil Production Co.
Lease:	Not Reported	Well no:	M711E
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	127	Status cod:	008
Source:	gps		
Latitude27:	33.780165		
Longitude2:	-118.209088		
Latitude83:	33.780183		
Longitude8:	-118.209991		
Td:	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sec:	35	Rge:	13W
Twn:	4S		
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015766

F55
SSW
1/2 - 1 Mile

OIL_GAS **CAOG60000015644**

Apinumber:	03722282	Operator:	Pacific Energy Resources Ltd.
Lease:	N-I-C	Well no:	234
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	129	Status cod:	008
Source:	gps		
Latitude27:	33.778469		
Longitude2:	-118.205601		
Latitude83:	33.778487		
Longitude8:	-118.206503		
Td:	0		
Sec:	35	Rge:	13W
Twn:	4S		
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015644

D56
SSW
1/2 - 1 Mile

OIL_GAS **CAOG60000015690**

Apinumber:	03703708	Operator:	Tidelands Oil Production Co.
Lease:	Not Reported	Well no:	M725E
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	127	Status cod:	008
Source:	gps		
Latitude27:	33.779098		
Longitude2:	-118.207453		
Latitude83:	33.779116		
Longitude8:	-118.208355		
Td:	0		
Sec:	35	Rge:	13W
Twn:	4S		
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015690

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

D57
SSW
1/2 - 1 Mile

OIL_GAS CAOG60000015695

Apinumber:	03721840	Operator:	Tidelands Oil Production Co.
Lease:	Not Reported	Well no:	M727E
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	127	Status cod:	008
Source:	gps		
Latitude27:	33.779146		
Longitude2:	-118.207591		
Latitude83:	33.779164		
Longitude8:	-118.208493		
Td:	0		
Sec:	35		
Twn:	4S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015695

D58
SSW
1/2 - 1 Mile

OIL_GAS CAOG60000015688

Apinumber:	03703707	Operator:	Tidelands Oil Production Co.
Lease:	Not Reported	Well no:	M718E
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	127	Status cod:	008
Source:	hud		
Latitude27:	33.779078		
Longitude2:	-118.207574		
Latitude83:	33.779096		
Longitude8:	-118.208476		
Td:	0		
Sec:	35		
Twn:	4S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015688

D59
SSW
1/2 - 1 Mile

OIL_GAS CAOG60000015687

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Apinumber:	03703662	Operator:	Recknagel & Mangold Oil Co.
Lease:	W.A.	Well no:	17
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	127	Status cod:	014
Source:	hud		
Latitude27:	33.779062		
Longitude2:	-118.208238		
Latitude83:	33.77908		
Longitude8:	-118.20914		
Td:	0		
Sec:	35		
Twn:	4S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015687

G60 SW 1/2 - 1 Mile

OIL_GAS CAOG60000015698

Apinumber:	03701457	Operator:	F. E. Fairfield
Lease:	Golden Circle	Well no:	1
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	127	Status cod:	014
Source:	hud		
Latitude27:	33.779196		
Longitude2:	-118.208745		
Latitude83:	33.779214		
Longitude8:	-118.209647		
Td:	0		
Sec:	35		
Twn:	4S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015698

G61 SW 1/2 - 1 Mile

OIL_GAS CAOG60000015707

Apinumber:	03703704	Operator:	Mobil Oil Corp.
Lease:	Not Reported	Well no:	M712E
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	127	Status cod:	014
Source:	hud		
Latitude27:	33.779323		
Longitude2:	-118.209147		
Latitude83:	33.779341		
Longitude8:	-118.210049		
Td:	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sec:	35	Rge:	13W
Twn:	4S		
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015707

F62 SSW 1/2 - 1 Mile

OIL_GAS CAOG60000015635

Apinumber:	03703226	Operator:	Mobil Oil Corp.
Lease:	Not Reported	Well no:	544-W
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	127	Status cod:	014
Source:	hud		
Latitude27:	33.778359		
Longitude2:	-118.20758		
Latitude83:	33.778377		
Longitude8:	-118.208482		
Td:	0		
Sec:	35	Rge:	13W
Twn:	4S		
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015635

E63 SW 1/2 - 1 Mile

OIL_GAS CAOG60000015783

Apinumber:	03703701	Operator:	Tidelands Oil Production Co.
Lease:	Not Reported	Well no:	M709E
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	127	Status cod:	008
Source:	gps		
Latitude27:	33.78039		
Longitude2:	-118.210623		
Latitude83:	33.780408		
Longitude8:	-118.211526		
Td:	0		
Sec:	35	Rge:	13W
Twn:	4S		
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015783

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

H64
SSW
1/2 - 1 Mile

OIL_GAS CAOG60000015587

Apinumber:	03701498	Operator:	Hamarson Oil Co.
Lease:	Not Reported	Well no:	2
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	127	Status cod:	014
Source:	hud		
Latitude27:	33.777764		
Longitude2:	-118.206301		
Latitude83:	33.777782		
Longitude8:	-118.207203		
Td:	0		
Sec:	35		
Twn:	4S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015587

I65
SW
1/2 - 1 Mile

OIL_GAS CAOG60000015658

Apinumber:	03703705	Operator:	Tidelands Oil Production Co.
Lease:	Not Reported	Well no:	548-W
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	127	Status cod:	136
Source:	gps		
Latitude27:	33.778627		
Longitude2:	-118.208641		
Latitude83:	33.778645		
Longitude8:	-118.209543		
Td:	0		
Sec:	35		
Twn:	4S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015658

I66
SSW
1/2 - 1 Mile

OIL_GAS CAOG60000015629

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Apinumber:	03703706	Operator:	Mobil Oil Corp.
Lease:	Not Reported	Well no:	545-W
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	127	Status cod:	134
Source:	hud		
Latitude27:	33.778335		
Longitude2:	-118.208117		
Latitude83:	33.778353		
Longitude8:	-118.209019		
Td:	0		
Sec:	35		
Twn:	4S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015629

H67 SSW 1/2 - 1 Mile

OIL_GAS CAOG60000015540

Apinumber:	03703696	Operator:	Pacific Energy Resources Ltd.
Lease:	L.A.C.F.C.D.	Well no:	C-24
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	129	Status cod:	008
Source:	gps		
Latitude27:	33.777262		
Longitude2:	-118.205624		
Latitude83:	33.77728		
Longitude8:	-118.206526		
Td:	0		
Sec:	35		
Twn:	4S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015540

68 NE 1/2 - 1 Mile

OIL_GAS CAOG60000016674

Apinumber:	03705659	Operator:	Miller & Haley
Lease:	Not Reported	Well no:	1
Field:	LOS ANGELES COUNTY	Caog m2 area:	Not Reported
Map:	W1-6	Status cod:	006
Source:	hud		
Latitude27:	33.79297		
Longitude2:	-118.196222		
Latitude83:	33.792987		
Longitude8:	-118.197124		
Td:	4865		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sec:	25	Rge:	13W
Twn:	4S		
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000016674

H69 SSW 1/2 - 1 Mile

OIL_GAS CAOG60000015532

Apinumber:	03703929	Operator:	Pacific Energy Resources Ltd.
Lease:	N-1-C	Well no:	228
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	129	Status cod:	136
Source:	hud		
Latitude27:	33.777178		
Longitude2:	-118.205618		
Latitude83:	33.777196		
Longitude8:	-118.20652		
Td:	0		
Sec:	35		
Twn:	4S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015532

J70 SW 1/2 - 1 Mile

OIL_GAS CAOG60000015784

Apinumber:	03703798	Operator:	Petroleum Midway Co.
Lease:	Kupfer	Well no:	15
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	127	Status cod:	014
Source:	hud		
Latitude27:	33.780431		
Longitude2:	-118.211434		
Latitude83:	33.780449		
Longitude8:	-118.212337		
Td:	0		
Sec:	35		
Twn:	4S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015784

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

I71
SW
1/2 - 1 Mile

OIL_GAS CAOG60000015677

Apinumber:	03704611	Operator:	Tidelands Oil Production Co.
Lease:	Not Reported	Well no:	543-W
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	127	Status cod:	136
Source:	gps		
Latitude27:	33.778918		
Longitude2:	-118.209772		
Latitude83:	33.778936		
Longitude8:	-118.210675		
Td:	0		
Sec:	35		
Twn:	4S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015677

H72
SSW
1/2 - 1 Mile

OIL_GAS CAOG60000015528

Apinumber:	03703697	Operator:	Pacific Energy Resources Ltd.
Lease:	L.A.C.F.C.D.	Well no:	C-25
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	129	Status cod:	008
Source:	gps		
Latitude27:	33.777107		
Longitude2:	-118.205616		
Latitude83:	33.777125		
Longitude8:	-118.206518		
Td:	0		
Sec:	35		
Twn:	4S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015528

H73
SSW
1/2 - 1 Mile

OIL_GAS CAOG60000015522

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Apinumber:	03703699	Operator:	Pacific Energy Resources Ltd.
Lease:	L.A.C.F.C.D.	Well no:	C-27
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	129	Status cod:	008
Source:	gps		
Latitude27:	33.77705		
Longitude2:	-118.20562		
Latitude83:	33.777068		
Longitude8:	-118.206522		
Td:	0		
Sec:	35		
Twn:	4S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015522

H74 SSW 1/2 - 1 Mile

OIL_GAS CAOG60000015515

Apinumber:	03703700	Operator:	Pacific Energy Resources Ltd.
Lease:	L.A.C.F.C.D.	Well no:	C-29
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	129	Status cod:	008
Source:	gps		
Latitude27:	33.777		
Longitude2:	-118.205616		
Latitude83:	33.777018		
Longitude8:	-118.206518		
Td:	0		
Sec:	35		
Twn:	4S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015515

H75 SSW 1/2 - 1 Mile

OIL_GAS CAOG60000015505

Apinumber:	03703862	Operator:	The Termo Co.
Lease:	Not Reported	Well no:	WI-5A
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	129	Status cod:	034
Source:	gps		
Latitude27:	33.776866		
Longitude2:	-118.205623		
Latitude83:	33.776884		
Longitude8:	-118.206525		
Td:	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sec:	35	Rge:	13W
Twn:	4S		
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015505

H76 SSW 1/2 - 1 Mile

OIL_GAS CAOG60000015503

Apinumber:	03703855	Operator:	The Termo Co.
Lease:	N-3-C	Well no:	305
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	129	Status cod:	008
Source:	gps		
Latitude27:	33.776837		
Longitude2:	-118.205624		
Latitude83:	33.776855		
Longitude8:	-118.206526		
Td:	0		
Sec:	35		
Twn:	4S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015503

J77 WSW 1/2 - 1 Mile

OIL_GAS CAOG60000015830

Apinumber:	03703622	Operator:	Mobil Oil Corp.
Lease:	Not Reported	Well no:	M705E
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	127	Status cod:	014
Source:	hud		
Latitude27:	33.780919		
Longitude2:	-118.212401		
Latitude83:	33.780937		
Longitude8:	-118.213304		
Td:	0		
Sec:	35		
Twn:	4S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015830

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

K78
SW
1/2 - 1 Mile

OIL_GAS CAOG60000015701

Apinumber:	03721735	Operator:	Tidelands Oil Production Co.
Lease:	Not Reported	Well no:	M726E
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	127	Status cod:	008
Source:	gps		
Latitude27:	33.779272		
Longitude2:	-118.210885		
Latitude83:	33.77929		
Longitude8:	-118.211788		
Td:	0		
Sec:	35		
Twn:	4S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015701

K79
SW
1/2 - 1 Mile

OIL_GAS CAOG60000015697

Apinumber:	03703623	Operator:	Tidelands Oil Production Co.
Lease:	Not Reported	Well no:	546-W
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	127	Status cod:	134
Source:	hud		
Latitude27:	33.779161		
Longitude2:	-118.210815		
Latitude83:	33.779179		
Longitude8:	-118.211718		
Td:	0		
Sec:	35		
Twn:	4S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015697

L80
SSW
1/2 - 1 Mile

OIL_GAS CAOG60000015479

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Apinumber:	03701419	Operator:	California Pacific Oil Co.
Lease:	Star	Well no:	1
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	127	Status cod:	014
Source:	hud		
Latitude27:	33.776667		
Longitude2:	-118.206944		
Latitude83:	33.776685		
Longitude8:	-118.207846		
Td:	0		
Sec:	35		
Twn:	4S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015479

M81 SSW 1/2 - 1 Mile

OIL_GAS CAOG60000015461

Apinumber:	03703852	Operator:	The Termo Co.
Lease:	N-3-C	Well no:	302
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	129	Status cod:	008
Source:	gps		
Latitude27:	33.776324		
Longitude2:	-118.20562		
Latitude83:	33.776342		
Longitude8:	-118.206522		
Td:	0		
Sec:	35		
Twn:	4S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015461

M82 SSW 1/2 - 1 Mile

OIL_GAS CAOG60000015457

Apinumber:	03703851	Operator:	The Termo Co.
Lease:	N-3-C	Well no:	301
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	129	Status cod:	008
Source:	gps		
Latitude27:	33.776282		
Longitude2:	-118.205616		
Latitude83:	33.7763		
Longitude8:	-118.206518		
Td:	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sec:	35	Rge:	13W
Twn:	4S		
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015457

M83 SSW 1/2 - 1 Mile

OIL_GAS CAOG60000015446

Apinumber:	03703694	Operator:	Pacific Energy Resources Ltd.
Lease:	L.A.C.F.C.D.	Well no:	C-22
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	129	Status cod:	014
Source:	hud		
Latitude27:	33.776191		
Longitude2:	-118.205619		
Latitude83:	33.776209		
Longitude8:	-118.206521		
Td:	0		
Sec:	35	Rge:	13W
Twn:	4S		
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015446

L84 SSW 1/2 - 1 Mile

OIL_GAS CAOG60000015494

Apinumber:	03703540	Operator:	Tidelands Oil Production Co.
Lease:	Not Reported	Well no:	M523E
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	127	Status cod:	014
Source:	hud		
Latitude27:	33.776742		
Longitude2:	-118.207603		
Latitude83:	33.77676		
Longitude8:	-118.208505		
Td:	0		
Sec:	35	Rge:	13W
Twn:	4S		
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015494

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

N85
SSW
1/2 - 1 Mile

OIL_GAS CAOG60000015531

Apinumber:	03703538	Operator:	Tidelands Oil Production Co.
Lease:	Not Reported	Well no:	M521E
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	127	Status cod:	008
Source:	gps		
Latitude27:	33.777178		
Longitude2:	-118.208724		
Latitude83:	33.777196		
Longitude8:	-118.209626		
Td:	0		
Sec:	35		
Twn:	4S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015531

N86
SSW
1/2 - 1 Mile

OIL_GAS CAOG60000015508

Apinumber:	03703539	Operator:	Tidelands Oil Production Co.
Lease:	Not Reported	Well no:	M522E
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	127	Status cod:	008
Source:	gps		
Latitude27:	33.776925		
Longitude2:	-118.208349		
Latitude83:	33.776943		
Longitude8:	-118.209251		
Td:	0		
Sec:	35		
Twn:	4S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015508

O87
WSW
1/2 - 1 Mile

OIL_GAS CAOG60000015797

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Apinumber:	03703619	Operator:	Tidelands Oil Production Co.
Lease:	Not Reported	Well no:	M702E
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	127	Status cod:	014
Source:	hud		
Latitude27:	33.78058		
Longitude2:	-118.213172		
Latitude83:	33.780598		
Longitude8:	-118.214075		
Td:	0		
Sec:	35		
Twn:	4S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015797

P88 WSW 1/2 - 1 Mile

OIL_GAS CAOG60000015913

Apinumber:	03703617	Operator:	Tidelands Oil Production Co.
Lease:	Not Reported	Well no:	551-W
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	127	Status cod:	014
Source:	hud		
Latitude27:	33.781898		
Longitude2:	-118.213995		
Latitude83:	33.781916		
Longitude8:	-118.214898		
Td:	0		
Sec:	35		
Twn:	4S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015913

O89 SW 1/2 - 1 Mile

OIL_GAS CAOG60000015734

Apinumber:	03703621	Operator:	Tidelands Oil Production Co.
Lease:	Not Reported	Well no:	547-W
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	127	Status cod:	134
Source:	gps		
Latitude27:	33.779632		
Longitude2:	-118.212601		
Latitude83:	33.77965		
Longitude8:	-118.213504		
Td:	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sec:	35	Rge:	13W
Twn:	4S		
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015734

K90 SW 1/2 - 1 Mile

OIL_GAS CAOG60000015678

Apinumber:	03703225	Operator:	Tidelands Oil Production Co.
Lease:	Not Reported	Well no:	542-W
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	127	Status cod:	014
Source:	hud		
Latitude27:	33.77892		
Longitude2:	-118.212124		
Latitude83:	33.778938		
Longitude8:	-118.213027		
Td:	0		
Sec:	35		
Twn:	4S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015678

L91 SSW 1/2 - 1 Mile

OIL_GAS CAOG60000015427

Apinumber:	03704008	Operator:	Terminal Oil Co.
Lease:	Channel 3 Comm.	Well no:	5
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	127	Status cod:	014
Source:	hud		
Latitude27:	33.776041		
Longitude2:	-118.207144		
Latitude83:	33.776059		
Longitude8:	-118.208046		
Td:	0		
Sec:	35		
Twn:	4S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015427

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

L92
SSW
1/2 - 1 Mile

OIL_GAS CAOG60000015463

Apinumber:	03703512	Operator:	Tidelands Oil Production Co.
Lease:	Not Reported	Well no:	M486E
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	127	Status cod:	014
Source:	hud		
Latitude27:	33.776346		
Longitude2:	-118.208036		
Latitude83:	33.776364		
Longitude8:	-118.208938		
Td:	0		
Sec:	35		
Twn:	4S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015463

O93
WSW
1/2 - 1 Mile

OIL_GAS CAOG60000015808

Apinumber:	03703618	Operator:	Mobil Oil Corp.
Lease:	Not Reported	Well no:	M701E
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	127	Status cod:	014
Source:	hud		
Latitude27:	33.780678		
Longitude2:	-118.213847		
Latitude83:	33.780696		
Longitude8:	-118.21475		
Td:	0		
Sec:	35		
Twn:	4S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015808

L94
SSW
1/2 - 1 Mile

OIL_GAS CAOG60000015451

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Apinumber:	03703514	Operator:	Tidelands Oil Production Co.
Lease:	Not Reported	Well no:	M490E
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	127	Status cod:	014
Source:	hud		
Latitude27:	33.776249		
Longitude2:	-118.20812		
Latitude83:	33.776267		
Longitude8:	-118.209022		
Td:	0		
Sec:	35		
Twn:	4S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015451

L95 SSW 1/2 - 1 Mile

OIL_GAS CAOG60000015443

Apinumber:	03704053	Operator:	Mobil Oil Corp.
Lease:	Mutual	Well no:	1
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	127	Status cod:	014
Source:	hud		
Latitude27:	33.776161		
Longitude2:	-118.207926		
Latitude83:	33.776179		
Longitude8:	-118.208828		
Td:	0		
Sec:	35		
Twn:	5S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	P
District:	1	Site id:	CAOG60000015443

O96 WSW 1/2 - 1 Mile

OIL_GAS CAOG60000015763

Apinumber:	03703620	Operator:	Tidelands Oil Production Co.
Lease:	Not Reported	Well no:	M703E
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	127	Status cod:	014
Source:	hud		
Latitude27:	33.780096		
Longitude2:	-118.21384		
Latitude83:	33.780114		
Longitude8:	-118.214743		
Td:	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sec:	35	Rge:	13W
Twn:	4S		
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015763

M97 SSW 1/2 - 1 Mile

OIL_GAS CAOG60000015339

Apinumber:	03720557	Operator:	Pacific Energy Resources Ltd.
Lease:	N-1-C	Well no:	231
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	129	Status cod:	008
Source:	gps		
Latitude27:	33.77525		
Longitude2:	-118.205627		
Latitude83:	33.775268		
Longitude8:	-118.206529		
Td:	0		
Sec:	35		
Twn:	4S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015339

Q98 SSW 1/2 - 1 Mile

OIL_GAS CAOG60000015330

Apinumber:	03720496	Operator:	Pacific Energy Resources Ltd.
Lease:	N-1-C	Well no:	233
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	129	Status cod:	008
Source:	gps		
Latitude27:	33.775173		
Longitude2:	-118.20562		
Latitude83:	33.775191		
Longitude8:	-118.206522		
Td:	0		
Sec:	35		
Twn:	4S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015330

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

Q99

SSW

1/2 - 1 Mile

OIL_GAS

CAOG60000015325

Apinumber:	03703861	Operator:	The Termo Co.
Lease:	Not Reported	Well no:	WI-4A
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	129	Status cod:	034
Source:	gps		
Latitude27:	33.775154		
Longitude2:	-118.205587		
Latitude83:	33.775172		
Longitude8:	-118.206489		
Td:	0		
Sec:	35		
Twn:	4S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015325

Q100

SSW

1/2 - 1 Mile

OIL_GAS

CAOG60000015311

Apinumber:	03703931	Operator:	Pacific Energy Resources Ltd.
Lease:	N-1-C	Well no:	230
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	129	Status cod:	008
Source:	gps		
Latitude27:	33.775035		
Longitude2:	-118.205628		
Latitude83:	33.775053		
Longitude8:	-118.20653		
Td:	0		
Sec:	35		
Twn:	4S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015311

R101

SW

1/2 - 1 Mile

OIL_GAS

CAOG60000015575

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Apinumber:	03703536	Operator:	Mobil Oil Corp.
Lease:	Not Reported	Well no:	M519E
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	127	Status cod:	014
Source:	hud		
Latitude27:	33.777629		
Longitude2:	-118.211693		
Latitude83:	33.777647		
Longitude8:	-118.212596		
Td:	0		
Sec:	35		
Twn:	4S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015575

P102 WSW 1/2 - 1 Mile

OIL_GAS CAOG60000015839

Apinumber:	03703721	Operator:	Tidelands Oil Production Co.
Lease:	Not Reported	Well no:	M831D
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	127	Status cod:	008
Source:	hud		
Latitude27:	33.781007		
Longitude2:	-118.214748		
Latitude83:	33.781025		
Longitude8:	-118.215651		
Td:	0		
Sec:	35		
Twn:	4S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015839

Q103 SSW 1/2 - 1 Mile

OIL_GAS CAOG60000015309

Apinumber:	03702274	Operator:	Pacific Energy Resources Ltd.
Lease:	L.A.C.F.C.D.	Well no:	C-20-B
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	129	Status cod:	036
Source:	hud		
Latitude27:	33.77501		
Longitude2:	-118.205631		
Latitude83:	33.775028		
Longitude8:	-118.206533		
Td:	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sec:	35	Rge:	13W
Twn:	4S		
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015309

Q104 SSW 1/2 - 1 Mile

OIL_GAS CAOG60000015303

Apinumber:	03703930	Operator:	Pacific Energy Resources Ltd.
Lease:	N-1-C	Well no:	229
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	129	Status cod:	136
Source:	gps		
Latitude27:	33.774977		
Longitude2:	-118.205632		
Latitude83:	33.774995		
Longitude8:	-118.206534		
Td:	0		
Sec:	35		
Twn:	4S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015303

Q105 SSW 1/2 - 1 Mile

OIL_GAS CAOG60000015299

Apinumber:	03703928	Operator:	Pacific Energy Resources Ltd.
Lease:	N-1-C	Well no:	227-A
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	129	Status cod:	136
Source:	gps		
Latitude27:	33.77494		
Longitude2:	-118.20563		
Latitude83:	33.774958		
Longitude8:	-118.206532		
Td:	0		
Sec:	35		
Twn:	4S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015299

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

S106

SW

1/2 - 1 Mile

OIL_GAS

CAOG60000015706

Apinumber:	03703533	Operator:	Tidelands Oil Production Co.
Lease:	Not Reported	Well no:	M515E
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	127	Status cod:	014
Source:	hud		
Latitude27:	33.779301		
Longitude2:	-118.213666		
Latitude83:	33.779319		
Longitude8:	-118.214569		
Td:	0		
Sec:	35		
Twn:	4S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015706

Q107

SSW

1/2 - 1 Mile

OIL_GAS

CAOG60000015293

Apinumber:	03703927	Operator:	Pacific Energy Resources Ltd.
Lease:	N-1-C	Well no:	226
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	129	Status cod:	036
Source:	gps		
Latitude27:	33.774888		
Longitude2:	-118.205627		
Latitude83:	33.774906		
Longitude8:	-118.206529		
Td:	0		
Sec:	35		
Twn:	4S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015293

Q108

SSW

1/2 - 1 Mile

OIL_GAS

CAOG60000015286

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Apinumber:	03703926	Operator:	Pacific Energy Resources Ltd.
Lease:	N-1-C	Well no:	225
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	129	Status cod:	008
Source:	gps		
Latitude27:	33.774833		
Longitude2:	-118.205635		
Latitude83:	33.774851		
Longitude8:	-118.206537		
Td:	0		
Sec:	35		
Twn:	4S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015286

Q109 SSW 1/2 - 1 Mile

OIL_GAS CAOG60000015285

Apinumber:	03703925	Operator:	Pacific Energy Resources Ltd.
Lease:	N-1-C	Well no:	224
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	129	Status cod:	008
Source:	gps		
Latitude27:	33.774791		
Longitude2:	-118.205628		
Latitude83:	33.774809		
Longitude8:	-118.20653		
Td:	0		
Sec:	35		
Twn:	4S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015285

Q110 SSW 1/2 - 1 Mile

OIL_GAS CAOG60000015279

Apinumber:	03703924	Operator:	Pacific Energy Resources Ltd.
Lease:	N-1-C	Well no:	223
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	129	Status cod:	008
Source:	gps		
Latitude27:	33.774738		
Longitude2:	-118.205634		
Latitude83:	33.774756		
Longitude8:	-118.206536		
Td:	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sec:	35	Rge:	13W
Twn:	4S		
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015279

Q111 SSW 1/2 - 1 Mile

OIL_GAS CAOG60000015275

Apinumber:	03703923	Operator:	Pacific Energy Resources Ltd.
Lease:	N-1-C	Well no:	222
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	129	Status cod:	014
Source:	gps		
Latitude27:	33.774697		
Longitude2:	-118.205631		
Latitude83:	33.774715		
Longitude8:	-118.206533		
Td:	0		
Sec:	35	Rge:	13W
Twn:	4S		
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015275

T112 WSW 1/2 - 1 Mile

OIL_GAS CAOG60000015779

Apinumber:	03703722	Operator:	Mobil Oil Corp.
Lease:	Not Reported	Well no:	M832D
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	127	Status cod:	014
Source:	hud		
Latitude27:	33.780334		
Longitude2:	-118.214797		
Latitude83:	33.780352		
Longitude8:	-118.2157		
Td:	0		
Sec:	35	Rge:	13W
Twn:	4S		
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015779

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

U113
SSW
1/2 - 1 Mile

OIL_GAS CAOG60000015336

Apinumber:	03703224	Operator:	Mobil Oil Corp.
Lease:	Not Reported	Well no:	534-W
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	127	Status cod:	134
Source:	hud		
Latitude27:	33.775225		
Longitude2:	-118.207885		
Latitude83:	33.775243		
Longitude8:	-118.208787		
Td:	0		
Sec:	35		
Twn:	4S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015336

Q114
SSW
1/2 - 1 Mile

OIL_GAS CAOG60000015266

Apinumber:	03703922	Operator:	Pacific Energy Resources Ltd.
Lease:	N-1-C	Well no:	221
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	129	Status cod:	136
Source:	gps		
Latitude27:	33.774644		
Longitude2:	-118.20563		
Latitude83:	33.774662		
Longitude8:	-118.206532		
Td:	0		
Sec:	2		
Twn:	5S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015266

Q115
SSW
1/2 - 1 Mile

OIL_GAS CAOG60000015257

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Apinumber:	03703921	Operator:	Pacific Energy Resources Ltd.
Lease:	N-1-C	Well no:	220
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	129	Status cod:	008
Source:	gps		
Latitude27:	33.774594		
Longitude2:	-118.205631		
Latitude83:	33.774612		
Longitude8:	-118.206533		
Td:	0		
Sec:	2		
Twn:	5S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015257

V116 WSW 1/2 - 1 Mile

OIL_GAS CAOG60000015987

Apinumber:	03704003	Operator:	R & R Entertainment, Inc.
Lease:	Not Reported	Well no:	1
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	128	Status cod:	008
Source:	gps		
Latitude27:	33.783099		
Longitude2:	-118.216212		
Latitude83:	33.783117		
Longitude8:	-118.217115		
Td:	0		
Sec:	35		
Twn:	4S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015987

Q117 SSW 1/2 - 1 Mile

OIL_GAS CAOG60000015246

Apinumber:	03703920	Operator:	Pacific Energy Resources Ltd.
Lease:	N-1-C	Well no:	219
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	129	Status cod:	036
Source:	gps		
Latitude27:	33.774544		
Longitude2:	-118.20563		
Latitude83:	33.774562		
Longitude8:	-118.206532		
Td:	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sec:	2	Rge:	13W
Twn:	5S		
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015246

118
NW
1/2 - 1 Mile

OIL_GAS CAOG60000016731

Apinumber:	03703661	Operator:	Pioneer Petrol Corp.
Lease:	Not Reported	Well no:	1
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	128	Status cod:	006
Source:	hud		
Latitude27:	33.793492		
Longitude2:	-118.213267		
Latitude83:	33.79351		
Longitude8:	-118.21417		
Td:	5147		
Sec:	26		
Twn:	4S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000016731

U119
SSW
1/2 - 1 Mile

OIL_GAS CAOG60000015360

Apinumber:	03703511	Operator:	Tidelands Oil Production Co.
Lease:	Not Reported	Well no:	536-W
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	127	Status cod:	134
Source:	hud		
Latitude27:	33.77541		
Longitude2:	-118.208827		
Latitude83:	33.775428		
Longitude8:	-118.209729		
Td:	0		
Sec:	35		
Twn:	4S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015360

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

Q120
SSW
1/2 - 1 Mile

OIL_GAS CAOG60000015241

Apinumber:	03703919	Operator:	Pacific Energy Resources Ltd.
Lease:	N-1-C	Well no:	218
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	129	Status cod:	008
Source:	gps		
Latitude27:	33.774495		
Longitude2:	-118.205634		
Latitude83:	33.774513		
Longitude8:	-118.206536		
Td:	0		
Sec:	2		
Twn:	5S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015241

W121
WSW
1/2 - 1 Mile

OIL_GAS CAOG60000015876

Apinumber:	03703720	Operator:	Tidelands Oil Production Co.
Lease:	Not Reported	Well no:	M830D
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	127	Status cod:	134
Source:	hud		
Latitude27:	33.78139		
Longitude2:	-118.215695		
Latitude83:	33.781408		
Longitude8:	-118.216598		
Td:	0		
Sec:	35		
Twn:	4S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015876

Q122
SSW
1/2 - 1 Mile

OIL_GAS CAOG60000015236

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Apinumber:	03703918	Operator:	Pacific Energy Resources Ltd.
Lease:	N-1-C	Well no:	217
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	129	Status cod:	008
Source:	gps		
Latitude27:	33.774448		
Longitude2:	-118.205635		
Latitude83:	33.774466		
Longitude8:	-118.206537		
Td:	0		
Sec:	2		
Twn:	5S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015236

Q123 SSW 1/2 - 1 Mile

OIL_GAS CAOG60000015233

Apinumber:	03703917	Operator:	Pacific Energy Resources Ltd.
Lease:	N-1-C	Well no:	216
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	129	Status cod:	014
Source:	gps		
Latitude27:	33.774398		
Longitude2:	-118.205633		
Latitude83:	33.774416		
Longitude8:	-118.206535		
Td:	0		
Sec:	2		
Twn:	5S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015233

Q124 SSW 1/2 - 1 Mile

OIL_GAS CAOG60000015228

Apinumber:	03703916	Operator:	Pacific Energy Resources Ltd.
Lease:	N-1-C	Well no:	215
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	129	Status cod:	008
Source:	gps		
Latitude27:	33.774348		
Longitude2:	-118.205628		
Latitude83:	33.774366		
Longitude8:	-118.20653		
Td:	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sec:	2	Rge:	13W
Twn:	5S		
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015228

Q125 SSW 1/2 - 1 Mile

OIL_GAS CAOG60000015219

Apinumber:	03703915	Operator:	Pacific Energy Resources Ltd.
Lease:	N-1-C	Well no:	214
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	129	Status cod:	008
Source:	gps		
Latitude27:	33.774302		
Longitude2:	-118.205627		
Latitude83:	33.77432		
Longitude8:	-118.206529		
Td:	0		
Sec:	2		
Twn:	5S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015219

Q126 SSW 1/2 - 1 Mile

OIL_GAS CAOG60000015215

Apinumber:	03703914	Operator:	Pacific Energy Resources Ltd.
Lease:	N-1-C	Well no:	213
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	129	Status cod:	010
Source:	gps		
Latitude27:	33.774242		
Longitude2:	-118.205638		
Latitude83:	33.77426		
Longitude8:	-118.20654		
Td:	0		
Sec:	2		
Twn:	5S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015215

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

T127
WSW
1/2 - 1 Mile

OIL_GAS CAOG60000015746

Apinumber:	03703520	Operator:	Tidelands Oil Production Co.
Lease:	Not Reported	Well no:	75-W
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	127	Status cod:	034
Source:	gps		
Latitude27:	33.779846		
Longitude2:	-118.215101		
Latitude83:	33.779864		
Longitude8:	-118.216004		
Td:	0		
Sec:	35		
Twn:	4S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015746

S128
SW
1/2 - 1 Mile

OIL_GAS CAOG60000015657

Apinumber:	03703532	Operator:	Mobil Oil Corp.
Lease:	Not Reported	Well no:	M514E
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	127	Status cod:	014
Source:	hud		
Latitude27:	33.778626		
Longitude2:	-118.214118		
Latitude83:	33.778644		
Longitude8:	-118.215021		
Td:	0		
Sec:	35		
Twn:	4S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015657

Q129
SSW
1/2 - 1 Mile

OIL_GAS CAOG60000015210

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Apinumber:	03703913	Operator:	Pacific Energy Resources Ltd.
Lease:	N-1-C	Well no:	212
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	129	Status cod:	008
Source:	gps		
Latitude27:	33.774196		
Longitude2:	-118.205633		
Latitude83:	33.774214		
Longitude8:	-118.206535		
Td:	0		
Sec:	2		
Twn:	5S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015210

T130 WSW 1/2 - 1 Mile

OIL_GAS CAOG60000015812

Apinumber:	03703719	Operator:	Tidelands Oil Production Co.
Lease:	Not Reported	Well no:	M829D
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	127	Status cod:	014
Source:	hud		
Latitude27:	33.78073		
Longitude2:	-118.215722		
Latitude83:	33.780748		
Longitude8:	-118.216625		
Td:	0		
Sec:	35		
Twn:	4S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015812

Q131 SSW 1/2 - 1 Mile

OIL_GAS CAOG60000015198

Apinumber:	03703912	Operator:	Pacific Energy Resources Ltd.
Lease:	N-1-C	Well no:	211
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	129	Status cod:	136
Source:	gps		
Latitude27:	33.774143		
Longitude2:	-118.205634		
Latitude83:	33.774161		
Longitude8:	-118.206536		
Td:	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sec:	2	Rge:	13W
Twn:	5S		
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015198

V132 WSW 1/2 - 1 Mile

OIL_GAS CAOG60000015930

Apinumber:	03703716	Operator:	Tidelands Oil Production Co.
Lease:	Not Reported	Well no:	70-W
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	127	Status cod:	134
Source:	hud		
Latitude27:	33.782139		
Longitude2:	-118.216489		
Latitude83:	33.782157		
Longitude8:	-118.217392		
Td:	0		
Sec:	35		
Twn:	4S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015930

X133 SSW 1/2 - 1 Mile

OIL_GAS CAOG60000015166

Apinumber:	03702272	Operator:	Pacific Energy Resources Ltd.
Lease:	L.A.C.F.C.D.	Well no:	C-18-A
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	129	Status cod:	036
Source:	gps		
Latitude27:	33.773983		
Longitude2:	-118.205641		
Latitude83:	33.774001		
Longitude8:	-118.206543		
Td:	0		
Sec:	2		
Twn:	5S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015166

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

R134
SW
1/2 - 1 Mile

OIL_GAS CAOG60000015511

Apinumber:	03703535	Operator:	Mobil Oil Corp.
Lease:	Not Reported	Well no:	M518E
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	127	Status cod:	014
Source:	hud		
Latitude27:	33.776975		
Longitude2:	-118.212724		
Latitude83:	33.776993		
Longitude8:	-118.213627		
Td:	0		
Sec:	35		
Twn:	4S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015511

X135
South
1/2 - 1 Mile

OIL_GAS CAOG60000015141

Apinumber:	03702273	Operator:	Pacific Energy Resources Ltd.
Lease:	L.A.C.F.C.D.	Well no:	C-19
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	129	Status cod:	008
Source:	gps		
Latitude27:	33.773821		
Longitude2:	-118.205633		
Latitude83:	33.773839		
Longitude8:	-118.206535		
Td:	0		
Sec:	2		
Twn:	5S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015141

Y136
WSW
1/2 - 1 Mile

OIL_GAS CAOG60000015693

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Apinumber:	03703521	Operator:	Exxon Mobil Corp
Lease:	Not Reported	Well no:	71-W
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	127	Status cod:	134
Source:	hud		
Latitude27:	33.779114		
Longitude2:	-118.215129		
Latitude83:	33.779132		
Longitude8:	-118.216032		
Td:	0		
Sec:	35		
Twn:	4S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015693

V137 WSW 1/2 - 1 Mile

OIL_GAS CAOG60000015989

Apinumber:	03701488	Operator:	Global Oil Production LLC
Lease:	Nwu	Well no:	425-9
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	128	Status cod:	008
Source:	gps		
Latitude27:	33.783117		
Longitude2:	-118.217184		
Latitude83:	33.783135		
Longitude8:	-118.218087		
Td:	0		
Sec:	35		
Twn:	4S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015989

X138 South 1/2 - 1 Mile

OIL_GAS CAOG60000015133

Apinumber:	03702275	Operator:	Pacific Energy Resources Ltd.
Lease:	L.A.C.F.C.D.	Well no:	C-21
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	129	Status cod:	014
Source:	gps		
Latitude27:	33.77377		
Longitude2:	-118.205639		
Latitude83:	33.773788		
Longitude8:	-118.206541		
Td:	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sec:	2	Rge:	13W
Twn:	5S		
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015133

X139 South 1/2 - 1 Mile

OIL_GAS CAOG60000015123

Apinumber:	03703695	Operator:	Pacific Energy Resources Ltd.
Lease:	L.A.C.F.C.D.	Well no:	C-23
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	129	Status cod:	008
Source:	gps		
Latitude27:	33.773718		
Longitude2:	-118.205639		
Latitude83:	33.773736		
Longitude8:	-118.206541		
Td:	0		
Sec:	2		
Twn:	5S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015123

W140 WSW 1/2 - 1 Mile

OIL_GAS CAOG60000015887

Apinumber:	03703717	Operator:	Tidelands Oil Production Co.
Lease:	Not Reported	Well no:	M827D
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	127	Status cod:	014
Source:	hud		
Latitude27:	33.781536		
Longitude2:	-118.216741		
Latitude83:	33.781554		
Longitude8:	-118.217644		
Td:	0		
Sec:	35		
Twn:	4S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015887

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

Z141
SSW
1/2 - 1 Mile

OIL_GAS CAOG60000015171

Apinumber:	03703220	Operator:	Tidelands Oil Production Co.
Lease:	Not Reported	Well no:	524-W
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	127	Status cod:	034
Source:	gps		
Latitude27:	33.773991		
Longitude2:	-118.207144		
Latitude83:	33.774009		
Longitude8:	-118.208046		
Td:	0		
Sec:	2		
Twn:	5S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015171

X142
South
1/2 - 1 Mile

OIL_GAS CAOG60000015119

Apinumber:	03703902	Operator:	Pacific Energy Resources Ltd.
Lease:	N-1-C	Well no:	201
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	129	Status cod:	008
Source:	gps		
Latitude27:	33.773672		
Longitude2:	-118.205634		
Latitude83:	33.77369		
Longitude8:	-118.206536		
Td:	0		
Sec:	2		
Twn:	5S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015119

143
SW
1/2 - 1 Mile

OIL_GAS CAOG60000015520

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Apinumber:	03703534	Operator:	Mobil Oil Corp.
Lease:	Not Reported	Well no:	M517E
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	127	Status cod:	014
Source:	hud		
Latitude27:	33.777035		
Longitude2:	-118.213303		
Latitude83:	33.777053		
Longitude8:	-118.214206		
Td:	0		
Sec:	35		
Twn:	4S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015520

X144 South 1/2 - 1 Mile

OIL_GAS CAOG60000015112

Apinumber:	03703903	Operator:	Pacific Energy Resources Ltd.
Lease:	N-1-C	Well no:	202
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	129	Status cod:	008
Source:	gps		
Latitude27:	33.773626		
Longitude2:	-118.205631		
Latitude83:	33.773644		
Longitude8:	-118.206533		
Td:	0		
Sec:	2		
Twn:	5S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015112

Z145 SSW 1/2 - 1 Mile

OIL_GAS CAOG60000015158

Apinumber:	03703513	Operator:	Tidelands Oil Production Co.
Lease:	Not Reported	Well no:	M489E
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	127	Status cod:	014
Source:	hud		
Latitude27:	33.773928		
Longitude2:	-118.207117		
Latitude83:	33.773946		
Longitude8:	-118.208019		
Td:	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sec:	2	Rge:	13W
Twn:	5S		
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015158

Z146 SSW 1/2 - 1 Mile

OIL_GAS CAOG60000015151

Apinumber:	03703510	Operator:	Tidelands Oil Production Co.
Lease:	Not Reported	Well no:	M483E
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	127	Status cod:	014
Source:	hud		
Latitude27:	33.773901		
Longitude2:	-118.207077		
Latitude83:	33.773919		
Longitude8:	-118.207979		
Td:	0		
Sec:	2		
Twn:	5S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015151

AA147 SSW 1/2 - 1 Mile

OIL_GAS CAOG60000015250

Apinumber:	03703507	Operator:	Mobil Oil Corp.
Lease:	Not Reported	Well no:	M479E
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	127	Status cod:	014
Source:	hud		
Latitude27:	33.774559		
Longitude2:	-118.209176		
Latitude83:	33.774577		
Longitude8:	-118.210078		
Td:	0		
Sec:	35		
Twn:	4S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015250

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

X148
South
1/2 - 1 Mile

OIL_GAS CAOG60000015105

Apinumber:	03703904	Operator:	Pacific Energy Resources Ltd.
Lease:	N-1-C	Well no:	203
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	129	Status cod:	008
Source:	gps		
Latitude27:	33.773574		
Longitude2:	-118.205636		
Latitude83:	33.773592		
Longitude8:	-118.206538		
Td:	0		
Sec:	2		
Twn:	5S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015105

X149
South
1/2 - 1 Mile

OIL_GAS CAOG60000015099

Apinumber:	03703905	Operator:	Pacific Energy Resources Ltd.
Lease:	N-1-C	Well no:	204
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	129	Status cod:	136
Source:	gps		
Latitude27:	33.773528		
Longitude2:	-118.205635		
Latitude83:	33.773546		
Longitude8:	-118.206537		
Td:	0		
Sec:	2		
Twn:	5S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015099

150
SW
1/2 - 1 Mile

OIL_GAS CAOG60000015432

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Apinumber:	03721335	Operator:	ARCO Western Energy
Lease:	Not Reported	Well no:	1
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	127	Status cod:	014
Source:	hud		
Latitude27:	33.776085		
Longitude2:	-118.212262		
Latitude83:	33.776103		
Longitude8:	-118.213165		
Td:	0		
Sec:	35		
Twn:	4S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015432

X151 SSW 1/2 - 1 Mile

OIL_GAS CAOG60000015113

Apinumber:	03703657	Operator:	D. J. Pickrell & E. W. Meyer
Lease:	San Carlos	Well no:	1
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	127	Status cod:	014
Source:	hud		
Latitude27:	33.773628		
Longitude2:	-118.206335		
Latitude83:	33.773646		
Longitude8:	-118.207237		
Td:	0		
Sec:	2		
Twn:	5S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015113

X152 South 1/2 - 1 Mile

OIL_GAS CAOG60000015095

Apinumber:	03703906	Operator:	Pacific Energy Resources Ltd.
Lease:	N-1-C	Well no:	205
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	129	Status cod:	136
Source:	gps		
Latitude27:	33.773476		
Longitude2:	-118.205633		
Latitude83:	33.773494		
Longitude8:	-118.206535		
Td:	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sec:	2	Rge:	13W
Twn:	5S		
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015095

AA153 SSW 1/2 - 1 Mile

OIL_GAS CAOG60000015282

Apinumber:	03704612	Operator:	Mobil Oil Corp.
Lease:	Not Reported	Well no:	M478E
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	127	Status cod:	014
Source:	hud		
Latitude27:	33.774765		
Longitude2:	-118.210027		
Latitude83:	33.774783		
Longitude8:	-118.210929		
Td:	0		
Sec:	35		
Twn:	4S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015282

X154 South 1/2 - 1 Mile

OIL_GAS CAOG60000015085

Apinumber:	03703907	Operator:	Pacific Energy Resources Ltd.
Lease:	N-1-C	Well no:	206
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	129	Status cod:	136
Source:	gps		
Latitude27:	33.773425		
Longitude2:	-118.205632		
Latitude83:	33.773443		
Longitude8:	-118.206534		
Td:	0		
Sec:	2		
Twn:	5S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015085

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

X155
South
1/2 - 1 Mile

OIL_GAS CAOG60000015079

Apinumber:	03720572	Operator:	Pacific Energy Resources Ltd.
Lease:	N-1-C	Well no:	232
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	129	Status cod:	034
Source:	hud		
Latitude27:	33.773402		
Longitude2:	-118.205625		
Latitude83:	33.77342		
Longitude8:	-118.206527		
Td:	0		
Sec:	2		
Twn:	5S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	P
District:	1	Site id:	CAOG60000015079

AB156
SW
1/2 - 1 Mile

OIL_GAS CAOG60000015591

Apinumber:	03703531	Operator:	Mobil Oil Corp.
Lease:	Not Reported	Well no:	M513E
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	127	Status cod:	014
Source:	hud		
Latitude27:	33.777806		
Longitude2:	-118.214565		
Latitude83:	33.777824		
Longitude8:	-118.215468		
Td:	0		
Sec:	35		
Twn:	4S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015591

X157
South
1/2 - 1 Mile

OIL_GAS CAOG60000015075

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Apinumber:	03703908	Operator:	Pacific Energy Resources Ltd.
Lease:	N-1-C	Well no:	207
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	129	Status cod:	136
Source:	gps		
Latitude27:	33.773378		
Longitude2:	-118.205628		
Latitude83:	33.773396		
Longitude8:	-118.20653		
Td:	0		
Sec:	2		
Twn:	5S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015075

AC158 WSW 1/2 - 1 Mile

OIL_GAS CAOG60000015944

Apinumber:	03703715	Operator:	Tidelands Oil Production Co.
Lease:	Not Reported	Well no:	M823D
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	127	Status cod:	014
Source:	hud		
Latitude27:	33.782339		
Longitude2:	-118.217474		
Latitude83:	33.782357		
Longitude8:	-118.218377		
Td:	0		
Sec:	35		
Twn:	4S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015944

X159 South 1/2 - 1 Mile

OIL_GAS CAOG60000015066

Apinumber:	03703909	Operator:	Pacific Energy Resources Ltd.
Lease:	N-1-C	Well no:	208
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	129	Status cod:	136
Source:	gps		
Latitude27:	33.77333		
Longitude2:	-118.205629		
Latitude83:	33.773348		
Longitude8:	-118.206531		
Td:	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sec:	2	Rge:	13W
Twn:	5S		
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015066

AD160 WSW 1/2 - 1 Mile

OIL_GAS CAOG60000015828

Apinumber:	03703718	Operator:	Tidelands Oil Production Co.
Lease:	Not Reported	Well no:	M828D
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	127	Status cod:	014
Source:	hud		
Latitude27:	33.780903		
Longitude2:	-118.216941		
Latitude83:	33.780921		
Longitude8:	-118.217844		
Td:	0		
Sec:	35		
Twn:	4S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015828

X161 South 1/2 - 1 Mile

OIL_GAS CAOG60000015053

Apinumber:	03703910	Operator:	Pacific Energy Resources Ltd.
Lease:	N-1-C	Well no:	209
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	129	Status cod:	008
Source:	gps		
Latitude27:	33.773272		
Longitude2:	-118.205638		
Latitude83:	33.77329		
Longitude8:	-118.20654		
Td:	0		
Sec:	2		
Twn:	5S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015053

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

Y162
WSW
1/2 - 1 Mile

OIL_GAS CAOG60000015717

Apinumber:	03703546	Operator:	Tidelands Oil Production Co.
Lease:	Not Reported	Well no:	6-W
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	127	Status cod:	134
Source:	hud		
Latitude27:	33.779451		
Longitude2:	-118.216119		
Latitude83:	33.779469		
Longitude8:	-118.217022		
Td:	0		
Sec:	35		
Twn:	4S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015717

Z163
SSW
1/2 - 1 Mile

OIL_GAS CAOG60000015156

Apinumber:	03703508	Operator:	Tidelands Oil Production Co.
Lease:	Not Reported	Well no:	M480E
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	127	Status cod:	134
Source:	gps		
Latitude27:	33.773921		
Longitude2:	-118.208439		
Latitude83:	33.773939		
Longitude8:	-118.209341		
Td:	0		
Sec:	2		
Twn:	5S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015156

X164
South
1/2 - 1 Mile

OIL_GAS CAOG60000015047

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Apinumber:	03703911	Operator:	Pacific Energy Resources Ltd.
Lease:	N-1-C	Well no:	210
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	129	Status cod:	008
Source:	gps		
Latitude27:	33.773225		
Longitude2:	-118.205603		
Latitude83:	33.773243		
Longitude8:	-118.206505		
Td:	0		
Sec:	2		
Twn:	5S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015047

AE165

West

1/2 - 1 Mile

OIL_GAS

CAOG60000016009

Apinumber:	03704608	Operator:	Petroleum Midway Co.
Lease:	Kupfer Community	Well no:	8
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	128	Status cod:	014
Source:	hud		
Latitude27:	33.783366		
Longitude2:	-118.218096		
Latitude83:	33.783384		
Longitude8:	-118.218999		
Td:	0		
Sec:	35		
Twn:	4S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000016009

AB166

SW

1/2 - 1 Mile

OIL_GAS

CAOG60000015566

Apinumber:	03703543	Operator:	Tidelands Oil Production Co.
Lease:	Not Reported	Well no:	M527ER
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	127	Status cod:	008
Source:	gps		
Latitude27:	33.777533		
Longitude2:	-118.2148		
Latitude83:	33.777551		
Longitude8:	-118.215703		
Td:	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sec:	35	Rge:	13W
Twn:	4S		
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015566

AE167 West 1/2 - 1 Mile

OIL_GAS CAOG60000016040

Apinumber:	03701490	Operator:	Global Oil Production LLC
Lease:	Nwu	Well no:	423-4
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	128	Status cod:	008
Source:	gps		
Latitude27:	33.784019		
Longitude2:	-118.21826		
Latitude83:	33.784037		
Longitude8:	-118.219163		
Td:	0		
Sec:	35		
Twn:	4S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000016040

AF168 SSW 1/2 - 1 Mile

OIL_GAS CAOG60000015283

Apinumber:	03703519	Operator:	Tidelands Oil Production Co.
Lease:	Not Reported	Well no:	M495E
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	127	Status cod:	008
Source:	gps		
Latitude27:	33.77477		
Longitude2:	-118.211011		
Latitude83:	33.774788		
Longitude8:	-118.211914		
Td:	0		
Sec:	35		
Twn:	4S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015283

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

X169
South
1/2 - 1 Mile

OIL_GAS CAOG60000015011

Apinumber:	03702271	Operator:	Pacific Energy Resources Ltd.
Lease:	L.A.C.F.C.D.	Well no:	C-17B
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	129	Status cod:	236
Source:	hud		
Latitude27:	33.773036		
Longitude2:	-118.205627		
Latitude83:	33.773054		
Longitude8:	-118.206529		
Td:	0		
Sec:	2		
Twn:	5S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015011

AB170
SW
1/2 - 1 Mile

OIL_GAS CAOG60000015552

Apinumber:	03703530	Operator:	Mobil Oil Corp.
Lease:	Not Reported	Well no:	M512E
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	127	Status cod:	014
Source:	hud		
Latitude27:	33.777368		
Longitude2:	-118.214677		
Latitude83:	33.777386		
Longitude8:	-118.21558		
Td:	0		
Sec:	35		
Twn:	4S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015552

AC171
WSW
1/2 - 1 Mile

OIL_GAS CAOG60000015980

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Apinumber:	03701487	Operator:	Global Oil Production LLC
Lease:	Nwu	Well no:	424-7
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	128	Status cod:	008
Source:	hud		
Latitude27:	33.782916		
Longitude2:	-118.218051		
Latitude83:	33.782934		
Longitude8:	-118.218954		
Td:	0		
Sec:	35		
Twn:	4S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015980

AB172 SW 1/2 - 1 Mile

OIL_GAS CAOG60000015562

Apinumber:	03703542	Operator:	Tidelands Oil Production Co.
Lease:	Not Reported	Well no:	M526E
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	127	Status cod:	008
Source:	gps		
Latitude27:	33.777494		
Longitude2:	-118.214823		
Latitude83:	33.777512		
Longitude8:	-118.215726		
Td:	0		
Sec:	35		
Twn:	4S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015562

AC173 WSW 1/2 - 1 Mile

OIL_GAS CAOG60000015903

Apinumber:	03703714	Operator:	Tidelands Oil Production Co.
Lease:	Not Reported	Well no:	M822D
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	127	Status cod:	014
Source:	hud		
Latitude27:	33.781812		
Longitude2:	-118.217706		
Latitude83:	33.78183		
Longitude8:	-118.218609		
Td:	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sec:	35	Rge:	13W
Twn:	4S		
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015903

AB174 SW 1/2 - 1 Mile

OIL_GAS CAOG60000015558

Apinumber:	03703541	Operator:	Tidelands Oil Production Co.
Lease:	Not Reported	Well no:	M525E
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	127	Status cod:	008
Source:	gps		
Latitude27:	33.777455		
Longitude2:	-118.214833		
Latitude83:	33.777473		
Longitude8:	-118.215736		
Td:	0		
Sec:	35	Rge:	13W
Twn:	4S		
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015558

AB175 SW 1/2 - 1 Mile

OIL_GAS CAOG60000015555

Apinumber:	03703221	Operator:	Tidelands Oil Production Co.
Lease:	Not Reported	Well no:	531-W
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	127	Status cod:	034
Source:	gps		
Latitude27:	33.777425		
Longitude2:	-118.214846		
Latitude83:	33.777443		
Longitude8:	-118.215749		
Td:	0		
Sec:	35	Rge:	13W
Twn:	4S		
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015555

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AB176
SW
1/2 - 1 Mile

OIL_GAS CAOG60000015557

Apinumber:	03703222	Operator:	Mobil Oil Corp.
Lease:	Not Reported	Well no:	532-W
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	127	Status cod:	134
Source:	hud		
Latitude27:	33.777444		
Longitude2:	-118.214883		
Latitude83:	33.777462		
Longitude8:	-118.215786		
Td:	0		
Sec:	35		
Twn:	4S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015557

AF177
SSW
1/2 - 1 Mile

OIL_GAS CAOG60000015268

Apinumber:	03703223	Operator:	Mobil Oil Corp.
Lease:	Not Reported	Well no:	533-W
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	127	Status cod:	134
Source:	hud		
Latitude27:	33.774671		
Longitude2:	-118.21104		
Latitude83:	33.774689		
Longitude8:	-118.211943		
Td:	0		
Sec:	35		
Twn:	4S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015268

AB178
SW
1/2 - 1 Mile

OIL_GAS CAOG60000015564

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Apinumber:	03704613	Operator:	Mobil Oil Corp.
Lease:	Not Reported	Well no:	M527E
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	127	Status cod:	008
Source:	hud		
Latitude27:	33.7775		
Longitude2:	-118.214941		
Latitude83:	33.777518		
Longitude8:	-118.215844		
Td:	0		
Sec:	35		
Twn:	4S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015564

AC179 WSW 1/2 - 1 Mile

OIL_GAS CAOG60000015866

Apinumber:	03703713	Operator:	Mobil Oil Corp.
Lease:	Not Reported	Well no:	M821D
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	127	Status cod:	014
Source:	hud		
Latitude27:	33.781313		
Longitude2:	-118.217705		
Latitude83:	33.781331		
Longitude8:	-118.218608		
Td:	0		
Sec:	35		
Twn:	4S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015866

Y180 WSW 1/2 - 1 Mile

OIL_GAS CAOG60000015682

Apinumber:	03703549	Operator:	Tidelands Oil Production Co.
Lease:	Not Reported	Well no:	10-W
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	127	Status cod:	034
Source:	gps		
Latitude27:	33.778935		
Longitude2:	-118.216378		
Latitude83:	33.778953		
Longitude8:	-118.217281		
Td:	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sec:	35	Rge:	13W
Twn:	4S		
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015682

AB181 SW 1/2 - 1 Mile

OIL_GAS CAOG60000015608

Apinumber:	03703522	Operator:	Mobil Oil Corp.
Lease:	Not Reported	Well no:	M502D
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	127	Status cod:	014
Source:	hud		
Latitude27:	33.778032		
Longitude2:	-118.215826		
Latitude83:	33.77805		
Longitude8:	-118.216729		
Td:	0		
Sec:	35	Rge:	13W
Twn:	4S		
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015608

AE182 West 1/2 - 1 Mile

OIL_GAS CAOG60000016049

Apinumber:	03701489	Operator:	Global Oil Production LLC
Lease:	Nwu	Well no:	72-3
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	128	Status cod:	008
Source:	gps		
Latitude27:	33.784136		
Longitude2:	-118.218754		
Latitude83:	33.784154		
Longitude8:	-118.219657		
Td:	0		
Sec:	35	Rge:	13W
Twn:	4S		
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000016049

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AF183
SSW
1/2 - 1 Mile

OIL_GAS CAOG60000015242

Apinumber:	03703506	Operator:	Tidelands Oil Production Co.
Lease:	Not Reported	Well no:	535-W
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	127	Status cod:	134
Source:	hud		
Latitude27:	33.774505		
Longitude2:	-118.211386		
Latitude83:	33.774523		
Longitude8:	-118.212289		
Td:	0		
Sec:	2		
Twn:	5S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	P
District:	1	Site id:	CAOG60000015242

AG184
WSW
1/2 - 1 Mile

OIL_GAS CAOG60000015742

Apinumber:	03703545	Operator:	Tidelands Oil Production Co.
Lease:	Not Reported	Well no:	M601D
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	127	Status cod:	008
Source:	gps		
Latitude27:	33.779723		
Longitude2:	-118.217281		
Latitude83:	33.779741		
Longitude8:	-118.218184		
Td:	0		
Sec:	35		
Twn:	4S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015742

AD185
WSW
1/2 - 1 Mile

OIL_GAS CAOG60000015853

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Apinumber:	03703712	Operator:	Mobil Oil Corp.
Lease:	Not Reported	Well no:	M820D
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	127	Status cod:	014
Source:	hud		
Latitude27:	33.781183		
Longitude2:	-118.218254		
Latitude83:	33.781201		
Longitude8:	-118.219157		
Td:	0		
Sec:	35		
Twn:	4S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015853

AH186 SW 1/2 - 1 Mile

OIL_GAS CAOG60000015407

Apinumber:	03703529	Operator:	Mobil Oil Corp.
Lease:	Not Reported	Well no:	M511E
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	127	Status cod:	014
Source:	hud		
Latitude27:	33.775963		
Longitude2:	-118.214205		
Latitude83:	33.775981		
Longitude8:	-118.215108		
Td:	0		
Sec:	35		
Twn:	4S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015407

AF187 SSW 1/2 - 1 Mile

OIL_GAS CAOG60000015162

Apinumber:	03703505	Operator:	Tidelands Oil Production Co.
Lease:	Not Reported	Well no:	M475E
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	127	Status cod:	014
Source:	hud		
Latitude27:	33.77394		
Longitude2:	-118.21103		
Latitude83:	33.773958		
Longitude8:	-118.211932		
Td:	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sec:	2	Rge:	13W
Twn:	5S		
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015162

AE188 WSW 1/2 - 1 Mile

OIL_GAS CAOG60000015973

Apinumber:	03703709	Operator:	Mobil Oil Corp.
Lease:	Not Reported	Well no:	69-W
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	128	Status cod:	136
Source:	hud		
Latitude27:	33.782845		
Longitude2:	-118.218941		
Latitude83:	33.782863		
Longitude8:	-118.219844		
Td:	0		
Sec:	35		
Twn:	4S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015973

AE189 West 1/2 - 1 Mile

OIL_GAS CAOG60000016035

Apinumber:	03702061	Operator:	Inter-Counties Petroleum Co.
Lease:	Edgar	Well no:	1
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	128	Status cod:	006
Source:	hud		
Latitude27:	33.783977		
Longitude2:	-118.219238		
Latitude83:	33.783995		
Longitude8:	-118.220141		
Td:	0		
Sec:	35		
Twn:	4S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000016035

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AI190
South
1/2 - 1 Mile

OIL_GAS CAOG60000014857

Apinumber:	03702270	Operator:	Pacific Energy Resources Ltd.
Lease:	L.A.C.F.C.D.	Well no:	C-16
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	129	Status cod:	136
Source:	hud		
Latitude27:	33.77211		
Longitude2:	-118.205641		
Latitude83:	33.772128		
Longitude8:	-118.206543		
Td:	0		
Sec:	2		
Twn:	5S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000014857

191
WSW
1/2 - 1 Mile

OIL_GAS CAOG60000015871

Apinumber:	03703711	Operator:	Mobil Oil Corp.
Lease:	Not Reported	Well no:	M819D
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	127	Status cod:	014
Source:	hud		
Latitude27:	33.781355		
Longitude2:	-118.218713		
Latitude83:	33.781373		
Longitude8:	-118.219616		
Td:	0		
Sec:	35		
Twn:	4S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015871

AI192
SSW
1/2 - 1 Mile

OIL_GAS CAOG60000014871

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Apinumber:	03701456	Operator:	F. E. Fairfield
Lease:	Channel 3 Community	Well no:	4
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	127	Status cod:	014
Source:	hud		
Latitude27:	33.772197		
Longitude2:	-118.206697		
Latitude83:	33.772215		
Longitude8:	-118.207599		
Td:	0		
Sec:	2		
Twn:	5S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000014871

193 West 1/2 - 1 Mile

OIL_GAS CAOG60000016235

Apinumber:	03705051	Operator:	Global Oil Production LLC
Lease:	Nwu	Well no:	74-1
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	128	Status cod:	008
Source:	gps		
Latitude27:	33.786617		
Longitude2:	-118.219762		
Latitude83:	33.786635		
Longitude8:	-118.220665		
Td:	0		
Sec:	35		
Twn:	4S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000016235

AJ194 SW 1/2 - 1 Mile

OIL_GAS CAOG60000015484

Apinumber:	03703523	Operator:	Mobil Oil Corp.
Lease:	Not Reported	Well no:	M504D
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	127	Status cod:	134
Source:	hud		
Latitude27:	33.7767		
Longitude2:	-118.215798		
Latitude83:	33.776718		
Longitude8:	-118.216701		
Td:	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sec:	35	Rge:	13W
Twn:	4S		
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015484

AH195 SW 1/2 - 1 Mile

OIL_GAS CAOG60000015390

Apinumber:	03703528	Operator:	Mobil Oil Corp.
Lease:	Not Reported	Well no:	M510E
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	127	Status cod:	014
Source:	hud		
Latitude27:	33.77579		
Longitude2:	-118.214944		
Latitude83:	33.775808		
Longitude8:	-118.215847		
Td:	0		
Sec:	35	Rge:	13W
Twn:	4S		
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015390

AK196 SSW 1/2 - 1 Mile

OIL_GAS CAOG60000015155

Apinumber:	03703501	Operator:	Mobil Oil Corp.
Lease:	Not Reported	Well no:	M469D
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	127	Status cod:	014
Source:	hud		
Latitude27:	33.773919		
Longitude2:	-118.21226		
Latitude83:	33.773937		
Longitude8:	-118.213163		
Td:	0		
Sec:	2	Rge:	13W
Twn:	5S		
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015155

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AJ197
SW
1/2 - 1 Mile

OIL_GAS CAOG60000015561

Apinumber:	03703550	Operator:	Tidelands Oil Production Co.
Lease:	Not Reported	Well no:	M608D
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	127	Status cod:	014
Source:	hud		
Latitude27:	33.777483		
Longitude2:	-118.216729		
Latitude83:	33.777501		
Longitude8:	-118.217632		
Td:	0		
Sec:	35		
Twtn:	4S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015561

AK198
SW
1/2 - 1 Mile

OIL_GAS CAOG60000015192

Apinumber:	23701296	Operator:	ARCO Western Energy
Lease:	P & G	Well no:	4
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	127	Status cod:	014
Source:	hud		
Latitude27:	33.774101		
Longitude2:	-118.212741		
Latitude83:	33.774119		
Longitude8:	-118.213644		
Td:	0		
Sec:	2		
Twtn:	5S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015192

AG199
WSW
1/2 - 1 Mile

OIL_GAS CAOG60000015662

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Apinumber:	03703548	Operator:	Tidelands Oil Production Co.
Lease:	Not Reported	Well no:	M606D
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	127	Status cod:	008
Source:	gps		
Latitude27:	33.778725		
Longitude2:	-118.217797		
Latitude83:	33.778743		
Longitude8:	-118.2187		
Td:	0		
Sec:	35		
Twn:	4S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015662

200 West 1/2 - 1 Mile

OIL_GAS **CAOG60000015988**

Apinumber:	03703799	Operator:	Oryx Energy Co.
Lease:	Kupfer	Well no:	G-1
Field:	WILMINGTON	Caog m2 area:	Not Reported
Map:	128	Status cod:	014
Source:	hud		
Latitude27:	33.783106		
Longitude2:	-118.219778		
Latitude83:	33.783124		
Longitude8:	-118.220681		
Td:	0		
Sec:	35		
Twn:	4S	Rge:	13W
Bm:	SB		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	12/12/1968
Abanddate:	12/30/1899	Comments 1:	Not Reported
District:	1	Site id:	CAOG60000015988

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

Federal EPA Radon Zone for LOS ANGELES County: 2

Note: Zone 1 indoor average level > 4 pCi/L.

: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.

: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for LOS ANGELES COUNTY, CA

Number of sites tested: 63

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.711 pCi/L	98%	2%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	0.933 pCi/L	100%	0%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2009 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Water Well Database

Source: Department of Water Resources

Telephone: 916-651-9648

California Drinking Water Quality Database

Source: Department of Health Services

Telephone: 916-324-2319

The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

OTHER STATE DATABASE INFORMATION

California Oil and Gas Well Locations

Source: Department of Conservation

Telephone: 916-323-1779

Oil and Gas well locations in the state.

RADON

State Database: CA Radon

Source: Department of Health Services

Telephone: 916-324-2208

Radon Database for California

Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRRA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

STREET AND ADDRESS INFORMATION

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APPENDIX F

RESUMES OF PROJECT PERSONNEL

KEVIN W. GREEN, PG, REA

Education

BS – Marine Biology, California State University, Long Beach, 1978

Professional Licenses

Professional Geologist – California, 1994 (No. 5906)

Registered Environmental Assessor – California, 1992 (No. REA-03945)

Professional Affiliations

National Ground Water Association

ASTM – Vapor Intrusion Task Group E 50.02.06

Professional Experience

Mr. Green has a background in geology and paleontology. Since joining SCS in 1987, he has participated in numerous projects related to the investigation and remediation of hazardous chemicals in soils and groundwater. Selected project activities include:

- Project Manager for hundreds of Phase I environmental assessments. These projects—completed in accordance with various lender, ASTM, or government guidelines—consist of evaluating current on-site operations, generation of historical property use information, identifying potentially contaminated sites in the surrounding areas, review of previous reports and/or files maintained by regulatory agencies, and conclusions and recommendations regarding the presence of Recognized Environmental Conditions and further investigation.
- Hundreds of investigations of known or suspected hazardous waste sites to identify and characterize chemicals of concern in soil, soil vapor, and groundwater in accordance with regulatory requirements. Contaminants include a variety of hydrocarbon products, solvents, heavy metals, polychlorinated biphenyls (PCBs), and pesticides.
- Project Manager for numerous soil gas surveys utilized to assess the presence, nature, and extent of volatile organic compounds and/or methane related to contaminated soils, groundwater, and/or landfills. Elements of these projects have included assessments of vapor intrusion, protection of structures from subsurface gases, monitoring of indoor air, and health risk assessments.
- Numerous projects related to the removal, investigation, and remediation of contamination from leaking underground storage tanks. In accordance with requirements of the various regulatory agencies throughout Southern California, these UST projects have included soil, soil gas and groundwater contamination, and have included such tasks as: evaluation of site and regional hydrogeologic conditions; development work plans and health and safety plans; coordinate and conduct tank

removals; design of the investigative programs; review and selection of potential remedial alternatives; preparation of summary reports of findings; support of legal counsel in cost recovery actions; and support of client in cost recovery actions with the California UST Cleanup Fund.

- Project Manager for numerous remediation projects involving various hydrocarbon products, pesticides, chlorinated solvents, and/or heavy metals. Remediation projects include excavation and disposal of soils; on- and off-site treatment of soils; recovery and treatment/disposal of free product and groundwater; and the design, installation, and operation of vapor extraction systems for soil and groundwater contaminated with volatile organic compounds.
- Evaluation of environmental conditions at sanitary landfills. Mr. Green was Task Manager for the installation and sampling of groundwater monitoring wells at and adjacent to existing landfills to determine the presence of leachate. This work was done in accordance with state regulations and local ordinances.
- Project Manager for numerous lead-based paint (LBP) surveys and abatement projects for single and multifamily residential developments, commercial and public buildings. These projects consist of determining paint and/or dust sampling methodologies; interpretation of testing results; evaluation and recommendations for appropriate LBP hazards abatement; development of LBP abatement specifications; coordination and selection of licensed LBP abatement subcontractors; collection and analysis of abatement confirmation samples; characterization of waste materials; and preparation of summary reports documenting LBP surveys and the appropriate removal and disposal of LBP-related hazards.
- Expert testimony and research support for litigation related to environmental assessments, and the investigation and remediation of hazardous waste sites.

Project experience is as follows:

Project Manager for assessment and vapor extraction remediation of a former industrial dry cleaning facility. Tasks included initial indoor air assessment for Proposition 65 compliance; coordination of equipment, subcontractors, and personnel for the installation of vapor extraction and monitoring wells, header lines, and vapor extraction system (VES), including acid “scrubber” for treated vapors, treatment pad and enclosure, electrical power, natural gas, water supply and wastewater discharge; city, county and AQMD permits; operation and maintenance of VES; regulatory reporting; and decommissioning of VES upon regulatory closure.

Project Director for general environmental consulting services for the Community Redevelopment Agency of the City of Los Angeles, CA. With approximately 93 work order directives for services, these projects include initial site assessments, asbestos-containing material (ACM) surveys, lead-based paint (LBP) surveys, soil gas surveys, soils investigations, groundwater investigations, remedial and abatement activities for soils, asbestos, and LBP, second-party reviews of reports and work completed by other environmental consultants, underground storage tank (UST) removals, groundwater well destruction, and an environmental

audit of hazardous materials handling practices of the client's operations. These projects were completed on vacant, former oil field, residential, commercial, industrial, and manufacturing properties ranging in size from a single lot to a 29-block mixed-use area. In addition to ACMs and LBP, constituents of concern that have been identified include a variety of petroleum hydrocarbon products, chlorinated solvents, heavy metals, PCBs, pesticides, and subsurface combustible gases such as methane and volatile organic compounds.

Project Director for Brownfields Redevelopment Site, Los Angeles, CA. SCS completed several phases of environmental services to facilitate the mixed-use redevelopment of property for a parking garage, childcare center, and affordable housing. Historical machine shop operations had resulted in a release of the chlorinated solvent PCE to soils. Although some cleanup was conducted in the early 1990s, residual PCE contamination remained. In accordance with current standards and with the proposed goal of affordable housing and childcare center, SCS re-investigated the site under the oversight of the Los Angeles RWQCB. Services provided for this project included investigations of soil and soil gas, health risk assessment and selection of remedial and mitigation options, design of vapor barrier to protect the building from chlorinated solvents, coordination and oversight remedial excavation, oversight and certification for installation of a sub-building vapor barrier, post-construction monitoring of indoor, background and sub-slab air to confirm that remediation and mitigation measures have met regulatory goals, and coordination of a "no further action" letter from the regulatory authority.

Project Director for due diligence investigations, manufacturing facility, Torrance, CA. SCS conducted a series of environmental assessments, investigations, and remedial activities that provided sufficient information to identify the environmental issues, business risks and facilitate the client's successful sale of property. A number of recognized environmental conditions including former and existing underground fuel storage tanks, a machine shop, wastewater treatment sumps and clarifier, paint shop, chemical storage, and chlorinated solvent degreasing operations were identified. Project activities included: shallow and deep soil and soil vapor investigations, followed by groundwater sampling; geophysical survey and excavations to find an existing diesel UST previously closed in-place, removal of the UST, and remedial excavations under Torrance Fire Department oversight to obtain closure; long-term soil vapor extraction pilot test including a workplan submitted to the Los Angeles Regional Board, installation of vapor extraction and monitoring wells, SVE Pilot Test Report, and recommendations for further SVE.

Project Manager for the investigation, abatement, and subsequent demolition of a building containing a shooting range, as a part of a RCRA (Resource, Conservation and Recovery Act) facility closure under oversight by the California Department of Toxic Substance Control. Lead-containing dust from the shooting range was found to have contaminated building materials and soils. This project involved the selection of remedial methods and contractors, monitoring of workers to assess exposure to lead-containing dust, monitoring of dust emissions during demolition to confirm compliance, confirmation sampling and analyses, characterization of wastes for disposal, and submittal of a summary report documenting the appropriate remediation and disposal of lead-containing wastes.

Project Director for the investigation and remediation of a former wood treating facility under the oversight of the California Department of Toxic Substance Control. Chemicals of potential concern include pentachlorophenol, creosote, diesel fuel, methylene chloride, zinc, copper, and arsenic. Project elements included a Remedial Investigation/Feasibility Study (RI/FS) report for

vadose zone soil, including a Health Risk Assessment; Remedial Action Plan for impacted soil, which recommended capping as the most feasible remedial alternative; a cone penetrometer (CPT) study aimed at further defining site stratigraphy, evaluating for the presence of nonaqueous phase liquids, and mapping the areal distribution of chemicals of concern; quarterly groundwater monitoring from 16 wells; Storm Water Pollution Prevention Plan and monitoring; and assistance to client in development and/or sale of the property.

Project Manager for well investigation program compliance under Regional Water Quality Control Board (RWQCB) oversight at a jet engine repair, maintenance, and testing facility.

Information from this investigation was used by the USEPA to identify Potentially Responsible Parties for the San Fernando Valley Superfund site. On-site operations included 14 USTs; numerous clarifiers, sumps, and drain lines; plating, machining, and painting shops; a jet engine test facility; and solvent, alkaline, and steam cleaning facilities. Approximately 70 exploratory soil borings were drilled and analyzed for chlorinated solvents, heavy metals, cyanide, and various hydrocarbon products, such as gasoline, machining and waste oils, Stoddard solvent, and jet fuel. A soil gas survey of the facility was also conducted to screen for potential contamination by volatile organic compounds, including the installation of multi-depth, nested soil vapor monitoring wells. Fate and transport modeling of chlorinated solvents was used to assess the potential for impacts to groundwater. The RWQCB issued a No Further Action letter for the investigation and remediation of chlorinated solvents at the site. The project also included design, permitting, construction, and operation and maintenance of a hot air-assisted Vapor Extraction System to remediate Jet A-impacted soils. After 1 year of operation, remediation was sufficient to obtain closure with no further requirements from the RWQCB. Further, as a part of the decommissioning and demolition of the facility, a comprehensive survey for asbestos-containing materials (ACMs) in nine buildings was conducted. SCS prepared plans and specifications for the abatement of ACMs, assisted the client in selection of an abatement contractor, conducted daily oversight of abatement activities including air monitoring, and prepared a final report documenting the appropriate removal and disposal of ACMs.

Mr. Green has participated in a certified health and safety program in compliance with OSHA Standard 29 CFR 1910.120. He is knowledgeable in incident response operations, team functions, personnel safety, and field equipment. He is able to recognize and evaluate potential chemical and physical hazards and associated risks in field operations; discuss and use personnel protective equipment such as respiratory protection and protective clothing; use and interpret direct-reading instruments; and examine and establish Standard Operating Safety Guidelines to ensure safe and effective response operations.

Mr. Green has been involved in numerous SCS projects related to hazardous waste characterization and management. He has experience in site assessment studies, underground tank investigations and their associated remediation programs, landfill studies, and geologic and hydrogeologic site characterization studies. His work experience includes all project phases from development of cost estimates for various site assessment and cleanup programs, to groundwater monitoring and sampling, to preparation of final reports and interfacing with regulatory agencies.

Publications and Presentations

Marsh, J. R., K. W. Green, and T. Dong. Phase I Assessments and Due Diligence: One and the Same? Environmental Engineering Forum, American Society of Civil Engineers, Environmental Engineering Division. Journal of Environmental Engineering. Vol. 120, No. 6, November/December 1994.

Green, K. W., and B. Garbaccio. Understanding and Interpreting a Site Investigation Report. California Redevelopment Journal. October 1994

Marsh, J. R., and K. W. Green. What Your Phase I Assessment Dollars Buy. California Redevelopment Association Journal. July 1994.

Marsh, J. R., K. W. Green, and T. Dong. Standardizing Environmental Assessments: A Practical Perspective. Journal of Environmental Engineering. Vol. 122, No. 3. March 1996.

Green, K. W., T. Dong, and D. R. Ness. Industrial Drycleaner Woes, Vernon, California. Proceedings of the Groundwater Resources Association. November 10, 2004.

Marsh, J. R., and K. W. Green. All Appropriate Inquiry - The New Phase I Standard. California Real Estate Journal. May 8, 2006.

ASHLEY P. HUTCHENS, REA

Education

BS – Environmental Science (emphasis in biology), Minor in Chemistry, University of North Carolina, Wilmington, 2000

Professional Licenses

Registered Environmental Assessor – California (No. 8241)

Specialty Certifications

OSHA 40-Hour Health and Safety Training for Hazardous Waste Workers
OSHA 8-Hour Hazardous Waste Supervisor Training
8-Hour Annual Refresher Training for Hazardous Waste Site Activities
First-Aid and CPR Training
Leadership Skills to Enhance Client Service

Professional Experience

Ms. Hutchens has 9 years of experience in environmental consulting, all with SCS. She has a diverse background in environmental sciences, and technical skills related to collection of soil samples, determination of soil classifications and properties, slope stability assessments, interpretation of depositional environments, and stratigraphic analysis. Since joining SCS, she has been involved in numerous projects related to the investigation of hazardous chemicals in soils and groundwater.

Environmental Management

Selected projects in which Ms. Hutchens has participated include:

Environmental assessments of properties prior to real estate transfer. These projects involve evaluation of past on-site operations, identifying potentially contaminated sites, and historical record searches of files maintained by regulatory agencies for both the subject and adjacent properties.

Site investigative activities, including preparation of work plans, conducting soil gas surveys, installation of soil borings and subsequent sampling, and evaluation of applicable remedial alternatives.

Groundwater and soil sampling. Projects involve precision mapping of sites, collection of soil and groundwater samples, soil-gas surveys, and evaluation of subsurface contaminants in groundwater in accordance with regulatory requirements or generally accepted guidelines.

Oversight of projects involving installation of landfill gas mitigation systems and monitoring wells, including lithologic logging and design quality assurance (QA) at numerous landfills in Southern California.

Coordination and direction of underground storage tank projects, including investigations, removals, and closures, and subsequent reporting to lead regulatory agencies.

Investigation of potential releases from underground storage tanks. Projects included preparation of workplans, coordination with regulatory agencies, oversight of field investigation activities, and preparation of investigation report.

Management, coordination, and direction of projects that include conducting soil vapor extraction pilot tests to remediate soil contaminated by tetrachloroethene (PCE).

Planning, coordination, and supervision of remedial actions that included excavation, transport, and disposal of contaminated soils. Work involved preparation of Remedial Action Plans, direction of confirmatory sampling, and interfacing with regulatory agencies.

Characterization of hazardous waste materials. These projects include collection of soil and/or liquid samples to profile the waste materials, interpretation of laboratory results, and evaluation of disposal/recycling options to minimize the costs and liabilities to clients associated with the removal of wastes.

Ms. Hutchens has participated in a certified health and safety program in compliance with OSHA Standard 29 CFR 1910.120. She is knowledgeable in incident response operations, team functions, personnel safety, and field equipment. She is able to recognize and evaluate potential chemical and physical hazards and associated risks in field operations; discuss and use personnel protective equipment such as respiratory protection and protective clothing; use and interpret direct-reading instruments; and examine and establish Standard Operating Safety Guidelines to ensure safe and effective response operations.

**PHASE II SITE INVESTIGATION REPORT
FORMER LONG BEACH PUBLIC SERVICE YARD
949 W ANAHEIM STREET
LONG BEACH, CALIFORNIA 90813
(APN 7172-007-903)**

Prepared for:

Alere Property Group, LLC

100 Bayview Circle, Suite 310
Newport Beach, CA 92660
(949) 509-5002

Prepared by:

SCS ENGINEERS

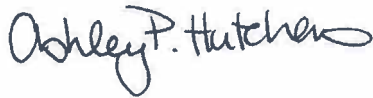
3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806-6816
(562) 426-9544

December 1, 2010
File No. 01210161.01

This Phase II Site Investigation Report dated December 1, 2010, for the Property located at 949 West Anaheim Street, Long Beach, California, was prepared, and reviewed by the following:



Aaron Garrett
Staff Engineer



Ashley P. Hutchens, REA
Senior Project Scientist



Kevin W. Green, PG, REA
Vice President
SCS ENGINEERS

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Appendices

- A City of Long Beach Soil Boring Permit
- B Boring Logs
- C Chemtek Laboratory Report

DISCLAIMER

This report has been prepared for the Alere Property Group, LLC with specific application to a Phase II investigation conducted at 949 West Anaheim Street, Long Beach, California. The purpose of this investigation was to assess the potential for gasoline impacts to the Property associated with a historical gasoline station that may have been located on the Property.

The report has been prepared in accordance with the care and skill generally exercised by reputable professionals, under similar circumstances, in this or similar localities. No other warranty, expressed or implied, is made as to the professional opinions presented herein. No other party, known or unknown to SCS Engineers, is intended as a beneficiary of this work product, its content or information embedded therein. Third parties use this report at their own risk.

1 INTRODUCTION

SCS Engineers (SCS) was retained by the Alere Property Group, LLC to conduct a Phase II Site Investigation on a portion of the former City Tow Yard facility located at 901/949 West Anaheim Street in Long Beach, California (APN 7271-007-903; the “Property”). A map showing the general location of the Property and surrounding area is provided as **Figure 1**. Investigation activities were conducted in accordance with SCS’s proposal dated November 4, 2010.

BACKGROUND

A Draft Phase I Environmental Assessment (Phase I) report by SCS, dated November 5, 2010, identified a historical gas station (based on city directory listings) at 949 West Anaheim Street in 1931 and 1935. This address (949) is not a known or confirmed address on the Property. Based on present geo-coding, 949 Anaheim would be located near the southwestern corner of the Property. However, historic aerial photographs from 1928 show the Property vacant except for a building on the southeastern corner. In 1939 this same building was occupied by a lumber company. Based on the potential for contamination, SCS concluded this unconfirmed historic service station was a Recognized Environmental Condition and recommended further investigation. This report documents investigation activities conducted by SCS across the southern portion of the Property to assess the potential for contamination.

2 GEOLOGIC AND HYDROGEOLOGIC CONDITIONS

PHYSIOGRAPHIC SETTING

According to the U.S. Geological Survey (USGS), Long Beach (1964, photorevised 1981), California 7.5 minute topographic map, the Property is located immediately east of the Los Angeles River at an elevation of approximately five feet above mean sea level about 1.3 miles north of San Pedro Bay. Regional topography is relatively flat with a gentle slope to the west.

GEOLOGY AND SOILS

Geologic maps indicate that surface sediments in the area are Quaternary alluvium and coastal deposits of silt, sand, and gravel that are underlain by the late Pleistocene Lakewood Formation. The Lakewood Formation, which consists of gravel, sand, sandy silt, silt and clay with shale pebbles, extends to a depth of approximately 100 feet (California DWR, Bulletin No.104). Sediments below the Lakewood Formation belong to the late Pleistocene San Pedro Formation.

GROUNDWATER

The Property is located in the southern portion of the West Coast Groundwater Basin. The first groundwater aquifer in the region is within the Gage Aquifer within the Lakewood Formation. Based on groundwater monitoring reports for a former UST site located in the 14th Street right-of-way on the north boundary of the Property, first groundwater is approximately 4 to 5 feet below grade and flows southeasterly in direction. Shallow groundwater has locally been

impacted by saltwater intrusion; therefore, it is not used as a drinking water source. Groundwater beneath the Property may be tidally influenced due to tides in the adjacent Los Angeles River.

3 SITE INVESTIGATION

PERMITTING AND SUBSURFACE UTILITIES CLEARANCE

As required by law, SCS contacted Underground Service Alert prior to conducting any subsurface work (Dig Alert No. A0319288). Goldak Inc. of Glendale, California, conducted a geophysical survey to clear boring locations of subsurface utilities and other potential obstructions. In addition, SCS obtained a soil boring permit from the City of Long Beach, Department of Health and Human Services (Permit # 1700, **Appendix A**).

SOIL SAMPLE COLLECTION

On November 18, 2010, a total of 10 soil borings (SB1 through SB10) were advanced on the Property as shown on **Figure 2**. Soil borings SB2 through SB9 were drilled using a truck-mounted direct-push drill rig. Borings SB1 and SB10 were drilled inside the structure located on the southeastern corner of the Property and therefore drilled using a limited-access drill rig. Both drill rigs, operated by Kehoe Testing and Engineering of Huntington Beach, California, were equipped with a hydraulic hammer and a 2-foot long, 2-inch diameter sampler. A pointed steel tip was fixed to the head of the solid-spoon sampler and driven to the desired depth on a steel rod. Soil matrix samples were collected by retracting the drive tip through the center of the sampler with an inner rod, and hydraulically hammering the sampler an additional two feet. Soil samples were recovered in two-foot long, 1.5-inch diameter pre-cleaned acetate sleeves that had been placed inside the sampler. At each sample interval, an approximately 6-inch section was cut from the sample sleeve and preserved for subsequent laboratory analysis.

Standard three-step decontamination procedures were used for all sampling equipment between each sampling depth and each boring. New latex surgical gloves were used and frequently replaced in the handling of all soil samples to prevent cross-contamination.

A portion of each sample was placed in a zip-lock bag for lithologic determination and to screen samples for organic vapors in the field using a photo-ionization detector (PID). There were no obvious signs of fuel-impacts (such as odors, staining, or PID readings) noted in any of the soil samples collected. Copies of boring logs are included in **Appendix B**.

Samples selected for analysis of volatile organic compounds (VOCs) were prepared in the field using EPA Method 5035, which includes the collection of three five-gram aliquots of soil from each soil sample using a plunger/sub-sampler provided by the laboratory. The three aliquots of soil were immediately placed in 40 milliliter VOA (volatile organic analysis) vials as follows – two aliquots in VOAs with a sodium bisulfate preservative and one aliquot in a methanol preservative. Following recovery of soil samples a portion of each sleeve was retained and prepared for subsequent laboratory analysis. The ends were covered with Teflon squares, sealed with plastic end caps, and secured with non-volatile tape.

A solvent-free label noting the date of collection, sample number, and project number was affixed to each sample container. Immediately following labeling, samples were placed in a chilled cooler to be submitted to Chemtek Environmental Laboratories Inc. (Chemtek) of Santa Fe Springs, California, a California Department of Health Services certified laboratory. Samples were tracked from the point of collection through the laboratory using proper chain-of-custody protocol.

Soil samples were selectively analyzed (to provide representative coverage at all locations) for total petroleum hydrocarbons (TPH, carbon chain analysis) using EPA Method 8015M and VOCs using EPA Method 8260B/5035.

4 ANALYTICAL RESULTS

The Chemtek laboratory report, including chain-of-custody forms and quality assurance/quality control (QA/QC) data, is provided in **Appendix C**. A summary of the analytical results is provided in **Table 1**.

As shown in **Table 1**, TPH was not detected in any of the 10 soil samples analyzed. Benzene, toluene, and xylenes were detected at trace concentrations, ranging from 2 to 4 micrograms per kilogram ($\mu\text{g/kg}$) in 8 of the 10 samples analyzed. Samples SB1 and SB5 did not contain detectable concentrations of VOCs.

5 REGULATORY LIMITS

The Regional Water Quality Control Board (RWQCB) has also established soil screening levels (SSLs) for hydrocarbon-impacted soils impacted with various VOCs based on the potential for groundwater contamination (RWQCB, 1996) including benzene, toluene, ethylbenzene, and xylenes (BTEX). Where impacted soils overlie non-drinking water aquifers, as is the case with this site, BTEX SSLs are set at 100 times their respective Maximum Contaminant Levels (MCLs) as preliminary levels determined to be protective of human health and the environment. Therefore, the SSLs are for VOCs detected during this investigation are:

- Benzene – 100 $\mu\text{g/kg}$
- Toluene – 15,000 $\mu\text{g/kg}$
- Xylenes – 175,000 $\mu\text{g/kg}$

Additionally, the US EPA Region 9 has established Regional Screening Levels (RSLs) for various chemicals of potential concern (COPC) for site screening and as initial cleanup goals, if applicable. The RSLs have been “modified” by the California EPA for some COPC. The VOC results from this investigation are compared to the RSLs and SSLs in **Table 1**.

As shown on **Table 1**, benzene, toluene and xylenes detected are far before regulatory limits.

6 CONCLUSIONS AND RECOMMENDATIONS

On November 18, 2010, SCS conducted a Phase II investigation at 901/949 West Anaheim Street, Long Beach, California. The purpose of the investigation was to assess potential impacts from a historic gas station located on the Property. Based on the results of this investigation, SCS has concluded the following:

- No obvious signs of fuel-impacts were observed in the soil samples collected from 10 borings drilled during the investigation.
- Petroleum hydrocarbons were not detected in any of the analyzed soil samples.
- Benzene, toluene, and xylenes were detected at trace concentrations (maximum of 4 micrograms per kilogram) in certain samples. These concentrations are well below regulatory limits.

In summary, the results of this investigation did not identify any evidence of significant impacts from petroleum hydrocarbons or volatile organic compounds on the Property. Further investigation is not recommended.

7 REFERENCES

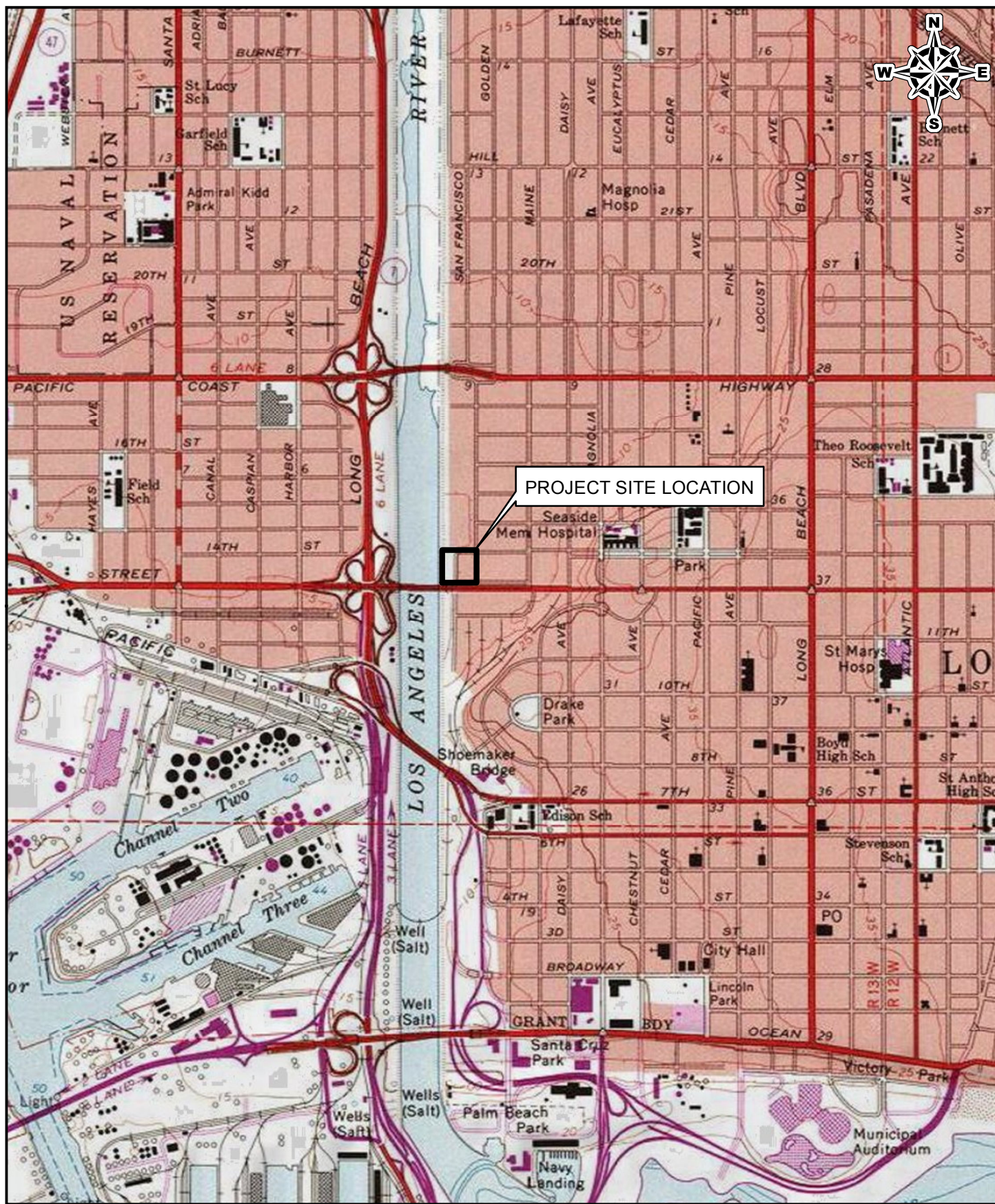
California Department of Water Resources (DWR). *Planned Utilization of Ground Water Basins of the Coastal Plain of Los Angeles County. Appendix A, Ground Water Geology, Bulletin No. 104.* March 1966.

RWQCB (Los Angeles Region). *Interim Site Assessment & Cleanup Guidebook.* May 1996.

SCS Engineers. *Phase I Environmental Assessment Former Long Public Service Yard, 5 ½ Parcels at Anaheim Street and San Francisco Avenue, Long Beach, California 90813.* October 21, 2010 (File No. 01210161.00).

State Water Resources Control Board, Geotracker website, <http://geotracker.swrcb.ca.gov/>

FIGURES 1 AND 2



SOURCE: 7.5 MINUTE TOPOGRAPHIC MAP
UNITED STATES GEOLOGICAL SURVEY
LONG BEACH, CA, PHOTO-REVISED 1981

PROJECT NO:
01210161.00

DRAWN BY:
A. STODDARD

APPROVED BY:
A. GARRETT

0 1,000 2,000 Feet
1 in = 2,000 ft

FIGURE

SCS ENGINEERS

3900 KILROY AIRPORT WAY, STE 100
LONG BEACH, CALIFORNIA 90806-6816

SITE:

FORMER LONG BEACH PUBLIC SERVICE YARD
LONG BEACH, CALIFORNIA 90813

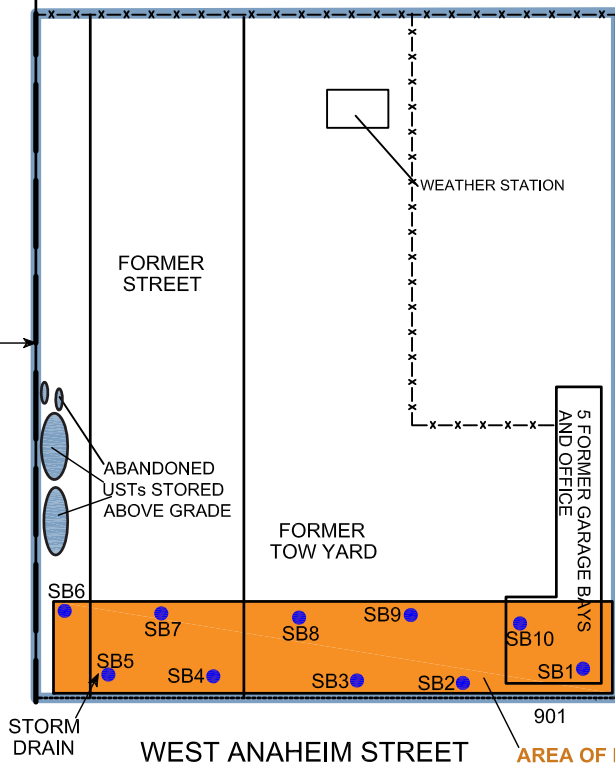
TITLE:

SITE LOCATION MAP

1

LOS ANGELES RIVER FLOOD CONTROL CHANNEL

APN
7271-007-903

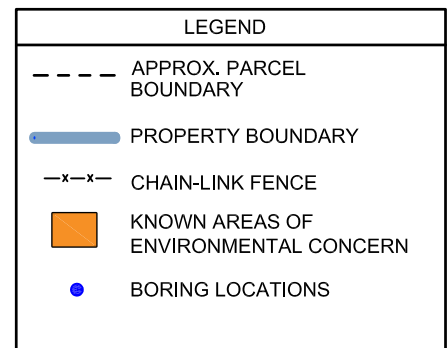


COWLES STREET



GRAPHIC SCALE
0 100
SCALE IN FEET

14TH STREET



WEST ANAHEIM STREET

AREA OF POSSIBLE GAS STATION
AT 949 W. ANAHEIM ST. IN 1931/35

SCS ENGINEERS
ENVIRONMENTAL CONSULTANTS

3900 KILROY AIRPORT WAY, SUITE 100
LONG BEACH, CA 90806
PH. (562) 426-9544 FAX. (562) 427-0805

PROJ. NO. 0121016101	DWN. BY: R. RAMIREZ	ACAD FILE: J/HW/2010
DSN. BY: A. HUTCHENS	CHK. BY: A. HUTCHENS	APP. BY: A. HUTCHENS

CLIENT:

ALERE PROPERTY GROUP, LLC
100 BAYVIEW CIRCLE, SUITE 130
NEWPORT BEACH, CA 92660

SHEET TITLE:

SITE MAP SHOWING BORING LOCATIONS

PROJECT TITLE:

PHASE II INVESTIGATION
949 WEST ANAHEIM
LONG BEACH, CALIFORNIA

DATE:

NOVEMBER 2010

SCALE:

1" = 100'

FIGURE NO.

2

TABLE 1

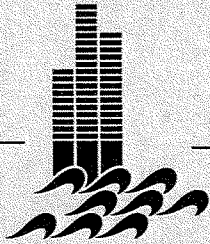
TABLE 1
SUMMARY OF ANALYTICAL RESULTS FOR TOTAL PETROLEUM HYDROCARBONS AND VOCs
FORMER LONG BEACH SERVICE YARD
949 WEST ANAHEIM STREET, LONG BEACH, CALIFORNIA

Sample Number (or Boring ID)	Sample Depth (feet bgs)	Sampling Date	Total Petroleum Hydrocarbons [EPA Method 8015B(M)]			VOCs (By GC/MS Using EPA Method 8260B)		
			Gasoline Range (C ₄ -C ₁₂)	Diesel Range (C ₁₃ -C ₂₂)	Heavy Hydrcarbon Range (C ₂₃ -C ₄₀)	Benzene	Toluene	Xylenes (total)
			milligrams per kilogram (mg/kg), equivalent to parts per million			micrograms per kilogram (µg/kg), equivalent to parts per billion		
SB1-5	5	11-18-10	<0.2	<5	<10	<1	<1	<2
SB2-5	5		<0.2	<5	<10	2	<1	3
SB3-10	10		<0.2	<5	<10	2	<1	4
SB4-5	5		<0.2	<5	<10	4	4	<2
SB5-10	10		<0.2	<5	<10	<1	<1	<2
SB6-10	15		<0.2	<5	<10	2	2	<2
SB7-10	10		<0.2	<5	<10	2	2	<2
SB8-10	10		<0.2	<5	<10	4	3	<2
SB9-10	10		<0.2	<5	<10	2	<1	<2
SB10-10	10		<0.2	<5	<10	3	2	<2
RWQCB SSLs (<20 feet above groundwater)			1,000	10,000	50,000	100	15,000	175,000
Residential RSLs			--	--	--	1,100	5,000,000	630,000
Industrial RSLs			--	--	--	5,400	45,000,000	2,700,000

Notes:

- 1) bgs = below ground surface
- 2) RWQCB SSLs = Los Angeles Regional Water Quality Control Board Soil Screening Levels, for non-drinking water aquifers
- 3) VOCs = Volatile Organic Compounds Only detected VOCs shown.
- 3) Only analyzed samples shown.
- 4) RSL = US EPA Region 9 Regional Screening Levels for Soils, May 2010 (http://www.epa.gov/reg3hwmd/risk/human/rb-concentration_table/Generic_Tables/pdf/master_sl_table_run_MAY2010.pdf).

APPENDIX A
CITY OF LONG BEACH SOIL BORING PERMIT



CITY OF LONG BEACH

DEPARTMENT OF HEALTH & HUMAN SERVICES

2525 Grand Avenue Long Beach, CA 90815-1765 (562) 570-4134 FAX (562) 570-4038

WELL PERMIT

Permit # 1700

Date: November 15, 2010

All work must be completed in accordance with Water Well Bulletin 74-81 and 74-90

Site Address: 949 West Anaheim Street
Long Beach, California

Owner: Alere Property Group LLC

Owner Address: 100 Bay View Circle, Suite 310
Newport Beach, California 92660
(949) 509-5002

Consulting Firm: SCS Engineers

Consulting Firm Address 3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806
(562) 426-9544

Drilling Company: Keloe Testing & Engineering

Drilling Company Address: 5415 Industrial Drive
Huntington Beach, California 92649
(714) 901-7270

Method of Construction/Destruction:

Number of Wells/Borings: Soil Borings

This permit valid for one year from date above

Steven Nakauchi, REHS IV
Cross-Connection/Water Program

APPENDIX B

BORING LOGS

3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806-6816

BORING NUMBER: SB1

Page 1 of 1

**Former Long Beach Public Service Yard
949 West Anaheim Street
Long Beach, CA**

JOB NUMBER: 01210161.01

REMARKS:
Inside building

Depth		Sample Information					Graphic Log	Description	Completion Detail
meters	feet	Sample Location	Sample Number	Blow Counts	OVM (ppm)	USCS Soil Class.			
0	0							Approximately 9" Concrete with Possible Rebar	
1	1								
2	2							Brown, Silty Sand, Trace Gravel, Moist	
3	3								
4	4							Brown, Sandy Silt, Saturated	
5	5	SB1-5'			0	SM			
6	6								
7	7								
8	8								
9	9								
10	10	SB1-10'			0	ML			
11	11								
12	12								
13	13								
14	14								
15	15								
16	16								
17	17								
18	18								
19	19								
20	20								

Drilling Company: **Kehoe Engineering & Testing**

Drilling Method: **Direct Push**

Logged By: **A. Garrett**

Sampling Method: **Split Spoon**

Date Started: **11/12/10**

Date Ended: **11/12/10**

Boring Diameter: **2"**

Total Depth: **11.0 ft.**

3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806-6816

BORING NUMBER: SB2

Page 1 of 1

**Former Long Beach Public Service Yard
949 West Anaheim Street
Long Beach, CA**

JOB NUMBER: 01210161.01

REMARKS:

Depth		Sample Information					Graphic Log	Description	Completion Detail
meters	feet	Sample Location	Sample Number	Blow Counts	OVM (ppm)	USCS Soil Class.			
0	0							Asphalt Surface	0
1	1								
2	2								
3	3								
4	4								
5	5	SB2-5'			0	ML		Brown, Sandy Silt, Moist	5
6	6								
7	7								
8	8								
9	9								
10	10	SB2-10'			0	ML		Brown, Clayey Silt, Saturated	10
11	11								
12	12								
13	13								
14	14								
15	15								
16	16								
17	17								
18	18								
19	19								
20	20								

Drilling Company: **Kehoe Engineering & Testing**

Drilling Method: **Direct Push**

Logged By: **A. Garrett**

Sampling Method: **Split Spoon**

Date Started: **11/12/10**

Date Ended: **11/12/10**

Boring Diameter: **2"**

Total Depth: **11.0 ft.**

3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806-6816

BORING NUMBER: SB3

Page 1 of 1

**Former Long Beach Public Service Yard
949 West Anaheim Street
Long Beach, CA**

JOB NUMBER: 01210161.01

REMARKS:

Depth		Sample Information					Graphic Log	Description	Completion Detail
meters	feet	Sample Location	Sample Number	Blow Counts	OVM (ppm)	USCS Soil Class.			
0	0							Asphalt Surface	0
1	1								
2	2								
3	3								
4	4								
5	5	SB3-5'			0	ML		Brown, Sandy Silt, Moist	5
6	6								
7	7								
8	8								
9	9								
10	10	SB3-10'			0	ML		Gray, Clayey Silt, Saturated	10
11	11								
12	12								
13	13								
14	14								
15	15								
16	16								
17	17								
18	18								
19	19								
20	20								

Drilling Company: **Kehoe Engineering & Testing**Drilling Method: **Direct Push**Logged By: **A. Garrett**Sampling Method: **Split Spoon**Date Started: **11/12/10**Date Ended: **11/12/10**Boring Diameter: **2"**Total Depth: **11.0 ft.**

3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806-6816

BORING NUMBER: SB4

Page 1 of 1

**Former Long Beach Public Service Yard
949 West Anaheim Street
Long Beach, CA**

JOB NUMBER: 01210161.01

REMARKS:

Depth		Sample Information					Graphic Log	Description	Completion Detail
meters	feet	Sample Location	Sample Number	Blow Counts	QVM (ppm)	USCS Soil Class.			
0	0							Asphalt Surface	0
1	1								
2	2								
3	3								
4	4								
5	5		SB4-5'		0	ML		Brown, Sandy Silt, Moist	5
6	6								
7	7								
8	8								
9	9								
10	10		SB4-10'		0	SM		Brown, Silty Fine Sand, Saturated	10
11	11								
12	12								
13	13								
14	14								
15	15								
16	16								
17	17								
18	18								
19	19								
20	20								

Drilling Company: **Kehoe Engineering & Testing**

Drilling Method: **Direct Push**

Logged By: **A. Garrett**

Sampling Method: **Split Spoon**

Date Started: **11/12/10**

Date Ended: **11/12/10**

Total Depth: **11.0 ft.**

Boring Diameter: **2"**

3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806-6816

BORING NUMBER: SB5

Page 1 of 1

**Former Long Beach Public Service Yard
949 West Anaheim Street
Long Beach, CA**

JOB NUMBER: 01210161.01

REMARKS:

Depth		Sample Information					Graphic Log	Description	Completion Detail
meters	feet	Sample Location	Sample Number	Blow Counts	OVM (ppm)	USCS Soil Class.			
0	0							Asphalt Surface	0
1	1								
2	2								
3	3								
4	4								
5	5	SB5-5'			0	GP		Brown, Sandy Gravel, Traces of Possible Brick Material, Moist	5
6	6								
7	7								
8	8								
9	9								
10	10	SB5-10'			0	ML		Brown, Sandy Silt, Traces of Black Clayey Material, Saturated	10
11	11								
12	12								
13	13								
14	14								
15	15								
16	16								
17	17								
18	18								
19	19								
20	20								

Drilling Company: **Kehoe Engineering & Testing**

Drilling Method: **Direct Push**

Logged By: **A. Garrett**

Sampling Method: **Split Spoon**

Date Started: **11/12/10**

Date Ended: **11/12/10**

Boring Diameter: **2"**

Total Depth: **11.0 ft.**

3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806-6816

BORING NUMBER: SB6

Page 1 of 1

**Former Long Beach Public Service Yard
949 West Anaheim Street
Long Beach, CA**

JOB NUMBER: 01210161.01

REMARKS:

Depth		Sample Information					Graphic Log	Description	Completion Detail
meters	feet	Sample Location	Sample Number	Blow Counts	QVM (ppm)	USCS Soil Class.			
0	0							Asphalt Surface	0
1	1								
2	2								
3	3								
4	4								
5	5	SB6-5'			0	SP		Brown, Gravelly Sand, Traces of Possible Brick Material, Moist	5
6	6								
7	7								
8	8								
9	9								
10	10	SB6-10'			0	ML		Brown, Sandy Silt, Saturated	10
11	11								
12	12								
13	13								
14	14								
15	15								
16	16								
17	17								
18	18								
19	19								
20	20								

Drilling Company: **Kehoe Engineering & Testing**

Drilling Method: **Direct Push**

Logged By: **A. Garrett**

Sampling Method: **Split Spoon**

Date Started: **11/12/10**

Date Ended: **11/12/10**

Total Depth: **11.0 ft.**

Boring Diameter: **2"**

3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806-6816

BORING NUMBER: SB7

Page 1 of 1

**Former Long Beach Public Service Yard
949 West Anaheim Street
Long Beach, CA**

JOB NUMBER: 01210161.01

REMARKS:

Depth		Sample Information					Graphic Log	Description	Completion Detail
meters	feet	Sample Location	Sample Number	Blow Counts	OVM (ppm)	USCS Soil Class.			
0	0							Asphalt Surface	0
1	1								
2	2								
3	3								
4	4								
5	5	SB7-5'			0	SP		Red/Brown, Gravelly Sand, Possible Brick Material, Moist	5
6	6								
7	7								
8	8								
9	9								
10	10	SB7-10'			0	ML		Brown, Sandy Silt, Saturated	10
11	11								
12	12								
13	13								
14	14								
15	15								
16	16								
17	17								
18	18								
19	19								
20	20								

Drilling Company: **Kehoe Engineering & Testing**

Drilling Method: **Direct Push**

Logged By: **A. Garrett**

Sampling Method: **Split Spoon**

Date Started: **11/12/10**

Date Ended: **11/12/10**

Boring Diameter: **2"**

Total Depth: **11.0 ft.**

3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806-6816

BORING NUMBER: SB8

Page 1 of 1

**Former Long Beach Public Service Yard
949 West Anaheim Street
Long Beach, CA**

JOB NUMBER: 01210161.01

REMARKS:

Depth		Sample Information					Graphic Log	Description	Completion Detail
meters	feet	Sample Location	Sample Number	Blow Counts	OVM (ppm)	USCS Soil Class.			
0	0							Asphalt Surface	0
1	1								
2	2								
3	3								
4	4								
5	5	SB8-5'			0	SP		Brown, Fine to Coarse Sand, Moist	5
6	6								
7	7								
8	8								
9	9								
10	10	SB8-10'			0	ML		Gray/Brown, Sandy Silt, Saturated	10
11	11								
12	12								
13	13								
14	14								
15	15								
16	16								
17	17								
18	18								
19	19								
20	20								

Drilling Company: **Kehoe Engineering & Testing**

Drilling Method: **Direct Push**

Logged By: **A. Garrett**

Sampling Method: **Split Spoon**

Date Started: **11/12/10**

Date Ended: **11/12/10**

Boring Diameter: **2"**

Total Depth: **11.0 ft.**

3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806-6816

BORING NUMBER: SB9

Page 1 of 1

**Former Long Beach Public Service Yard
949 West Anaheim Street
Long Beach, CA**

JOB NUMBER: 01210161.01

REMARKS:

Depth		Sample Information					Graphic Log	Description	Completion Detail
meters	feet	Sample Location	Sample Number	Blow Counts	OVM (ppm)	USCS Soil Class.			
0	0							Asphalt Surface	0
1	1								
2	2								
3	3								
4	4								
5	5	SB9-5'			0	ML		Red/Brown, Clayey Silt, Moist	5
6	6								
7	7								
8	8								
9	9								
10	10	SB9-10'			0	ML		Brown, Sandy Silt, Saturated	10
11	11								
12	12								
13	13								
14	14								
15	15								
16	16								
17	17								
18	18								
19	19								
20	20								

Drilling Company: **Kehoe Engineering & Testing**

Drilling Method: **Direct Push**

Logged By: **A. Garrett**

Sampling Method: **Split Spoon**

Date Started: **11/12/10**

Date Ended: **11/12/10**

Boring Diameter: **2"**

Total Depth: **11.0 ft.**

3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806-6816

BORING NUMBER: SB10

Page 1 of 1

**Former Long Beach Public Service Yard
949 West Anaheim Street
Long Beach, CA**

JOB NUMBER: 01210161.01

REMARKS:
Inside building

Depth		Sample Information					Graphic Log	Description	Completion Detail
meters	feet	Sample Location	Sample Number	Blow Counts	OVM (ppm)	USCS Soil Class.			
0	0							Approximately 9" Concrete with Possible Rebar	0
1	1								
2	2								
3	3								
4	4								
5	5	SB10-5'			0	SP		Red, Gravelly Sand, Possible Brick Material, Slightly Moist	5
6	6								
7	7								
8	8								
9	9								
10	10	SB10-10'			0	SM		Brown, Silty Fine Sand, Very Moist	10
11	11								
12	12								
13	13								
14	14								
15	15								
16	16								
17	17								
18	18								
19	19								
20	20								

Drilling Company: **Kehoe Engineering & Testing**

Drilling Method: **Direct Push**

Logged By: **A. Garrett**

Sampling Method: **Split Spoon**

Date Started: **11/12/10**

Date Ended: **11/12/10**

Boring Diameter: **2"**

Total Depth: **11.0 ft.**

APPENDIX C
CHEMTEK LABORATORY REPORT

CHEMTEK ENVIRONMENTAL LABORATORIES INC.

"An environment-friendly company"

13554 Larwin Circle, Santa Fe Springs, CA 90670

Tel. (562) 926-9848 FAX (562) 926-8324

CA Dept of Health Accredited. (ELAP No. 1435)

CERTIFICATE OF ANALYSIS

Job No. 011078

Date: 11-26-10

This is the Certificate of Analysis for the following samples:

Client : SCS Engineers
Contact person : Aaron Garrett
Project # : 01210161.01
Project : Former LB Public Service Yard
Project Site : 949 W. Anaheim St.
Long Beach, CA
Date of sample : 11-18-10
Date received : 11-18-10
Number of samples : 20
Sample matrix : soil
Sampling Method : 5035
Samples were labeled as follows

<u>SAMPLE IDENTIFICATION</u>	<u>DATE SAMPLED</u>	<u>LABORATORY NUMBER</u>
SB1-1	11/18/10	011078-01A
SB1-10	11/18/10	011078-02A
SB2-5	11/18/10	011078-03A
SB2-10	11/18/10	011078-04A
SB3-5	11/18/10	011078-05A
SB3-10	11/18/10	011078-06A
SB4-5	11/18/10	011078-07A
SB4-10	11/18/10	011078-08A
SB5-5	11/18/10	011078-09A
SB5-10	11/18/10	011078-10A
SB6-5	11/18/10	011078-11A
SB6-10	11/18/10	011078-12A
SB7-5	11/18/10	011078-13A
SB7-10	11/18/10	011078-14A
SB8-5	11/18/10	011078-15A
SB8-10	11/18/10	011078-16A
SB9-5	11/18/10	011078-17A
SB9-10	11/18/10	011078-18A
SB10-5	11/18/10	011078-19A
SB10-10	11/18/10	011078-20A

Reviewed and Approved by:



Michael C.C. Lu
Laboratory Director

**CHEMTEK ENVIRONMENTAL LAB.
LABORATORY ANALYSIS REPORT**

Client : SCS Engineers
Project : Former LB Public Service Yard
949 W. Anaheim St.

Job No. : 011078

Date: 11-26-10

Analysis: EPA 8260B(Volatile Organics by GC-MS) Unit: µg/kg or ppb

page 1 of 2

Sample ID : See below Sample date : 11/18/10
Sample matrix : soil Analysis date : 11/22/10

CLIENT SAMPLE ID	SB1-5	SB2-5	SB3-10	SB4-5	SB5-10	Detection
DILUTION FACTOR	1.2	0.9	1.1	1.4	1.5	Limit
COMPOUND	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)
Benzene	ND	2	2	4	ND	1
Bromobenzene	ND	ND	ND	ND	ND	1
Bromochloromethane	ND	ND	ND	ND	ND	1
Bromodichloromethane	ND	ND	ND	ND	ND	1
Bromoform	ND	ND	ND	ND	ND	1
Bromomethane	ND	ND	ND	ND	ND	1
n-Butylbenzene	ND	ND	ND	ND	ND	1
sec-Butylbenzene	ND	ND	ND	ND	ND	1
tert-Butylbenzene	ND	ND	ND	ND	ND	1
Carbon Tetrachloride	ND	ND	ND	ND	ND	1
Chlorobenzene	ND	ND	ND	ND	ND	1
Chloroethane	ND	ND	ND	ND	ND	1
Chloroform	ND	ND	ND	ND	ND	1
Chloromethane	ND	ND	ND	ND	ND	1
2-Chlorotoluene	ND	ND	ND	ND	ND	1
4-Chlorotoluene	ND	ND	ND	ND	ND	1
2-Chloroethyl vinyl ether	ND	ND	ND	ND	ND	1
Dibromochloromethane	ND	ND	ND	ND	ND	1
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	1
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	1
Dibromomethane	ND	ND	ND	ND	ND	1
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	1
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	1
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	1
Dichlorodifluoromethane	ND	ND	ND	ND	ND	1
1,1-Dichloroethane	ND	ND	ND	ND	ND	1
1,2-Dichloroethane	ND	ND	ND	ND	ND	1
1,1-Dichloroethene	ND	ND	ND	ND	ND	1
cis-1,2 Dichloroethene	ND	ND	ND	ND	ND	1
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	1
1,2-Dichloropropane	ND	ND	ND	ND	ND	1
1,3-Dichloropropane	ND	ND	ND	ND	ND	1
2,2-Dichloropropane	ND	ND	ND	ND	ND	1
1,1-Dichloropropene	ND	ND	ND	ND	ND	1

Continued on next page

ND: NOT DETECTED BELOW (DF x Detection Limit)

DF: DILUTION FACTOR

**CHEMTEK ENVIRONMENTAL LAB.
LABORATORY ANALYSIS REPORT**

Job No. : 011078

Date: 11-26-10

Analysis: EPA 8260B (Volatile Organics by GC-MS) Unit: µg/kg or ppb

page 2 of 2

Sample ID : See below

Sample date : 11/18/10

Sample matrix : soil

Analysis date : 11/22/10

CLIENT SAMPLE ID	SB1-5	SB2-5	SB3-10	SB4-5	SB5-10	Detection
DILUTION FACTOR	1.2	0.9	1.1	1.4	1.5	Limit
COMPOUND	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	1
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	1
Ethylbenzene	ND	ND	ND	ND	ND	1
Hexachlorobutadiene	ND	ND	ND	ND	ND	1
Isopropylbenzene	ND	ND	ND	ND	ND	1
4-Isopropyltoluene	ND	ND	ND	ND	ND	1
Methylene Chloride	ND	ND	ND	ND	ND	5
Naphthalene	ND	ND	ND	ND	ND	1
n-propylbenzene	ND	ND	ND	ND	ND	1
Styrene	ND	ND	ND	ND	ND	1
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	1
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	1
Tetrachloroethene (PCE)	ND	ND	ND	ND	ND	1
Toluene	ND	ND	ND	4	ND	1
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	1
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	1
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	1
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	1
Trichloroethene (TCE)	ND	ND	ND	ND	ND	1
Trichlorofluoromethane	ND	ND	ND	ND	ND	1
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	1
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	1
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	1
Vinyl Chloride	ND	ND	ND	ND	ND	1
Total Xylenes	ND	3	4	ND	ND	2
Ethanol	ND	ND	ND	ND	ND	250
Methyl Tert. Butyl Ether (MTBE)	ND	ND	ND	ND	ND	1
Ethyl Tert. Butyl Ether (ETBE)	ND	ND	ND	ND	ND	1
Diisopropyl Ether (DIPE)	ND	ND	ND	ND	ND	1
Tert. Amyl Methyl Ether (TAME)	ND	ND	ND	ND	ND	1
T-Butyl Alcohol (TBA)	ND	ND	ND	ND	ND	20
2-Butanone (MEK)	ND	ND	ND	ND	ND	10
4-Methyl-2-pentanone (MIBK)	ND	ND	ND	ND	ND	10
2-Hexanone	ND	ND	ND	ND	ND	10
Acetone	ND	ND	ND	ND	ND	40

ND: NOT DETECTED BELOW (DF x Detection Limit)

DF: DILUTION FACTOR

**CHEMTEK ENVIRONMENTAL LAB.
LABORATORY ANALYSIS REPORT**

Client : SCS Engineers
Project : Former LB Public Service Yard
949 W. Anaheim St.

Job No. : 011078

Date: 11-26-10

Analysis: EPA 8260B(Volatile Organics by GC-MS) Unit: µg/kg or ppb

page 1 of 2

Sample ID : See below Sample date : 11/18/10
Sample matrix : soil Analysis date : 11/22/10

CLIENT SAMPLE ID	SB6-10	SB7-10	SB8-10	SB9-10	SB10-10	Detection
DILUTION FACTOR	1.2	1.1	1.1	0.9	1.2	Limit
COMPOUND	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)
Benzene	2	2	4	2	3	1
Bromobenzene	ND	ND	ND	ND	ND	1
Bromochloromethane	ND	ND	ND	ND	ND	1
Bromodichloromethane	ND	ND	ND	ND	ND	1
Bromoform	ND	ND	ND	ND	ND	1
Bromomethane	ND	ND	ND	ND	ND	1
n-Butylbenzene	ND	ND	ND	ND	ND	1
sec-Butylbenzene	ND	ND	ND	ND	ND	1
tert-Butylbenzene	ND	ND	ND	ND	ND	1
Carbon Tetrachloride	ND	ND	ND	ND	ND	1
Chlorobenzene	ND	ND	ND	ND	ND	1
Chloroethane	ND	ND	ND	ND	ND	1
Chloroform	ND	ND	ND	ND	ND	1
Chloromethane	ND	ND	ND	ND	ND	1
2-Chlorotoluene	ND	ND	ND	ND	ND	1
4-Chlorotoluene	ND	ND	ND	ND	ND	1
2-Chloroethyl vinyl ether	ND	ND	ND	ND	ND	1
Dibromochloromethane	ND	ND	ND	ND	ND	1
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	1
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	1
Dibromomethane	ND	ND	ND	ND	ND	1
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	1
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	1
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	1
Dichlorodifluoromethane	ND	ND	ND	ND	ND	1
1,1-Dichloroethane	ND	ND	ND	ND	ND	1
1,2-Dichloroethane	ND	ND	ND	ND	ND	1
1,1-Dichloroethene	ND	ND	ND	ND	ND	1
cis-1,2 Dichloroethene	ND	ND	ND	ND	ND	1
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	1
1,2-Dichloropropane	ND	ND	ND	ND	ND	1
1,3-Dichloropropane	ND	ND	ND	ND	ND	1
2,2-Dichloropropane	ND	ND	ND	ND	ND	1
1,1-Dichloropropene	ND	ND	ND	ND	ND	1

Continued on next page

ND: NOT DETECTED BELOW (DF x Detection Limit)

DF: DILUTION FACTOR

**CHEMTEK ENVIRONMENTAL LAB.
LABORATORY ANALYSIS REPORT**

Job No. : 011078

Date: 11-26-10

Analysis: EPA 8260B (Volatile Organics by GC-MS) Unit: µg/kg or ppb

page 2 of 2

Sample ID : See below

Sample date : 11/18/10

Sample matrix : soil

Analysis date : 11/22/10

CLIENT SAMPLE ID	SB6-10	SB7-10	SB8-10	SB9-10	SB10-10	Detection
DILUTION FACTOR	1.2	1.1	1.1	0.9	1.2	Limit
COMPOUND	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	1
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	1
Ethylbenzene	ND	ND	ND	ND	ND	1
Hexachlorobutadiene	ND	ND	ND	ND	ND	1
Isopropylbenzene	ND	ND	ND	ND	ND	1
4-Isopropyltoluene	ND	ND	ND	ND	ND	1
Methylene Chloride	ND	ND	ND	ND	ND	5
Naphthalene	ND	ND	ND	ND	ND	1
n-propylbenzene	ND	ND	ND	ND	ND	1
Styrene	ND	ND	ND	ND	ND	1
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	1
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	1
Tetrachloroethene (PCE)	ND	ND	ND	ND	ND	1
Toluene	2	2	3	ND	2	1
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	1
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	1
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	1
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	1
Trichloroethene (TCE)	ND	ND	ND	ND	ND	1
Trichlorofluoromethane	ND	ND	ND	ND	ND	1
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	1
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	1
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	1
Vinyl Chloride	ND	ND	ND	ND	ND	1
Total Xylenes	ND	ND	ND	ND	ND	2
Ethanol	ND	ND	ND	ND	ND	250
Methyl Tert. Butyl Ether (MTBE)	ND	ND	ND	ND	ND	1
Ethyl Tert. Butyl Ether (ETBE)	ND	ND	ND	ND	ND	1
Diisopropyl Ether (DIPE)	ND	ND	ND	ND	ND	1
Tert. Amyl Methyl Ether (TAME)	ND	ND	ND	ND	ND	1
T-Butyl Alcohol (TBA)	ND	ND	ND	ND	ND	20
2-Butanone (MEK)	ND	ND	ND	ND	ND	10
4-Methyl-2-pentanone (MIBK)	ND	ND	ND	ND	ND	10
2-Hexanone	ND	ND	ND	ND	ND	10
Acetone	ND	ND	ND	ND	ND	40

ND: NOT DETECTED BELOW (DF x Detection Limit)

DF: DILUTION FACTOR

CHEMTEK ENVIRONMENTAL LAB.
LABORATORY ANALYSIS REPORT

Client : SCS Engineers
Project : Former LB Public Service Yard
949 W. Anaheim St.

Job No. : 011078

Date: 11-26-10

Analysis: EPA 8015M (TPH Gas range, Diesel range, Oil range) Unit: mg/kg or ppm

Sample ID : See below
Sample matrix : Soil
Sample date : 11-18-10
Analysis date : 11-22-10

Sample IDs	DF	C4-C12	DF	C13-C22	DF	C23-C36
SB1-5	1	ND	1	ND	1	ND
SB2-5	1	ND	1	ND	1	ND
SB3-10	1	ND	1	ND	1	ND
SB4-5	1	ND	1	ND	1	ND
SB5-10	1	ND	1	ND	1	ND
SB6-10	1	ND	1	ND	1	ND
SB7-10	1	ND	1	ND	1	ND
SB8-10	1	ND	1	ND	1	ND
SB9-10	1	ND	1	ND	1	ND
SB10-10	1	ND	1	ND	1	ND

Detection Limit 0.2 5.0 10.0

ND: NOT DETECTED BELOW (DF x Detection Limit)
DF: DILUTION FACTOR

CHEMTEK ENVIRONMENTAL LAB.
LABORATORY ANALYSIS REPORT

QA/QC REPORT

EPA 8015M (TPH Gas)
Unit: ppm or mg/kg

Job No. : 011078
Lab Sample ID : 011078-01A
Date Performed : 11-22-10

Analyte	Orig. Result	% MS	% MSD	RPD	ACP %MS	ACP RPD
TPH Gas	ND	98.0	76.0	25.2	70-130	0-30

QA/QC REPORT

EPA 8260B
Unit: µg/kg

Job No. : 011078
Lab Sample ID : 011078-01A
Date Performed : 11-22-10

<u>ANALYTE</u>	<u>Blank RESULT</u>	% <u>MS</u>	% <u>MSD</u>	<u>RPD</u>	ACP <u>%MS</u>	ACP <u>RPD</u>
1,1-DCE	ND	99.5	101.8	2.3	70-130	0-30
Benzene	ND	96.4	97.6	1.2	70-130	0-30
TCE	ND	109.9	113.4	3.1	70-130	0-30
Toluene	ND	117.2	121.5	3.6	70-130	0-30
Chloro benzene	ND	120.7	123.4	2.3	70-130	0-30

CUSTOMER INFORMATION					ANALYSIS REQUIRED												
COMPANY NAME: SCS Engineers					8015M TPH & Carbon	8015M TPH D	BTX/MTBE (8021 B)	VOCs (8260 B) FULL	OXYGENATES (8260 B) SHORT	TRPH (418.1)	COD / TSS	pH, Conductivity, Turbidity	Archive				
PROJECT CONTACT: A Garrett																	
ADDRESS: 3900 Kilroy Airport Way Ste 100																	
CITY, STATE, ZIP: Long Beach, CA 90806																	
PHONE:																	
EMAIL:																	
PROJECT INFORMATION:																	
PROJECT NAME: Former L3 Public Service Yard																	
SITE ADDRESS: 949 W Anaheim St, Long Beach																	
SAMPLED BY: A Garrett ☐ EDF																	
SAMPLE ID	DATE SAMPLED	TIME SAMPLED	TYPE *	REMARKS	NO. OF CONT	8015M TPH & Carbon	8015M TPH D	BTX/MTBE (8021 B)	VOCs (8260 B) FULL	OXYGENATES (8260 B) SHORT	TRPH (418.1)	COD / TSS	pH, Conductivity, Turbidity	Archive			
SB1-5	11/18	1215	SO			X			X								
SB1-10		1223				X			X								
SB2-5		1043				X			X					X			
SB2-10		1049				X			X					X			
SB3-5		1007				X			X					X			
SB3-10		1015				X			X					X			
SB4-5		900				X			X					X			
SB4-10		904				X			X					X			
SB5-5		830				X			X					X			
SB5-10		835				X			X					X			
SB6-5		812				X			X					X			
SB6-10		815				X			X					X			
SB7-5		848				X			X					X			
SB7-10		853				X			X					X			
SB8-5		915				X			X					X			
SB8-10		920				X			X					X			

SIGNATURE		PRINT NAME		COMPANY NAME		DATE	TIME
RELINQUISHED BY: [Signature]		Adrian Garrett		SCS		11/18	
RECEIVED BY:							
RELINQUISHED BY:							
RECEIVED FOR LABORATORY BY: [Signature]		[Signature]		[Signature]		11/18	

NOTE: Samples are discarded 30 days after results are reported unless other arrangements are made.

*Type: SO-Soil GW-Ground Water WW-Waste Water AQ-Aqueous A-Air OT-Other

Distribution: WHITE with report / YELLOW to CHEMTEK / PINK to courier

011078

Job No.: 01210161.01

Page: 2 of 2

[illegible]

Distribution : WHITE with report / YELLOW to CHEMTEK / PINK to courier

*Type: SO-Soil GW-Ground Water WW-Waste Water AQ-Aqueous A-Air OT-Other

TOTAL P.02

2.02

CHEMTEK

DEC-01-2010 16:11

SCS ENGINEERS

February 2, 2011
File No. 01209295.01

Via US Mail and email (dbjostad@waterboards.ca.gov)

Mr. Dave Bjostad
Los Angeles Regional Water Quality Control Board
Underground Storage Tank Section
320 West 4th Street, Suite 200
Los Angeles, California 90013
(213) 576-6712

**Subject: Second Semiannual 2010 Groundwater Monitoring Report
Former Long Beach City Tow Yard
901 West Anaheim Street, Long Beach, California
(RWQCB Case No. 908130498)**

Dear Mr. Bjostad:

This letter provides results of the Second Semiannual 2010 Groundwater Monitoring for the above-referenced site, as requested in the Regional Water Quality Control Board's (RWQCB) *Directive to Take Corrective Action* letter dated November 2, 2010. Due to time constraints, a *Request for Extension* for this monitoring event was requested by SCS in a letter dated January 14, 2011, subsequently granted by you in an email on January 18, 2011.

The groundwater monitoring was conducted on January 21, 2011 for the Second Semiannual 2010 event. Attached you will find the following:

- Figures 1 and 2 – Site location Map and Groundwater Elevation Map
- Tables 1 and 2 – Summaries of Groundwater Elevation Data and Analytical Results
- Appendix A – Analytical Laboratory Report
- Appendix B – Groundwater Sampling Records

As shown in the attachments, groundwater monitoring results are similar to previous events. The next round of groundwater monitoring is scheduled for June 2011 (First Semiannual 2011), with a report due by July 15, 2011.

Additional information requested by the RWQCB in the November 2010 Directive letter is provided as follows:



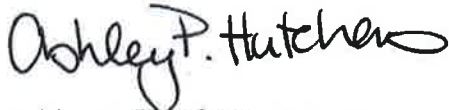
- Clarification of groundwater flow direction in February 2010 – The groundwater flow direction for February 2010 was to the east-northeast as shown on Figure 2 of the Groundwater Monitoring Report (SCS, April 2010).
- Submittal of an anticipated schedule of proposed redevelopment and future land use – Definitive site-specific plans are not currently available. However, within the next year the Property will continue to be used as an outdoor storage facility, possibly as a truck container storage facility, or commercial building development will be initiated.

Should you have any questions or comments regarding this report, please feel free to contact the undersigned at (562) 426-9544.

Sincerely,



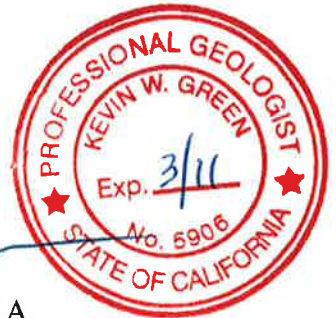
Paola Gomez-Birenbaum, GIT
Project Scientist
SCS ENGINEERS



Ashley P. Hutchens, R. E. A.
Senior Project Scientist
SCS ENGINEERS



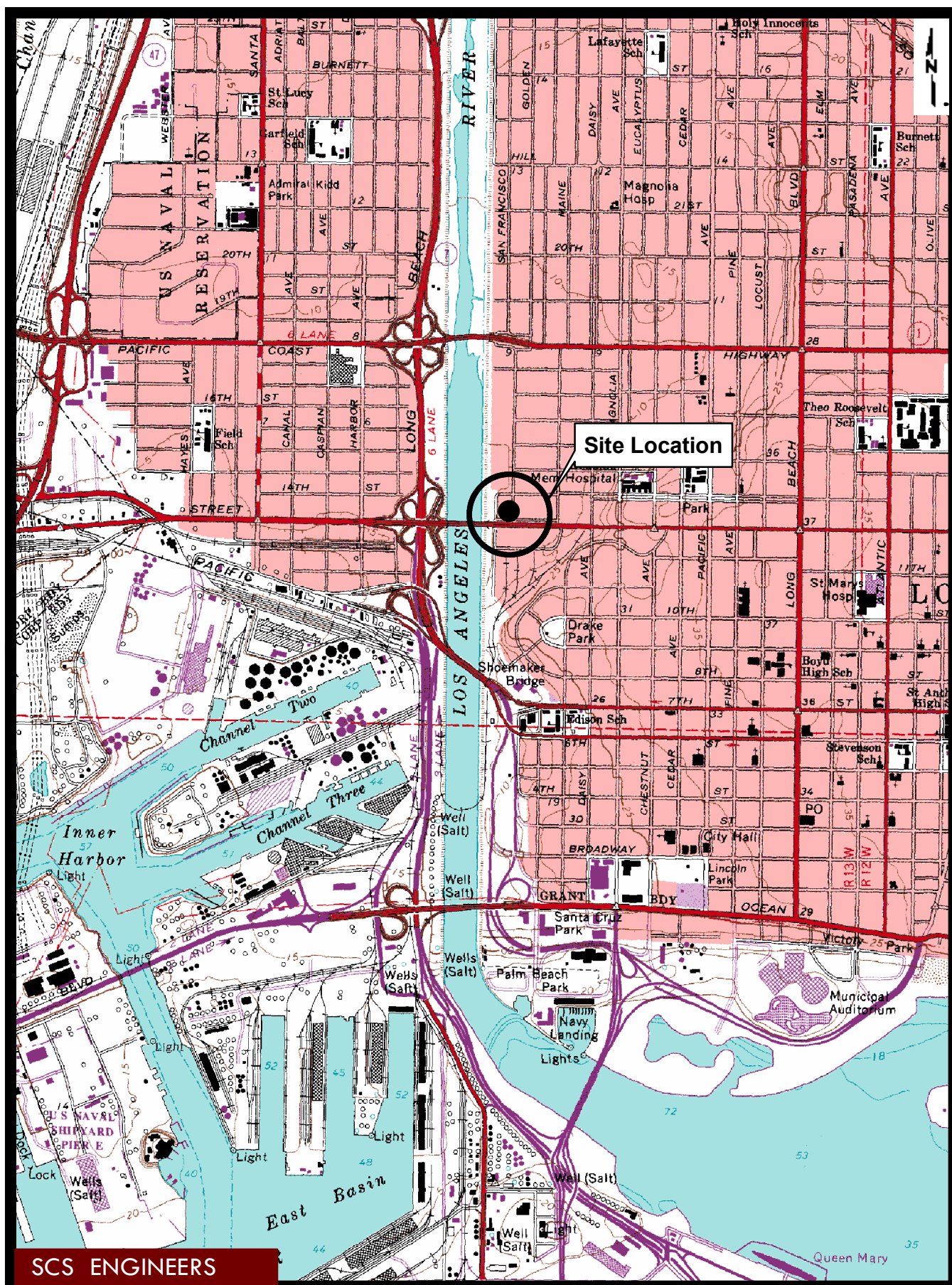
Kevin W. Green, P.G., R.E.A.
Project Director
SCS ENGINEERS



Enclosures – As stated above

cc: Craig Justesen – Overland, Pacific and Cutler, Inc. (cjustesen@opcservices.com)
Mike Conway – City of Long Beach (Michael.Conway@longbeach.gov)
Mary Torres – City of Long Beach (Mary.Torres@longbeach.gov)
Clark Neuhoff – Alere Property Group (cneuhoff@alereinc.com)

FIGURES 1 AND 2



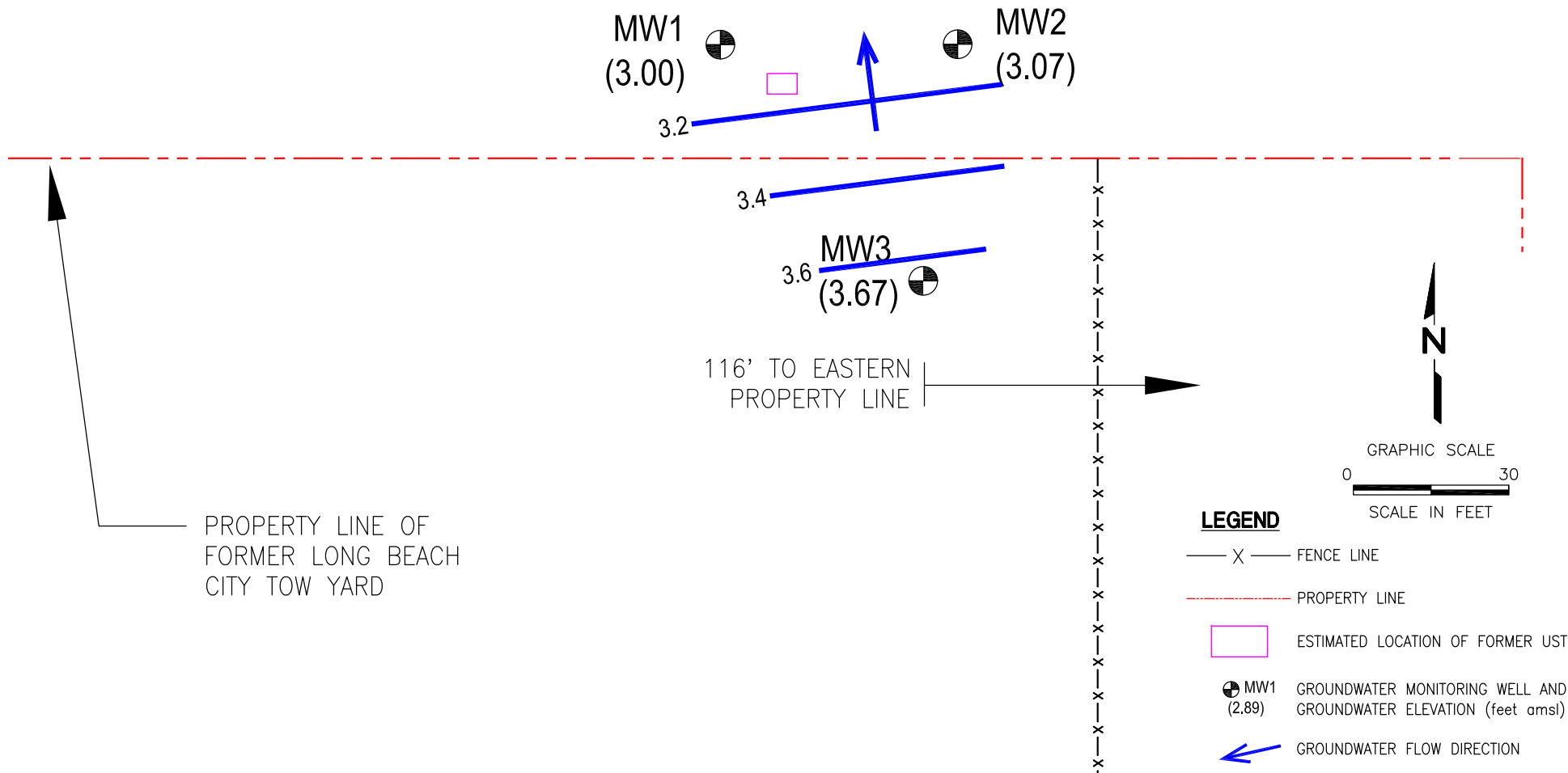
SCS ENGINEERS

USGS 7.5 Series Quadrangle Map
Long Beach, CA, 1978
UTM Zone 11, NAD27
Project #0120295.00

Figure 1
901 West Anaheim Street
Long Beach, California

0 1,000 2,000
Feet
1 inch = 2,000 feet

N:\ES\HW\JOBS\2009\01209295 - OPC City Tow GW Monitoring\Figures\City Tow Yard - 4:20pm By 2178aph



SCS ENGINEERS

ENVIRONMENTAL CONSULTANTS

3900 KILROY AIRPORT WAY, SUITE 100
LONG BEACH, CA 90806
PH. (562) 426-9544 FAX. (562) 427-0805

PROJ. NO.	01209295.00	DWN. BY:	L. FUENTES	ACAD FILE:	J/HW/2009
DSN. BY:	P.GOMEZ	CHK. BY:	P.GOMEZ	APP. BY:	K. GREEN

CLIENT:

CITY OF LONG BEACH
c/o MR. CRAIG JUSTESEN
OVERLAND, PACIFIC and CUTLER, INC.
3750 SCHAUFLE AVENUE, SUITE 150
LONG BEACH, CA 90808
(562) 304-2000

SHEET TITLE:

GROUNDWATER ELEVATION MAP, JANUARY 21, 2011
FORMER LONG BEACH CITY TOW YARD,
901 W. ANAHEIM, LONG BEACH, CA

PROJECT TITLE:

GROUNDWATER MONITORING SERVICES
FORMER LONG BEACH CITY TOW YARD UST SITE
901 WEST ANAHEIM ST., LONG BEACH, CALIFORNIA

DATE:

February 2011

SCALE:

1" = 30'

FIGURE NO.

2

TABLES 1 AND 2

TABLE 1
SUMMARY OF GROUNDWATER ELEVATION DATA
FORMER LONG BEACH CITY TOW YARD
901 W. ANAHEIM STREET, LONG BEACH, CALIFORNIA

Well No.	Reference Point Elevation* (Ft. above MSL)	Well Depth (Ft. Below RP)	Perforated Interval (feet bgs) and Well Diameter	Date	Free Product Thickness (Ft.)	Depth to Water (Ft. below RP)	Groundwater Elevation (Ft. Above MSL)
MW-1	6.79	20	5-20 (4 in.)	8/11/2005	0.00	5.99	0.80
				3/24/2006	0.00	6.00	0.79
				6/20/2006	0.00	5.90	0.89
				9/20/2006	0.00	6.58	0.21
				2/18/2010	0.00	3.90	2.89
				1/21/2011	0.00	3.79	3.00
MW-2	6.74	20	5-20 (4 in.)	8/11/2005	0.00	6.23	0.51
				3/24/2006	0.00	6.17	0.57
				6/20/2006	0.00	6.11	0.63
				9/20/2006	0.00	6.74	0.00
				2/18/2010	0.00	4.27	2.47
				1/21/2011	0.00	3.67	3.07
MW-3	7.55	20	5-20 (4 in.)	8/11/2005	0.00	7.12	0.43
				3/24/2006	0.00	7.07	0.48
				6/20/2006	0.00	6.99	0.56
				9/20/2006	0.00	7.57	-0.02
				2/18/2010	0.00	4.98	2.57
				1/21/2011	0.00	3.88	3.67

* = Casing reference point elevation.

RP = Reference Point on Well Casing

MSL = Mean Sea Level.

BGS = Below Ground Surface.

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
FORMER LONG BEACH CITY TOW YARD
901 W. ANAHEIM STREET, LONG BEACH, CALIFORNIA

Well ID	Sample Date	Total Petroleum Hydrocarbons (EPA Method 8015M)		Volatile Organic Compounds (VOCs) (EPA Method 8260B)															
		Gasoline Range (C4-C12)	Diesel Range (C13-C22)	Benzene	Toluene	Ethylbenzene	Xylenes	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Isopropylbenzene	n-Propylbenzene	p-Isopropyltoluene	Naphthalene	n-Butylbenzene	sec-Butylbenzene	Chloromethane	Methyl-tert-butyl ether (MTBE)	Diisopropyl Ether (DIPE)	tert-Butyl alcohol (TBA)
		Milligrams per Liter (mg/L)		Micrograms per Liter (µg/L)															
B25-GW	6/21/2005	2.34	2.59	<5.0	<5.0	<5.0	<15	--	--	<5.0	<5.0	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	--
MW1	8/11/05	0.189	--	<0.5	<0.5	1.2	4.8	--	--	--	--	--	--	--	--	--	<0.5	<0.5	<0.5
	3/24/06	0.171	--	0.9 J	1.4	12.9	5.3	7.2	<0.5	3.9	6.1	<0.5	<0.5	<0.5	0.6 J	<1.5	<0.5	<0.5	<10
	6/20/06	1.840	--	<0.5	<0.5	1.3	<1.5	<0.5	<0.5	2.3	2.2	<0.5	<0.5	<0.5	<0.5	<1.5	<0.5	<0.5	<10
	9/20/06	0.171	--	<0.5	<0.5	2.2	<1.5	0.7 J	<0.5	1.1	1.5	<0.5	0.8 J	<0.5	<0.5	<1.5	<0.5	<0.5	<10
	2/18/10	0.0087J	<0.1	<0.5	<0.5	<0.5	<1.5	<0.5	<0.5	0.720J	<0.5	<0.5	<0.5	<0.5	<0.5	<1.5	<0.5	<0.5	<10
	1/21/11	0.0502	<0.1	<0.5	<0.5	<0.5	<1.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.5	<0.5	<0.5	<10
MW2	8/11/05	<0.005	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	--	--	--	--	<0.5	<0.5	<0.5
	3/24/06	0.158	--	0.8 J	2.2	0.6 J	3.5	<0.5	<0.5	4.3	2.3	<0.5	<0.5	<0.5	0.5 J	<1.5	<0.5	<0.5	<10
	6/20/06	0.036	--	<0.5	<0.5	<0.5	<1.5	<0.5	<0.5	1.0	0.7 J	<0.5	<0.5	<0.5	<0.5	<1.5	<0.5	<0.5	<10
	9/20/06	0.037	--	<0.5	<0.5	1.1	<1.5	<0.5	<0.5	0.5 J	0.7 J	<0.5	<0.5	<0.5	<0.5	<1.5	<0.5	<0.5	<10
	2/18/10	0.044	<0.1	0.650J	<0.5	1.54	<1.5	<0.5	<0.5	1.10	0.960J	<0.5	<0.5	<0.5	<0.5	2.06J	<0.5	<0.5	<10
	1/21/11	<0.005	<0.1	<0.5	<0.5	<0.5	<1.5	<0.5	<0.5	0.560J	<0.5	<0.5	<0.5	<0.5	<0.5	<1.5	<0.5	<0.5	<10
MW3	8/11/05	0.024	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	--	--	--	--	3.9	<0.5	38.8 J
	3/24/06	0.402	--	15.8	2.3	18.0	5.8	2.2	0.6 J	8.2	9.4	<0.5	3.3	<0.5	1.3	<1.5	2.8	0.9 J	<10
	6/20/06	1.84	--	45.8	2.8	50.8	9.4	10.8	4.7	26.4	53.7	0.6 J	23.5	<0.5	5.7	<1.5	1.3	<0.5	<10
	9/20/06	1.03	--	36.7	2.1	58.7	4.4	4.9	3.5	13.9	30.3	<0.5	1.9	2.9	2.4	<1.5	2.0	<0.5	<10
	2/18/10	0.352	0.263J	13.5	0.630J	<0.5	1.69J	<0.5	<0.5	1.53	1.81	<0.5	8.34	<0.5	<0.5	<1.5	<0.5	<0.5	<10
	1/21/11	0.469	<0.1	12.7	0.580J	4.73	1.42J	<0.5	<0.5	8.67	15.9	<0.5	2.86	13.1	1.42	<1.5	<0.5	<0.5	<10
MCL or NL		--	--	1	150	300	1,750	--	--	--	--	--	17	--	--	--	13	--	12

Notes:

- 1) -- = Not Applicable or Not Analyzed
- 2) < = Less than reporting limit
- 3) J = Analyte was detected. However, the analyte concentration is an estimated value, which is between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).
- 4) MCL = Maximum Contaminant Level; NL = Notification Level (formerly referred to as action level). Reference - California Department of Health Services.

APPENDIX A
AETL LABORATORY REPORT



American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

Ordered By

SCS Engineers
3900 Kilroy Airport Way Suite 100
Long Beach, CA 90806-6816

Telephone: (562)426-9544
Attention: Kevin Green

Number of Pages 10

Date Received 01/21/2011

Date Reported 01/28/2011

Job Number	Order Date	Client
59820	01/21/2011	SCS

Project ID: 01209295.00
Project Name: Long Beach City Tow Yard
Site: Long Beach, CA

Enclosed please find results of analyses of 3 water samples which were analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By: 

Approved By: 

Cyrus Razmara, Ph.D.
Laboratory Director



American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street, Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

CHAIN OF CUSTODY RECORD

No 69644

Page 1 of 1

COMPANY SCS Engineers		PROJECT MANAGER Kevin Green	
COMPANY ADDRESS 3900 Kuy Airport Way Ste 100		PHONE FAX	
PROJECT NAME Long Beach City tow yard		PROJECT # 01209295.co	
SITE NAME AND ADDRESS		PO #	

AETL JOB No. **59820**

SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.
1 MW-2	59820.01	11/21/11	9:50	GW	30005 PL Amg.	Hcl
2 MW-1	59820.02	1	10:34	1	1	1
3 MW-3	59820.03	1	11:05	1	1	1
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						

ANALYSIS REQUESTED										TEST INSTRUCTIONS & COMMENTS
GAU6061-ox/guaf-5	GAU6061-ox/guaf-5	GAU6061-ox/guaf-5	GAU6061-ox/guaf-5	GAU6061-ox/guaf-5	GAU6061-ox/guaf-5	GAU6061-ox/guaf-5	GAU6061-ox/guaf-5	GAU6061-ox/guaf-5	GAU6061-ox/guaf-5	
X	X	X								
X	X	X								
X	X	X								

SAMPLE RECEIPT - TO BE FILLED BY LABORATORY				RELINQUISHED BY: 1.		RELINQUISHED BY: 2.		RELINQUISHED BY: 3.	
TOTAL NUMBER OF CONTAINERS	12	PROPERLY COOLED (Y) / N / NA		Signature: <i>Kevin Green</i>		Signature: <i>[Signature]</i>		Signature: <i>[Signature]</i>	
CUSTODY SEALS Y (N) / NA		SAMPLES INTACT (Y) / N / NA		Printed Name: <i>Kevin Green</i>		Printed Name: <i>[Name]</i>		Printed Name: <i>[Name]</i>	
RECEIVED IN GOOD COND. (Y) / N		SAMPLES ACCEPTED (Y) / N		Date: <i>11/21/11</i> Time: <i>1420</i>		Date: <i>[Date]</i> Time: <i>[Time]</i>		Date: <i>11/21/11</i> Time: <i>1720</i>	
TURN AROUND TIME				RECEIVED BY: 1.		RECEIVED BY: 2.		RECEIVED BY: 3.	
☒ NORMAL ☐ RUSH ☐ SAME DAY ☐ 2 DAYS ☐ NEXT DAY ☐ 3 DAYS				Signature: <i>[Signature]</i>		Signature: <i>[Signature]</i>		Signature: <i>[Signature]</i>	
				Printed Name: <i>[Name]</i>		Printed Name: <i>[Name]</i>		Printed Name: <i>[Name]</i>	
				Date: <i>11/21/11</i> Time: <i>1420</i>		Date: <i>[Date]</i> Time: <i>[Time]</i>		Date: <i>11/21/11</i> Time: <i>1720</i>	

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator



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ANALYTICAL RESULTS

Ordered By

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Site

Long Beach, CA

Telephone: (562)426-9544

Attn: Kevin Green

Page: 2

Project ID: 01209295.00

Project Name: Long Beach City Tow Yard

AETL Job Number	Submitted	Client
59820	01/21/2011	SCS

Method: 8260B, Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0125111A1

Our Lab I.D.			Method Blank	59820.01	59820.02	59820.03	
Client Sample I.D.				MW-2	MW-1	MW-3	
Date Sampled				01/21/2011	01/21/2011	01/21/2011	
Date Prepared			01/25/2011	01/25/2011	01/25/2011	01/25/2011	
Preparation Method			5030B	5030B	5030B	5030B	
Date Analyzed			01/25/2011	01/25/2011	01/25/2011	01/25/2011	
Matrix			Aqueous	Aqueous	Aqueous	Aqueous	
Units			ug/L	ug/L	ug/L	ug/L	
Dilution Factor			1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	
Acetone	10	10	ND	ND	ND	ND	
Benzene	0.5	1.0	ND	ND	ND	12.7	
Bromobenzene (Phenyl bromide)	0.5	1.0	ND	ND	ND	ND	
Bromochloromethane	0.5	1.0	ND	ND	ND	ND	
Bromodichloromethane	0.5	1.0	ND	ND	ND	ND	
Bromoform (Tribromomethane)	2.5	5.0	ND	ND	ND	ND	
Bromomethane (Methyl bromide)	1.5	3.0	ND	ND	ND	ND	
2-Butanone (MEK)	5.0	5.0	ND	ND	ND	ND	
n-Butylbenzene	0.5	1.0	ND	ND	ND	13.1	
sec-Butylbenzene	0.5	1.0	ND	ND	ND	1.42	
tert-Butylbenzene	0.5	1.0	ND	ND	ND	ND	
Carbon Disulfide	0.5	1.0	ND	ND	ND	ND	
Carbon tetrachloride	0.5	1.0	ND	ND	ND	ND	
Chlorobenzene	0.5	1.0	ND	ND	ND	ND	
Chloroethane	1.5	3.0	ND	ND	ND	ND	
2-Chloroethyl vinyl ether	2.5	5.0	ND	ND	ND	ND	
Chloroform (Trichloromethane)	0.5	1.0	ND	ND	ND	ND	
Chloromethane (Methyl chloride)	1.5	3.0	ND	ND	ND	ND	
2-Chlorotoluene	0.5	1.0	ND	ND	ND	ND	
4-Chlorotoluene	0.5	1.0	ND	ND	ND	ND	
1,2-Dibromo-3-chloropropane (DBCP)	2.5	5.0	ND	ND	ND	ND	
Dibromochloromethane	0.5	1.0	ND	ND	ND	ND	
1,2-Dibromoethane (EDB)	0.5	1.0	ND	ND	ND	ND	
Dibromomethane	0.5	1.0	ND	ND	ND	ND	
1,2-Dichlorobenzene	0.5	1.0	ND	ND	ND	ND	
1,3-Dichlorobenzene	0.5	1.0	ND	ND	ND	ND	
1,4-Dichlorobenzene	0.5	1.0	ND	ND	ND	ND	



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Project ID: 01209295.00
Project Name: Long Beach City Tow Yard

AETL Job Number	Submitted	Client
59820	01/21/2011	SCS

Method: 8260B, Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0125111A1

Our Lab I.D.			Method Blank	59820.01	59820.02	59820.03	
Client Sample I.D.				MW-2	MW-1	MW-3	
Date Sampled				01/21/2011	01/21/2011	01/21/2011	
Date Prepared			01/25/2011	01/25/2011	01/25/2011	01/25/2011	
Preparation Method			5030B	5030B	5030B	5030B	
Date Analyzed			01/25/2011	01/25/2011	01/25/2011	01/25/2011	
Matrix			Aqueous	Aqueous	Aqueous	Aqueous	
Units			ug/L	ug/L	ug/L	ug/L	
Dilution Factor			1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	
Dichlorodifluoromethane	1.5	3.0	ND	ND	ND	ND	
1,1-Dichloroethane	0.5	1.0	ND	ND	ND	ND	
1,2-Dichloroethane (EDC)	0.5	1.0	ND	ND	ND	ND	
1,1-Dichloroethene	0.5	1.0	ND	ND	ND	ND	
cis-1,2-Dichloroethene	0.5	1.0	ND	ND	ND	ND	
trans-1,2-Dichloroethene	0.5	1.0	ND	ND	ND	ND	
1,2-Dichloropropane	0.5	1.0	ND	ND	ND	ND	
1,3-Dichloropropane	0.5	1.0	ND	ND	ND	ND	
2,2-Dichloropropane	0.5	1.0	ND	ND	ND	ND	
1,1-Dichloropropene	0.5	1.0	ND	ND	ND	ND	
cis-1,3-Dichloropropene	0.5	1.0	ND	ND	ND	ND	
trans-1,3-Dichloropropene	0.5	1.0	ND	ND	ND	ND	
Ethylbenzene	0.5	1.0	ND	ND	ND	4.73	
Hexachlorobutadiene	1.5	3.0	ND	ND	ND	ND	
2-Hexanone	2.5	5.0	ND	ND	ND	ND	
Iodomethane	0.5	1.0	ND	ND	ND	ND	
Isopropylbenzene	0.5	1.0	ND	0.560J	ND	8.67	
p-Isopropyltoluene	0.5	1.0	ND	ND	ND	ND	
4-Methyl-2-pentanone (MIBK)	2.5	5.0	ND	ND	ND	ND	
Methylene chloride (DCM)	2.0	4.0	ND	ND	ND	ND	
Naphthalene	0.5	1.0	ND	ND	ND	2.86	
n-Propylbenzene	0.5	1.0	ND	ND	ND	15.9	
Styrene	0.5	1.0	ND	ND	ND	ND	
1,1,1,2-Tetrachloroethane	0.5	1.0	ND	ND	ND	ND	
1,1,2,2-Tetrachloroethane	0.5	1.0	ND	ND	ND	ND	
Tetrachloroethene	0.5	1.0	ND	ND	ND	ND	
Toluene (Methyl benzene)	0.5	1.0	ND	ND	ND	0.580J	
1,2,3-Trichlorobenzene	0.5	1.0	ND	ND	ND	ND	
1,2,4-Trichlorobenzene	0.5	1.0	ND	ND	ND	ND	
1,1,1-Trichloroethane	0.5	1.0	ND	ND	ND	ND	
1,1,2-Trichloroethane	0.5	1.0	ND	ND	ND	ND	
Trichloroethene	0.5	1.0	ND	ND	ND	ND	
Trichlorofluoromethane	0.5	1.0	ND	ND	ND	ND	
1,2,3-Trichloropropane	0.5	1.0	ND	ND	ND	ND	



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ANALYTICAL RESULTS

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Project ID: 01209295.00
Project Name: Long Beach City Tow Yard

AETL Job Number	Submitted	Client
59820	01/21/2011	SCS

Method: 8260B, Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0125111A1

Our Lab I.D.			Method Blank	59820.01	59820.02	59820.03	
Client Sample I.D.				MW-2	MW-1	MW-3	
Date Sampled				01/21/2011	01/21/2011	01/21/2011	
Date Prepared			01/25/2011	01/25/2011	01/25/2011	01/25/2011	
Preparation Method			5030B	5030B	5030B	5030B	
Date Analyzed			01/25/2011	01/25/2011	01/25/2011	01/25/2011	
Matrix			Aqueous	Aqueous	Aqueous	Aqueous	
Units			ug/L	ug/L	ug/L	ug/L	
Dilution Factor			1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	
1,2,4-Trimethylbenzene	0.5	1.0	ND	ND	ND	ND	
1,3,5-Trimethylbenzene	0.5	1.0	ND	ND	ND	ND	
Vinyl Acetate	0.5	5.0	ND	ND	ND	ND	
Vinyl chloride (Chloroethene)	0.5	3.0	ND	ND	ND	ND	
o-Xylene	0.5	1.0	ND	ND	ND	ND	
m,p-Xylenes	1.0	2.0	ND	ND	ND	1.42J	
tert-Butyl alcohol (TBA)	10	50	ND	ND	ND	ND	
Diisopropyl ether (DIPE)	0.5	1.0	ND	ND	ND	ND	
Ethyl alcohol (Ethanol)	250	500	ND	ND	ND	ND	
Ethyl-tert-butyl ether (ETBE)	0.5	1.0	ND	ND	ND	ND	
Methyl-tert-butyl ether (MTBE)	0.5	1.0	ND	ND	ND	ND	
tert-Amyl methyl ether (TAME)	0.5	1.0	ND	ND	ND	ND	
Our Lab I.D.			Method Blank	59820.01	59820.02	59820.03	
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	
Bromofluorobenzene	75-125		109	123	122	92.6	
Dibromofluoromethane	75-125		107	106	106	104	
Toluene-d8	75-125		102	101	101	100	



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Project ID: 01209295.00

Project Name: Long Beach City Tow Yard

AETL Job Number	Submitted	Client
59820	01/21/2011	SCS

Method: M8015G, TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 0124110B1

Our Lab I.D.			Method Blank	59820.01	59820.02	59820.03	
Client Sample I.D.				MW-2	MW-1	MW-3	
Date Sampled				01/21/2011	01/21/2011	01/21/2011	
Date Prepared			01/24/2011	01/24/2011	01/24/2011	01/24/2011	
Preparation Method			5030B	5030B	5030B	5030B	
Date Analyzed			01/24/2011	01/24/2011	01/24/2011	01/24/2011	
Matrix			Aqueous	Aqueous	Aqueous	Aqueous	
Units			mg/L	mg/L	mg/L	mg/L	
Dilution Factor			1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	
TPH as Gasoline and Light HC. (C4-C12)	0.005	0.010	ND	ND	0.0502	0.469	
Our Lab I.D.			Method Blank	59820.01	59820.02	59820.03	
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	
Bromofluorobenzene	75-125		78.0	77.0	79.6	119	



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Project ID: 01209295.00

Project Name: Long Beach City Tow Yard

AETL Job Number	Submitted	Client
59820	01/21/2011	SCS

Method: M8015D, TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 012411DB1

Our Lab I.D.			Method Blank	59820.01	59820.02	59820.03	
Client Sample I.D.				MW-2	MW-1	MW-3	
Date Sampled				01/21/2011	01/21/2011	01/21/2011	
Date Prepared			01/24/2011	01/24/2011	01/24/2011	01/24/2011	
Preparation Method			3510C	3510C	3510C	3510C	
Date Analyzed			01/24/2011	01/24/2011	01/24/2011	01/24/2011	
Matrix			Aqueous	Aqueous	Aqueous	Aqueous	
Units			mg/L	mg/L	mg/L	mg/L	
Dilution Factor			1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	
TPH as Diesel (C13-C22)	0.1	0.5	ND	ND	ND	ND	
TPH as Heavy Hydrocarbons (C23-C40)	0.1	0.5	ND	ND	ND	ND	
TPH Total as Diesel and Heavy HC.C13-C40	0.1	0.5	ND	ND	ND	ND	
Our Lab I.D.			Method Blank	59820.01	59820.02	59820.03	
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	
Chlorobenzene	60-125		70.5	67.5	78.5	70.5	



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Project ID: 01209295.00

Project Name: Long Beach City Tow Yard

AETL Job Number	Submitted	Client
59820	01/21/2011	SCS

Method: 8260B, Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0125111A1; Dup or Spiked Sample: B0125111A1; LCS: Clean Water; QC Prepared: 01/25/2011; QC Analyzed: 01/25/2011;
Units: ug/L

Analytes	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit	
Benzene	50.0	55.5	111	50.0	55.5	111	<1	75-125	<20	
Chlorobenzene	50.0	51.0	102	50.0	52.2	104	1.94	75-125	<20	
1,1-Dichloroethene	50.0	60.4	121	50.0	62.8	126	4.05	75-125	<20	
Toluene (Methyl benzene)	50.0	48.4	96.8	50.0	49.6	99.2	2.45	75-125	<20	
Trichloroethene	50.0	60.6	121	50.0	58.8	118	2.51	75-125	<20	
Methyl-tert-butyl ether (MTBE)	50.0	56.2	112	50.0	55.5	111	<1	75-125	<20	
Surrogates										
Bromofluorobenzene	50.0	47.0	94.0	50.0	45.8	91.6	2.55	75-125	<20	
Dibromofluoromethane	50.0	52.4	105	50.0	53.6	107	1.90	75-125	<20	
Toluene-d8	50.0	46.7	93.4	50.0	46.9	93.8	<1	75-125	<20	

QC Batch No: 0125111A1; Dup or Spiked Sample: B0125111A1; LCS: Clean Water; QC Prepared: 01/25/2011; QC Analyzed: 01/25/2011;
Units: ug/L

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit						
Benzene	50.0	55.8	112	75-125						
Chlorobenzene	50.0	50.9	102	75-125						
1,1-Dichloroethene	50.0	58.6	117	75-125						
Toluene (Methyl benzene)	50.0	49.2	98.4	75-125						
Trichloroethene	50.0	56.9	114	75-125						
Methyl-tert-butyl ether (MTBE)	50.0	54.9	110	75-125						
Surrogates										
Bromofluorobenzene	50.0	43.5	86.9	75-125						
Dibromofluoromethane	50.0	52.6	105	75-125						
Toluene-d8	50.0	47.5	95.0	75-125						
LCS										
Chloroform (Trichloromethane)	50.0	55.8	112	75-125						
Ethylbenzene	50.0	49.2	98.4	75-125						
1,1,1-Trichloroethane	50.0	51.1	102	75-125						
o-Xylene	50.0	50.2	100	75-125						



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QUALITY CONTROL RESULTS

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Project ID: 01209295.00
Project Name: Long Beach City Tow Yard

AETL Job Number	Submitted	Client
59820	01/21/2011	SCS

Method: 8260B, Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0125111A1; Dup or Spiked Sample: B0125111A1; LCS: Clean Water; QC Prepared: 01/25/2011; QC Analyzed: 01/25/2011;
Units: ug/L

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit						
m,p-Xylenes	100	100	100	75-125						



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Page: 9

Project ID: 01209295.00

Project Name: Long Beach City Tow Yard

AETL Job Number	Submitted	Client
59820	01/21/2011	SCS

Method: M8015D, TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 012411DB1; Dup or Spiked Sample: 0121; LCS: Clean Water; QC Prepared: 01/24/2011; QC Analyzed: 01/24/2011;
Units: mg/L

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
TPH as Diesel (C13-C22)	0.00	5.00	4.97	99.4	5.00	5.17	103	3.56	75-125	<20
Surrogates										
Chlorobenzene	0.00	2.00	1.38	69.0	2.00	1.56	78.0	13.0	60-125	<20

QC Batch No: 012411DB1; Dup or Spiked Sample: 0121; LCS: Clean Water; QC Prepared: 01/24/2011; QC Analyzed: 01/24/2011;
Units: mg/L

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit						
TPH as Diesel (C13-C22)	5.00	4.78	95.6	75-125						
Surrogates										
Chlorobenzene	2.00	1.31	65.5	60-125						



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Project ID: 01209295.00

Project Name: Long Beach City Tow Yard

AETL Job Number	Submitted	Client
59820	01/21/2011	SCS

Method: M8015G, TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 012411OB1; Dup or Spiked Sample: B012411OB1; LCS: Clean Water; QC Prepared: 01/24/2011; QC Analyzed: 01/24/2011;
Units: mg/L

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
TPH as Gasoline and Light HC. (C4-C12)	0.00	0.500	0.430	85.8	0.500	0.400	79.8	7.25	75-125	<20
Surrogates										
Bromofluorobenzene	0.00	0.0500	0.0447	89.4	0.0500	0.0421	84.2	5.82	75-125	<20

QC Batch No: 012411OB1; Dup or Spiked Sample: B012411OB1; LCS: Clean Water; QC Prepared: 01/24/2011; QC Analyzed: 01/24/2011;
Units: mg/L

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit						
TPH as Gasoline and Light HC. (C4-C12)	0.500	0.510	102	75-125						
Surrogates										
Bromofluorobenzene	0.0500	0.0490	98.0	75-125						



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Data Qualifiers and Descriptors

Data Qualifier:

∗:	In the QC section, sample results have been taken directly from the ICP reading. No preparation factor has been applied.
B:	Analyte was present in the Method Blank.
D:	Result is from a diluted analysis.
E:	Result is beyond calibration limits and is estimated.
H:	Analysis was performed over the allowed holding time due to circumstances which were beyond laboratory control.
J:	Analyte was detected . However, the analyte concentration is an estimated value, which is between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).
M:	Matrix spike recovery is outside control limits due to matrix interference. Laboratory Control Sample recovery was acceptable.
MCL:	Maximum Contaminant Level
NS:	No Standard Available
S6:	Surrogate recovery is outside control limits due to matrix interference.
S8:	The analysis of the sample required a dilution such that the surrogate concentration was diluted below the method acceptance criteria.
X:	Results represent LCS and LCSD data.

Definition:

%Limi:	Percent acceptable limits.
%REC:	Percent recovery.
Con.L:	Acceptable Control Limits
Conce:	Added concentration to the sample.
LCS:	Laboratory Control Sample
MDL:	Method Detection Limit is a statistically derived number which is specific for each instrument, each method, and each compound. It indicates a distinctively detectable quantity with 99% probability.



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Data Qualifiers and Descriptors

MS: Matrix Spike

MS DU: Matrix Spike Duplicate

ND: Analyte was not detected in the sample at or above MDL.

PQL: Practical Quantitation Limit or ML (Minimum Level as per RWQCB) is the minimum concentration that can be quantified with more than 99% confidence. Taking into account all aspects of the entire analytical instrumentation and practice.

Recov: Recovered concentration in the sample.

RPD: Relative Percent Difference

APPENDIX B

GROUNDWATER SAMPLING RECORDS

GROUNDWATER SAMPLING RECORD

Well ID: MW-1 Station #: _____ Project # 01209295.01

Facility Name: Long Beach City Tow Yard Date: 1/12/11

Well Depth: 20 Depth to Water: 3.79 Well Diameter: 4"

Casing Material: pvc Volume Of Water per Well Volume: _____

Sampling Crew: L. Weaver

Equipment: QED MicroPurge Tubing Material: polyethylene Pump set at 14 ft.

Weather Conditions: Sunny 75°

NOTES: clear water, odor

TIME	<u>10:26</u>	<u>10:30</u>	<u>10:34</u>		
Volume Pumped	<u>1L</u>	<u>2L</u>	<u>3L</u>		
Water Level					
Temp. (°C)	<u>21.52</u>	<u>21.49</u>	<u>21.48</u>		
Pumping Rate	<u>250 mL/min</u>	<u>"</u>	<u>"</u>		
DO (mg/l)	<u>0.57</u>	<u>0.08</u>	<u>0.00</u>		
EC (µS/cm)	<u>8.21</u>	<u>8.75</u>	<u>9.10</u>		
PH	<u>7.28</u>	<u>7.30</u>	<u>7.32</u>		
ORP (mV)	<u>-187</u>	<u>-195</u>	<u>-198</u>		
Turbidity (NTU)	<u>9</u>	<u>6</u>	<u>6</u>		

Parameters taken with: Hanna U-53 Other Parameters: _____

Sampled at: 10:34 (time) Sample collection method: QED MicroPurge

Sample delivered to AETL by L. Weaver at _____

Sample #'s: _____ Other #'s: _____

Parameters Collected; Number of Bottles; Bottle Lot Number:

VOC's + oxygenates

TPH-G

TPH-D

GROUNDWATER SAMPLING RECORD

Well ID: MW-2 Station #: _____ Project # 01209295.01

Facility Name: Long Beach City Tow Yard Date: 1/21/11

Well Depth: 20 Depth to Water: 3.67 Well Diameter: 4"

Casing Material: PVC Volume Of Water per Well Volume: _____

Sampling Crew: L. Weaver

Equipment: QED MicroPurge Tubing Material: polyethylene Pump set at 14 ft.

Weather Conditions: Sunny 75°

NOTES: clear water, odor.

TIME	<u>9:48</u>	<u>9:52</u>	<u>9:54</u>	_____	_____
Volume Pumped	<u>1L</u>	<u>2L</u>	<u>3L</u>	_____	_____
Water Level	_____	_____	_____	_____	_____
Temp. (°C)	<u>21.60</u>	<u>21.67</u>	<u>21.70</u>	_____	_____
Pumping Rate	<u>250ml/min</u>	<u>"</u>	<u>"</u>	_____	_____
DO (mg/l)	<u>0.73</u>	<u>0.20</u>	<u>0.04</u>	_____	_____
EC (µS/cm)	<u>5.32</u>	<u>4.67</u>	<u>4.77</u>	_____	_____
PH	<u>7.44</u>	<u>7.47</u>	<u>7.50</u>	_____	_____
ORP (mV)	<u>-109</u>	<u>-90</u>	<u>-88</u>	_____	_____
Turbidity (NTU)	<u>4</u>	<u>3</u>	<u>3</u>	_____	_____

Parameters taken with: Hanba U-53 Other Parameters: _____

Sampled at: 9:50 (time) Sample collection method: QED MicroPurge

Sample delivered to AETL by L. Weaver at _____

Sample #'s: _____ Other #'s: _____

Parameters Collected; Number of Bottles; Bottle Lot Number:

VOC's + Oxygenates

TPH-G

TPH-D

GROUNDWATER SAMPLING RECORD

Well ID: MW-3 Station #: _____ Project # 01209295.01

Facility Name: Long Beach City Tow Yard Date: 1/21/11

Well Depth: 20 Depth to Water: 3.88 Well Diameter: 4"

Casing Material: PVC Volume Of Water per Well Volume: _____

Sampling Crew: L. Weaver

Equipment: QED MicroPurge Tubing Material: polyethylene Pump set at 14 ft.

Weather Conditions: Sunny 75°

NOTES: clear water, odor

TIME	<u>10:57</u>	<u>11:01</u>	<u>11:05</u>		
Volume Pumped	<u>1L</u>	<u>2L</u>	<u>3L</u>		
Water Level					
Temp. (°C)	<u>22.37</u>	<u>22.48</u>	<u>22.58</u>		
Pumping Rate	<u>250ml/min</u>	<u>"</u>	<u>"</u>		
DO (mg/l)	<u>0.04</u>	<u>0.00</u>	<u>0.00</u>		
EC (µS/cm)	<u>262</u>	<u>259</u>	<u>258</u>		
PH	<u>6.99</u>	<u>6.98</u>	<u>6.98</u>		
ORP (mV)	<u>-190</u>	<u>-190</u>	<u>-202</u>		
Turbidity (NTU)	<u>0.42</u>	<u>0.17</u>	<u>0.00</u>		

Parameters taken with: Hanba U-53 Other Parameters: _____

Sampled at: 11:05 (time) Sample collection method: QED MicroPurge

Sample delivered to AETL by L. Weaver at _____

Sample #'s: _____ Other #'s: _____

Parameters Collected; Number of Bottles; Bottle Lot Number:

VOC's + oxygenates

TPH-G

TPH-D

SCS ENGINEERS

August 9, 2011
File No. 01209295.01

Via US Mail and email (dbjostad@waterboards.ca.gov)

Mr. Dave Bjostad
Los Angeles Regional Water Quality Control Board
Underground Storage Tank Section
320 West 4th Street, Suite 200
Los Angeles, California 90013
(213) 576-6712

Subject: Report of Closure Activities – Former Long Beach City Tow Yard, 901 West Anaheim Street, Long Beach, California (RWQCB Case No. 908130498)

Dear Mr. Bjostad:

This letter documents groundwater monitoring well abandonment activities completed at the above-referenced site. A map showing the general location of the Property and surrounding area is provided as **Figure 1**. The Regional Water Quality Control Board (RWQCB) issued a No Further Action letter dated July 6, 2011, confirming the completion of site investigation and corrective action for the former underground storage tank at the site. A site map showing the abandoned groundwater well locations is provided as **Figure 2**.

Prior to well abandonment activities, a permit for well deconstruction (Permit # 1747) was acquired from the city of Long Beach Department of Health and Human Services. As required by law, SCS contacted Underground Service Alert prior to conducting any subsurface work (Dig Alert No. A11950688).

The groundwater monitoring wells were abandoned on July 22, 2011. A hollow-stem drill rig operated by WDC Exploration & Wells (WDC) of Montclair, California was used for abandonment activities. At each location, the well box was removed, then the well over drilled to a depth of 21 feet below ground surface (bgs), and the entire PVC well casing was removed. Each well boring was backfilled with cement/bentonite slurry and patched at the surface with dyed black concrete to match the existing ground surface. Three well completion reports, one for each well, were prepared by WDC and submitted to the California Department of Water Resources (enclosed).

Soil cuttings and water from well abandonment activities were placed in 55-gallon drums and temporarily stored onsite until proper characterization and profiling was completed. The soil and water were removed from the site on August 8, 2011, for transport and disposal/treatment at Soil Safe in Adelanto, California and K-Pure Waterworks in Rancho Cucamonga for soil and water, respectfully. Manifests for the disposal are available upon request.



Should you have any questions regarding this submittal, please contact the undersigned or Kevin Green at (562) 426-9544.

Sincerely,



Ashley P. Hutchens, REA
Senior Project Scientist
SCS ENGINEERS

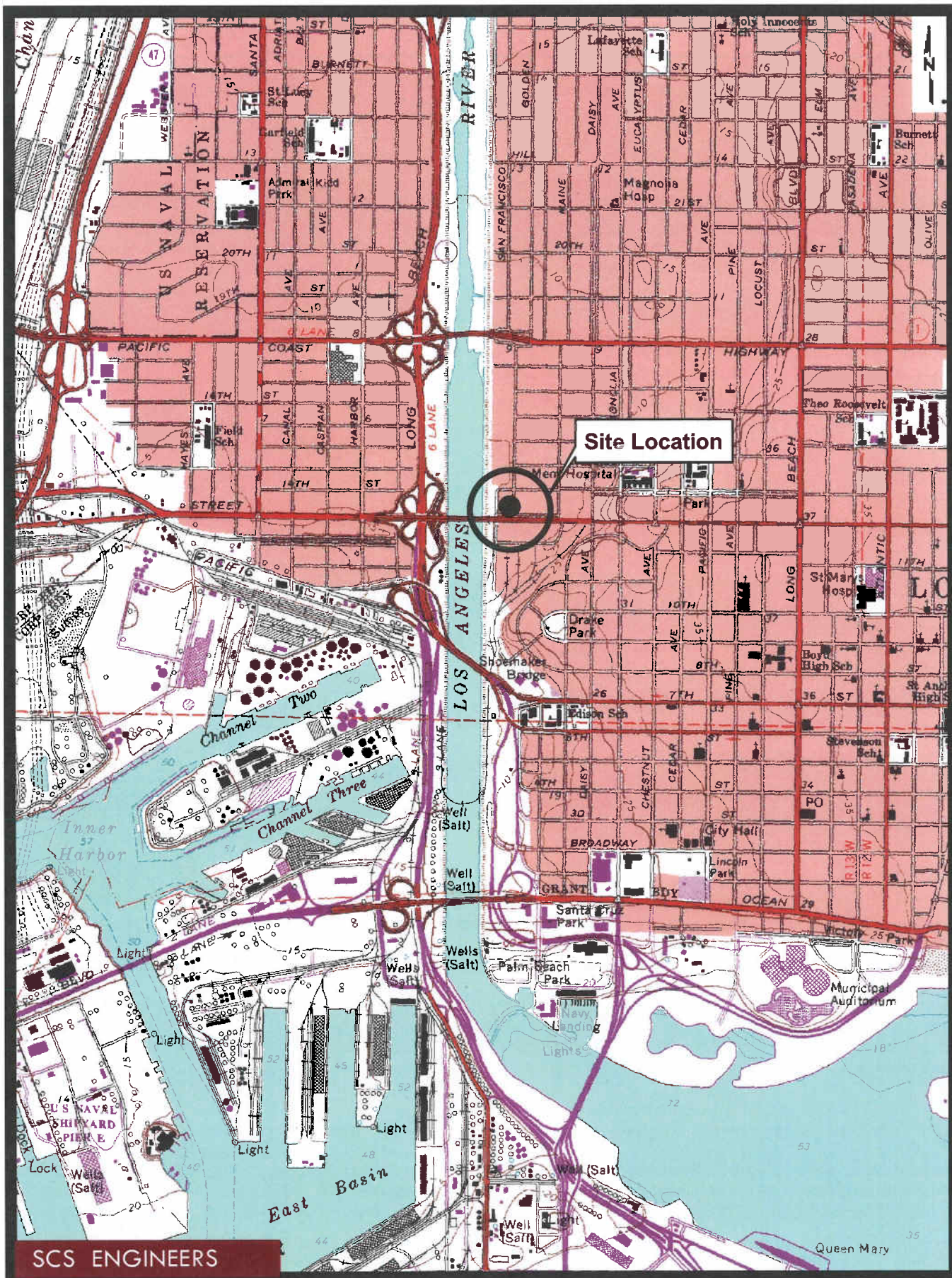


Kevin W. Green, REA, PG
Project Director
SCS ENGINEERS

cc: Craig Justesen – Overland, Pacific and Cutler, Inc. (cJustesen@opcservices.com)
Mike Conway – City of Long Beach (Michael.Conway@longbeach.gov)
Mary Torres – City of Long Beach (Mary.Torres@longbeach.gov)
Clark Neuhoﬀ – Alere Property Group (cneuhoﬀ@alereinc.com)

Enclosures: Figures 1 and 2
Well Completion Reports

FIGURES 1 AND 2

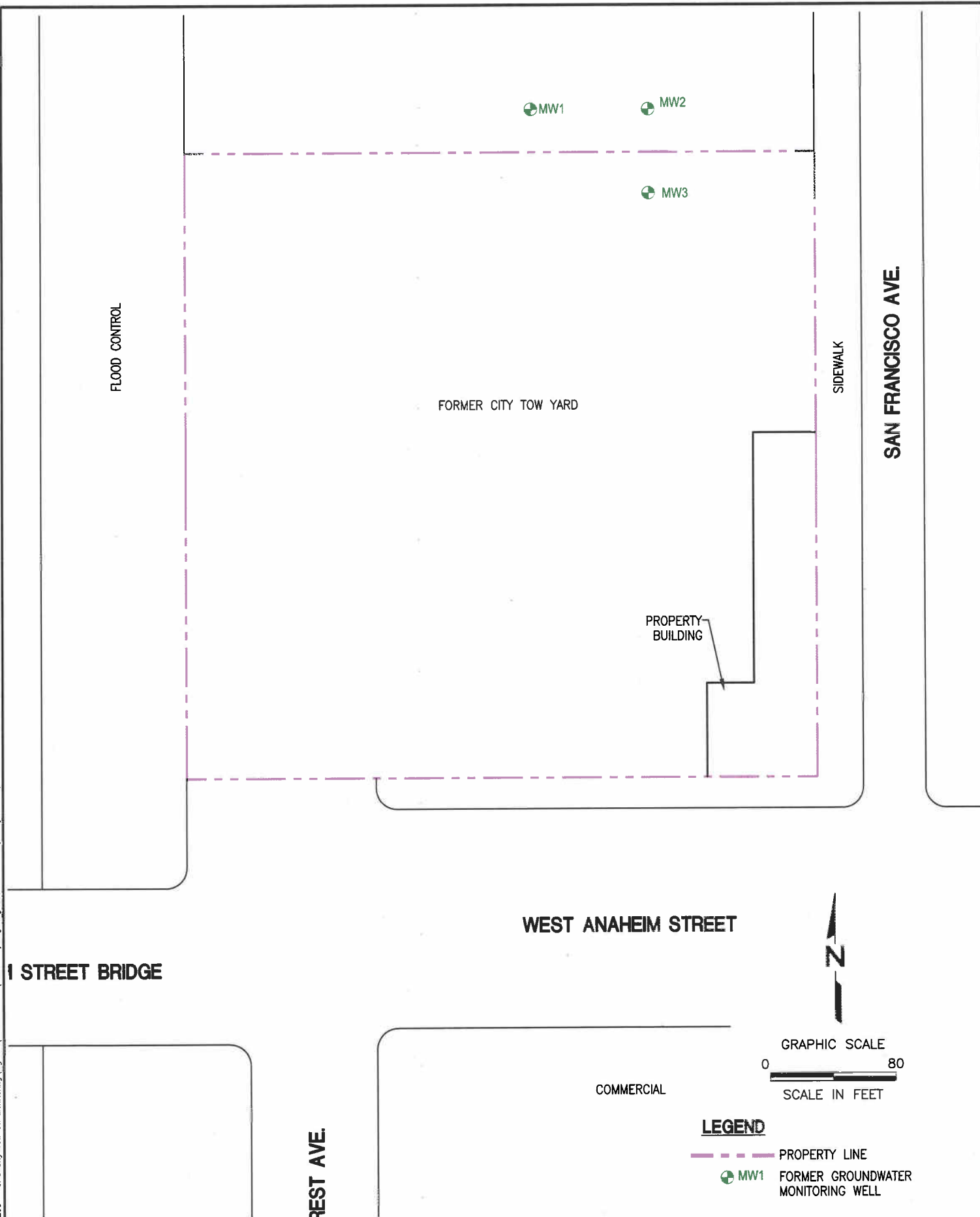


USGS 7.5 Series Quadrangle Map
 Long Beach, CA, 1978
 UTM Zone 11, NAD27
 Project #0120295.00

Figure 1
901 West Anaheim Street
Long Beach, California

0 1,000 2,000
 Feet
 1 inch = 2,000 feet

N:\ES\HW\UGBS\2009\01209295 - OPC City Tow GW Monitoring\Figures\01209295.00 (FIGURE 2).dwg Aug 08, 2011 - 6:08pm By: 217Baph



SCS ENGINEERS
ENVIRONMENTAL CONSULTANTS

3800 KILBOY AVENUE, SUITE 100
LONG BEACH, CA 90805
PH: (562) 426-8644 FAX: (562) 427-0825

PROJ. NO. 01209295.01	DRAWN BY A.HUTCHENS	ACAD. FILE JHW/2009
DATE P.GOMEZ	CHECK BY P.GOMEZ	APP. BY K.GREEN

CLIENT:

CITY OF LONG BEACH
c/o MR. CRAIG JUSTESEN
OVERLAND, PACIFIC and CUTLER, INC.
3750 SCHAUFELE AVENUE, SUITE 150
LONG BEACH, CA 90808
(562) 304-2000

SHEET TITLE:

MAP SHOWING GROUNDWATER WELLS
ABANDONED ON JULY 22, 2011

PROJECT TITLE:

GROUNDWATER MONITORING SERVICES
FORMER LONG BEACH CITY TOW YARD UST SITE
901 WEST ANAHEIM ST., LONG BEACH, CALIFORNIA

DATE:
AUGUST 2011

SCALE:
1 IN = 80 FT

FIGURE NO.

2

WELL COMPLETION REPORTS

23/395'S LONG BEACH

File Original with DWR

State of California

Refer to Instruction Pamphlet

No. e0134133

Page 1 of 1

Owner's Well Number MW-2

Date Work Began 07/22/2011

Date Work Ended 7/22/2011

Local Permit Agency City of Long Beach

Permit Number 1747Permit Date 7/14/11

DWR Use Only - Do Not Fill In											
State Well Number/Site Number											
Latitude						N	Longitude				W
APN/TRS/Other											

[illegible]

Well Owner

Name Long Beach Redevelopment Agency

Mailing Address 333 W. Ocean Blvd. #3

City Long Beach State CA Zip

Well Location

Address 901 Anaheim Street

City Long Beach County Los Angeles

Latitude _____ N Longitude _____ W
Dec. Min. Sec. Dec. Min. Sec.

Datum _____ Decimal Lat. _____ Decimal Long. _____

APN Book 7271 Page 7 Parcel 903

Township _____ Range _____ Section _____

Location Sketch (Sketch must be drawn by hand after form is printed.)		Activity
North South	☐ New Well ☐ Modification/Repair ☐ Deepen ☐ Other _____ ☒ Destroy Describe procedures and materials under "GEOLOGIC LOG"	
West East	Planned Uses ☐ Water Supply ☐ Domestic ☐ Public ☐ Irrigation ☐ Industrial ☐ Cathodic Protection ☐ Dewatering ☐ Heat Exchange ☐ Injection ☒ Monitoring ☐ Remediation ☐ Sparging ☐ Test Well ☐ Vapor Extraction ☐ Other _____	

Illustrate or describe distance of well from roads, buildings, fences, rivers, etc. and attach a map. Use additional paper if necessary. Please be accurate and complete.

Water Level and Yield of Completed Well

Depth to first water _____ (Feet below surface)

Depth to Static _____

Water Level _____ (Feet) Date Measured _____

Estimated Yield * _____ (GPM) Test Type _____

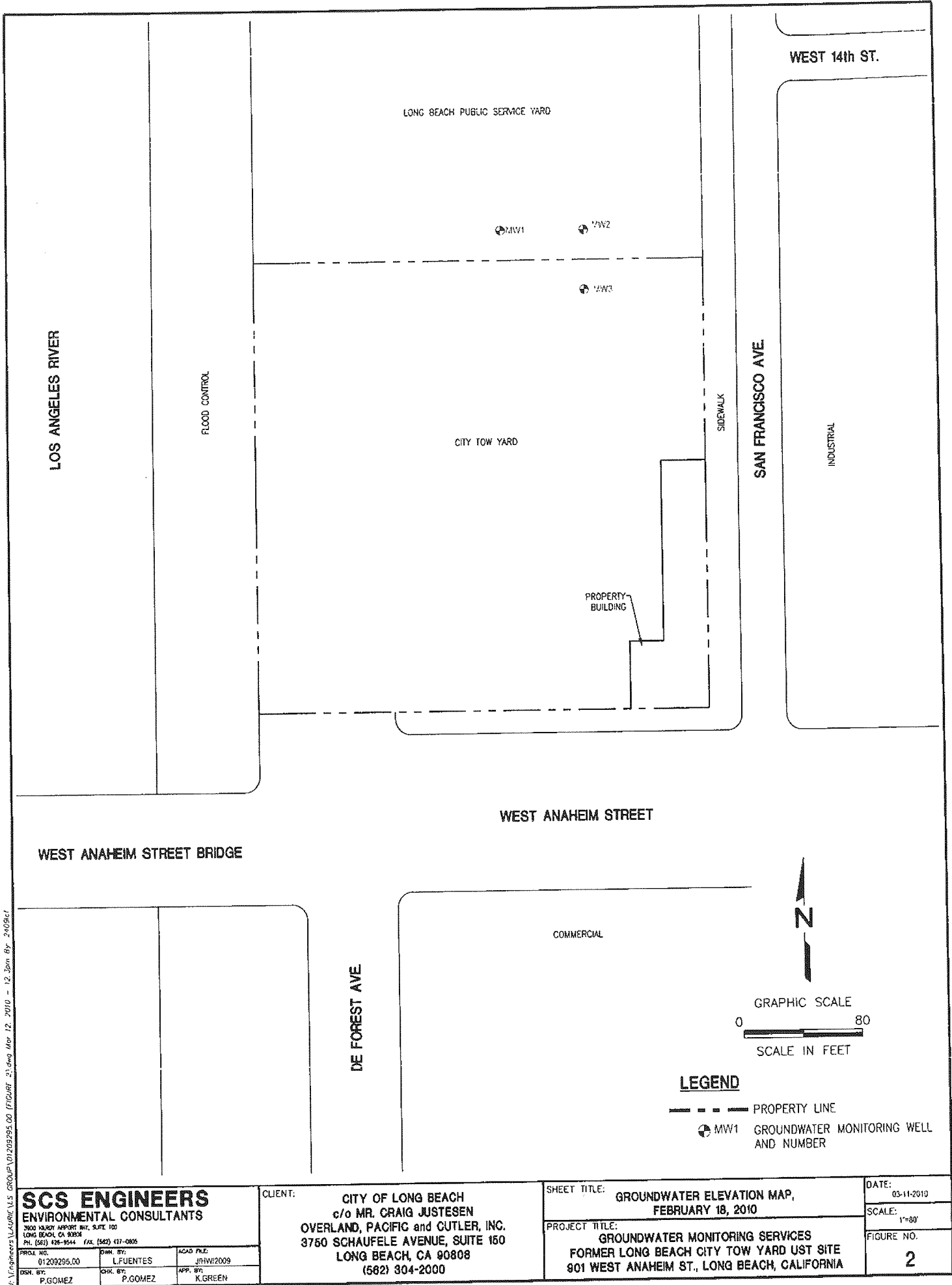
Test Length _____ (Hours) Total Drawdown _____ (Feet)

*May not be representative of a well's long term yield.

[illegible]

Attachments	Certification Statement
☐ Geologic Log ☐ Well Construction Diagram ☐ Geophysical Log(s) ☐ Soil/Water Chemical Analyses ☒ Other <u>Site Map</u>	I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief. Name <u>WDC Exploration & Wells</u> Person, Firm or Corporation <u>5566 Arrow Highway</u> <u>Montclair</u> CA <u>91763</u> Address City State Zip Signed _____ Date Signed <u>7/28/11</u> C-57 Licensed Water Well Contractor C-57 License Number

23/3955 LONG BEACH



U:\Engineers\LAUREL\11 GROU\01209295.00 (FIGURE 2) dwg 11-12-2010 - 12:30pm By: 240947

SCS ENGINEERS

March 5, 2012
Project No. 01210161.05

Via Email (carmen.piro@longbeach.gov) and US Mail

Mrs. Carmen Piro-Swart
The City of Long Beach
Department of Health & Human Services
2525 Grand Ave, Room 222
Long Beach, California 90815
(562) 570-4137

Subject: Submittal of Confirmation Sampling Report, Former Long Beach Public Service Yard, APNs 7271-007-005 and 7271-012-023, Long Beach, California

Dear Mrs. Piro-Swart:

SCS Engineers is pleased to submit the above-referenced report for your review. Please call Kevin Green or myself at (562) 426-9544 if you have any questions.

Sincerely,



Ashley P. Hutchens, REA
Senior Project Scientist
SCS ENGINEERS

Enclosures: As stated

cc: Mr. Clark Neuhoff – Alere Property Group, LLC



**CONFIRMATION SAMPLING REPORT
FORMER LONG BEACH PUBLIC SERVICE YARD
APNs 7271-007-005 and 7271-012-023
LONG BEACH, CALIFORNIA**

Prepared for:

Alere Property Group, LLC

100 Bayview Circle, Suite 310
Newport Beach, CA 92660
(949) 509-5002

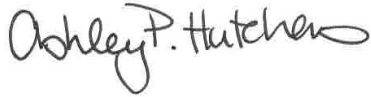
Prepared by:

SCS ENGINEERS

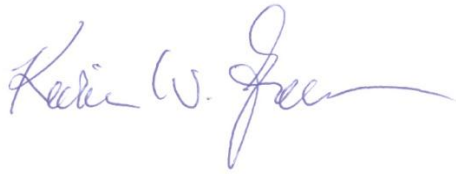
3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806-6816
(562) 426-9544

March 2, 2012
File No. 01210161.05

This Confirmation Sampling Report dated March 2, 2012, for the Property located at 949 West Anaheim Street and 1601 San Francisco Avenue, Long Beach, California, was prepared, and reviewed by the following:



Ashley P. Hutchens, REA
Senior Project Scientist



Kevin W. Green, PG, REA
Project Director
SCS ENGINEERS

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- 1 Summary of Analytical Results for Metals
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Appendices

- A City of Long Beach Soil Boring Permit
- B Advanced Technology Laboratory Report

DISCLAIMER

This report has been prepared for the Alere Property Group, LLC with specific application to confirmation soil sampling conducted on two parcels (APNs 7271-007-005 and 7271-012-023) of the Former Long Beach Public Service Yard in Long Beach, California. The report has been prepared in accordance with the care and skill generally exercised by reputable professionals, under similar circumstances, in this or similar localities. No other warranty, express or implied, is made as to the professional opinions presented herein. No other party, known or unknown to SCS Engineers, is intended as a beneficiary of this work product, its content or information embedded therein. Third parties use this report at their own risk.

1 INTRODUCTION

SCS Engineers (SCS) was retained by the Alere Property Group, LLC (Alere) to conduct confirmation sampling on two parcels of the former Long Beach Public Service Yard site. An area of the Former Long Beach Public Service Yard (LBPSY) was found to contain varying amounts of fill materials containing debris reportedly from the 1933 Long Beach earthquake. Previous investigations (discussed below) identified elevated concentrations of lead and other metals in certain areas of the fill.

It is Alere's intent to lease the northern and southern portions of the former LBPSY (APNs 7271-012-020 and -023 and 7271-007-005). Although very little fill soil exists on these parcels, and elevated metals were not previously detected in the fill on these parcels, very little sampling had previously been conducted. Confirmation sampling was conducted in accordance to SCS' Workplan for Confirmation Sampling on Two Parcels (APNs 7271-012-023 and 7271-007-005) of the Former Long Beach Public Service Yard in Long Beach, California, dated February 10, 2012, approved by the DHHS in an email dated February 15, 2012. The confirmation soil sampling was conducted on these two parcels to characterize metals concentrations, if any, towards the goal of obtaining "no further action" (NFA) letters for these parcels.

It should be noted that the bulk of fill soil on the former LBPSY site lies on the two city blocks (APNs 7271-011-008 and 7271-008-013) between the parcels investigated within this report; a NFA letter for these two city blocks will be pursued separately. A Remedial Action Plan (RAP) for these two parcels is in preparation and will be submitted under a separate permit.

BACKGROUND

The former LBPSY consists of approximately 12 acres on four and a half city blocks and was recently sold by the City of Long Beach. Alere is the current property owner. A map showing the general location of the former LBPSY and surrounding area is provided as **Figure 1**. The northern portion of the property (APNs 7271-012-020 and -023) has been leased to Baker Tanks for use as a storage yard. The southern portion of the Property (APN 7271-007-005) is planned to be leased in the very near future for a similar purpose.

An SCS Phase I Environmental Assessment report, dated February 22, 2005, cited city personnel that indicated that fill material was placed on the raised portions of the former LBPSY; the exact date of deposition and the source of this material is unknown, but reportedly may include debris from the 1933 earthquake. Based on the Phase I report, among other recommendations, SCS recommended sampling and testing the fill soils for metals, petroleum hydrocarbons, and volatile organic compounds (VOCs). The resulting SCS Phase II investigation report (August 2, 2005) did not identify any significant concentrations of hydrocarbons or VOCs, but did identify soils with elevated concentrations of lead and other metals.

As indicated above, the amount of fill in the two areas investigated herein (depicted on **Figure 2**) is minimal, and because these parcels are or may be leased for surface storage in the near future, confirmation sampling was conducted to characterize the existing metals in these areas.

2 GEOLOGIC AND HYDROGEOLOGIC CONDITIONS

PHYSIOGRAPHIC SETTING

According to the U.S. Geological Survey (USGS), Long Beach (1964, photorevised 1981), California 7.5 minute topographic map, the former LBPSY is located immediately east of the Los Angeles River at an elevation of approximately five feet above mean sea level about 1.3 miles north of San Pedro Bay. Regional topography is relatively flat with a gentle slope to the west.

GEOLOGY AND SOILS

Geologic maps indicate that surface sediments in the area are Quaternary alluvium and coastal deposits of silt, sand, and gravel that are underlain by the late Pleistocene Lakewood Formation. The Lakewood Formation, which consists of gravel, sand, sandy silt, silt and clay with shale pebbles, extends to a depth of approximately 100 feet (California DWR, Bulletin No.104). Sediments below the Lakewood Formation belong to the late Pleistocene San Pedro Formation.

GROUNDWATER

The former LBPSY is located in the southern portion of the West Coast Groundwater Basin. The first groundwater aquifer in the region is within the Gage Aquifer within the Lakewood Formation. Based on groundwater monitoring reports for a former UST site located in the 14th Street right-of-way on the former LBPSY, first groundwater is approximately 4 to 5 feet below grade and flows southeasterly in direction. Shallow groundwater has locally been impacted by saltwater intrusion; therefore, it is not used as a drinking water source. Groundwater beneath the site may be tidally influenced due to tides in the adjacent Los Angeles River.

3 SITE INVESTIGATION

PERMITTING AND SUBSURFACE UTILITIES CLEARANCE

As required by law, SCS contacted Underground Service Alert prior to conducting any subsurface work (Dig Alert No. B20460079). Goldak Inc. of Glendale, California, conducted a geophysical survey to clear boring locations of subsurface utilities and other potential obstructions. In addition, SCS obtained a soil boring permit from the City of Long Beach, Department of Health and Human Services (Permit # 1781 dated February 2, 2012, **Appendix A**).

SOIL SAMPLE COLLECTION

On February 17, 2012, eight soil borings (CB-1 through CB-8) were advanced on the southern parcel, APN 7271-007-005 at 901 W. Anaheim Street, and three soil borings (CB-9 through CB-11) were advanced on the northern parcel, APN 7271-012-023 at 1601 San Francisco Avenue, as shown on **Figure 2**.

Soil borings were drilled using a truck-mounted direct-push drill rig operated by Kehoe Testing and Engineering of Huntington Beach, California. The rig was equipped with a hydraulic hammer and a 2-foot long, 2-inch diameter sampler. A pointed steel tip was fixed to the head of the solid-spoon sampler and driven to the desired depth on a steel rod. Soil matrix samples were collected from 6 to 12 inches bgs by retracting the drive tip through the center of the sampler with an inner rod, and hydraulically hammering to the desired sample depth. Soil samples were recovered in two-foot long, 1.5-inch diameter pre-cleaned acetate sleeves that had been placed inside the sampler. An approximately 6-inch section was cut from the sample sleeve and preserved for subsequent laboratory analysis. New latex surgical gloves were used and frequently replaced in the handling of all soil samples to prevent cross-contamination.

Samples collected during this investigation consisted primarily of light brown to gray silty sand. Minor debris such as brick and glass fragments were noted in several samples on the southern parcel.

Following recovery of soil samples, the ends of the acetate sleeve were covered with Teflon squares and sealed with plastic end caps. Samples were labeled noting the date and time of collection and sample number. Immediately following labeling, samples were placed in a chilled cooler to be submitted to Advanced Technology Laboratory (ATL) of Signal Hill, California, a California Department of Health Services certified laboratory. Samples were tracked from the point of collection through the laboratory using proper chain-of-custody protocol. Soil samples were analyzed for title 22 metals using EPA Method 6010B/7471.

4 CLEANUP GOALS

The California EPA Office of Environmental Health Hazard Assessment (OEHHA) published the *Human-Exposure-Based Screening Numbers Developed to Aid Estimation of Cleanup Costs for Contaminated Soil*, dated November 2004, revised January 2005. This document describes California Human Health Screening Levels (CHHSLs) for metals in soil for residential and industrial/commercial land use scenarios. The Property is proposed to be used in the near future as a storage yard; therefore the commercial CHHSLs would be applicable. With the exception of arsenic, the commercial CHHSLs for metals, shown in **Table 1**, will be used as the cleanup goals. Based on data collected during this and previous investigation, lead is likely to be the “driver” during remediation, that is, the primary chemical of concern (COC). The proposed cleanup goal and commercial CHHSL for lead is 320 mg/kg.

With regard to arsenic, the US EPA has acknowledged that in some cases, the predictive risk-based models generate concentrations that lie within or even below the typical background. The DTSC has acknowledged that the strict use of the arsenic concentrations from risk-based models is impractical and has set acceptable levels in soil in the range of 8 to 12 mg/kg for school sites in California. Further, in a presentation to the Society of Toxicology in March 2008, three scientists from DTSC presented a study to determine regional background concentrations of arsenic in soil in southern California. This study, derived from data collected from proposed school sites in five southern California counties, resulted in an upper-bound arsenic concentration of approximately 12 mg/kg. The authors concluded that this finding suggests that

12 mg/kg may be a useful screening number for evaluating arsenic as a chemical of potential concern (COPC). Therefore, the proposed cleanup goal for arsenic is 12 mg/kg.

5 ANALYTICAL RESULTS

The ATL laboratory report, including chain-of-custody forms and quality assurance/quality control (QA/QC) data, is provided in **Appendix B**. A summary of the analytical results is provided in **Table 1**.

As shown in **Table 1**, lead was detected in one sample (CB-5, located on the southerly parcel [APN 7271-007-005]) at a concentration of 380 milligrams per kilogram (mg/kg) above the commercial CHHSL of 320 mg/kg. The remaining seven samples on APN 7271-007-005 and the three samples on APN 7271-012-023 contained lead at concentrations well below the CHHSL of 320 mg/kg, ranging from 1.1 to 20 mg/kg. All other metals detected in the confirmation samples were below their respective CHHSLs and or cleanup goals as shown on **Table 1**.

6 CONCLUSIONS AND RECOMMENDATIONS

On February 17, 2012, SCS conducted confirmation sampling on the northern and southern portions of the former LBPSY where debris from the 1933 earthquake is minimal. The purpose of the investigation was to confirm lead concentrations in these areas where debris is minimal and the areas can be leased for storage. Based on the results of this investigation, SCS has concluded the following:

- Lead was detected below the remediation goal of 320 mg/kg in seven of the eight samples collected from the southern portion of the former LBPSY (APN 7271-007-005, 901 West Anaheim Street). Samples were collected at random from representative locations across the parcel. One sample (CB-5) contained lead above the remediation goal at a concentration of 380 mg/kg. **Table 2** provides the calculation of the 95% upper confidence limit (UCL) based on the analytical results of this investigation. As shown, the 95% UCL for the eight samples collected from the southern parcel is 141.5 mg/kg; the 95% UCL for all eleven samples (southern and northern parcels) is 103.1 mg/kg. Both of these calculated 95% UCLs are far below the cleanup goal of 320 mg/kg. It is SCS's opinion that the 95% UCL more accurately represents the lead concentrations in fill soils on this parcel than individual sample results. No other metals were detected above their respective cleanup goals.
- On the northern portion of the former LBPSY, at APN 7271-012-023 located at 1601 San Francisco Avenue, none of the 17 title 22 metals were detected above cleanup goals in confirmation samples.

In summary, the results of this and previous investigations did not identify any evidence of significant impacts from lead or other metals associated with debris from the 1933 earthquake on the northern and southern portions of the former LBPSY where the debris content in soil is minimal. SCS respectfully requests that the DHHS issue NFA letters for these two areas of the

former LBPSY, one for the southern portion (APN 7271-007-005) and one for the northern portion (APN 7271-012-023).

As previously indicated, the bulk of fill soil on the former LBPSY site lies on the two city blocks (APNs 7271-011-008 and 7271-008-013) between the parcels investigated within this report and an NFA letter for these two city blocks will be pursued separately.

7 REFERENCES

California Department of Water Resources (DWR), March 1966. *Planned Utilization of Ground Water Basins of the Coastal Plain of Los Angeles County. Appendix A, Ground Water Geology, Bulletin No. 104.*

RWQCB (Los Angeles Region), May 1996. *Interim Site Assessment & Cleanup Guidebook.*

SCS Engineers, February 22, 2005. *Phase I Environmental Assessment, Long Beach Public Service Yard, San Francisco Avenue – 7 APNs, Long Beach, California* (File No. 01204007.01)

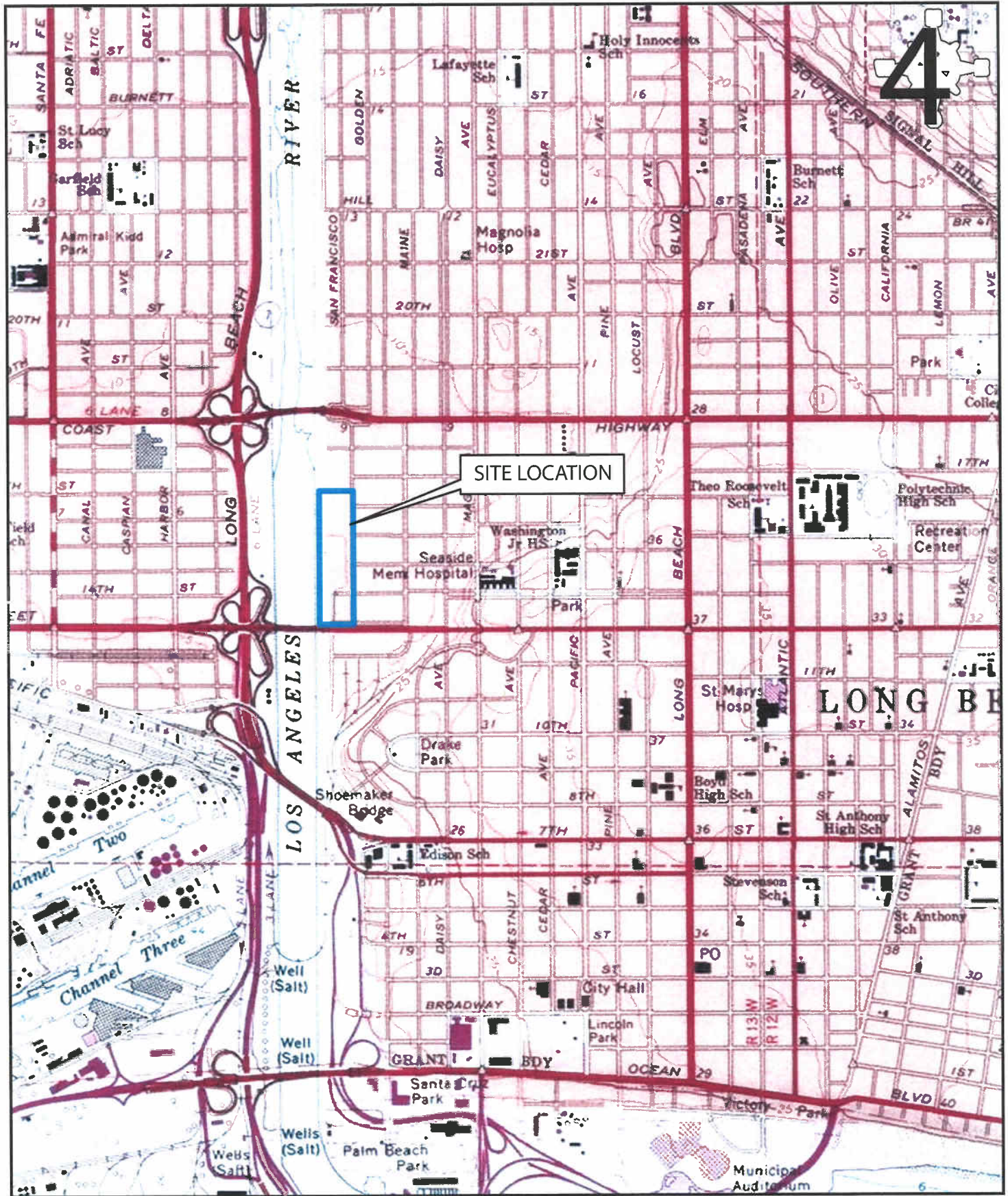
SCS Engineers, August 2, 2005. *Phase II Investigation Report, Long Beach Public Service Yard, 1601 San Francisco Avenue, Long Beach, California* (File No. 01204007.02).

SCS Engineers, October 21, 2010. *Draft Phase I Environmental Assessment Former Long Public Service Yard, 5 ½ Parcels at Anaheim Street and San Francisco Avenue, Long Beach, California 90813* (File No. 01210161.00).

SCS Engineers, February 10, 2012. *Workplan for Confirmation Sampling on Two Parcels (APNs 7271-012-023 and 7271-007-005) of the Former Long Beach Public Service Yard in Long Beach, California.*

State Water Resources Control Board, GeoTracker website, <http://geotracker.swrcb.ca.gov/>

FIGURES



SOURCE: 7.5 MINUTE TOPOGRAPHIC MAP
UNITED STATES GEOLOGICAL SURVEY
LONG BEACH, CA, PHOTO-REVISED 1981
ORIGINAL MAP DATE: 1973

PROJECT NO:

01210161.01

DRAWN BY:

A. STODDARD

APPROVED BY:

A. HUTCHENS

0 1,000 2,000
Feet
1 in = 2,000 ft

FIGURE

SCS ENGINEERS

3900 KILROY AIRPORT WAY, STE 100
LONG BEACH, CALIFORNIA 90806-6816

SITE:

FORMER LONG BEACH PUBLIC SERVICE YARD
LONG BEACH, CA 90813

TITLE:

SITE LOCATION MAP

1

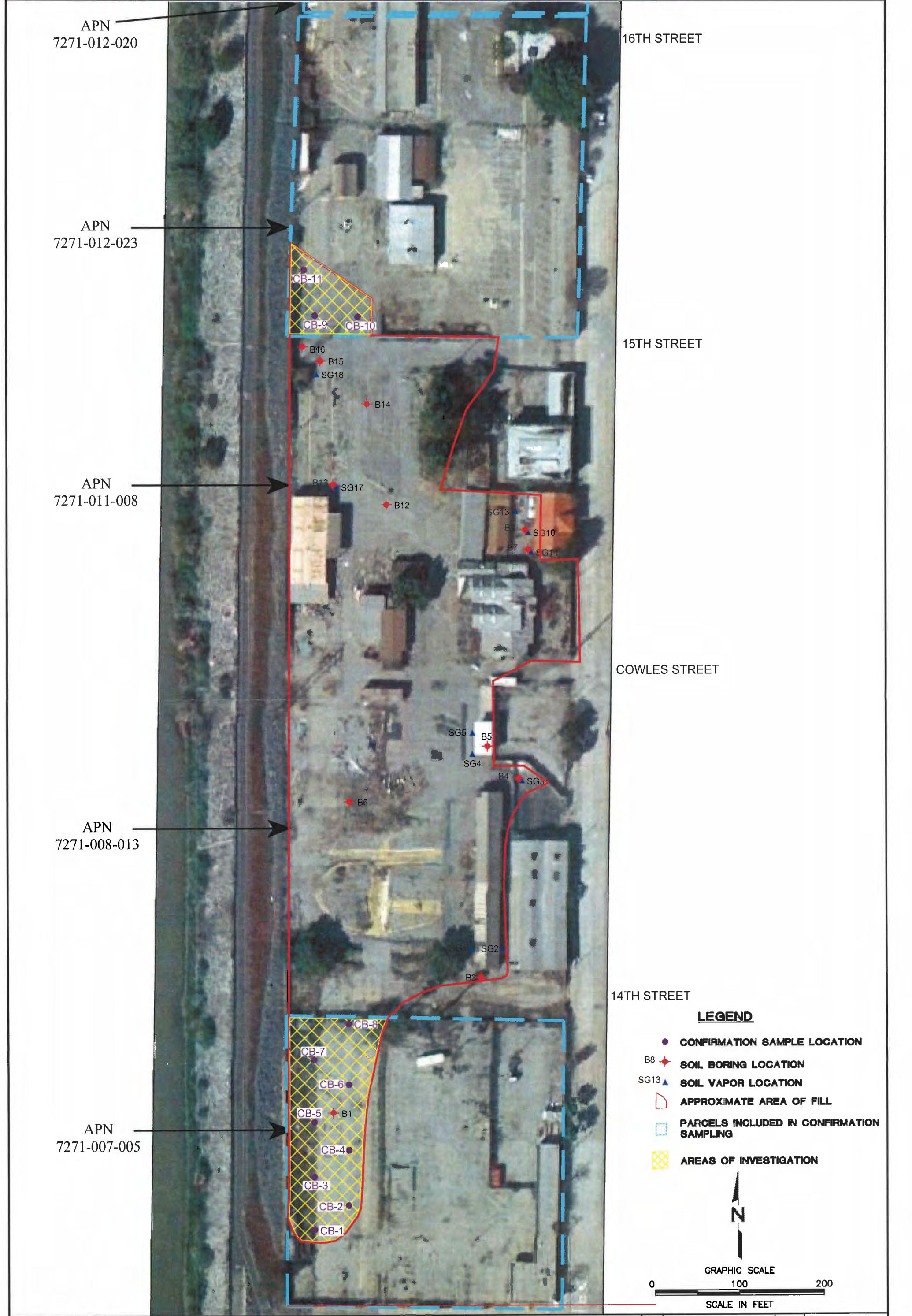


FIGURE 2	SCALE: F=100'	DATE: JANUARY 2012	SCS ENGINEERS ENVIRONMENTAL CONSULTANTS 3800 KILROY AIRPORT WAY, SUITE 100 LONG BEACH, CA 90805 PH. (562) 428-8544 FAX. (562) 427-0805			CLIENT: ALERE PROPERTY GROUP, LLC 100 BAYVIEW CIRCLE, SUITE 190 NEWPORT BEACH, CA 92660	SHEET TITLE: APPROXIMATE AREA OF FILL AND CONFIRMATION SAMPLE LOCATIONS PROJECT TITLE: CONFIRMATION SAMPLING ON TWO PARCELS OF FORMER LONG BEACH PUBLIC SERVICE YARD AT ANAHEIM ST. AND SAN FRANCISCO AVE.	NO.	REVISION	DATE
			PROJ. NO.	DESIGN BY	ADWD FILED					
			01210161.01	R. RAMIREZ	J/HW/2010					
			CHK. BY	APP. BY						
			A. HUTCHENS	A. HUTCHENS	A. HUTCHENS					

TABLES

TABLE 1
SUMMARY OF ANALYTICAL RESULTS FOR METALS
FILL AREA AT LONG BEACH PUBLIC SERVICE YARD
APNs 7271-007-005 AND 7271-012-023

Sample (or Boring) ID	Sample Depth (feet bgs)	Location	Sampling Date	Title 22 Metals (EPA Method 6010B, except Mercury by EPA Method 7471A)																
				Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
				milligrams per kilogram (mg/kg), equivalent to parts per million																
CB-1	1	Southern Parcel (APN 7271-007-005)	2/17/12	<2.0	<1.0	29	<1.0	<1.0	17	9.8	15	3.4	<0.10	<1.0	32	<1.0	<1.0	<1.0	28	29
CB-2	1			<2.0	<1.0	20	<1.0	<1.0	7.7	2.7	3.4	1.1	<0.10	<1.0	6.0	<1.0	<1.0	<1.0	12	37
CB-3	1			<2.0	<1.0	33	<1.0	<1.0	19	12	20	5.7	0.14	<1.0	36	<1.0	<1.0	<1.0	35	36
CB-4	1			<2.0	2.2	38	<1.0	<1.0	9.1	3.8	8.2	20	<0.10	<1.0	14	<1.0	<1.0	<1.0	18	39
CB-5	1			<2.0	3.1	120	<1.0	<1.0	76	6.3	22	380	0.12	<1.0	16	<1.0	<1.0	<1.0	26	140
CB-6	1			<2.0	1.4	25	<1.0	<1.0	18	8.8	11	2.8	<0.10	<1.0	28	<1.0	<1.0	<1.0	25	27
CB-7	1			<2.0	1.6	46	<1.0	<1.0	20	11	18	2.1	<0.10	<1.0	33	<1.0	<1.0	<1.0	28	29
CB-8	1			<2.0	1.6	77	<1.0	<1.0	9.0	5.4	11	7.7	<0.10	<1.0	15	<1.0	<1.0	<1.0	27	66
CB-9	1	Northern Parcel (APN 7271-012-023)		<2.0	3.5	64	<1.0	<1.0	11	3.0	14	12	<0.10	<1.0	8.4	<1.0	<1.0	<1.0	16	59
CB-10	1			<2.0	3.2	99	<1.0	<1.0	11	2.9	13	14	<0.10	<1.0	8.5	<1.0	<1.0	<1.0	14	47
CB-11	1			<2.0	3.1	81	<1.0	<1.0	13	5.5	15	10	<0.10	<1.0	16	<1.0	<1.0	<1.0	27	46
Typical Range for CA Soils*				0.15-1.95	0.6-11	133-1,400	0.25-2.7	0.05-1.7	23-1579	2.7-46.9	9.1-96.4	12.4-97.1	0.1-0.9	0.1-9.6	9-509	0.015-0.430	0.1-8.3	0.17-1.1	39-288	88-236
Health Risk Criteria																				
Residential RSL				31	0.39	15,000	160	70	120,000/0.29±	23	3,100	400	23	390	1,500	390	390	0.78	390	23,000
Industrial RSL				410	1.6	190,000	2,000	800	1,500,000/5.6±	300	41,000	800	310	5,100	20,000	5,100	5,100	10	5,200	310,000
Residential CHHSL				30	0.070	5,200	150	1.7	100,000/17±	660	3,000	80	18	380	1,600	380	380	5.0	530	23,000
Industrial CHHSL				380	0.24*	63,000	1,700	7.5	100,000/37±	3,200	38,000	320	180	4,800	16,000	4,800	4,800	63	6,700	100,000
Waste Disposal Criteria																				
TTL				500	500	10,000	75	100	2,500	8,000	2,500	1,000	20	3,500	2,000	100	500	700	2,400	5,000
STLC**				15	5	100	0.75	1	5	80	25	5	0.2	350	20	1	5	7	24	250
TCLP**				NA	5	100	NA	1	5	NA	NA	5	0.2	NA	NA	1.0	5	NA	NA	NA

Notes:

- 1) bgs = below ground surface
- 2) * Bradford, G.R., Chang, A.C., Page, A.L., Bakhtar, D., Fampton, J.A., and Wright, H., 1996, *Background Concentrations of Trace and Major Elements in California Soils*, Kearney Foundation of Soil Science Special Report, Division of Agriculture and Natural Resources, University of California.
- 3) ** - Values in milligrams per liter (mg/L)
- 4) ± - Value for total chromium (assumes 1:6 ratio of Cr VI:Cr III)
- 5) Residential/Industrial RSL = US EPA Region 9 Regional Screening Levels for Industrial Soils, November 2011 (http://www.epa.gov/reg3hwmd/risk/human/rb-concentration_table/Generic_Tables/pdf/master_sl_table_run_NOV2011.pdf).
- 6) Residential/Industrial CHHSL = California Human Health Screening Level for commercial/industrial land use as published by the California Environmental Protection Agency, June 2005. The CHHSL for lead was revised in September 2009.
- 7) TTL = Total Threshold Limit Concentration as identified in Title 22 of the California Code of Regulations. Wastes with concentrations above this value are considered hazardous for the purposes of disposal under California regulations.
- 8) STLC = Soluble Threshold Limit Concentration, in mg/L, as identified in Title 22 of the California Code of Regulations. A concentration of ten times the STLC is sometimes used as a trigger to conduct further analysis (i.e., the soluble analysis) of a sample to determine disposal requirements. Wastes with soluble concentrations above this value are considered hazardous for the purposes of disposal under California regulations.
- 9) TCLP = Toxicity Characteristic Leaching Procedure concentration, in mg/L, as identified in the Code of Federal Regulations. Wastes with soluble concentrations above this value are considered hazardous for the purposes of disposal under federal regulations.

* = The cleanup goal for arsenic is 12 mg/kg

TABLE 2
SUMMARY OF ANALYTICAL RESULTS FOR METALS WITH STATISTICS FOR LEAD
FILL AREA AT LONG BEACH PUBLIC SERVICE YARD
APNs 7271-007-005 AND 7271-012-023

Sample (or Boring) ID	Sample Depth (feet bgs)	Location	Sampling Date	Title 22 Metals (EPA Method 6010B, except Mercury by EPA Method 7471A)																
				Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
				milligrams per kilogram (mg/kg), equivalent to parts per million																
CB-1	1	Southern Parcel (APN 7271-007-005)	2/17/12	<2.0	<1.0	29	<1.0	<1.0	17	9.8	15	3.4	<0.10	<1.0	32	<1.0	<1.0	<1.0	28	29
CB-2	1			<2.0	<1.0	20	<1.0	<1.0	7.7	2.7	3.4	1.1	<0.10	<1.0	6.0	<1.0	<1.0	<1.0	12	37
CB-3	1			<2.0	<1.0	33	<1.0	<1.0	19	12	20	5.7	0.14	<1.0	36	<1.0	<1.0	<1.0	35	36
CB-4	1			<2.0	2.2	38	<1.0	<1.0	9.1	3.8	8.2	20	<0.10	<1.0	14	<1.0	<1.0	<1.0	18	39
CB-5	1			<2.0	3.1	120	<1.0	<1.0	76	6.3	22	380	0.12	<1.0	16	<1.0	<1.0	<1.0	26	140
CB-6	1			<2.0	1.4	25	<1.0	<1.0	18	8.8	11	2.8	<0.10	<1.0	28	<1.0	<1.0	<1.0	25	27
CB-7	1			<2.0	1.6	46	<1.0	<1.0	20	11	18	2.1	<0.10	<1.0	33	<1.0	<1.0	<1.0	28	29
CB-8	1			<2.0	1.6	77	<1.0	<1.0	9.0	5.4	11	7.7	<0.10	<1.0	15	<1.0	<1.0	<1.0	27	66
CB-9	1	Northern Parcel (APN 7271-012-023)		<2.0	3.5	64	<1.0	<1.0	11	3.0	14	12	<0.10	<1.0	8.4	<1.0	<1.0	<1.0	16	59
CB-10	1			<2.0	3.2	99	<1.0	<1.0	11	2.9	13	14	<0.10	<1.0	8.5	<1.0	<1.0	<1.0	14	47
CB-11	1			<2.0	3.1	81	<1.0	<1.0	13	5.5	15	10	<0.10	<1.0	16	<1.0	<1.0	<1.0	27	46
Typical Range for CA Soils*				0.15-1.95	0.6-11	133-1,400	0.25-2.7	0.05-1.7	23-1579	2.7-46.9	9.1-96.4	12.4-97.1	0.1-0.9	0.1-9.6	9-509	0.015-0.430	0.1-8.3	0.17-1.1	39-288	88-236

Lead Southern Parcel # Samples = 8
Lead Southern Parcel Mean = 52.9
Lead Southern Parcel SD = 132.33
Lead Southern Parcel 95% UCL = 141.5

Lead Both Parcel # Samples = 11
Lead Both Parcels Mean = 41.7
Lead Both Parcels SD = 112.35
Lead Both Parcels 95% UCL = 103.1

APPENDIX A

CITY OF LONG BEACH SOIL BORING PERMIT



CITY OF LONG BEACH

DEPARTMENT OF HEALTH & HUMAN SERVICES

2525 Grand Avenue Long Beach, CA 90815-1765 (562) 570-4134 FAX (562) 570-4038

WELL PERMIT

Permit # 1781

Date: February 2, 2012

All work must be completed in accordance with Water Well Bulletin 74-81 and 74-90

Site Address:

901 W. ANAHEIM ST.
Long Beach, CA

Owner:

ALERE PROPERTY GROUP LLC

Owner Address:

100 BAYVIEW CIRCLE, SUITE 310
NEWPORT BEACH, CA 92660
949-509-5002

Consulting Firm:

SCS ENGINEERS

Consulting Firm Address:

3900 KILROY AIRPORT WAY
LONG BEACH, CA 90806
562-426-9544

Drilling Company:

KEHOE TESTING & ENGINEERING

Drilling Company Address:

5415 INDUSTRIAL DR.
HUNTINGTON BEACH, CA 92649
714-901-7270

Method of Construction/Destruction: Borings are left and will be backfilled with hydrated bentonite

Number of Wells/Borings:

Soil Boring

This permit valid for one year from date above


Hans Tritten, REHS IV
Cross-Connection/Water Program

APPENDIX B

ADVANCED TECHNOLOGY LABORATORY REPORT

February 28, 2012

Ashley Hutchens
SCS Engineers - LB
3900 Kilroy Airport Way, Suite 100
Long Beach, CA 90806-6816
Tel: (562) 426-9544
Fax: (562) 427-0805


ELAP No.: 1838
NELAP No.: 02107CA
CSDLAC No.: 10196
ORELAP No.: CA300003

Re: ATL Work Order Number : 1200602

Client Reference : Former Long Beach Public Service Yard, 01210161.05

Enclosed are the results for sample(s) received on February 17, 2012 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or your Project Manager.

Sincerely,



Eddie Rodriguez
Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and its absence renders the report invalid. The report cannot be reproduced without written permission from the client and Advanced Technology Laboratories.



SCS Engineers - LB

3900 Kilroy Airport Way, Suite 100

Long Beach , CA 90806-6816

Project Number : Former Long Beach Public Service Yard, (

Report To : Ashley Hutchens

Reported : 02/28/2012

SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
CB-1	1200602-01	Soil	2/17/12 7:50	2/17/12 10:32
CB-2	1200602-02	Soil	2/17/12 7:51	2/17/12 10:32
CB-3	1200602-03	Soil	2/17/12 8:02	2/17/12 10:32
CB-4	1200602-04	Soil	2/17/12 8:15	2/17/12 10:32
CB-5	1200602-05	Soil	2/17/12 8:21	2/17/12 10:32
CB-6	1200602-06	Soil	2/17/12 8:26	2/17/12 10:32
CB-7	1200602-07	Soil	2/17/12 8:32	2/17/12 10:32
CB-8	1200602-08	Soil	2/17/12 8:37	2/17/12 10:32
CB-9	1200602-09	Soil	2/17/12 8:54	2/17/12 10:32
CB-10	1200602-10	Soil	2/17/12 8:58	2/17/12 10:32
CB-11	1200602-11	Soil	2/17/12 9:04	2/17/12 10:32



SCS Engineers - LB

3900 Kilroy Airport Way, Suite 100

Long Beach , CA 90806-6816

Project Number : Former Long Beach Public Service Yard, (

Report To : Ashley Hutchens

Reported : 02/28/2012

Client Sample ID CB-1

Lab ID: 1200602-01

Total Metals by ICP-AES EPA 6010B

Analyst: KK

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	NA	1	B2B0661	02/23/2012	02/24/12 14:34	
Arsenic	ND	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:34	
Barium	29	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:34	
Beryllium	ND	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:34	
Cadmium	ND	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:34	
Chromium	17	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:34	
Cobalt	9.8	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:34	
Copper	15	2.0	NA	1	B2B0661	02/23/2012	02/24/12 14:34	
Lead	3.4	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:34	
Molybdenum	ND	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:34	
Nickel	32	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:34	
Selenium	ND	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:34	
Silver	ND	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:34	
Thallium	ND	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:34	
Vanadium	28	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:34	
Zinc	29	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:34	

Mercury by AA (Cold Vapor) EPA 7471

Analyst: VV

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Mercury	ND	0.10	NA	1	B2B0682	02/24/2012	02/24/12 15:44	



SCS Engineers - LB

3900 Kilroy Airport Way, Suite 100

Long Beach , CA 90806-6816

Project Number : Former Long Beach Public Service Yard, (

Report To : Ashley Hutchens

Reported : 02/28/2012

Client Sample ID CB-2

Lab ID: 1200602-02

Total Metals by ICP-AES EPA 6010B

Analyst: KK

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	NA	1	B2B0661	02/23/2012	02/24/12 14:35	
Arsenic	ND	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:35	
Barium	20	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:35	
Beryllium	ND	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:35	
Cadmium	ND	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:35	
Chromium	7.7	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:35	
Cobalt	2.7	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:35	
Copper	3.4	2.0	NA	1	B2B0661	02/23/2012	02/24/12 14:35	
Lead	1.1	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:35	
Molybdenum	ND	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:35	
Nickel	6.0	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:35	
Selenium	ND	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:35	
Silver	ND	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:35	
Thallium	ND	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:35	
Vanadium	12	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:35	
Zinc	37	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:35	

Mercury by AA (Cold Vapor) EPA 7471

Analyst: VV

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Mercury	ND	0.10	NA	1	B2B0682	02/24/2012	02/24/12 15:46	



SCS Engineers - LB

3900 Kilroy Airport Way, Suite 100

Long Beach, CA 90806-6816

Project Number : Former Long Beach Public Service Yard, (

Report To : Ashley Hutchens

Reported : 02/28/2012

Client Sample ID CB-3

Lab ID: 1200602-03

Total Metals by ICP-AES EPA 6010B

Analyst: KK

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	NA	1	B2B0661	02/23/2012	02/24/12 14:37	
Arsenic	ND	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:37	
Barium	33	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:37	
Beryllium	ND	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:37	
Cadmium	ND	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:37	
Chromium	19	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:37	
Cobalt	12	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:37	
Copper	20	2.0	NA	1	B2B0661	02/23/2012	02/24/12 14:37	
Lead	5.7	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:37	
Molybdenum	ND	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:37	
Nickel	36	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:37	
Selenium	ND	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:37	
Silver	ND	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:37	
Thallium	ND	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:37	
Vanadium	35	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:37	
Zinc	36	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:37	

Mercury by AA (Cold Vapor) EPA 7471

Analyst: VV

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Mercury	0.14	0.10	NA	1	B2B0682	02/24/2012	02/24/12 15:48	



SCS Engineers - LB

3900 Kilroy Airport Way, Suite 100

Long Beach , CA 90806-6816

Project Number : Former Long Beach Public Service Yard, (

Report To : Ashley Hutchens

Reported : 02/28/2012

Client Sample ID CB-4

Lab ID: 1200602-04

Total Metals by ICP-AES EPA 6010B

Analyst: KK

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	NA	1	B2B0661	02/23/2012	02/24/12 14:39	
Arsenic	2.2	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:39	
Barium	38	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:39	
Beryllium	ND	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:39	
Cadmium	ND	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:39	
Chromium	9.1	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:39	
Cobalt	3.8	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:39	
Copper	8.2	2.0	NA	1	B2B0661	02/23/2012	02/24/12 14:39	
Lead	20	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:39	
Molybdenum	ND	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:39	
Nickel	14	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:39	
Selenium	ND	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:39	
Silver	ND	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:39	
Thallium	ND	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:39	
Vanadium	18	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:39	
Zinc	39	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:39	

Mercury by AA (Cold Vapor) EPA 7471

Analyst: VV

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Mercury	ND	0.10	NA	1	B2B0682	02/24/2012	02/24/12 15:50	



SCS Engineers - LB

3900 Kilroy Airport Way, Suite 100

Long Beach , CA 90806-6816

Project Number : Former Long Beach Public Service Yard, (

Report To : Ashley Hutchens

Reported : 02/28/2012

Client Sample ID CB-5

Lab ID: 1200602-05

Total Metals by ICP-AES EPA 6010B

Analyst: KK

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	NA	1	B2B0661	02/23/2012	02/24/12 14:41	
Arsenic	3.1	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:41	
Barium	120	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:41	
Beryllium	ND	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:41	
Cadmium	ND	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:41	
Chromium	76	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:41	
Cobalt	6.3	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:41	
Copper	22	2.0	NA	1	B2B0661	02/23/2012	02/24/12 14:41	
Lead	380	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:41	
Molybdenum	ND	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:41	
Nickel	16	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:41	
Selenium	ND	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:41	
Silver	ND	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:41	
Thallium	ND	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:41	
Vanadium	26	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:41	
Zinc	140	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:41	

Mercury by AA (Cold Vapor) EPA 7471

Analyst: VV

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Mercury	0.12	0.10	NA	1	B2B0682	02/24/2012	02/24/12 15:52	



SCS Engineers - LB

3900 Kilroy Airport Way, Suite 100

Long Beach , CA 90806-6816

Project Number : Former Long Beach Public Service Yard, (

Report To : Ashley Hutchens

Reported : 02/28/2012

Client Sample ID CB-6

Lab ID: 1200602-06

Total Metals by ICP-AES EPA 6010B

Analyst: KK

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	NA	1	B2B0661	02/23/2012	02/24/12 14:42	
Arsenic	1.4	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:42	
Barium	25	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:42	
Beryllium	ND	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:42	
Cadmium	ND	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:42	
Chromium	18	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:42	
Cobalt	8.8	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:42	
Copper	11	2.0	NA	1	B2B0661	02/23/2012	02/24/12 14:42	
Lead	2.8	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:42	
Molybdenum	ND	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:42	
Nickel	28	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:42	
Selenium	ND	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:42	
Silver	ND	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:42	
Thallium	ND	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:42	
Vanadium	25	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:42	
Zinc	27	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:42	

Mercury by AA (Cold Vapor) EPA 7471

Analyst: VV

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Mercury	ND	0.10	NA	1	B2B0682	02/24/2012	02/24/12 15:54	



SCS Engineers - LB

3900 Kilroy Airport Way, Suite 100

Long Beach , CA 90806-6816

Project Number : Former Long Beach Public Service Yard, (

Report To : Ashley Hutchens

Reported : 02/28/2012

Client Sample ID CB-7

Lab ID: 1200602-07

Total Metals by ICP-AES EPA 6010B

Analyst: KK

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	NA	1	B2B0661	02/23/2012	02/24/12 14:44	
Arsenic	1.6	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:44	
Barium	46	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:44	
Beryllium	ND	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:44	
Cadmium	ND	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:44	
Chromium	20	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:44	
Cobalt	11	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:44	
Copper	18	2.0	NA	1	B2B0661	02/23/2012	02/24/12 14:44	
Lead	2.1	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:44	
Molybdenum	ND	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:44	
Nickel	33	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:44	
Selenium	ND	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:44	
Silver	ND	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:44	
Thallium	ND	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:44	
Vanadium	28	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:44	
Zinc	29	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:44	

Mercury by AA (Cold Vapor) EPA 7471

Analyst: VV

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Mercury	ND	0.10	NA	1	B2B0682	02/24/2012	02/24/12 16:44	



SCS Engineers - LB

3900 Kilroy Airport Way, Suite 100

Long Beach , CA 90806-6816

Project Number : Former Long Beach Public Service Yard, (

Report To : Ashley Hutchens

Reported : 02/28/2012

Client Sample ID CB-8

Lab ID: 1200602-08

Total Metals by ICP-AES EPA 6010B

Analyst: KK

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	NA	1	B2B0661	02/23/2012	02/24/12 14:49	
Arsenic	1.6	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:49	
Barium	77	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:49	
Beryllium	ND	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:49	
Cadmium	ND	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:49	
Chromium	9.0	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:49	
Cobalt	5.4	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:49	
Copper	11	2.0	NA	1	B2B0661	02/23/2012	02/24/12 14:49	
Lead	7.7	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:49	
Molybdenum	ND	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:49	
Nickel	15	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:49	
Selenium	ND	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:49	
Silver	ND	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:49	
Thallium	ND	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:49	
Vanadium	27	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:49	
Zinc	66	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:49	

Mercury by AA (Cold Vapor) EPA 7471

Analyst: VV

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Mercury	ND	0.10	NA	1	B2B0682	02/24/2012	02/24/12 16:54	



SCS Engineers - LB

3900 Kilroy Airport Way, Suite 100

Long Beach , CA 90806-6816

Project Number : Former Long Beach Public Service Yard, (

Report To : Ashley Hutchens

Reported : 02/28/2012

Client Sample ID CB-9

Lab ID: 1200602-09

Total Metals by ICP-AES EPA 6010B

Analyst: KK

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	NA	1	B2B0661	02/23/2012	02/24/12 14:51	
Arsenic	3.5	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:51	
Barium	64	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:51	
Beryllium	ND	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:51	
Cadmium	ND	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:51	
Chromium	11	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:51	
Cobalt	3.0	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:51	
Copper	14	2.0	NA	1	B2B0661	02/23/2012	02/24/12 14:51	
Lead	12	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:51	
Molybdenum	ND	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:51	
Nickel	8.4	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:51	
Selenium	ND	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:51	
Silver	ND	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:51	
Thallium	ND	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:51	
Vanadium	16	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:51	
Zinc	59	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:51	

Mercury by AA (Cold Vapor) EPA 7471

Analyst: VV

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Mercury	ND	0.10	NA	1	B2B0682	02/24/2012	02/24/12 16:56	



SCS Engineers - LB

3900 Kilroy Airport Way, Suite 100

Long Beach , CA 90806-6816

Project Number : Former Long Beach Public Service Yard, (

Report To : Ashley Hutchens

Reported : 02/28/2012

Client Sample ID CB-10

Lab ID: 1200602-10

Total Metals by ICP-AES EPA 6010B

Analyst: KK

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	NA	1	B2B0661	02/23/2012	02/24/12 14:53	
Arsenic	3.2	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:53	
Barium	99	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:53	
Beryllium	ND	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:53	
Cadmium	ND	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:53	
Chromium	11	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:53	
Cobalt	2.9	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:53	
Copper	13	2.0	NA	1	B2B0661	02/23/2012	02/24/12 14:53	
Lead	14	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:53	
Molybdenum	ND	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:53	
Nickel	8.5	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:53	
Selenium	ND	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:53	
Silver	ND	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:53	
Thallium	ND	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:53	
Vanadium	14	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:53	
Zinc	47	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:53	

Mercury by AA (Cold Vapor) EPA 7471

Analyst: VV

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Mercury	ND	0.10	NA	1	B2B0682	02/24/2012	02/24/12 16:58	



SCS Engineers - LB

3900 Kilroy Airport Way, Suite 100

Long Beach , CA 90806-6816

Project Number : Former Long Beach Public Service Yard, (

Report To : Ashley Hutchens

Reported : 02/28/2012

Client Sample ID CB-11

Lab ID: 1200602-11

Total Metals by ICP-AES EPA 6010B

Analyst: KK

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	NA	1	B2B0661	02/23/2012	02/24/12 14:54	
Arsenic	3.1	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:54	
Barium	81	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:54	
Beryllium	ND	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:54	
Cadmium	ND	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:54	
Chromium	13	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:54	
Cobalt	5.5	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:54	
Copper	15	2.0	NA	1	B2B0661	02/23/2012	02/24/12 14:54	
Lead	10	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:54	
Molybdenum	ND	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:54	
Nickel	16	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:54	
Selenium	ND	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:54	
Silver	ND	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:54	
Thallium	ND	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:54	
Vanadium	27	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:54	
Zinc	46	1.0	NA	1	B2B0661	02/23/2012	02/24/12 14:54	

Mercury by AA (Cold Vapor) EPA 7471

Analyst: VV

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Mercury	ND	0.10	NA	1	B2B0682	02/24/2012	02/24/12 17:00	



SCS Engineers - LB

3900 Kilroy Airport Way, Suite 100

Long Beach, CA 90806-6816

Project Number : Former Long Beach Public Service Yard, (

Report To : Ashley Hutchens

Reported : 02/28/2012

QUALITY CONTROL SECTION

Total Metals by ICP-AES EPA 6010B - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B2B0661 - EPA 3050B

Blank (B2B0661-BLK1)

Prepared: 2/23/2012 Analyzed: 2/24/2012

Antimony	ND	2.0			NR
Arsenic	ND	1.0			NR
Barium	ND	1.0			NR
Beryllium	ND	1.0			NR
Cadmium	ND	1.0			NR
Chromium	ND	1.0			NR
Cobalt	ND	1.0			NR
Copper	ND	2.0			NR
Lead	ND	1.0			NR
Molybdenum	ND	1.0			NR
Nickel	ND	1.0			NR
Selenium	ND	1.0			NR
Silver	ND	1.0			NR
Thallium	ND	1.0			NR
Vanadium	ND	1.0			NR
Zinc	ND	1.0			NR

LCS (B2B0661-BS1)

Prepared: 2/23/2012 Analyzed: 2/24/2012

Antimony	43	2.0	50.0	86.1	80 - 120
Arsenic	42	1.0	50.0	84.1	80 - 120
Barium	44	1.0	50.0	87.9	80 - 120
Beryllium	44	1.0	50.0	88.8	80 - 120
Cadmium	44	1.0	50.0	87.1	80 - 120
Chromium	44	1.0	50.0	88.1	80 - 120
Cobalt	43	1.0	50.0	86.8	80 - 120
Copper	45	2.0	50.0	90.1	80 - 120
Lead	44	1.0	50.0	87.6	80 - 120
Molybdenum	47	1.0	50.0	94.4	80 - 120
Nickel	44	1.0	50.0	88.1	80 - 120
Selenium	41	1.0	50.0	82.5	80 - 120
Silver	43	1.0	50.0	86.6	80 - 120
Thallium	43	1.0	50.0	86.1	80 - 120
Vanadium	45	1.0	50.0	89.6	80 - 120
Zinc	43	1.0	50.0	86.7	80 - 120

Matrix Spike (B2B0661-MS1)

Source: 1200616-02

Prepared: 2/23/2012 Analyzed: 2/24/2012

Antimony	63	2.0	125	ND	50.5	44 - 105
Arsenic	90	1.0	125	3.9	68.5	57 - 103
Barium	160	1.0	125	160	2.92	36 - 134
Beryllium	93	1.0	125	0.26	73.8	64 - 106

M1



SCS Engineers - LB

3900 Kilroy Airport Way, Suite 100

Long Beach , CA 90806-6816

Project Number : Former Long Beach Public Service Yard, (

Report To : Ashley Hutchens

Reported : 02/28/2012

Total Metals by ICP-AES EPA 6010B - Quality Control (cont'd)

Analyte	Result (mg/kg)	PQL (mg/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B2B0661 - EPA 3050B (continued)

Matrix Spike (B2B0661-MS1) - Continued

Source: 1200616-02

Prepared: 2/23/2012 Analyzed: 2/24/2012

Cadmium	85	1.0	125	0.13	68.1	58 - 102			
Chromium	120	1.0	125	33	70.6	55 - 105			
Cobalt	100	1.0	125	12	70.9	59 - 105			
Copper	120	2.0	125	16	79.7	64 - 117			
Lead	91	1.0	125	3.7	69.5	46 - 116			
Molybdenum	85	1.0	125	ND	67.9	59 - 108			
Nickel	130	1.0	125	47	70.1	52 - 109			
Selenium	85	1.0	125	ND	67.7	56 - 100			
Silver	95	1.0	125	ND	75.7	65 - 107			
Thallium	83	1.0	125	ND	66.3	47 - 100			
Vanadium	140	1.0	125	39	76.9	64 - 110			
Zinc	120	1.0	125	37	69.3	37 - 123			

Matrix Spike Dup (B2B0661-MSD1)

Source: 1200616-02

Prepared: 2/23/2012 Analyzed: 2/24/2012

Antimony	60	2.0	125	ND	48.0	44 - 105	5.05	20	
Arsenic	87	1.0	125	3.9	66.2	57 - 103	3.29	20	
Barium	250	1.0	125	160	78.6	36 - 134	45.7	20	R
Beryllium	89	1.0	125	0.26	70.7	64 - 106	4.35	20	
Cadmium	82	1.0	125	0.13	65.8	58 - 102	3.55	20	
Chromium	120	1.0	125	33	71.5	55 - 105	0.945	20	
Cobalt	92	1.0	125	12	63.9	59 - 105	9.08	20	
Copper	110	2.0	125	16	75.4	64 - 117	4.77	20	
Lead	87	1.0	125	3.7	66.5	46 - 116	4.31	20	
Molybdenum	82	1.0	125	ND	65.8	59 - 108	3.18	20	
Nickel	130	1.0	125	47	67.1	52 - 109	2.80	20	
Selenium	83	1.0	125	ND	66.7	56 - 100	1.49	20	
Silver	91	1.0	125	ND	72.6	65 - 107	4.20	20	
Thallium	80	1.0	125	ND	64.2	47 - 100	3.16	20	
Vanadium	130	1.0	125	39	73.2	64 - 110	3.43	20	
Zinc	120	1.0	125	37	65.3	37 - 123	4.06	20	



SCS Engineers - LB

3900 Kilroy Airport Way, Suite 100

Long Beach, CA 90806-6816

Project Number : Former Long Beach Public Service Yard, (

Report To : Ashley Hutchens

Reported : 02/28/2012

Mercury by AA (Cold Vapor) EPA 7471 - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B2B0682 - EPA 7471

Blank (B2B0682-BLK1)

Prepared: 2/24/2012 Analyzed: 2/24/2012

Mercury ND 0.10 NR

LCS (B2B0682-BS1)

Prepared: 2/24/2012 Analyzed: 2/24/2012

Mercury 0.90 0.10 0.833 108 80 - 120

Matrix Spike (B2B0682-MS1)

Source: 1200602-01

Prepared: 2/24/2012 Analyzed: 2/24/2012

Mercury 1.0 0.10 0.833 0.08 115 70 - 130

Matrix Spike Dup (B2B0682-MSD1)

Source: 1200602-01

Prepared: 2/24/2012 Analyzed: 2/24/2012

Mercury 1.0 0.10 0.833 0.08 115 70 - 130 0.317 20



SCS Engineers - LB

3900 Kilroy Airport Way, Suite 100

Long Beach , CA 90806-6816

Project Number : Former Long Beach Public Service Yard, (

Report To : Ashley Hutchens

Reported : 02/28/2012

Notes and Definitions

R	RPD value outside acceptance criteria. Calculation is based on raw values.
M1	Matrix spike recovery outside of acceptance limit. The analytical batch was validated by the laboratory control sample.
ND	Analyte not detected at or above reporting limit
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
NR	Not Reported
RPD	Relative Percent Difference
CA1	CA-NELAP (CDPH)
CA2	CA-ELAP (CDPH)
OR1	OR-NELAP (OSPHL)
TX1	TX-NELAP (TCEQ)

SCS ENGINEERS						TOTAL NUMBER OF SAMPLES:	ANALYSES REQUESTED								LAB USE ONLY				
3900 Kilroy Airport Way, Suite 100 Long Beach, California 90806-6816 Phone 562 426-9544 Fax 562 427-0805						PAGE OF													
						TURNAROUND TIME REQUIRED: ☒ Std. ☐ 3-Day ☐ 24-Hr. ☐ Other _____													
PROJECT NUMBER: 01210161.05						PROJECT MANAGER: A. Hutchens													
PROJECT NAME: Former Long Beach Public Service Yard						W.O./S.O.#:													
PROJECT LOCATION: Anaheim & San Francisco St.																			
SAMPLER NAME AND SIGNATURE: A. Hutchens Ashley Hutchens																			
I.D. NUMBER	SAMPLE DESIGNATION	SAMPLE MATRIX	DATE/TIME COLLECTED	CONTAINER SIZE/TYPE	SAMPLE PRESERVATIVE	SPECIAL INSTRUCTIONS/COMMENTS													
1/200607-01	CB-1	Soil	2/17/12 750	acetate			X												
2	CB-2		751				X												
3	CB-3		802				X												
4	CB-4		815				X												
5	CB-5		821				X												
6	CB-6		826				X												
7	CB-7		832				X												
8	CB-8		837				X												
9	CB-9		854				X												
10	CB-10		858				X												
11	CB-11		904				X												
NOTES:							SAMPLE CONDITION UPON RECEIPT: §.2 B. 1U												
RELINQUISHED BY: Ashley Hutchens		DATE: 2/17/12		ACCEPTED BY: [Signature]		DATE: 2/17/12		RELINQUISHED BY:		DATE:		ACCEPTED BY:		DATE:					
COMPANY: SCS Engineers		TIME: 1030		COMPANY: HPL		TIME: 1030		COMPANY:		TIME:		COMPANY:		TIME:					

SCS ENGINEERS

July 18, 2012

Project No. 01210161.07

Via Email (cneuhoff@alerellc.com) and US Mail

Mr. Clark Neuhoff
Alere Property Group, LLC
100 Bayview Circle, Suite 310
Newport Beach, CA 92660
(949) 509-5002

Subject: Summary Report Related to a Geophysical Survey at 949 West Anaheim Street and “Suspect” Wells at 1601 San Francisco Avenue, Long Beach, California

Dear Mr. Neuhoff:

This letter serves as SCS Engineers' (SCS) summary of activities related to a geophysical survey and “suspect” groundwater wells at 949 West Anaheim Street and 1601 San Francisco Avenue (respectively) in Long Beach, California (the “Property”).

BACKGROUND

The Phase I Environmental Assessment (Phase I) conducted by SCS for the Property (File No. 01210161.00 dated November 5, 2010) identified the possibility of a historical gas station (based on city directory listings) at 949 West Anaheim Street in 1931 and 1935; this gas station was not identified in 1929 or in the 1940s. Although this address was not a confirmed historical address on the Property, and there was no other evidence indicating its presence (building permits, aerial photos, etc.), this suspected historic service station was identified as a Recognized Environmental Condition. Based on the potential for contamination, a Phase II Investigation was conducted and findings summarized in SCS's Phase II Investigation Report (01210161.01 dated December 1, 2010). No evidence of contamination or historical service station operations was found during this investigation.

Wells Fargo's (the lender for the Property) environmental consultant, AEI Consultants (AEI) reviewed the work previously conducted by SCS and recommended a geophysical survey using ground penetrating radar (GPR) and magnetometer to further investigate the potential for underground storage tanks (USTs) on the Property. In addition, AEI proposed to conduct a camera survey and, as necessary, sample two suspect groundwater monitoring wells. In April 2012, SCS investigated these “suspect wells” and found they were not wells at all. The work summarized in this report is based on AEI's proposal dated June 21, 2012, and our discussions.



INVESTIGATION ACTIVITIES

Geophysical Survey

On July 3, 2012, under oversight of SCS, a geophysical survey was conducted by SubSurface Surveys & Associates, Inc. (SSS) on the southern portion of the Property in an area approximately 70 feet wide by 280 feet long using the following equipment:

- Electromagnetic (EM) Instruments: Geonic EM-61 and a Fischer TW-6 M-Scope
- Ground Penetrating Radar (GPR): Sensors and Software Noggin with a 500 MHz antenna
- Line Locators: Metrotech 9800 series and either a Ridgid Navitrack II or a Ridgid SR-60
- Magnetics: Schonstedt GA-52.

The geophysical survey (summarized in the enclosed SSS report, Attachment A) did not indicate the presence of any USTs. Several electromagnetic induction responses were encountered and were found to be the result of cutoff bollards, metal plates, perimeter fencing, reinforced concrete and junk rail/piping.

In addition, several GPR anomalies (identified as Anomalies #1 through #4) were identified. Anomaly #1 is the location of a recent geotechnical investigation trench that was recently patched with asphalt. The other anomalies were disturbed soil areas, however it was determined that none were likely to be the result of a previous UST excavation. Please refer to Attachment A for further details.

Investigation of "Suspect" Groundwater Wells

On April 19, 2012, SCS conducted an investigation of two suspect wells identified at 1601 San Francisco Avenue. Inspection of the two wells identified the following information:

- Building #20 "Well" – 6-inch diameter steel casing. Hard bottom at 4.6 feet below surface. One inch of water with trash at the bottom, no well screen, no cap, no valves.
- Building #14 "Well" – 6-inch diameter steel casing. Hard bottom at 5.2 feet below surface. Dry bottom, no well screen, no cap, no valves. A small (about 1 inch) diameter hole was noted about 3 feet below surface in the side of the steel casing.

The purpose/use of these steel pipes is unknown; however it is evident that these are not groundwater wells. Further, none of the previous environmental investigations on the property appear to have included groundwater wells at these locations. The traffic-rated steel covers over these steel pipes that are labeled "monitoring wells" appear to have been only used for convenience by city service yard employees. The well covers may have been used for an unidentified subsurface utility or perhaps as a training exercise for public service workers.

SUMMARY AND CONCLUSIONS

In November 2010 SCS conducted an investigation of the area of the suspected historic gas station, summarized in the Phase II Investigation Report, dated December 1, 2010, which found

no evidence of contamination or historical service station operations. In addition, no evidence of USTs was found during the geophysical survey conducted on July 3, 2012. In summary, city directories indicated a gas station may have been located on the Property, although unconfirmed by any other supporting data. Nonetheless, the historical gas station was only present for a period of 5 to 10 years and the area where it was potentially located was investigated in November 2010 and no evidence of contamination was identified. In addition, the results of the geophysical survey for this report did not identify any existing USTs or likely UST excavations. Based on this information, it is SCS's opinion that further investigation regarding the historical gas station is not warranted.

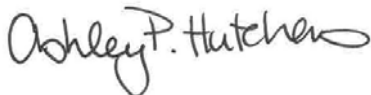
In addition, the two steel pipes located at 1601 San Francisco Avenue were investigated and found not to be groundwater monitoring wells. Although the purpose of the steel pipes is unknown, it is SCS's opinion that further investigation of these features is not warranted.

DISCLAIMER

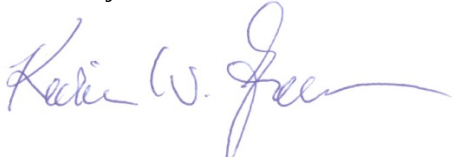
This report has been prepared for Alere Property Group, LLC with specific application to a geophysical survey and investigation of "suspect" wells at the former Long Beach Public Service Yard in Long Beach, California. This report has been prepared in accordance with the care and skill generally exercised by reputable professionals, under similar circumstances, in this or similar localities. No other warranty, express or implied, is made as to the professional opinions presented herein. No other party, known or unknown to SCS, is intended as a beneficiary of this work product, its content or information embedded therein. Third parties use this document at their own risk.

Please call either of the undersigned at (562) 426-9544 if you have any questions.

Sincerely,



Ashley P. Hutchens
Senior Project Scientist



Kevin W. Green, PG
Project Director

SCS ENGINEERS

Enclosure: Attachment A - SubSurface Surveys Report

ATTACHMENT A
SUBSURFACE SURVEYS & ASSOCIATES, INC. REPORT



July 12, 2012

SCS Engineers

3900 Kilroy Airport Way
Suite 100
Long Beach, California 90806

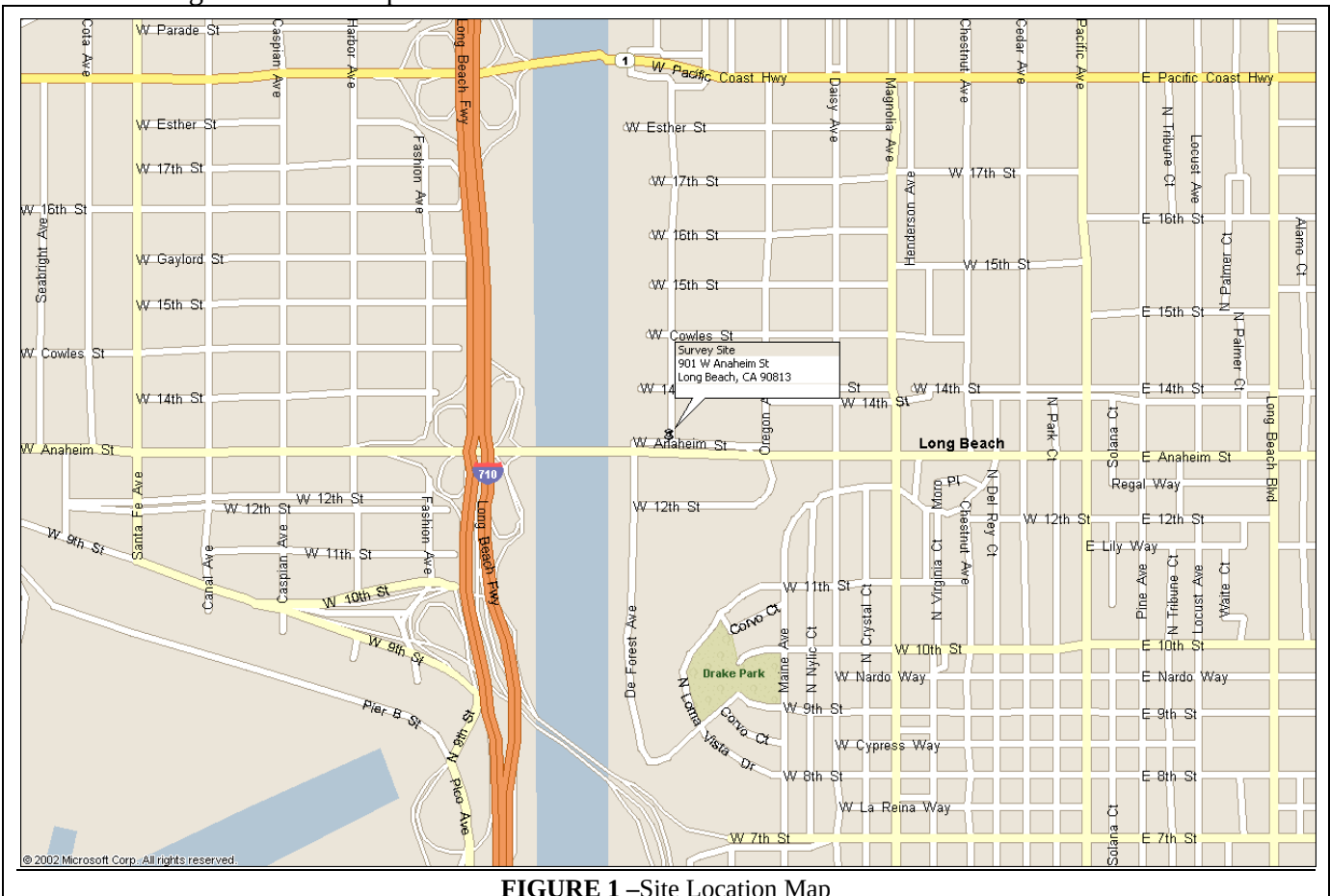
Project Number: 12-256

Attn: **Ashley Hutchens**

Re: Geophysical Survey, UST/Excavation Survey, 901 West Anaheim Street, Long Beach, California.

This report is to present the results of our geophysical survey carried out over portions of property located at 901 West Anaheim Street in Long Beach, California (Figure 1), on July 3rd, 2012. Purpose of the survey was to locate and identify, insofar as possible, the existence of any underground storage tanks (USTs), backfilled excavations, piping, conduit, and other buried features that may exist within the survey boundaries for guidance in future drilling activities.

A combination of electromagnetic induction (EM) and ground penetrating radar (GPR) were applied to the search. A utility locator with line tracing capabilities was also brought to the field and used where risers exist onto which a signal could be impressed and traced.



Survey Design – The area to be surveyed was indicated in the field by the client, which included an area in the southern portion of the property measuring approximately 70 feet wide and 280 feet long. The magnetic gradiometer, line tracer, EM61, M-Scope and GPR were systematically free traversed in many directions within the survey boundaries. Additional traverses were taken, access permitting, for detailing and confirmation where anomalous conditions were found. Multiple GPR profiles were also collected throughout the area and in specific areas for confirmation where other instruments detected anomalies. The line tracer was also used to trace out all detectable utilities in the area.

The line tracers were used to impress signals onto pipes, generally through accessible risers and tracer wires when present, to delineate the lines' locations and orientations. The instruments were also used in passive mode, configured to detect 60 Hz electrical signals and other common radio-frequency signals.

A rectilinear grid that measured approximately 65' by 280' was established over the survey area to guide data acquisition. The EM61 was then used to collect EM data at 0.66 foot intervals along east-west trending grid lines spaced 5-feet apart. This data was then downloaded in the field along with the office for further analysis and detailing where anomalous conditions were encountered.

A Geonic's model EM61 and a Fischer M-Scope was used for the EM sampling. A Sensors and Software Noggin Ground Penetrating Radar unit with a 500 MHz antenna produced the radar images. The magnetic gradiometer was a Schonstedt GA-52, and a Metrotech 9890 and RIDGID SR-60 SeekTech utility locator rounded out the tools applied.

Brief Description of the Geophysical Methods Applied - The EM61 instrument is a high resolution, time-domain device for detecting buried conductive objects. It consists of a powerful transmitter that generates a pulsed primary magnetic field when its coils are energized, which induces eddy currents in nearby conductive objects. The decay of the eddy currents, following the input pulse, is measured by the coils, which in turn serve as receiver coils. The decay rate is measured for two coils, mounted concentrically, one above the other. By making the measurements at a relatively long time interval (measured in milliseconds) after termination of the primary pulse, the response is nearly independent of the electrical conductivity of the ground. Thus, the instrument is a super-sensitive metal detector. Due to its unique coil arrangement, the response curve is a single well-defined positive peak directly over a buried conductive object. This facilitates quick and accurate location of targets.

The GPR instrument beams energy into the ground from its transducer/antenna, in the form of electromagnetic waves. A portion of this energy is reflected back to the antenna at a boundary in the subsurface across which there is an electrical contrast. The instrument produces a continuous record of the reflected energy as the antenna is traversed across the ground surface. The greater the electrical contrast, the higher the amplitude of the returned energy. The radar wave travels at a velocity unique to the material properties of the ground being investigated, and when these velocities are known, the two-way travel times can be converted to depth. The depth of penetration and image resolution produced are a function of ground electrical conductivity and dielectric constant.

The magnetic gradiometer has two flux gate magnetic fixed sensors that are passed closely to and over the ground. When not in close proximity to a magnetic object, that is, only in the earth's field, the instrument emits a sound signal at a low frequency. When the instrument passes over a buried iron or steel object, so that locally there is a high magnetic gradient, the frequency of the emitted sound increases. The frequency is a function of the gradient between the two sensors.

The M-Scope device energizes the ground by producing an alternating primary magnetic field with AC current

in a transmitting coil. If conducting materials are within the area of influence of the primary field, AC eddy currents are induced to flow in the conductors. A receiving coil senses the secondary magnetic field produced by these eddy currents, and outputs the response as anomalous conditions. The strength of the secondary field is a function of the conductivity of the object, say a pipe, tank or cluster of drums, its size, and its depth and position relative to the instrument's two coils. Conductive objects, to a depth of approximately 7 feet below ground surface (bgs) for the M-Scope are sensed. The device is also somewhat focused; that is, it is more sensitive to conductors below the instrument than they are to conductors off to the side.

The line locator is used to passively detect energized high voltage electric lines and electrical conduit (50-60 Hz), VLF signals (14-22 kHz), as well as to actively trace other utilities. Where risers are present, the utility locator transmitter can be connected directly to the object, and a signal (9.8-82 kHz) is sent traveling along the conductor, pipe, conduit, etc. In the absence of a riser, the transmitter can be used to impress an input signal on the utility by induction. In either case, the receiver unit is tuned to the input signal, and is used to actively trace the signal along the pipe's surface projection.

Interpretation and Conclusions - The interpretation took place in real time as the survey progressed, and accordingly, the findings of our investigation were marked on the ground cover with spray marking paint and further documented with a Site Interpretation Map (Figure 2), photographs of the surveyed area (Figures 3-15), along with radar images of each anomaly (Figures 16-19).

There were no USTs detected within the survey area specified by the client. The gridded EM61 data in Figure 2 shows multiple high EM responses. All of these areas were further detailed with the geophysical instruments and it was determined that the high EM responses were the result of cutoff bollards, metal plates, perimeter fencing, reinforced concrete and junk rail/piping.

GPR was useful at detecting both metallic and non-metallic lines and utilities. According to principles of physics, radar penetration is a function of soil conductivity and dielectric constant. At this site, local conditions were favorable for radar penetration due to the nature of the soil and materials covering the survey area. This resulted in radar penetration down to approximately 3.5 to 4.0 feet bgs. There were 4 GPR anomalies detected within the survey boundaries specified by the client. Three of the GPR anomalies were marked and delineated with pink marking paint (Figures 3-10), while the other GPR anomaly was marked with yellow marking paint (Figures 11 and 12).

GPR Anomaly #1 is centered at X=20, Y=65 and measures approximately 20 feet wide and 20 feet long. The anomaly coincides with an existing asphalt patch. The reason for the asphalt patch is unknown; however, GPR profiles collected over this feature show subtle imagery to suggest a backfilled excavation. There were no significant high EM signatures within the borders of GPR Anomaly #1. In addition there was no radar evidence of a tank-like image. So it can be concluded that there was no geophysical evidence for the existence of an underground storage tank; however, a backfilled excavation is more likely.

GPR Anomaly #2, approximately 10 feet wide and 7 feet long, is center at X=23, Y=24 (Figures 4-7). It was visually observed that a small depression was present in the center of this anomaly. Radar imagery has strong supporting evidence that previous digging and/or excavating activities occurred here as the soil consistencies within this anomaly are vastly different to the nearby, outer surrounding soils (Figures 17 and 18). These are similar characteristics to a backfilled excavation. An unknown line was also found to terminate within the borders of this anomaly. However, due to the small size of this anomaly, it is unlikely that an underground storage tank formerly existed here. Ground truthing and further investigation by SCS Engineers may be necessary to confirm the source of this unknown anomaly.

GPR Anomaly #3 is 30 feet long and stretches continuously from the southern edges past the northern edges of the survey area. This anomaly runs along the X-axis between Y=160 and 190 (Figures 8-10). Radar imagery shows a slight slant in the soils leading to more underground disturbed soils in the center of this anomaly (Figure 19). It appears these soils are relatively jumbled as compared to the nearby surrounding soils which suggest that previous digging and/or excavating activities occurred here. This anomaly extends significantly further north as a few radar passes were taken north the survey area in line with this anomaly. Because it extends relatively farther north, it is unlikely the suggested digging and/or excavating activities is related to an underground storage tank removal. There were no other high EM signatures, with the exception of aboveground objects, that were detected within this anomaly.

The other anomaly, GPR Anomaly #4, was located on the eastern edges just west of the reinforced concrete pad (Figures 11 and 12). Although radar imagery was not captured, it was concluded that the radar response from numerous traverses suggested these soils have been disturbed through some means, whether it be through excavating, digging or perhaps the ground settling. There were multiple high EM signatures within the boundaries of this anomaly; however, each signature was accounted for and was confirmed to be associated with aboveground metallic objects (i.e. reinforced concrete, junk rail, cutoff posts, etc). These soil disturbances may be associated with the recent construction activities that were done when the previous building was removed which was located on top of the existing reinforced concrete.

Piping and utilities detected during the survey were marked with spray marking paint on the ground cover, using yellow for soil disturbances, red for electric, green for sanitary sewer/storm drain, white for unknown utility type and pink for GPR Anomalies.

There were three reasonable candidate anomalies for a backfilled excavation; GPR Anomalies #1, #2 and #3. There were no other anomalies detected within the survey boundaries that would qualify as backfilled excavation-like candidates. Please note that there were no underground storage tanks detected. Please use the site interpretation map along with the markings in the field for a better representation of our findings.

Limitations and Further Recommendations - It should be understood that limitations inherent in geophysical instruments and/or surveying techniques exist at all sites, and nearly all sites exhibit conditions under which instruments might not perform optimally. Consequently, the detection of buried objects in all circumstances **cannot be guaranteed**. Such limitations are numerous and include, but are not limited to, rebar-reinforced ground cover, abrupt changes in ground cover type, above-ground obstacles preventing full traverses or traverses in one direction only, above-ground conductive objects interfering with instrument signal, nearby powerlines or EM transmitters, highly conductive background soil conditions, limiting GPR penetration, non-metallic targets, shallower or larger objects shielding deeper or smaller targets, tracing signal jumping from one line to another, and inaccessible risers, cleanouts, valve boxes, and manholes. If one or more geophysical instrument is rendered ineffective and cannot be utilized, the quality of the survey can be somewhat degraded.

For the above reasons, and in the interest of maximum safety, we encourage our clients to take advantage of Underground Service Alert (USA), Dig Alert, or other similar services, when possible. Furthermore, we recommend hand-auguring and the use of a drilling method known as air knifing and vacuum extraction, when feasible or if applicable to this project. These methods may significantly limit damage to underground pipes, conduits, and utilities that might not have been detectable during the course of this survey. Please bear in mind, that geophysical surveying is only one of several levels of protection that is available to our clients.

SubSurface Surveys may include maps in some reports. While they are an accurate general representation of the site and our findings, they are not of engineering quality (i.e., measured and mapped by a licensed land

surveyor).

SubSurface Surveys and Associates makes no guarantee either expressed or implied regarding the accuracy of the findings and interpretations present. And, in no event will SubSurface Surveys and Associates be liable for any direct, indirect, special, incidental, or consequential damages resulting from interpretations and opinions presented herewith.

All data acquired in these surveys are in confidential file in this office, and are available for review by your staff, or by us at your request, at any time. We appreciate the opportunity to participate in this project. Please call, if there are questions.

A handwritten signature in black ink, appearing to read "Bret Herman".

Bret Herman
Staff Geophysicist

A handwritten signature in blue ink, appearing to read "Travis Crosby".

Travis Crosby, GP# 1044
Staff Geophysicist

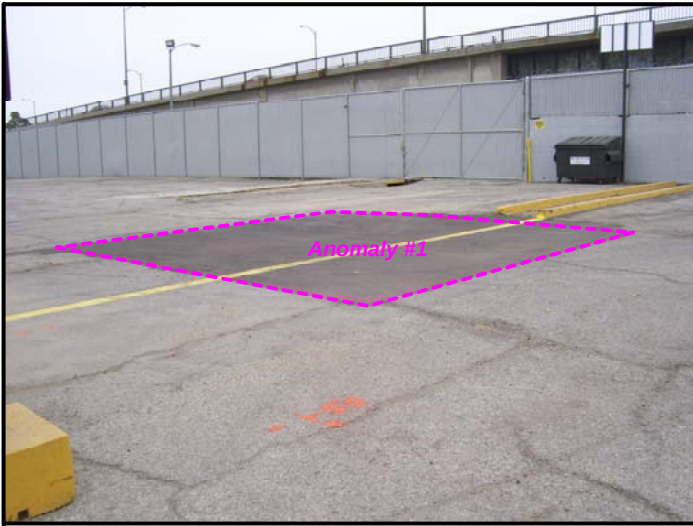


Figure 3

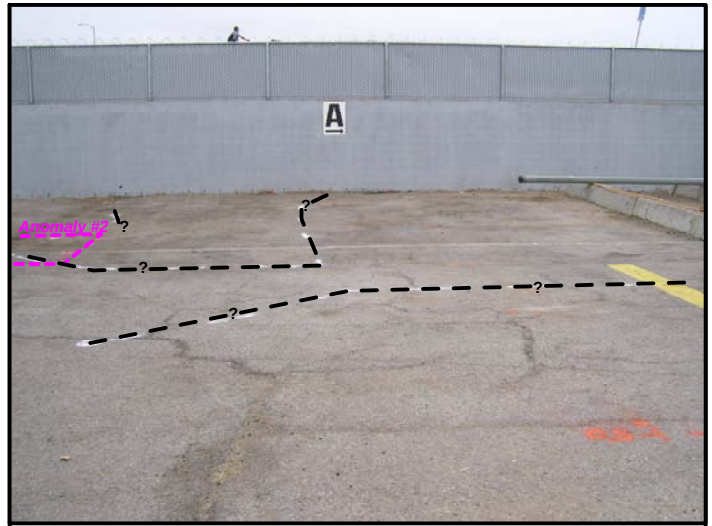


Figure 4

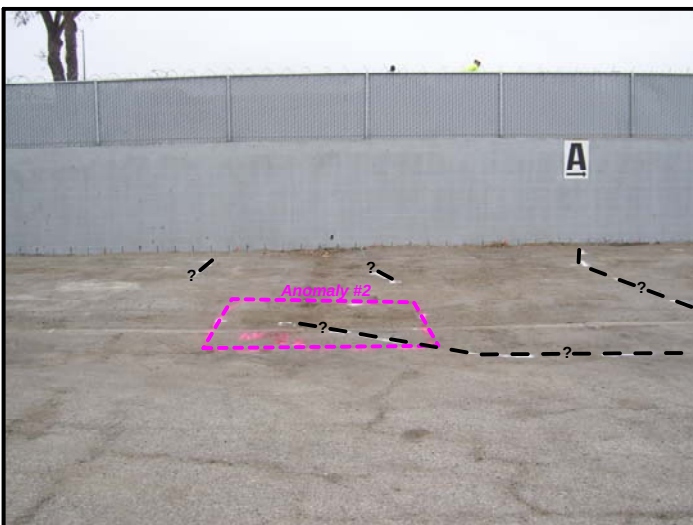


Figure 5

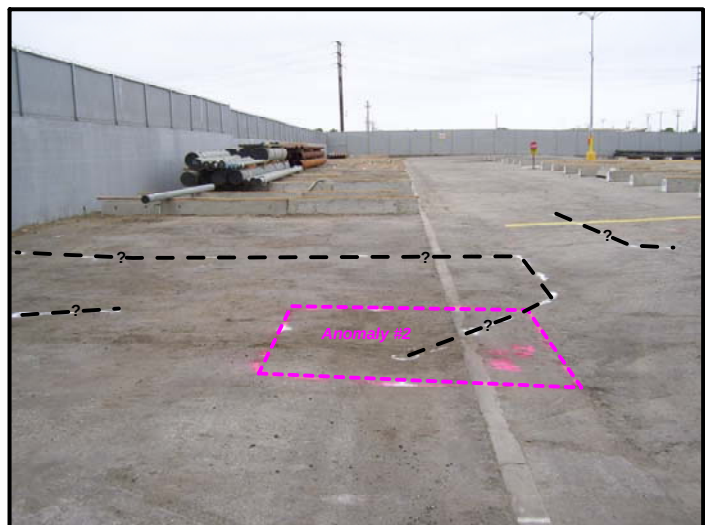


Figure 6



Figure 7



Figure 8



SITE:
901 West Anaheim Street
Long Beach, California

TITLE:
UST/Excavation Survey

PREPARED FOR:
SCS Engineers

DATE:
July 3rd, 2012

SSS PROJECT NO:
12-256

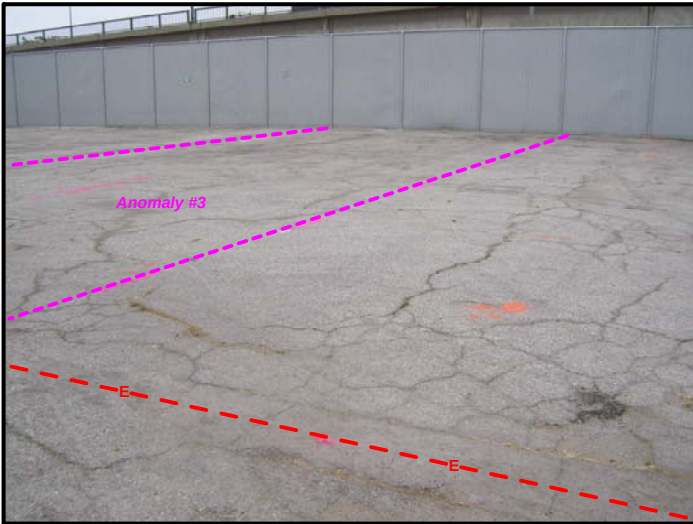


Figure 9

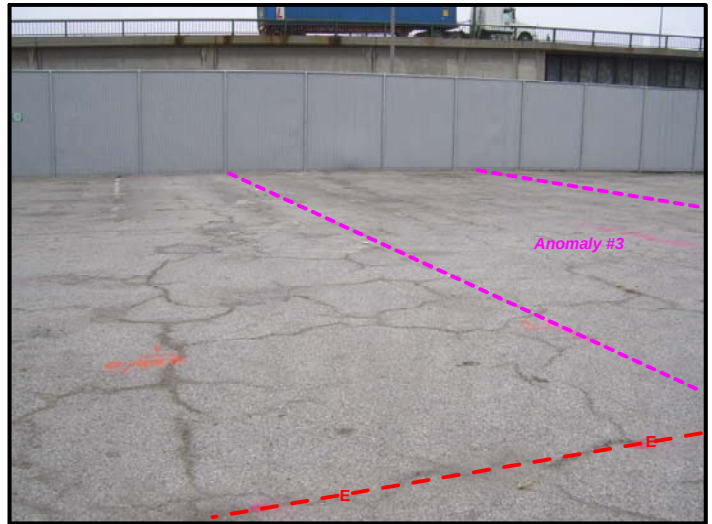


Figure 10



Figure 11



Figure 12



Figure 13

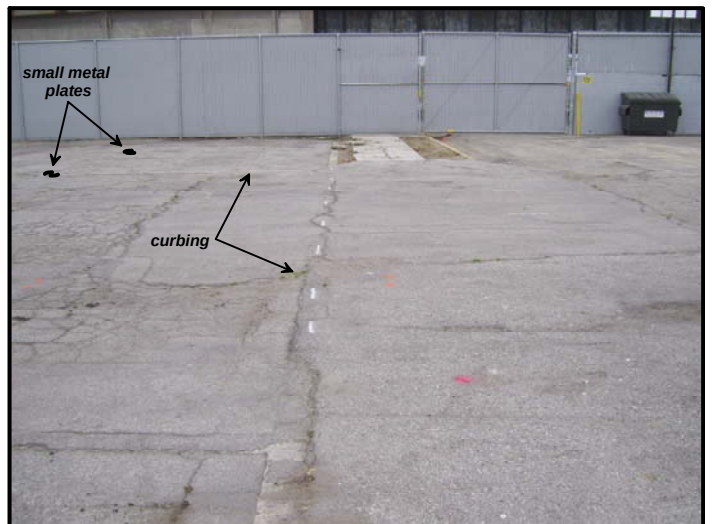


Figure 14



SITE:
901 West Anaheim Street
Long Beach, California

TITLE:
UST/Excavation Survey

PREPARED FOR:
SCS Engineers

DATE:
July 3rd, 2012

SSS PROJECT NO:
12-256

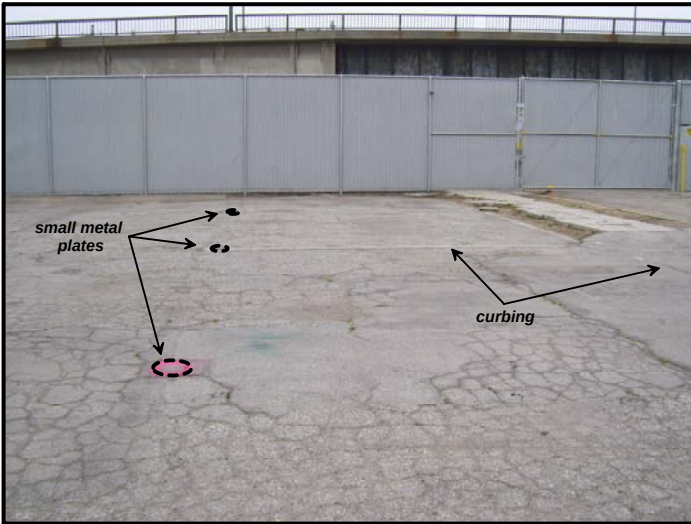


Figure 15

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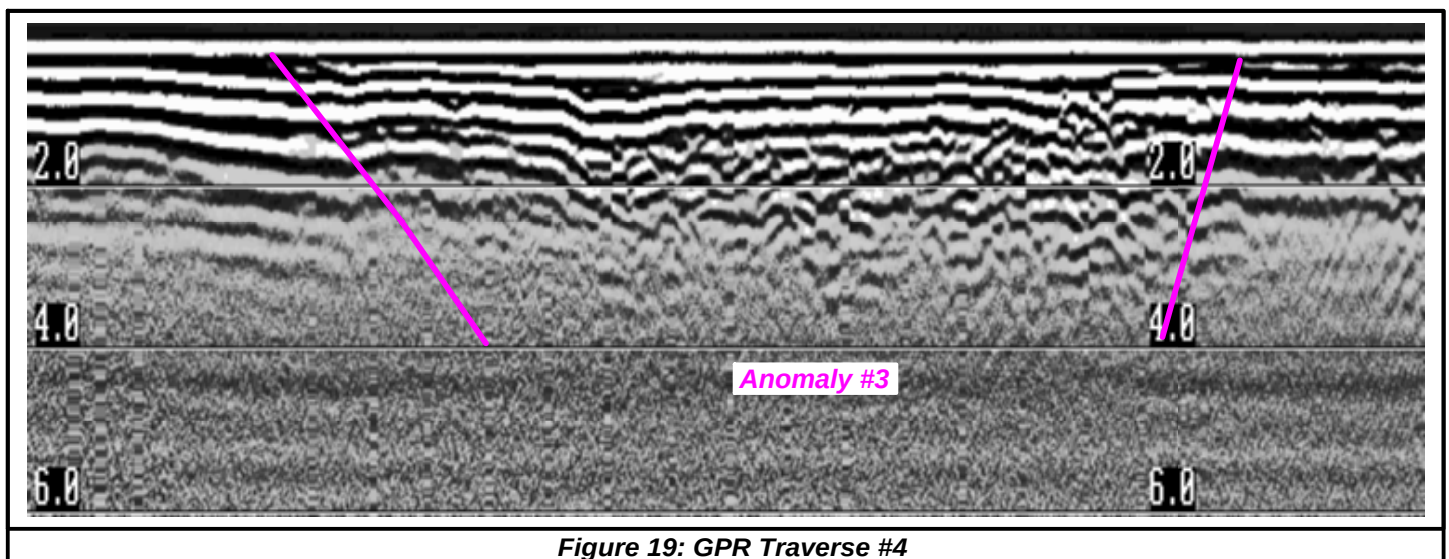
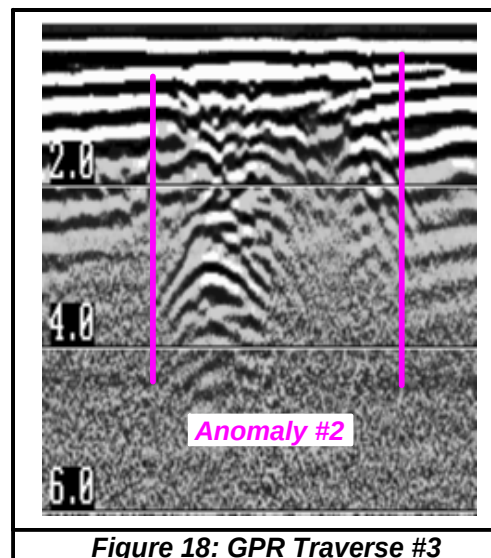
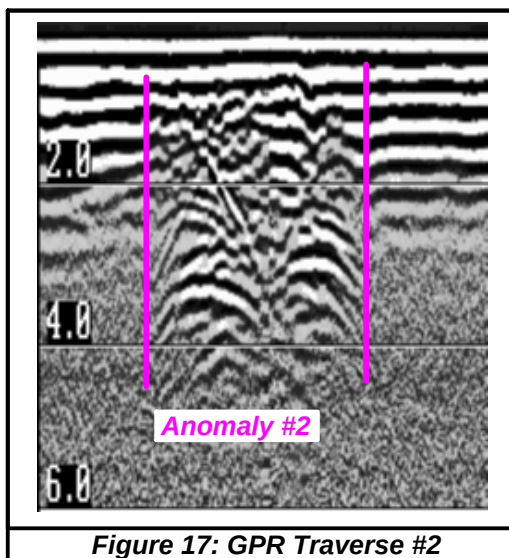
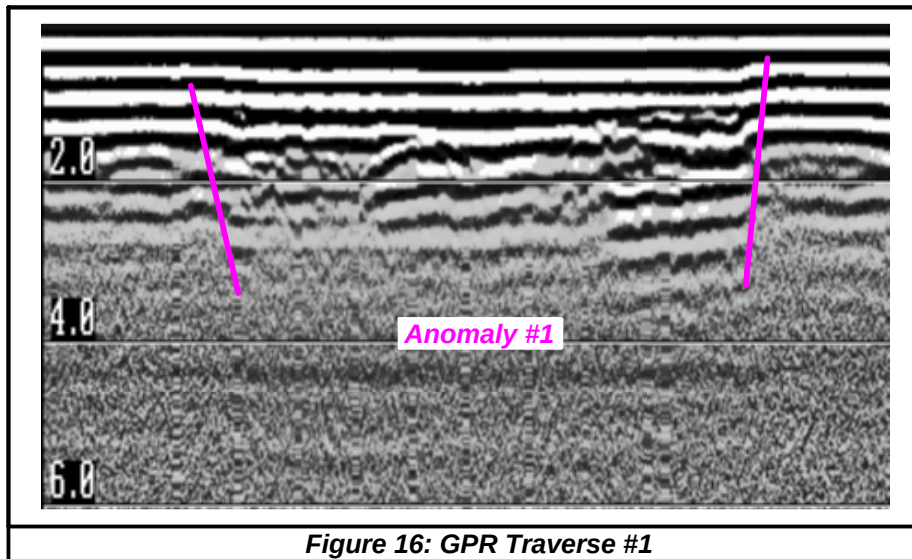
SITE:
901 West Anaheim Street
Long Beach, California

TITLE:
UST/Excavation Survey

PREPARED FOR:
SCS Engineers

DATE:
July 3rd, 2012

SSS PROJECT NO:
12-256



SITE:
901 West Anaheim Street
Long Beach, California

TITLE:
UST/Excavation Survey

PREPARED FOR:
SCS Engineers

DATE:
July 3rd, 2012

SSS PROJECT NO:
12-256

SCS ENGINEERS

February 15, 2013
Project No. 01212361.00

Via email (carmen.piro@longbeach.gov) and US Mail

Mrs. Carmen Piro-Swart
The City of Long Beach
Department of Health & Human Services
2525 Grand Ave, Room 222
Long Beach, California 90815
(562) 570-4137

Subject: Submittal of Clarifier Removal Report, Former Long Beach Public Service Yard, 1725 San Francisco Avenue, Long Beach, California

Dear Mrs. Piro-Swart:

SCS Engineers is pleased to submit the above-referenced Clarifier Removal Report for the above referenced site for your review. Please call Kevin Green or myself at (562) 426-9544 if you have any questions.

Sincerely,



Ashley P. Hutchens
Senior Project Scientist
SCS ENGINEERS

Enclosures: As stated

cc: Mr. Tim Buzbee – Long Beach Fire Department
Mr. Michael Conway – City of Long Beach (email only)
Mr. Clark Neuhoﬀ – Alere Property Group, LLC (email only)

**CLARIFIER REMOVAL REPORT
FORMER LONG BEACH PUBLIC SERVICE YARD
1725 SAN FRANCISCO AVENUE
LONG BEACH, CALIFORNIA 90813**

Prepared for:

**City of Long Beach
Department of Public Works**

333 West Ocean Boulevard 9th Floor
Long Beach, California 90802
(562) 570-5282

Prepared by:

SCS ENGINEERS
3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806
(562) 426-9544

February 2013
File No. 01212361.00

This Clarifier Removal Report for the former Long Beach Public Service Yard located at 1725 San Francisco Avenue, Long Beach, California, dated February 2013, was prepared and reviewed by the following:

Ashley P. Hutchens

Ashley P. Hutchens
Project Manager

Kevin W. Green

Kevin W. Green, P.G.
Project Director
SCS ENGINEERS



DISCLAIMER

This report was prepared for City of Long Beach Department of Public Works with specific application to clarifier removal activities at the former Long Beach Public Service Yard located at 1725 San Francisco Avenue, Long Beach, California. This report has been prepared in accordance with the care and skill generally exercised by reputable professionals, under similar circumstances, in this or similar localities. No other warranty, either express or implied, is made as to the professional advice presented herein.

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1 INTRODUCTION

SCS Engineers (SCS) was retained by the City of Long Beach Department of Public Works to provide oversight during the removal of two clarifiers located at the former Long Beach Public Service Yard (LBPSY), 1725 San Francisco Avenue, Long Beach, California (the “Property”). Clarifier removal activities were conducted in accordance with SCS’s proposal dated November 13, 2012 (File No. 011018212). A location map for the Property is presented as **Figure 1**.

2 BACKGROUND

Two clarifiers, associated with a car wash area and paint rinse/cleaning area, were located on the eastern side of the Property approximately 50 and 90 feet west of San Francisco Avenue. The clarifiers are located in an area where there is known historic debris/fill material.

In 2005, SCS collected soil and soil vapor samples from the Property, several of which were in areas of the paint and car wash clarifiers. Volatile organic compounds (VOCs) were not detected in soil or soil vapor samples in these areas. In addition, total petroleum hydrocarbons (TPH) were not detected in a sample collected near the car wash clarifier (the sample adjacent to the paint clarifier was not analyzed for TPH). A 5-foot soil sample near the car wash clarifier was also analyzed for and contained elevated concentrations of metals, including arsenic, chromium, copper, lead, nickel and zinc. In particular, lead was detected in this sample at a concentration of 2,400 milligrams per kilogram (mg/kg). SCS prepared and submitted a Remedial Action Plan (RAP) for the removal of the debris/fill in March 2012. The City of Long Beach Department of Health and Human Services (DHHS) approved the RAP on March 8, 2012. The lead-impacted soils on the Property (including those in the clarifier areas) are to be remediated as indicated in the approved RAP. Remedial activities are scheduled to commence in April 2013.

3 ENVIRONMENTAL SETTING

PHYSIOGRAPHIC SETTING

According to the U.S. Geological Survey (USGS), Long Beach (1964, photorevised 1981), California 7.5-minute topographic map, the Property is located at an elevation of approximately five feet above mean sea level, immediately east of the Los Angeles River and about 1.3 miles north of San Pedro Bay. Regional topography is relatively flat with a gentle slope to the west.

GEOLOGY AND SOILS

Geologic maps indicate that surface sediments in the area are Quaternary alluvium and coastal deposits of silt, sand, and gravel that are underlain by the late Pleistocene Lakewood Formation. The Lakewood Formation, which consists of gravel, sand, sandy silt, silt and clay with shale pebbles, extends to a depth of approximately 100 feet (California DWR, Bulletin No.104). Sediments below the Lakewood Formation belong to the late Pleistocene San Pedro Formation.

GROUNDWATER

The Property is located in the southern portion of the West Coast Groundwater Basin. The first groundwater aquifer in the region is within the Gage Aquifer within the Lakewood Formation. Based on groundwater monitoring reports for a former UST site located in the 14th Street right-of-way on the north boundary of the Property, first groundwater is approximately 4 to 5 feet below grade and flows southeasterly in direction. Shallow groundwater has locally been impacted by saltwater intrusion; therefore, it is not used as a drinking water source. Groundwater beneath the Property may be tidally influenced due to tides in the adjacent Los Angeles River.

4 CLARIFIER REMOVAL

Clarifier abandonment activities were conducted on January 15, 2013. Moine Bros. provided equipment and operators to conduct the removal activities with oversight conducted by SCS. Moine Bros. contacted Underground Service Alert prior to initiating removal activities. The scope-of-work for the clarifier removals involved the following: obtaining required permits, shoveling the accumulated sludge from the clarifiers, pressure rinsing, pumping liquids from clarifiers and disposing of the removed liquids and sludge under proper manifest, disposal of the clarifiers, capping the sewer line, and backfilling.

A permit for the clarifier removal was obtained from the Long Beach Fire Department (LBFD), a copy of which is provided in **Appendix A**. The clarifier was removed in general accordance with the LBFD requirements for underground storage tanks. LBFD inspector, Mr. Tim Buzbee, provided oversight of the removal and associated soil sampling activities. A copy of the LBFD Inspection Record is also provided in **Appendix A**.

Prior to removal, the sludge and water in the clarifiers were placed into 55-gallon drums. A backhoe equipped with a breaker bar was used to break up and remove the concrete surrounding both of the clarifiers. Both clarifiers were removed intact and the surrounding soils were excavated and stockpiled next to the pulled clarifiers. Upon removal, the clarifiers were both observed to be metal and measured to be 3 feet in length by 2 feet wide by 3 feet high. The locations of the clarifiers are depicted on **Figure 2**.

SOIL SAMPLING

After their removal, samples were collected from the bottom of each clarifier pit in native soil as specified by the LBFD. Sampling was completed under the direction of Kevin Green of SCS, a California Professional Geologist. Soil samples were collected at a depth of 6 feet below ground surface (bgs) in both excavations. The fill material above the native soils in both excavations consisted of brown silty sand. Debris (glass, metal, and wood ash) was observed in the car wash excavation, likely related to previous filling activities. A composite soil sample was also collected from each of the associated soil stockpiles. Samples from the car wash clarifier were designated with the notation “WC” (i.e. WC-SP was collected from the car wash clarifier stockpile) and samples from the paint clarifier were designated with the notation “PC.” Sample locations are shown on **Figure 2**.

Soil samples from the clarifier excavations were collected in 4-ounce glass jars directly from the bucket of the backhoe. Each soil sample was prepared for analysis in the field using EPA Method 5035, which includes collecting three 5-gram aliquots of soil using a plunger/sub-sampler provided by the laboratory. The three aliquots of soil were immediately placed in 40 milliliter VOA (volatile organic analysis) vials as follows: two aliquots in VOAs with a sodium bisulfate preservative and one aliquot in a methanol preservative.

Following labeling, samples were placed in a chilled ice chest for transportation to Chemtek Environmental Laboratories Inc. (Chemtek) of Santa Fe Springs, California. The samples from both the excavations and the stockpiles were analyzed for TPH by EPA Method 8015M, VOCs by EPA Method 8260B, and California Code of Regulations (CCR) Title 22 metals by EPA Method 7000 series.

Analytical Results

The Chemtek laboratory report, including chain-of-custody documentation and quality assurance/quality control (QA/QC) data, is provided in **Appendix B**.

As shown on **Table 1**, TPH was not detected in any of the analyzed soil samples. Benzene, toluene, methyl ethyl ketone (MEK), and acetone were the only VOCs detected, at low concentrations ranging from 1 to 35 micrograms per kilogram. As shown on **Table 2**, concentrations of metals were within the typical background ranges for California soils, with the exception of lead in the composite samples from both stockpiles. Lead was detected at a concentration of 173 mg/kg at the paint clarifier stockpile and 631 mg/kg at the car wash clarifier stockpile. As previously discussed, remediation of lead-impacted soils is scheduled to commence in April 2013 with the oversight of the DHHS. Lead concentrations in native soil samples collected at 6 feet bgs were well below the cleanup goal of 320 mg/kg at 4.4 and 8.9 mg/kg, respectively.

BACKFILL

The stockpiled soil was used to backfill the excavations following clarifier removal. In addition, stockpiled soil from the Property was used to complete the backfill for safety reason. A sheet of visqueen separates the two materials in both excavations. The backfill was compacted by running the backhoe over the area numerous times. These areas will be re-excavated during grading and/or remedial excavation activities as previously discussed.

WASTE DISPOSAL

Upon removal, the interior of the clarifiers were high-pressure rinsed with water and the liquid contents were pumped into 55-gallon drums. The sludge and associated liquids were sampled for VOCs by EPA Method 8260B, TPH (carbon chain analysis, TPH-cc) by EPA Method 8015M, and Title 22 metals by EPA Method 7000 series. Upon characterization and profiling as non-hazardous wastes, the sludge was transported to the Soil Safe facility in Adelanto, California for disposal/treatment and the water was taken to K-Pure Waterworks in Rancho Cucamonga, California. A copy of the non-hazardous waste manifest is included in **Appendix C**.

The clarifiers and associated catch basins were disposed of/recycled by Moine Bros. A certificate of disposal is provided in **Appendix D**. After the clarifiers were removed, the sewer lines were sealed/capped.

SUMMARY

In summary, on January 15, 2013 two clarifiers located at the former Long Beach Public Service Yard, 1725 San Francisco Avenue, Long Beach, California were removed and the sewer lines were capped/sealed with oversight provided by the Long Beach Fire Department. No significant impacts from VOCs or TPH were identified in association with the clarifiers. Lead was detected at concentrations of 173 and 631 mg/kg in soil excavated from the paint and car wash clarifiers, respectively. The elevated lead concentrations are associated with debris/fill material previously placed on the Property. The lead-impacted soil associated with the debris will be remediated in the near future (planned for April 2013) with oversight by the Long Beach DHHS.

6 REFERENCES

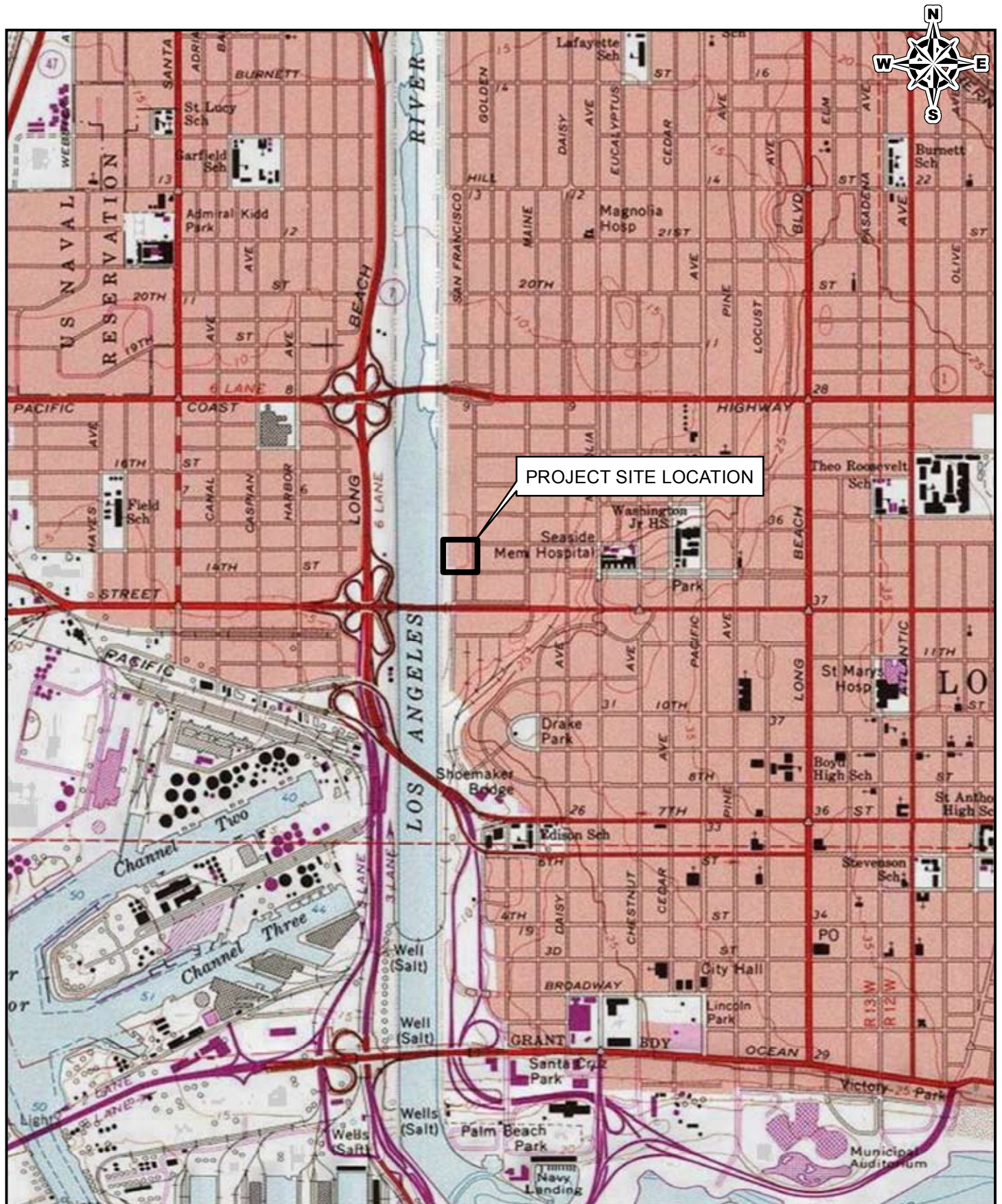
SCS Engineers, February 22, 2005, *Phase I Environmental Assessment, Long Beach Public Service Yard, San Francisco Avenue – 7 APNs, Long Beach, California*, (File No. 01204007.01)

SCS Engineers, August 2, 2005. *Phase II Site Investigation Report, Long Beach Public Service Yard, 1601 San Francisco Avenue, Long Beach, California*, (File No. 01204007.02).

SCS Engineers, November 5, 2010, *Phase I Environmental Assessment, Former Long Beach Public Service Yard, 5 ½ Parcels at Anaheim Street and San Francisco Avenue, Long Beach, California*, (File No. 01210161.00).

SCS Engineers, March 2012. *Remedial Action Plan, Former Long Beach Public Service Yard, (APNs 7271-011-008 and 7271-008-013), Long Beach, California*, (File No. 01210161.03).

FIGURES 1 AND 2



SOURCE: 7.5 MINUTE TOPOGRAPHIC MAP
UNITED STATES GEOLOGICAL SURVEY
LONG BEACH, CA, PHOTO-REVISED 1981

PROJECT NO:
01212361.00

DRAWN BY:
K. BRAUN

APPROVED BY:
A. HUTCHENS

0 1,000 2,000
Feet
1 in = 2,000 ft

FIGURE

SCS ENGINEERS

3900 KILROY AIRPORT WAY, STE 100
LONG BEACH, CALIFORNIA 90806-6816

SITE:

FORMER LONG BEACH PUBLIC SERVICE YARD
LONG BEACH, CALIFORNIA 90813

TITLE:

SITE LOCATION MAP

1

COWLES STREET

1445

SAN FRANCISCO AVENUE

1409

14TH STREET

LOS ANGELES RIVER FLOOD CONTROL CHANNEL

WORK
SHED

CAR WASH
CLARIFIER

WC1-6'

WC-SP

STOCKPILES

PC1-6'

PC-SP

PAINT
DISPOSAL
CLARIFIER

ARTIFACT
PRESERVATION
AREA

STORAGE (4130)
(4150)

OFFICES
(4110)

ELEC.
WAREHOUSE

TRAFFIC POST
STORAGE AREA

WEATHER STATION

FORMER
STREET



GRAPHIC SCALE
0 60
SCALE IN FEET

LEGEND

◆ SAMPLE LOCATION

SCS ENGINEERS
ENVIRONMENTAL CONSULTANTS

3900 KILROY AVENUE, SUITE 100
LONG BEACH, CA 90808
PH: (562) 425-9544 FAX: (562) 427-0805

DRAWN BY: **A. HUTCHINS** CHECKED BY: **K. GREEN**
DATE: **02/11/13** APP. BY: **K. GREEN**

CITY OF LONG BEACH
DEPARTMENT OF PUBLIC WORKS
333 W. OCEAN BLVD, 9TH FLOOR
LONG BEACH, CA 90802

SHEET TITLE
LOCATION OF CLARIFIERS

PROJECT TITLE
FORMER LONG BEACH PUBLIC SERVICE YARD
1725 SAN FRANCISCO AVENUE
LONG BEACH, CALIFORNIA

DATE: **02-11-13**

SCALE: **1"=50'**

DRAWING NO.

2

TABLES 1 AND 2

TABLE 1
SUMMARY OF ANALYTICAL RESULTS FOR TPH AND VOCs IN SOIL
FORMER LONG BEACH PUBLIC SERVICE YARD, 1725 SAN FRANCISCO AVENUE, LONG BEACH, CA

Sample ID	Sample Depth (feet bgs)	Sampling Date	Total Petroleum Hydrocarbons (EPA Method 8015M)			VOLATILE ORGANIC COMPOUNDS (VOCs) (Using EPA Method 8260B)			
			Gasoline Range (C ₄ -C ₁₂)	Diesel Range (C ₁₃ -C ₂₂)	Heavy Hydrocarbon Range (C ₂₃ -C ₄₀)	Benzene	Toluene	Methyl ethyl ketone (MEK)	Acetone
			milligrams per kilogram (mg/kg), equivalent to parts per million			micrograms per kilogram (ug/kg), equivalent to parts per billion			
PC1-6	6	1/15/2013	<0.2	<5.0	<10	2.0	1.0	<8	32
PC-SP	Composite from Stockpile		<0.2	<5.0	<10	2.0	0.9	9.0	35
WC1-6	6		<0.2	<5.0	<10	3.0	1.0	<6	<24
WC-SP	Composite from Stockpile		<0.2	<5.0	<10	2.0	1.0	<8	27*
RWQCB SSLs (0-20 feet above groundwater)			100	100	1,000	11	300	--	--

Notes:

-- = Not Analyzed or Not Applicable

RWQCB SSLs = Los Angeles Regional Water Quality Control Board Soil Screening Levels for Sand Lithology

* = Estimated value below the Reporting Limit and above the Method Detection Limit.

TABLE 2
SUMMARY OF ANALYTICAL RESULTS FOR METALS IN SOIL
FORMER LONG BEACH PUBLIC SERVICE YARD, 1725 SAN FRANCISCO AVENUE, LONG BEACH, CALIFORNIA

Sample (or Boring) ID	Sample Depth (feet bgs)	Sampling Date	Title 22 Metals (EPA Method 7000 Series)																
			Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
			milligrams per kilogram (mg/kg), equivalent to parts per million																
PC1-6	6	1/15/2013	<1.0	<0.50	168	<0.50	<0.50	29.0	13.3	28.5	4.4	<0.05	<0.50	18.8	<0.50	<0.50	<1.0	49.9	66.8
PC-SP	Composite from Stockpile		<1.0	<0.50	227	<0.50	<0.50	31.5	12.7	43.6	173	<0.05	<0.50	17.0	<0.50	<0.50	<1.0	54.5	202
WC1-6	6		<1.0	<0.50	260	<0.50	<0.50	41.5	20.8	57.5	8.9	<0.05	<0.50	26.8	<0.50	<0.50	<1.0	78.2	107
WC-SP	Composite from Stockpile		<1.0	<0.50	174	<0.50	<0.50	18.9	4.5	78.6	631	<0.05	<0.50	9.8	<0.50	<0.50	<1.0	26.0	565
Typical Range for CA Soils*			0.15-1.95	0.6-11	133-1,400	0.25-2.7	0.05-1.7	23-1579	2.7-46.9	9.1-96.4	12.4-97.1	0.1-0.9	0.1-9.6	9-509	0.015-0.430	0.1-8.3	0.17-1.1	39-288	88-236
Residential RSL			31	0.39	15,000	160	70	120,000/0.29±	23	3,100	400	23	390	1,500	390	390	0.8	390	23,000
Industrial RSL			410	1.6	190,000	2,000	800	1,500,000/5.6±	300	41,000	800	310	5,100	20,000	5,100	5,100	10	5,200	310,000
Residential CHHSL			30	0.070	5,200	150	1.7	100,000/17±	660	3,000	80	18	380	1,600	380	380	5.0	530	23,000
Industrial CHHSL			380	0.24	63,000	1,700	7.5	100,000/37±	3,200	38,000	320	180	4,800	16,000	4,800	4,800	63	6,700	100,000
TTLC			500	500	10,000	75	100	2,500	8,000	2,500	1,000	20	3,500	2,000	100	500	700	2,400	5,000
STLC**			15	5	100	0.75	1	5	80	25	5	0.2	350	20	1	5	7	24	250
TCLP**			NA	5	100	NA	1	5	NA	NA	5	0.2	NA	NA	1.0	5	NA	NA	NA

Notes:

- 1) bgs = below ground surface
- 2) * Bradford, G.R., Chang, A.C., Page, A.L., Bakhtar, D., Fampton, J.A., and Wright, H., 1996, *Background Concentrations of Trace and Major Elements in California Soils*, Kearney Foundation of Soil Science Special Report, Division of Agriculture and Natural Resources, University of California.
- 3) ** - Values in milligrams per liter (mg/L)
- 4) ± Value for Chromium (III) / Value for Chromium (IV)
- 5) Residential RSL = US EPA Region 9 Regional Screening Levels for Residential Soils, November 2012 (http://www.epa.gov/reg3hwmd/risk/human/rb-concentration_table/Generic_Tables/pdf/master_sl_table_run_NOV2012.pdf).
- 6) Industrial RSL = US EPA Region 9 Regional Screening Levels for Industrial Soils, November 2012 (http://www.epa.gov/reg3hwmd/risk/human/rb-concentration_table/Generic_Tables/pdf/master_sl_table_run_NOV2012.pdf).
- 7) Residential CHHSL = California Human Health Screening Level for residential land use as published by the California Environmental Protection Agency, June 2005. The CHHSL for lead was revised in September 2009.
- 8) Industrial CHHSL = California Human Health Screening Level for commercial/industrial land use as published by the California Environmental Protection Agency, June 2005. The CHHSL for lead was revised in September 2009.
- 9) TTLC = Total Threshold Limit Concentration as identified in Title 22 of the California Code of Regulations. Wastes with concentrations above this value are considered hazardous for the purposes of disposal under California regulations.
- 10) STLC = Soluble Threshold Limit Concentration, in mg/L, as identified in Title 22 of the California Code of Regulations. A concentration of ten times the STLC is sometimes used as a trigger to conduct further analysis (i.e., the soluble analysis) of a sample to determine disposal requirements. Wastes with soluble concentrations above this value are considered hazardous for the purposes of disposal under California regulations.
- 11) TCLP = Toxicity Characteristic Leaching Procedure concentration, in mg/L, as identified in the Code of Federal Regulations. Wastes with soluble concentrations above this value are considered hazardous for the purposes of disposal under federal regulations.
- 12) NA = Not Applicable

APPENDIX A

LBFD PERMIT AND INSPECTION RECORD

GENERAL PROJECT INFORMATION

- A. SITE ADDRESS: ¹⁷²⁵ ~~1445~~ SAN FRANCISCO AVE. City LONG BEACH Zip 90813
Assessors Parcel No. 7271-008-013
- B. PROPERTY OWNER:
Company CITY OF LONG BEACH Contact MICHAEL CONWAY
Home Mailing Address 333 WEST OCEAN, 9th FL. City LONG BEACH Zip 90802
Home Phone # (562) 570-5282
24 hr. Contact MICHAEL CONWAY Phone # (562) 570-5282
- C. TANK OPERATOR/OWNER:
Company CITY OF LONG BEACH Contact MICHAEL CONWAY
Home Mailing Address 333 W. OCEAN, 9th FL. City LONG BEACH Zip 90802
Home Phone # (562) 570-5282
24 hr. Contact MICHAEL CONWAY Phone # (562) 570-5282
- D. CONTRACTOR:
Primary Contractor MOINE BROS. Contact VIRGIL CICORIA
Mailing Address 521 EAST D STREET City WILMINGTON Zip 90744
Phone # (310) 830-1570
State Contractor License & Type 343468 Exp. Date 4/30/2014
Workers Compensation Insurance Co. CALIFORNIA INSUR. CO. Exp. Date 5/1/2013
City of Long Beach Business License # BU06024660 Exp. Date 3/27/13
- E. REMOVAL METHOD: Method #1-Hazardous _____ Method #2-Clean ☒
- F. SOIL SAMPLING:
Name KEVIN GREEN, SCS ENGINEERS Phone # (562) 426-9544
Address 3900 KILROY AIRPORT WAY, #100 City LONG BEACH Zip 90806
Circle Applicable Title:
California Registered Civil Engineer; Certified Engineer Geologist; or Registered Geologist
Name - State Certified Laboratory ^{CHEMTEK} ENVIRONMENTAL LABS Phone # (562) 926-9848
Address 13554 LARWIN CIRCLE City SANTA FE SPRINGS Zip 90670

APPROV
Rev. of (2)
Clarifiers
DEC 31, 2012
FTNK 142029
L.B.F.D.

THIS APPROVAL SUBJECT TO FIELD
ACCEPTANCE AND INSTALLATION PER
APPLICABLE CITY OF LONG BEACH AND
NFPA CODES AND REQUIREMENTS.

LONG BEACH FIRE DEPARTMENT

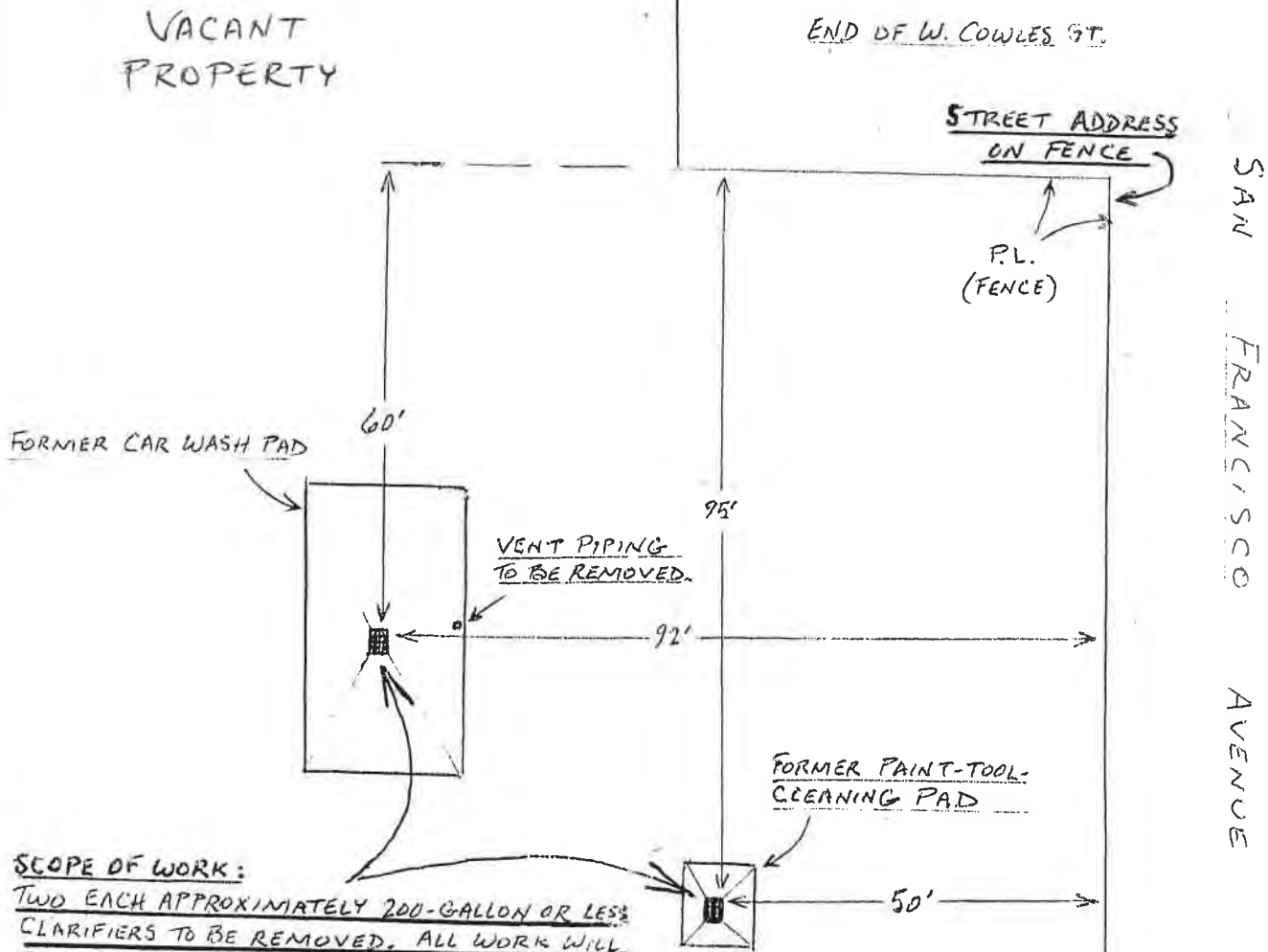
**FIRE DEPT. JOB CARD AND
APPROVED PLANS MUST BE
PROVIDED AT JOB SITE**

Bureau of Fire Prevention
Long Beach Fire Department **SITE MAP**

BUREAU OF FIRE PREVENTION

CITY OF LONG BEACH FORMER PUBLIC SERVICE YARD
~~1445~~ SAN FRANCISCO AVE., LONG BEACH, CA 90813
7725

N ↑
1" = 24'



SCOPE OF WORK:
TWO EACH APPROXIMATELY 200-GALLON OR LESS
CLARIFIERS TO BE REMOVED. ALL WORK WILL
BE PER L.B.F.D. REQUIREMENTS, INCLUDING
THOSE IN "INSPECTOR'S CHECKLIST" AND IN
"REMOVAL METHOD #2". SOIL SAMPLING WILL
FOLLOW L.B. HEALTH DEPT. REQUIREMENTS.
(SEE ATTACHED NOTES.)

CONTRACTOR: MOINE BROS.
521 EAST D ST., WILMINGTON, CA 90744
310-830-1570
LICENSE: 343468
C21, C61-D40 / HAZARDOUS SUBSTANCES RMVL.
EXPIRES 4-30-2014

SITE MAP INSTRUCTIONS

Site map shall indicate site address, nearest cross streets and property lines.

CLARIFIER REMOVAL PLAN NOTES:

SITE: CITY OF LONG BEACH FORMER PUBLIC SERVICE YARD
1445 SAN FRANCISCO AVENUE, LONG BEACH, CA 90813

Long Beach Fire Department will be contacted a minimum of 72 hours prior to start of work.

Removal will be by "Removal Method #2 – Clean" as follows:

The (2) clarifiers will be cleaned "on-site", "certificated" by a certified Marine Chemist or by a Certified Industrial Hygienist as clean, vapor free. The cleaned and certificated clarifiers will be demolished in place and transported (with their certification) off site for material recycling.

Prior to starting work:

1. Barriers, caution tape, and "No Smoking" signs will be installed to keep any source of ignition at least 25' away from the excavations; two each min. 2A,20B:C fire extinguishers will be available on site.
2. A Long Beach Fire Dept. Inspector must be on site to witness the dry ice procedure. Place a minimum of **twenty-five (25) pounds dry ice per 1,000 gallons capacity** into the clarifiers.
3. Within two hours after dry icing the tank, a Long Beach Fire Dept. Inspector will return to the site and witness the contractor take oxygen content readings. **Oxygen content of the clarifiers' atmospheres shall be below five percent, at which point the clarifiers shall be considered inerted. (NFPA 306) It is mandatory that a properly calibrated flammable/combustible gas analyzer (LEL meter) and oxygen indicator, certified within 90 days, be on the job site from start to finish.**
4. Work may begin only when permission is given by the Fire Inspector. Excavate and expose the sides of the clarifiers. Identify all piping associated with and relative to the clarifiers. Disconnect all piping from the clarifiers, making observations for any waste leakage. CONTINUOUS SUPERVISION MUST BE MAINTAINED DURING THE OPERATIONS BY A COMPETENT AND RESPONSIBLE ADULT EMPLOYEE OF THE CONTRACTOR NAMED ON THE REMOVAL PERMIT.
5. Use vacuum truck equipment following bonding procedures. TAKE FREQUENT LEL READINGS.
6. Water-blast the clarifiers' interiors using a minimum of 2,000 psi water; also use detergent if necessary. Loose scale, sludge, and rinse water are removed by the vacuum truck. The washing may cease when the sludge and debris is removed and the LEL is 0%. Grounding and bonding procedures shall be followed with water-blasting equipment.
7. Interior rinse water and sludge shall be manifested and transported to a fully approved and permitted TSD facility by a Licensed Hazardous Waste Transporter, subject to all applicable governmental regulations. A copy of the manifest shall be given to the Long Beach Fire Inspector on site before the clarifiers are removed.
8. A certified Marine Chemist or a Certified Industrial Hygienist shall inspect the clarifiers and issue a certificate stating that the clarifiers are clean and vapor free. A copy of the certificate must be given to the Long Beach Fire Inspector on the site.

Underground Tank Removal Plan Notes, continued:

9. Soil samples from beneath the clarifiers will be required and witnessed by a Long Beach Fire Dept. Inspector. See Long Beach Health Department Requirements (See pages ~~24-25~~ ^{#1-5}).
10. Soil piles shall be placed on heavy-duty plastic to avoid possible site contamination, and soil piles and excavation shall be covered with heavy-duty plastic sheets. Fencing and signage shall be provided to the satisfaction of the Long Beach Fire Dept. Inspector.
11. Soil sampling will be as follows:
Upon removal of the clarifiers, soil samples will be collected at a depth of two feet below the bottom of each end of each clarifier. Stockpile samples will be collected for characterization of the excavated soils. Samples will be collected by driving a wide-mouth glass jar or stainless steel or brass sample sleeve into the soil. If this cannot be accomplished, a pre-cleaned hand trowel will be used to scoop soils into the jar or sample sleeve. Soil will be tightly packed into the pre-cleaned sample containers, and the sample containers will be labeled, sealed with solvent-free polyethylene tape, and placed into a chilled ice chest and transported to the analytical laboratory using standard chain-of-custody procedures. Samples will be analyzed for VOCs, TPH, and metals using EPA Methods 5035/8260B, 8015M (carbon chain), and 6000/7000 series, respectively. All sampling will be conducted by a California Registered Geologist in accordance with Long Beach Health Dept. requirements and under the direction of a Long Beach Fire Dept. Inspector.

The above notes have been prepared by:



Virgil Cicoria
Project Manager, Moine Bros.

INSPECTORS CHECKLIST

APPOINTMENT DATE AND TIME: _____

Prior to Starting Work and Arrival of Inspector:

1. Fence, barriers, colored tape around work area _____
2. Two (2) fire extinguishers, minimum 2A – 20BC _____
3. Posted "No Smoking" signs _____
4. Draft product _____ Manifest with amount _____
5. DEGAS _____ Removal dispenser(s) _____

Arrival of Inspector:

1. Dry ice tank(s) Method #1-Hazardous (22 lbs per 1000 gallon minimum) _____
2. Dry ice tank(s) Method #2-Clean (22 lbs per 1000 gallon minimum) _____

Two Hours Later – Return of Inspector:

1. LEL and oxygen meters (tag-dated calibration within 90 days) _____
2. Oxygen at 5% or lower _____
3. Permission to break ground _____ Time _____

After Ground Breaking:

1. Disconnect all associated underground piping _____
2. Tank(s) cut and triple rinsed (Method #2) _____
3. Marine Chemist or Industrial Hygienist certification (Method #2) _____

Moving Tanks – Witnessed by Inspector:

1. Remove tank(s) as hazardous waste (Method #1) or certified clean (Method #2) _____
2. Inspect tank(s) for holes, cracks, etc. _____
3. Remove all soil from tank(s) – using non-sparking equipment _____
4. Load on truck(s) and strap down _____
5. Collect tank(s) manifest and deliver to Inspector _____ and driver hauling tank(s) _____

Soil Sampling – Witnessed by Inspector:

1. Soil samples taken and location noted on site map _____
2. Brass sleeves or glass jars with a Teflon sealer only _____
3. Health Department evidence tape on soil samples _____
4. Put on ice immediately _____

Before Leaving Site:

1. Cover spoils pile (contaminated soil) with securely anchored heavy-duty plastic sheets _____
2. Six foot (6') fence around excavation _____ or;
3. Line contaminated excavation with heavy duty plastic sheets _____ and;
4. Backfill immediately with clean fill dirt _____

Required Paperwork:

1. Copy of hazardous waste manifest for residual product _____
2. Copy of hazardous waste manifest for rinseate _____
3. Copy of Marine Chemist or Certified Industrial Hygienist Certification _____

08/04/08



City of Long Beach

Department of Health and Human Services

Environmental Health, Hazardous Materials Division

CUPA (Certified Unified Program Agency)

2525 Grand Avenue, Room 222, Long Beach, California 90815

POST TANK REMOVAL GUIDELINES

- A. Soil samples will be required from beneath tanks, dispensers, pipes and spoils pile. Sampling must be witnessed by an Inspector from the City of Long Beach Fire Department.
- B. Analyses of the samples are indicated on pages 5 and 6 under **Laboratory Analyses**. **Soil sampling guidelines** and the format for the required **Soil Sampling Report** can be found on page 2. This report must be submitted to City of Long Beach Department of Health and Human Services (LBDHHS) within **14 days** of sampling.
- C. All excavated soil must be retained on site until the LBDHHS has reviewed the Soil Sampling Report. Excavated contaminated soil must be handled in compliance with the South Coast Air Quality Management District's Rule 1166 regarding volatile organic compound (VOC) emissions from contaminated soil.
- D. All soil excavated during removal of an underground storage tank is considered contaminated until proven otherwise by laboratory analysis performed by a California certified environmental laboratory. Leaking underground fuel tank (LUFT) contaminated soil, once it has been excavated, becomes waste. The contaminated site and the excavated soil must be treated under the authority of the Porter Cologne Water Quality Control Act (Water Code). The soil to be placed into a tank excavation must be either the excavated soil that has been deemed acceptable or remediated to the satisfaction of the LBDHHS, or clean imported soil, as proven by laboratory analysis by a California certified environmental laboratory. The LBDHHS does not stipulate how long an excavation can remain open as long as precautions have been taken by the responsible party to assure the avoidance of any potential public danger.
- E. All stockpiles shall be covered with heavy duty, continuous plastic sheet(s), joined at the seams and securely anchored to prevent any exposure of soil to the atmosphere.
- F. The site shall be temporarily fenced to a height of six feet.
- G. If an excavation is left in an unsafe condition, the property will be returned to a safe condition by the City of Long Beach and all costs incurred will be charged to the owner/permittee.
- H. Within **30 days** of tank removal, a **Tank Removal Report** (see page 4) and a **fee of \$ 225.00** for the project review must be mailed to the City of Long Beach Department of Health and Human Services, Division of Hazardous Materials: 2525 Grand Avenue, Suite 222, Long Beach, CA 90815.
- I. In addition, a **copy** of the report must be mailed to the **Long Beach Fire Department**: 3205 Lakewood Blvd, Long Beach, CA 90808.

SOIL SAMPLING GUIDELINES

1. Soil samples from beneath the dispensers, pipes, spoil piles and tank(s) will be required and witnessed by a Long Beach Fire Department Inspector. Samples must be taken 2 to 4 feet below the tank invert, the product lines (at 20 foot intervals) and from each dispenser.
2. Accepted sampling methods are: Split-barrel core sampler, modified California sampler, Shelby Tube, or other accepted method.
3. Core samples are to be collected using a volumetric sampling system designed to collect, store and deliver a soil sample. To preserve and minimize organic losses, the EPA Method 5035 specified in USEPA SW- 846, version (April 1998), or subsequent edition is to be used.
4. Soil sampling must be done under the direct supervision of a California Professional Geologist (PG).

The **Soil Sampling Report** is a preliminary assessment through documentation of the subsurface conditions from the open excavation where a tank was removed and is considered the minimum documentation required before the backfilling of an open excavation.

SOIL SAMPLING REPORT (FORMAT)

1. **SITE HYDROGEOLOGY**
 - a. Indicate depth to groundwater, aquifer system and local use of groundwater.
 - b. If groundwater is encountered, grab water samples must be obtained from a Hydropunch TM or similar type of system and properly analyzed. Because these sample results are not repeatable, they will be considered qualitative measurements. Also, the results will determine if the water is to be disposed of as hazardous waste.
2. **SOIL SAMPLING** Samples are to be collected using a volumetric sampling system designed to collect, store and deliver a soil sample. To preserve and minimize organic losses, EPA Method 5035 specified in USEPA SW-846, version (April 1998) or subsequent version is to be used. Samples must be tested by a laboratory with certification under the California Environmental Laboratory Accreditation program (ELAP).
3. **SITE GEOLOGY**
 - a. Submit cross-section of subsurface discovered during tank excavation.
 - b. Describe soil lithology.
4. **SOIL TEST RESULTS**
5. **MANIFESTS**
 - a. Tank disposal. Certification by Marine Chemist or Industrial Hygienist)
 - b. Rinseate disposal.
 - c. Contaminated soil disposal.
6. **CONCLUSIONS**
 - a. Recommend any additional work (site characterization.).
 - b. Recommend no additional work (closure)

7. SIGNATURE/STAMPS REQUIRED FROM ONE OF THE FOLLOWING:

- a. California Professional Civil Engineer (PE).
- b. California Professional Geologist (PG).

The Tank Removal Report requirements are as follows:

Tank Information

- a. Date tank(s) removed and contents samples.
- b. Number of tanks removed.
- c. Stored product.
- d. Tank capacity.
- e. Age of tank.
- f. Tank construction material.
- g. Tank disposal documentation: Removal as hazardous waste (manifested), or as scrap metal (Certification by a Marine Chemist or Industrial Hygienist).
- h. Product disposal documentation: manifest if tank is destroyed to be rendered as scrap metal.

2. Tank Removal

- a. Describe removal procedure.
- b. Monitor excavated soil for air emissions to comply with SCAQMD rule 1166.

3. Site Plan

- a. Show location of -tanks, sampling points building, piping and pumps.
- b. Show adjacent streets.
- c. North arrow.
- d. Area of excavation.

4. Soil Sampling Report

5. Underground Storage Tank Unauthorized Release Report (Leak) / Contamination Site Report

6. Important Information to Remember

- a. A California LUFT GCIFID Fingerprint Carbon Chain Analysis must be provided regardless of previous contents inside tank(s) in addition to other analysis.
- b. Laboratory data and chain of custody attached to corresponding reports must be original.
- c. Depth to groundwater must be provided.
- d. Soil samples (**native** soil only) must be provided from the following locations:
- e. At least two soil samples, one from either end of the tank excavation.
- f. At least one soil sample from under each dispenser.
- g. At least one sample from the spoils pile.

LABORATORY ANALYSES**PRODUCTS****COMPOUND/TEST**

	SOIL	WATER
Gasoline and MTBE BTXE	TPH= C4-C12 8260B	TPH= C4-C12 602
Diesel fuel	TPH= C13-C22 8260B	TPH= C 13 -C22 602
Jet fuel	TPH= C 13 -C22 8260B	TPH= C13 -C22
Waste motor oil	TPH= C23-C32 8260B CAM Metals	TPH= C23-C32 8260B CAM Metals
Solvent	Site Specific	Site Specific
Pesticides	Site Specific	Site Specific
Hydraulic Lift Vaults	TPH= C23-32 8260B CAM Metals	TPH= C23-C3 8260B CAM Metals
Clarifiers	TPH= C13-C32 8260B CAM Metals	TPH= C13-C22 8260B CAM Metals
Above -Ground Petroleum Tanks	TPH= C13-C32 8260B CAM Metals	TPH= C13-C22 8260B CAM Metals
Unknowns	(Tank contents must be analyzed)	(Tank contents must be analyzed)

Refer to Table I for method detection limit (MDL) requirements.

TEST METHODS

602 Aromatic volatile organics (water only)

Cal-LUFT GCIFID C4-C12 C13-C22 C23+

8021B Aromatic and halogenated (up to 3 carbons) volatile organics

8260B Volatile and halogenated organics

TABLE I: ANALYTICAL REQUIREMENTS

REQUIRED MDL

ANALYTE	ANALYTICAL METHOD	SOIL (µg/kg)	WATER (µg/L)
BTEX	EPA Method 8260B (8021B)	1	0.5
MTBE	EPA Method 8260B	2	1
DIPE	EPA Method 8260B	2	1
ETBE	EPA Method 8260B	2	1
TAME	EPA Method 8260B	2	1
TBA	EPA Method 8260B	20	10
TPHg	Cal-LUFT GC/FID or GC/MS	100-200	50-100
TPHd	Cal-LUFT GC/FID	1,000	500
Methanol	Cal-LUFT GC/FID	1,000	500
Ethanol	Cal-LUFT GC/FID (EPA8260B)	500	250

Source: California Regional Water Quality Control Board, Los Angeles Region, UST Lab Requirements For Oxygenates (09/06)

Report any concentration detected between the method detection limit (MDL) and estimated quantification limit (EQL) or reporting limit (RL) in a numerical value with a "J" flag indicator. All **"Non-Detect" (ND)** shall be reported in a format with **"< (numerical MDL)."** Integrate all fuel oxygenate additive concentration into total petroleum hydrocarbons (TPH) and report it as TPH. EPA Method 8260B may be used to substitute EPA Method 8260B at the sites where all fuel oxygenates have not been identified by EPA Method 8260B in soil and/or groundwater.



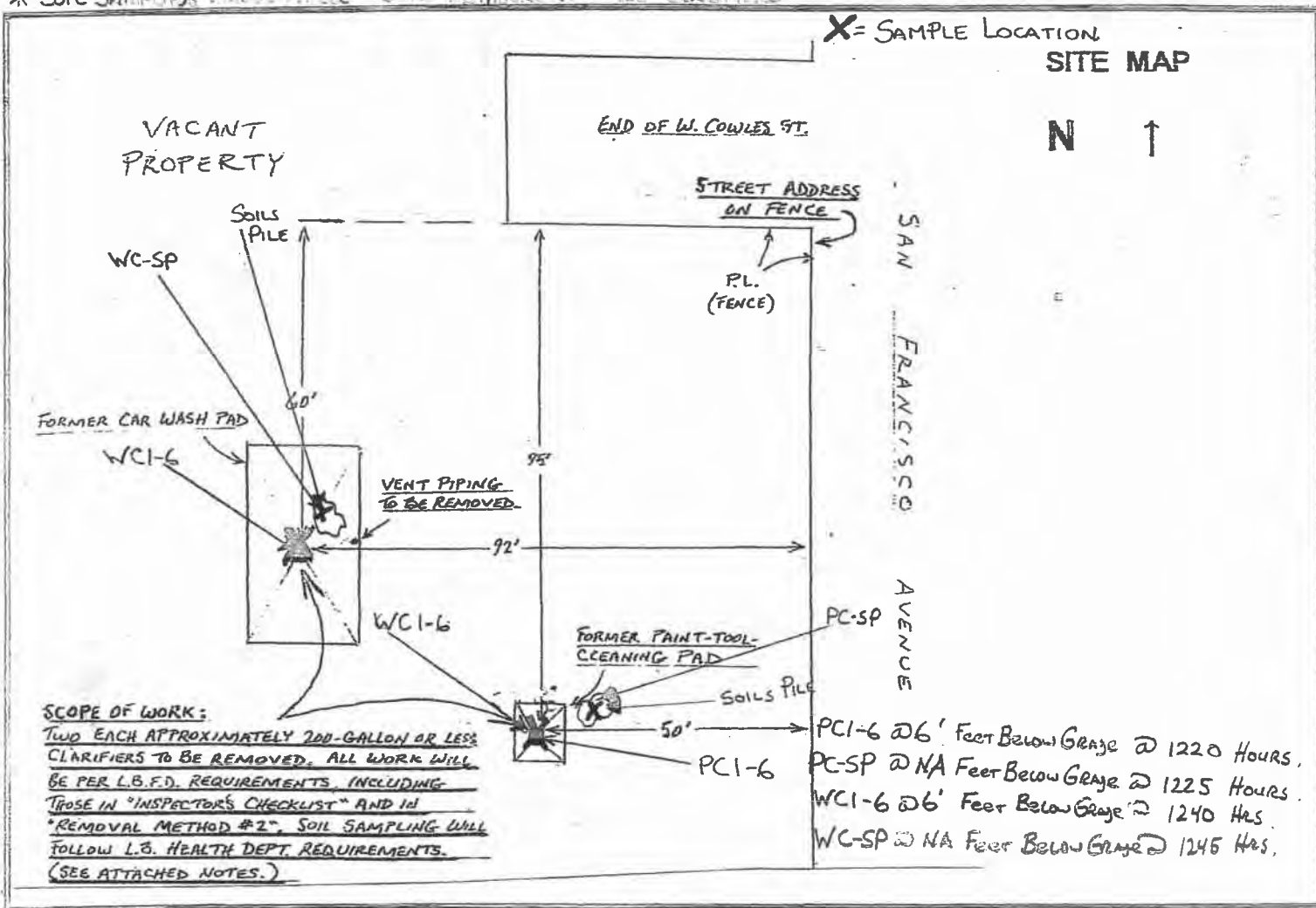
UNDERGROUND STORAGE TANK REMOVAL INSPECTION REPORT

3205 LAKEWOOD BLVD.
PHONE (562) 570-2580

LONG BEACH, CA 90808
FAX (562) 570-2556

NAME	ADDRESS	PHONE#
CITY OF LONG BEACH Site FORMER PUBLIC WORKS YARD	1725 SAN FRANCISCO AVE. LONG BEACH, CA 90813	(562) 570-5282
Owner CITY OF LONG BEACH	333 WEST OCEAN BLVD. LONG BEACH CA 90802	MR. MICHAEL CONWAY (562) 570-5282
Contractor MOINE BROS.	521 EAST J STREET WILMINGTON, CA 90744 (310) 830-1570	Project # FTNK 142029
Geologist KEVIN W. GREEN	16301 DUCHESS LANE HUNTINGTON BEACH CA 92647	CA PROFESSIONAL GEOLOGIST # 5706 EXPIRES 3-31-13
Lab CHETEK ENVIRONMENTAL LABS	13554 LARWIN CIRCLE SANTA FE SPRING CA 90670	Inspector T. Burdee 856788-UI

* SOIL SAMPLING ASSOCIATED WITH REMOVAL OF TWO CLARIFIERS



Remove 2 Clarifiers tank (s) per current Long Beach Fire Department and Long Beach Health Department guidelines. Soil sample analysis shall be submitted to both agencies within 14 days.

I have read and understand the above.

Signature: Kevin W. Green Print name & phone #: Kevin W. Green (562) 426-9544 Company and Title: SCS Engineers P.P.

ustrirugtanks

L.B.F.D. UST INSPECTOR'S SIGNATURE DATE 1-15-2013
856788-UI



LONG BEACH FIRE DEPARTMENT
BUREAU OF FIRE PREVENTION
3205 LAKEWOOD BOULEVARD
LONG BEACH, CA 90808

INSPECTION PERMIT

UPGRADE/REPAIRS

FOR INSPECTION SCHEDULING CONTACT:

T. Burbee

PC# F- FINK 142029

(562) 570-2542

****POST AT JOB SITE FOR FIRE DEPARTMENT INSPECTION RECORD****

PROJECT NAME: Currier Removal (2) At Former City of L.B. Public Works Yard.

JOB SITE ADDRESS: 1725 San Francisco Ave.

DESCRIPTION OF WORK: Removal of (2) Curriers

REQUEST ALL INSPECTIONS 72 HOURS IN ADVANCE

	DATE	APPROVED
☒ APPROVED PLANS ON SITE.	1-15-13	TD
☒ HAZ WOPPER CERTIFICATIONS AND PHOTO IDENTIFICATION FOR ALL WORKERS.	1-15-13	TD
☒ SOIL SAMPLING BY LICENSED FIRM/GEOLIGIST.	1-15-13	TD
☒ ICC CERTIFICATIONS/MANUFACTURING CERTIFICATIONS, CURRENT	1-15-13	TD
APPROVAL OF LONG BEACH BUILDING DEPARTMENT.		
☒ SITE ADDRESS VISIBLE FROM STREET.	1-15-13	TD
☒ HEALTH AND SAFETY PLAN ON SITE AND AVAILABLE.	1-15-13	TD
☒ FIRE EXTINGUISHER ACCESSIBLE AND CURRENT CERTIFICATIONS. ^{(2) 2A, 20B.C. FIRE EXTS.}	1-15-13	TD
☒ EQUIPMENT MATCHES PLANS AND SCOPE OF WORK.	1-15-13	TD
SUMPS FREE OF LIQUID AND DEBRIS, AT COMPLETION OF INSPECTION.		
☒ ^{Removal Per} VENT MODIFICATIONS MATCH APPROVED PLANS.	1-15-13	TD
FILL AND VAPOR BOOTS LIQUID TIGHT.		
DROP TUBE 95% OVERFILL ALARMS AT 90%		
LIQUID SENSORS PROPERLY PLACED AND MOUNTED CORRECTLY. ALL SENSORS SHALL BE SLEEVED.		
PIPING TYPE SHALL MATCH THE PLANS. PIPING TESTS.		

	DATE	APPROVED
SUMP ENTRY BOOTS PULLED BACK, AT COMPLETION OF INSPECTION.		
VAPOR PROCESSING EQUIPMENT:		
• LOCATION AND SITING		
• PROTECTION		
• VESSEL IDENTIFICATION		
• FIRE PROTECTION OR CODE EQUIVALENT		
•		
TANK MONITORING		
✓ "NO SMOKING" AND "STOP MOTOR" SIGNAGE	1-15-13	TS
✓ FIRE NOTES SHOWN ON SHEET <u>Various</u> (Separate Sheet)	1-15-13	TS
VERIFICATION MONIT. CERT. (DOES NOT TAKE PLACE OF ANNUAL.		
APPROVED FOR USE		
OBTAIN LONG BEACH ELECTRICAL, MECHANICAL AND SEIZMIC FIELD APPROVALS PRIOR TO CONTACTING LBFD FOR FIELD FINAL.		

Remove Approvals TS
Be for Approval Plans
1-13-13
1315/11

INSPECTION INFORMATION

Preserve this record for your inspections. The approved plans and this card must always be available to the Inspector. No work shall be concealed without prior approval of the Inspector. Schedule appointments 72 hours in advance. A reinspection fee will be assessed when the work is not ready, approved plans not on job site, failure to provide access or undue delays.

IMPAIRMENT NOTE

Fire Protection, Fire Life Safety, Egress as well as other required systems shall not be taken out of service or impaired in its normal functioning capabilities. All impairments shall be coordinated through Fire Prevention - Minimum 72 hours in advance. Contact (562) 570-2560.



LONG BEACH FIRE DEPARTMENT
BUREAU OF FIRE PREVENTION
3205 LAKEWOOD BLVD
LONG BEACH, CA 90808

For Inspection Scheduling
Contact
T. Surber
(562) 570-2542

INSPECTION PERMIT
UNDERGROUND TANK PERMIT

Permit # FTNK142029

****POST ON JOB SITE NEXT TO BUILDING DEPARTMENT INSPECTION RECORD****

PROJECT NAME:

Cumulative Removal (2) At Former City of L.B. Power Works Yard

JOB SITE ADDRESS:

1725 SAN FRANCISCO LONG BEACH, CA 90813

DESCRIPTION OF WORK:

Removal of (2) Cisterns

		DATE	APPROVED
✓	UNDERGROUND TANK INTERTING	1-15-13	COMPLETED
✓	UNDERGROUND TANK ROUGH	1-15-13	JS
✓	UNDERGROUND TANK PIPING TESTS	NA	NA
✓	UNDERGROUND TANK FINAL	1-15-13	JS

INSPECTION INFORMATION

Preserve this record for your inspections. The approved plans and this card must always be available to the Inspector. No work shall be concealed without prior approval of the Inspector. Schedule appointments 72 hours in advance. A reinspection fee will be assessed when the work is not ready, approved plans not on job site, failure to provide access or undue delays.

A permit shall expire and become null and void if substantial work is not commenced within 180 days, or if the work is suspended or abandoned for a period of 180 days. If the work progressing but approaching the end of the 180 day period from last recorded date of inspection, a progress inspection must be obtained to keep permit active.

IMPAIRMENT NOTE

Fire Protection, Fire Life Safety, Egress as well as other required systems shall not be taken out of service or impaired in its normal functioning capabilities. All impairments shall be coordinated through Fire Prevention - Minimum 72 hours in advance. Contact (562) 570-2560.

INSPECTORS CHECKLIST

APPOINTMENT DATE AND TIME: 1/15/2013, 8:00 AM

Prior to Starting Work and Arrival of Inspector:

1. Fence, barriers, colored tape around work area
2. Two (2) fire extinguishers, minimum 2A – 20BC
3. Posted "No Smoking" signs
4. Draft product _____ Manifest with amount _____
5. DEGAS _____ Removal dispenser(s) _____

} NA

1-15-13
1-15-13
1-15-13

Arrival of Inspector:

1. Dry ice tank(s) Method #1-Hazardous (22 lbs per 1000 gallon minimum)
2. Dry ice tank(s) Method #2-Clean (22 lbs per 1000 gallon minimum)

NA { _____

Two Hours Later – Return of Inspector:

1. LEL and oxygen meters (tag-dated calibration within 90 days)
2. Oxygen at 5% or lower
3. Permission to break ground _____ Time _____

NA { _____

After Ground Breaking:

1. Disconnect all associated underground piping
2. Tank(s) cut and triple rinsed (Method #2)
3. Marine Chemist or Industrial Hygienist certification (Method #2)

1-15-13
1-15-13
NA

Moving Tanks – Witnessed by Inspector:

1. Remove tank(s) as hazardous waste (Method #1) or certified clean (Method #2)
2. Inspect tank(s) for holes, cracks, etc.
3. Remove all soil from tank(s) – using non-sparking equipment
4. Load on truck(s) and strap down
5. Collect tank(s) manifest and deliver to Inspector _____ and driver hauling tank(s)

1-15-13 { _____

Soil Sampling – Witnessed by Inspector:

1. Soil samples taken and location noted on site map
2. Brass sleeves or glass jars with a Teflon sealer only
3. Health Department evidence tape on soil samples
4. Put on ice immediately

1-15-13
1-15-13
1-15-13
1-15-13

Before Leaving Site:

1. Cover spoils pile (contaminated soil) with securely anchored heavy-duty plastic sheets
2. Six foot (6') fence around excavation _____ or;
3. Line contaminated excavation with heavy duty plastic sheets _____ and;
4. Backfill immediately with clean fill dirt

1-15-13
1-15-13
1-15-13

Required Paperwork:

1. Copy of hazardous waste manifest for residual product
2. Copy of hazardous waste manifest for rinseate
3. Copy of Marine Chemist or Certified Industrial Hygienist Certification

CHAIN OF CUSTODY RECORD

[illegible]

Remove your new Pocket Certificate
from the receipt portion and carry
it with you at all times.

Board for Professional Engineers and Land Surveyors
2535 Capitol Oaks Drive, Suite 300
Sacramento, CA 95833-2944
916 263-2222

/18/11
/18/11

CUT HERE

CUT HERE



BOARD FOR PROFESSIONAL
ENGINEERS AND LAND SURVEYORS
2535 CAPITOL OAKS DRIVE, SUITE 300
SACRAMENTO, CA 95833-2944
916 263-2222



CUT HERE

IMPORTANT

1. Please include your Certificate Number on any correspondence to this office.
2. Notify the Board of any name or address change in writing.
3. Report any loss of this Certificate immediately in writing to the Board.
4. Please sign and carry the Pocket Certificate with you.
5. Please laminate your Certificate to avoid deterioration.

KEVIN W. GREEN

PROFESSIONAL GEOLOGIST

CERTIFICATE NO.

5906

KEVIN W. GREEN
16301 DUCHESS LANE
HUNTINGTON BEACH CA 92647

EXPIRATION

03/31/13

Signature

RECEIPT NO.

10470001

CERTIFICATE NO.

5906

EXPIRATION DATE

03/31/13

RECEIPT NO.

10470001

This is your receipt. Please save for your records.

PGGEO 03/24/10

Kevin W. Green, P.G., R.E.A.
Vice President

SCS ENGINEERS

Environmental Consultants
and Contractors

3900 Kilroy Airport Way, Suite 100
Long Beach, CA 90806-6816
562 426-9544
Cell 714 458-9403
Fax 562 427-0805
kgreen@scsengineers.com
www.scsengineers.com





PHONE: (310) 830-1570
FAX: (310) 830-1892
moinebros@sbcglobal.net

MOINE BROS.
CONTRACTORS LIC. NO 849229
Underground and Aboveground Fuel Tanks

GEORGE LAWSON
Construction Manager

521 EAST "D" STREET
WILMINGTON, CA 90744

Kevin W. Green, P.G., R.E.A.
Vice President

SCS ENGINEERS

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kgreen@scsengineers.com
www.scsengineers.com



The City of Long Beach

ARTHUR COX
Superintendent

Department of Public Works
Public Service Bureau / Street Operations
1651 San Francisco Avenue, Long Beach, California 90813
Telephone: 562-570-2784 FAX 562-570-2819
E-Mail: Arthur.Cox@longbeach.gov
www.longbeach.gov

APPENDIX B

LABORATORY REPORT

CHEMTEK ENVIRONMENTAL LABORATORIES INC.

"An environment-friendly company"

13554 Larwin Circle, Santa Fe Springs, CA 90670

Tel. (562) 926-9848 FAX (562) 926-8324

CA Dept of Health Accredited. (ELAP No. 1435)

CERTIFICATE OF ANALYSIS

Job No. 301046

Date: 01-22-13

This is the Certificate of Analysis for the following samples:

Client : SCS Engineers
Contact person : Aaron Garrett
Project # : 01212361.00
Project Site : Former LB Public Service Yard
1725 San Francisco Ave, LB
Date of sample : 01-15-13
Date received : 01-15-13
Number of samples : 4
Sample matrix : soil

Samples were labeled as follows

<u>SAMPLE IDENTIFICATION</u>	<u>DATE SAMPLED</u>	<u>LABORATORY NUMBER</u>
PC1-6	01/15/13	301046-01A
PC-SP	01/15/13	301046-02A
WC1-6	01/15/13	301046-03A
WC-SP	01/15/13	301046-04A

Reviewed and Approved:



Michael C.C. Lu
Laboratory Director

**CHEMTEK ENVIRONMENTAL LAB.
LABORATORY ANALYSIS REPORT**

Client : SCS Engineers
Project : Former LB Public Service Yard

Job No. : 301046

Date: 01-22-13

Analysis: EPA 8260B(Volatile Organics by GC-MS) Unit: µg/kg or ppb

Sample ID : PC1-6 **Sample date** : 01-15-13
Sample matrix : soil **Analysis date** : 01-16-13
Dilution Factor : 0.8

Compound	Result	DLR	Compound	Result	DLR
Benzene	2	0.8	trans-1,3-Dichloropropene	ND	0.8
Bromobenzene	ND	0.8	Ethylbenzene	ND	0.8
Bromochloromethane	ND	0.8	Hexachlorobutadiene	ND	0.8
Bromoform	ND	0.8	Isopropylbenzene	ND	0.8
Bromomethane	ND	0.8	4-Isopropyltoluene	ND	0.8
n-Butylbenzene	ND	0.8	Methylene Chloride	ND	4
sec-Butylbenzene	ND	0.8	Naphthalene	ND	0.8
tert-Butylbenzene	ND	0.8	n-propylbenzene	ND	0.8
Carbon Tetrachloride	ND	0.8	Styrene	ND	0.8
Chlorobenzene	ND	0.8	1,1,1,2-Tetrachloroethane	ND	0.8
Chloroethane	ND	0.8	1,1,2,2-Tetrachloroethane	ND	0.8
Chloroform	ND	0.8	Tetrachloroethene(PCE)	ND	0.8
Chloromethane	ND	0.8	Toluene	1	0.8
2-Chlorotoluene	ND	0.8	1,2,3-Trichlorobenzene	ND	0.8
4-Chlorotoluene	ND	0.8	1,2,4-Trichlorobenzene	ND	0.8
2-Chloroethyl vinyl ether	ND	1.6	1,1,1-Trichloroethane	ND	0.8
Dibromochloromethane	ND	0.8	1,1,2-Trichloroethane	ND	0.8
1,2-Dibromo-3-chloropropane	ND	0.8	Trichloroethene(TCE)	ND	0.8
1,2-Dibromoethane (EDB)	ND	0.8	Trichlorofluoromethane	ND	0.8
Dibromomethane	ND	0.8	1,2,3-Trichloropropane	ND	0.8
1,2-Dichlorobenzene	ND	0.8	1,2,4-Trimethylbenzene	ND	0.8
1,3-Dichlorobenzene	ND	0.8	1,3,5-Trimethylbenzene	ND	0.8
1,4-Dichlorobenzene	ND	0.8	Vinyl Chloride	ND	0.8
Dichlorodifluoromethane	ND	0.8	Total Xylenes	ND	1.6
1,1-Dichloroethane	ND	0.8	Ethanol	ND	200
1,2-Dichloroethane	ND	0.8	MTBE	ND	0.8
1,1-Dichloroethene	ND	0.8	ETBE	ND	0.8
cis-1,2 Dichloroethene	ND	0.8	DIPE	ND	0.8
Trans-1,2-Dichloroethene	ND	0.8	TAME	ND	0.8
1,2-Dichloropropane	ND	0.8	TBA	ND	16
1,3-Dichloropropane	ND	0.8	MEK	ND	8
2,2-Dichloropropane	ND	0.8	MIBK	ND	8
1,1-Dichloropropene	ND	0.8	2-Hexanone	ND	8
Cis-1,3-Dichloropropene	ND	0.8	Acetone	32	32

ND : NOT DETECTED BELOW DLR

DLR: DETECTION LIMIT FOR REPORTING PURPOSES

* : Estimated Value only (j flag) - below the Reporting limit and above the Method Detection Limit

**CHEMTEK ENVIRONMENTAL LAB.
LABORATORY ANALYSIS REPORT**

Client : SCS Engineers
Project : Former LB Public Service Yard

Job No. : 301046

Date: 01-22-13

Analysis: EPA 8260B(Volatile Organics by GC-MS) Unit: µg/kg or ppb

Sample ID : PC-SP **Sample date** : 01-15-13
Sample matrix : soil **Analysis date** : 01-16-13
Dilution Factor : 0.8

Compound	Result	DLR	Compound	Result	DLR
Benzene	2	0.8	trans-1,3-Dichloropropene	ND	0.8
Bromobenzene	ND	0.8	Ethylbenzene	ND	0.8
Bromochloromethane	ND	0.8	Hexachlorobutadiene	ND	0.8
Bromoform	ND	0.8	Isopropylbenzene	ND	0.8
Bromomethane	ND	0.8	4-Isopropyltoluene	ND	0.8
n-Butylbenzene	ND	0.8	Methylene Chloride	ND	4
sec-Butylbenzene	ND	0.8	Naphthalene	ND	0.8
tert-Butylbenzene	ND	0.8	n-propylbenzene	ND	0.8
Carbon Tetrachloride	ND	0.8	Styrene	ND	0.8
Chlorobenzene	ND	0.8	1,1,1,2-Tetrachloroethane	ND	0.8
Chloroethane	ND	0.8	1,1,2,2-Tetrachloroethane	ND	0.8
Chloroform	ND	0.8	Tetrachloroethene(PCE)	ND	0.8
Chloromethane	ND	0.8	Toluene	0.9	0.8
2-Chlorotoluene	ND	0.8	1,2,3-Trichlorobenzene	ND	0.8
4-Chlorotoluene	ND	0.8	1,2,4-Trichlorobenzene	ND	0.8
2-Chloroethyl vinyl ether	ND	1.6	1,1,1-Trichloroethane	ND	0.8
Dibromochloromethane	ND	0.8	1,1,2-Trichloroethane	ND	0.8
1,2-Dibromo-3-chloropropane	ND	0.8	Trichloroethene(TCE)	ND	0.8
1,2-Dibromoethane (EDB)	ND	0.8	Trichlorofluoromethane	ND	0.8
Dibromomethane	ND	0.8	1,2,3-Trichloropropane	ND	0.8
1,2-Dichlorobenzene	ND	0.8	1,2,4-Trimethylbenzene	ND	0.8
1,3-Dichlorobenzene	ND	0.8	1,3,5-Trimethylbenzene	ND	0.8
1,4-Dichlorobenzene	ND	0.8	Vinyl Chloride	ND	0.8
Dichlorodifluoromethane	ND	0.8	Total Xylenes	ND	1.6
1,1-Dichloroethane	ND	0.8	Ethanol	ND	200
1,2-Dichloroethane	ND	0.8	MTBE	ND	0.8
1,1-Dichloroethene	ND	0.8	ETBE	ND	0.8
cis-1,2 Dichloroethene	ND	0.8	DIPE	ND	0.8
Trans-1,2-Dichloroethene	ND	0.8	TAME	ND	0.8
1,2-Dichloropropane	ND	0.8	TBA	ND	16
1,3-Dichloropropane	ND	0.8	MEK	9	8
2,2-Dichloropropane	ND	0.8	MIBK	ND	8
1,1-Dichloropropene	ND	0.8	2-Hexanone	ND	8
Cis-1,3-Dichloropropene	ND	0.8	Acetone	35	32

ND : NOT DETECTED BELOW DLR

DLR: DETECTION LIMIT FOR REPORTING PURPOSES

* : Estimated Value only (j flag) - below the Reporting limit and above the Method Detection Limit

**CHEMTEK ENVIRONMENTAL LAB.
LABORATORY ANALYSIS REPORT**

Client : SCS Engineers
Project : Former LB Public Service Yard

Job No. : 301046

Date: 01-22-13

Analysis: EPA 8260B(Volatile Organics by GC-MS) Unit: µg/kg or ppb

Sample ID : WC1-6 **Sample date** : 01-15-13
Sample matrix : soil **Analysis date** : 01-16-13
Dilution Factor : 0.6

Compound	Result	DLR	Compound	Result	DLR
Benzene	3	0.6	trans-1,3-Dichloropropene	ND	0.6
Bromobenzene	ND	0.6	Ethylbenzene	ND	0.6
Bromochloromethane	ND	0.6	Hexachlorobutadiene	ND	0.6
Bromoform	ND	0.6	Isopropylbenzene	ND	0.6
Bromomethane	ND	0.6	4-Isopropyltoluene	ND	0.6
n-Butylbenzene	ND	0.6	Methylene Chloride	ND	3
sec-Butylbenzene	ND	0.6	Naphthalene	ND	0.6
tert-Butylbenzene	ND	0.6	n-propylbenzene	ND	0.6
Carbon Tetrachloride	ND	0.6	Styrene	ND	0.6
Chlorobenzene	ND	0.6	1,1,1,2-Tetrachloroethane	ND	0.6
Chloroethane	ND	0.6	1,1,2,2-Tetrachloroethane	ND	0.6
Chloroform	ND	0.6	Tetrachloroethene(PCE)	ND	0.6
Chloromethane	ND	0.6	Toluene	1	0.6
2-Chlorotoluene	ND	0.6	1,2,3-Trichlorobenzene	ND	0.6
4-Chlorotoluene	ND	0.6	1,2,4-Trichlorobenzene	ND	0.6
2-Chloroethyl vinyl ether	ND	1.2	1,1,1-Trichloroethane	ND	0.6
Dibromochloromethane	ND	0.6	1,1,2-Trichloroethane	ND	0.6
1,2-Dibromo-3-chloropropane	ND	0.6	Trichloroethene(TCE)	ND	0.6
1,2-Dibromoethane (EDB)	ND	0.6	Trichlorofluoromethane	ND	0.6
Dibromomethane	ND	0.6	1,2,3-Trichloropropane	ND	0.6
1,2-Dichlorobenzene	ND	0.6	1,2,4-Trimethylbenzene	ND	0.6
1,3-Dichlorobenzene	ND	0.6	1,3,5-Trimethylbenzene	ND	0.6
1,4-Dichlorobenzene	ND	0.6	Vinyl Chloride	ND	0.6
Dichlorodifluoromethane	ND	0.6	Total Xylenes	ND	1.2
1,1-Dichloroethane	ND	0.6	Ethanol	ND	150
1,2-Dichloroethane	ND	0.6	MTBE	ND	0.6
1,1-Dichloroethene	ND	0.6	ETBE	ND	0.6
cis-1,2 Dichloroethene	ND	0.6	DIPE	ND	0.6
Trans-1,2-Dichloroethene	ND	0.6	TAME	ND	0.6
1,2-Dichloropropane	ND	0.6	TBA	ND	12
1,3-Dichloropropane	ND	0.6	MEK	ND	6
2,2-Dichloropropane	ND	0.6	MIBK	ND	6
1,1-Dichloropropene	ND	0.6	2-Hexanone	ND	6
Cis-1,3-Dichloropropene	ND	0.6	Acetone	ND	24

ND : NOT DETECTED BELOW DLR

DLR: DETECTION LIMIT FOR REPORTING PURPOSES

* : Estimated Value only (j flag) - below the Reporting limit and above the Method Detection Limit

**CHEMTEK ENVIRONMENTAL LAB.
LABORATORY ANALYSIS REPORT**

Client : SCS Engineers
Project : Former LB Public Service Yard

Job No. : 301046

Date: 01-22-13

Analysis: EPA 8260B(Volatile Organics by GC-MS) Unit: µg/kg or ppb

Sample ID : WC-SP **Sample date** : 01-15-13
Sample matrix : soil **Analysis date** : 01-16-13
Dilution Factor : 0.8

Compound	Result	DLR	Compound	Result	DLR
Benzene	2	0.8	trans-1,3-Dichloropropene	ND	0.8
Bromobenzene	ND	0.8	Ethylbenzene	ND	0.8
Bromochloromethane	ND	0.8	Hexachlorobutadiene	ND	0.8
Bromoform	ND	0.8	Isopropylbenzene	ND	0.8
Bromomethane	ND	0.8	4-Isopropyltoluene	ND	0.8
n-Butylbenzene	ND	0.8	Methylene Chloride	ND	4
sec-Butylbenzene	ND	0.8	Naphthalene	ND	0.8
tert-Butylbenzene	ND	0.8	n-propylbenzene	ND	0.8
Carbon Tetrachloride	ND	0.8	Styrene	ND	0.8
Chlorobenzene	ND	0.8	1,1,1,2-Tetrachloroethane	ND	0.8
Chloroethane	ND	0.8	1,1,2,2-Tetrachloroethane	ND	0.8
Chloroform	ND	0.8	Tetrachloroethene(PCE)	ND	0.8
Chloromethane	ND	0.8	Toluene	1	0.8
2-Chlorotoluene	ND	0.8	1,2,3-Trichlorobenzene	ND	0.8
4-Chlorotoluene	ND	0.8	1,2,4-Trichlorobenzene	ND	0.8
2-Chloroethyl vinyl ether	ND	1.6	1,1,1-Trichloroethane	ND	0.8
Dibromochloromethane	ND	0.8	1,1,2-Trichloroethane	ND	0.8
1,2-Dibromo-3-chloropropane	ND	0.8	Trichloroethene(TCE)	ND	0.8
1,2-Dibromoethane (EDB)	ND	0.8	Trichlorofluoromethane	ND	0.8
Dibromomethane	ND	0.8	1,2,3-Trichloropropane	ND	0.8
1,2-Dichlorobenzene	ND	0.8	1,2,4-Trimethylbenzene	ND	0.8
1,3-Dichlorobenzene	ND	0.8	1,3,5-Trimethylbenzene	ND	0.8
1,4-Dichlorobenzene	ND	0.8	Vinyl Chloride	ND	0.8
Dichlorodifluoromethane	ND	0.8	Total Xylenes	ND	1.6
1,1-Dichloroethane	ND	0.8	Ethanol	ND	200
1,2-Dichloroethane	ND	0.8	MTBE	ND	0.8
1,1-Dichloroethene	ND	0.8	ETBE	ND	0.8
cis-1,2 Dichloroethene	ND	0.8	DIPE	ND	0.8
Trans-1,2-Dichloroethene	ND	0.8	TAME	ND	0.8
1,2-Dichloropropane	ND	0.8	TBA	ND	16
1,3-Dichloropropane	ND	0.8	MEK	ND	8
2,2-Dichloropropane	ND	0.8	MIBK	ND	8
1,1-Dichloropropene	ND	0.8	2-Hexanone	ND	8
Cis-1,3-Dichloropropene	ND	0.8	Acetone	27*	32

ND : NOT DETECTED BELOW DLR

DLR: DETECTION LIMIT FOR REPORTING PURPOSES

* : Estimated Value only (j flag) - below the Reporting limit and above the Method Detection Limit

CHEMTEK ENVIRONMENTAL LAB.
LABORATORY ANALYSIS REPORT

Client : SCS Engineers
Project : Former LB Public Service Yard

Job No. : 301046 Date: 01-22-13

Analysis: EPA 8015M (TPH Gas range, Diesel range, Oil range) Unit: mg/kg or ppm

Sample ID : See below Sample date : 01-15-13
Sample matrix : soil Analysis date : 01-16/18-13

Sample	C4-C12	DF	DLR	C13-C22	DF	DLR	C23-C36	DF	DLR
PC1-6	ND	1	0.2	ND	1	5.0	ND	1	10
PC-SP	ND	1	0.2	ND	1	5.0	ND	1	10
WC1-6	ND	1	0.2	ND	1	5.0	ND	1	10
WC-SP	ND	1	0.2	ND	1	5.0	ND	1	10

ND : NOT DETECTED BELOW DLR
DLR: DETECTION LIMIT FOR REPORTING PURPOSES

**CHEMTEK ENVIRONMENTAL LAB.
LABORATORY ANALYSIS REPORT**

Client : SCS Engineers
Project : Former LB Public Service Yard

Job No. : 301046

Date: 01-22-13

Analysis : TTLC Metals (Title 22)
Method : AA Flame (EPA 7000 series)
Reporting Unit: mg/kg or ppm

Sample ID : see below
Sample type : soil
Sample date : 01-15-13
Analysis date: 01-17-13

Element	Sample ID				Detection Limit
	PC1-6	PC-SP	WC1-6	WC-SP	mg/Kg
Antimony	ND	ND	ND	ND	1.00
Arsenic	ND	ND	ND	ND	0.50
Barium	168	227	260	174	1.00
Beryllium	ND	ND	ND	ND	0.50
Cadmium	ND	ND	ND	ND	0.50
Chromium	29.0	31.5	41.5	18.9	0.50
Cobalt	13.3	12.7	20.8	4.5	0.50
Copper	28.5	43.6	57.5	78.6	0.50
Lead	4.4	173	8.9	631	0.50
Mercury	ND	ND	ND	ND	0.05
Molybdenum	ND	ND	ND	ND	0.50
Nickel	18.8	17.0	26.8	9.8	0.50
Selenium	ND	ND	ND	ND	0.50
Silver	ND	ND	ND	ND	0.50
Thallium	ND	ND	ND	ND	1.00
Vanadium	49.9	54.5	78.2	26.0	1.00
Zinc	66.8	202	107	565	5.00

TTLC: Total Threshold Limit Concentration
ND : Not detected at specified limit

CHEMTEK ENVIRONMENTAL LAB.
LABORATORY ANALYSIS REPORT

QA/QC REPORT

EPA 8260B
Unit: µg/kg

Job No. : 301046
Lab Sample ID : 301048-03A
Date Performed : 01-16-13

Analyte	Blk Res	%MS	%MSD	RPD	ACC
1,1-Dichloroethene	ND	110.4	115.6	4.6%	0-30
Benzene	ND	103.6	109.0	5.1%	0-30
Trichloroethylene	ND	96.6	104.4	7.8%	0-30
Toluene	ND	121.4	129.2	6.2%	0-30
Chlorobenzene	ND	115.8	125.0	7.6%	0-30

QA/QC REPORT

EPA 8015M (TPH GRO)
Unit: ppm or mg/kg

Job No. : 301046
Lab Sample ID : 301048-02A
Date Performed : 01-16-13

Analyte	Blk Result	%MS	%MSD	RPD	ACC
GRO (TPH)	ND	89.3	98.8	10.1%	0-30

EPA 8015M (TPH DRO)
Unit: ppm or mg/kg

Job No. : 301046
Lab Sample ID : 301046-12A
Date Performed : 01-18-13

Analyte	Blk Result	%MS	%MSD	RPD	ACC
DRO (TPH)	ND	125.0	115.4	8.0%	0-30

%MS = % Matrix Spike Recovery *(Control Limits = 70% - 130%)
%MSD = % Matrix Spike Duplicate Recovery *(Control Limits = 70% - 130%)
RPD = Relative Percent Difference
ACC = Acceptance Control Criteria Limits

CHEMTEK ENVIRONMENTAL LAB.
LABORATORY ANALYSIS REPORT

QA/QC REPORT

EPA 7000
Unit: mg/kg

Job No. : 301046
Lab Sample ID : 301046-01A
Date Performed : 01-17-13

Analyte	%MS	%MSD	RPD	ACC
Antimony	101.0	101.0	0.0%	0-30
Arsenic	99.0	103.4	4.3%	0-30
Barium	100.5	102.9	2.4%	0-30
Beryllium	99.0	97.6	1.4%	0-30
Cadmium	101.9	100.5	1.4%	0-30
Chromium	104.0	100.4	3.5%	0-30
Cobalt	101.7	102.1	0.4%	0-30
Copper	102.5	98.3	4.2%	0-30
Lead	103.0	103.9	0.9%	0-30
Molybdenum	98.9	97.6	1.3%	0-30
Nickel	103.7	107.0	3.1%	0-30
Selenium	105.5	104.0	1.4%	0-30
Silver	98.5	95.0	3.6%	0-30
Thallium	111.0	119.0	7.0%	0-30
Vandium	102.6	97.00	5.6%	0-30
Zinc	109.0	105.9	2.9%	0-30

%MS = % Matrix Spike Recovery *(Control Limits = 70% - 130%)
%MSD = % Matrix Spike Duplicate Recovery *(Control Limits = 70% - 130%)
RPD = Relative Percent Difference
ACC = Acceptance Control Criteria Limits

301046

FORM NO. 107 REV. 3/07 TWIN CONCEPTS

APPENDIX C

NON-HAZARDOUS WASTE MANIFEST

Manifest

SOIL SAFE OF CA - TPST

Non-Hazardous Soils

Date of Shipment:		Responsible for Payment:		Transport Truck #:		Facility #:		Approval Number:		Load #	
		SCS ENGINEERS						40513			
Generator's Name and Billing Address: City of Long Beach 1725 San Francisco Avenue Long Beach, CA						Generator's Phone #:					
						Person to Contact:					
						FAX#:		Customer Account Number			
Consultant's Name and Billing Address: SCS Engineers 3900 Kilroy Airport Way Ste 100 Long Beach, CA 90806						Consultant's Phone #:		909-579-7597			
						Person to Contact:		Greg Myers			
						FAX#:		909-476-2408			
Generation Site (Transport from): (name & address) City of Long Beach 1725 San Francisco Avenue Long Beach, CA						Site Phone #:					
						Person to Contact:					
						FAX#:					
Designated Facility (Transport to): (name & address) Soil Safe 12328 Hibiscuss Adelanto CA 92301						Facility Phone #:		760-246-8001			
						Person to Contact:		Dellena Jefferey			
						FAX#:		760-246-8004			
Transporter Name and Mailing Address: K-VAC Environmental, Inc. 8910 Rochester Avenue Rancho Cucamonga CA 91730						Transporter's Phone #:		909-476-2308			
						Person to Contact:		Diana Knifer			
						FAX#:		909-476-2408			
Description of Soil		Moisture Content		Contaminated by:		Approx. Qty:		Description of Delivery		Gross Weight	
Sand ☐ Organic ☐ Clay ☐ Other ☐		0 - 10% ☐ 10 - 20% ☐ 20% - over ☐		Gas ☐ Diesel ☐ Other ☐		1		SS GDM		4000	
Sand ☐ Organic ☐ Clay ☐ Other ☐		0 - 10% ☐ 10 - 20% ☐ 20% - over ☐		Gas ☐ Diesel ☐ Other ☐							
List any exception to items listed above:											
Scale Ticket #											
Generator's and/or consultant's certification: I/We certify that the soil referenced herein is taken entirely from those soils described in the Soil Data Sheet completed and certified by me/us for the Generation Site shown above and nothing has been added or done to such soil that would alter it in any way.											
Print or Type Name: Generator ☐ Consultant ☐ Signature and date: <i>[Signature]</i> Month: 2 Day: 4 Year: 13 <i>Sign on behalf of Cst</i>											
Transporter's certification: I/We acknowledge receipt of the soil referenced above and certify that such soil is being delivered in exactly the same condition as when received. I/We further certify that the soil is being directly transported from the Generation Site to the Designated Facility without off-loading, adding to, subtracting from or in any way delaying delivery to such site.											
Print or Type Name: Antonio Esparizu Signature and date: <i>[Signature]</i> Month: 2 Day: 4 Year: 13											
Discrepancies:											
Recycling Facility certifies the receipt of the soil covered by this manifest except as noted above:											
Print or Type Name: J. Provansal / D. Jefferey Signature and date:											

Generator and/or Consultant

Transporter

Recycling Facility

**NON-HAZARDOUS
WASTE MANIFEST**

1. Generator ID Number

2. Page 1 of 1

3. Emergency Response Phone

4. Waste Tracking Number

909-476-2308

TPH-4038

5. Generator's Name and Mailing Address
City of Long Beach
1725 San Francisco Avenue
Long Beach, CA

Generator's Site Address (if different than mailing address)

Generator's Phone:

6. Transporter 1 Company Name

KVAC Environmental Services, Inc.

U.S. EPA ID Number

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

K-Pure Waterworks, Inc.
8910 Rochester Ave.
Rancho Cucamonga CA.

U.S. EPA ID Number

Facility's Phone: 909-476-2308

9. Waste Shipping Name and Description

10. Containers

No.

Type

11. Total
Quantity

12. Unit
Wt./Vol.

1. Non-Hazardous waste, liquid

2

DM

110

G

13. Special Handling Instructions and Additional Information

Profile #

Work Order # TPH4038

Date: 02/04/2013

Wear appropriate protective clothing

24 hour emergency contact phone number: K-Vac Environmental (909) 476-2308

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Officer's Printed/Typed Name

Signature

Month Day Year

Sign on behalf of cust

Signature

Month Day Year

15. International Shipments

☐ Import to U.S.

☐ Export from U.S.

Port of entry/exit:

Date leaving U.S.:

Transporter Signature (for exports only):

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Signature

Month Day Year

Antonio ESPINOSA

Signature

Month Day Year

Transporter 2 Printed/Typed Name

Signature

Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space

☐ Quantity

☐ Type

☐ Residue

☐ Partial Rejection

☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)

U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)

Month Day Year

18. Designated Facility Owner or Operator. Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name

Signature

Month Day Year

Miguel Valdivinos

Signature

Month Day Year

02/04/13

DESIGNATED FACILITY TO GENERATOR

APPENDIX D
CERTIFICATE OF DISPOSAL



MOINE BROS.

CONTRACTORS LIC. NO. 343468

CERTIFICATE OF DISPOSAL

On this 15TH day of JANUARY (month), 20 13, non-hazardous materials as described below were accepted by Moine Bros. and were processed for disposal (recycling) in a safe and legal manner according to standard practices.

Description:

TWO EACH 50-GALLON STEEL SUMPS AND TWO EACH
15-GALLON STEEL CATCH BASINS.

Source:

(2) CLARIFIERS REMOVAL, 1445/1725 SAN FRANCISCO AVE.,
LONG BEACH, CA 90813

Moine Bros.

1/15/13

Date

SCS ENGINEERS

May 9, 2013
Project No. 01212361.00

Via email (Richard.Anthony@longbeach.gov)

Mr. Richard Anthony
The City of Long Beach
333 W. Ocean Blvd
Long Beach, CA 90802
(562) 570-5282

**Subject: Summary of Site Characterization Activities and Analytical Data
Former Long Beach Public Service Yard
1725 San Francisco Avenue, Long Beach, California (the "Property")**

Dear Mr. Anthony:

SCS Engineers is providing this letter to describe site characterization activities recently conducted at the Former Long Beach Public Service Yard as a part of the proposed redevelopment of the Property by Alere Property Group LLC. Upon completion of clearing and grubbing the Property, SCS conducted two days of field activities (April 24 and 25, 2013), to assess the extent of lead-impacted soils onsite. On April 24, 2013, SCS used an X-Ray fluorescence (XRF) analyzer to screen surface soils in the field for lead concentrations. Nine soil samples were also collected for analysis at a fixed laboratory (Chemtek Environmental Laboratories, Inc.) to confirm and compare the results with the XRF screening data. Analytical results showed good correlation between the XRF as a screening tool and laboratory analytical results (enclosed Chemtek report dated April 25, 2013). The XRF screening and laboratory results for April 24 showed surface soils were generally "clean," with only a few sporadic areas with lead concentrations above the remediation cleanup goal of 320 parts per million (ppm) lead.

On April 25, 2013, SCS was onsite with two XRF analyzers and an excavator and operator provided by Boberg Engineering & Contracting, Inc. An initial excavation near the southern property line identified a layer of debris with apparent burn ash, between the "clean" surface soils and native soils (at about street elevation), that contained concentrations of lead up to several thousand ppm or more. To determine the extent of this debris and ash layer, nineteen test pits were subsequently excavated across the Property to determine if buried debris was present, thickness of the debris layer, and relative thickness of the cover soil. Excavation of the test pits determined that the debris/ash layer occurs across the Property ranging in thickness from approximately 2 feet near the southeast corner to approximately 10.5 feet near the northwest corner of the Property. Figure 2 (enclosed) provides an isopach map showing the approximate location and thickness of the debris/ash layer with elevated lead concentrations on the Property, based on observations and XRF screening from the 19 test pits. Our calculations show that this debris/ash layer totals approximately 40,000 cubic yards of material, or approximately 60,000 tons.

In order to further characterize the nature of the impacted soil for evaluation of disposal options (i.e., non-hazardous, California hazardous, or RCRA hazardous), the debris and impacted soil from the initial excavation and 19 test pits was segregated and loaded into a truck and transported to a location at the northwest portion of the Property for stockpiling. Two composite samples were collected from this stockpile (one from the north end [SP-North Comp] and one from the south end [SP-South Comp]). These stockpile samples were collected by grabbing discrete sub-samples from numerous locations and placing them into a baggie to be well mixed and then placed into a jar for submittal to the laboratory for analysis of CCR Title 22 metals, total petroleum hydrocarbons (TPH), and volatile organic compounds. Based on the initial lab results, additional analyses were conducted for soluble lead concentrations using two methods – the California Waste Extraction Test (WET, for comparison to the Soluble Threshold Limit Concentration [STLC]) and the federal Toxicity Characteristic Leaching Procedure (TCLP), and soluble zinc concentrations using the WET method. The results of these analyses are provided in the enclosed Chemtek report dated April 29, 2013. To summarize, the results of these analyses showed:

- No detectable concentrations of volatile organic compounds;
- TPH concentrations up to 28.3 and 156 milligrams per kilogram (mg/kg, equal to ppm) in the diesel and heavy range, respectively;
- Total lead concentrations of 1,210 and 1,110 mg/kg;
- Soluble lead concentrations using the WET method of 76.5 and 65.2 milligrams per liter (mg/l), above the STLC of 5 mg/l;
- Soluble lead concentrations using the TCLP method of 1.41 and 1.48 mg/l, below the limit of 5 mg/l; and
- A soluble zinc concentration of 130 mg/l, below its STLC of 250 mg/l.

These results show that there is a layer of debris and ash buried throughout most of the Property, totaling approximately 40,000 cubic yards, that would be classified as a California hazardous waste for the purposes of disposal. The stockpiled soil containing debris and ash was placed on and has been covered with Visqueen plastic until further notice.

Please call either of the undersigned at (562) 426-9544 if you have any questions.

Regards,

DRAFT

Ashley P. Hutchens
Project Manager
SCS ENGINEERS

DRAFT

Kevin W. Green, PG
Vice President
SCS ENGINEERS

Enclosures: Figure 2, Chemtek Laboratory Reports (April 25 and 29, 2013)

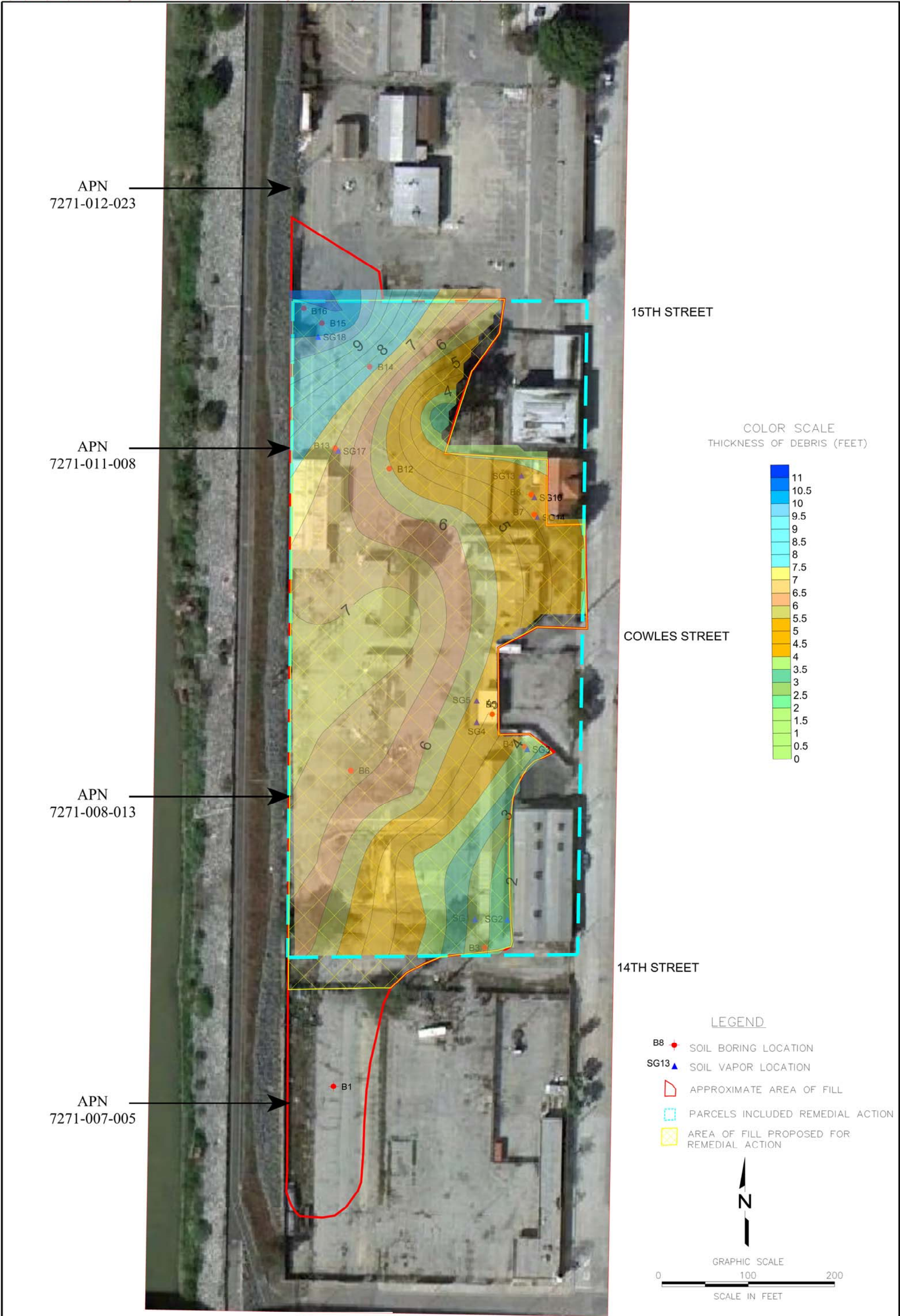


FIGURE 2	DRAWING NO.	SCALE: 1"=100'	DATE: APRIL 2013	SCS ENGINEERS ENVIRONMENTAL CONSULTANTS 3900 KILROY AIRPORT WAY, SUITE 100 LONG BEACH, CA 90806 PH. (562) 426-9544 FAX. (562) 427-0805			CLIENT: CITY OF LONG BEACH 333 WEST OCEAN BOULEVARD LONG BEACH, CA 90802	SHEET TITLE: ISOPACH SHOWING APPROXIMATE AREA OF EARTHQUAKE DEBRIS		NO. △ △ △ △ △ △	REVISION	DATE	
								PROJECT TITLE: FORMER LONG BEACH PUBLIC SERVICE YARD 6 PARCELS AT ANAHEIM ST. AND SAN FRANCISCO AVE.					
PROJ. NO. 01212361.00			DWN. BY: R. RAMIREZ	ACAD FILE: J/HW/2012									
DSN. BY: A. HUTCHENS			CHK. BY: A. HUTCHENS	APP. BY: A. HUTCHENS									

CHEMTEK ENVIRONMENTAL LABORATORIES INC.

"An environment-friendly company"

13554 Larwin Circle, Santa Fe Springs, CA 90670

Tel. (562) 926-9848 FAX (562) 926-8324

CA Dept of Health Accredited. (ELAP No. 1435)

CERTIFICATE OF ANALYSIS

Job No. 304083

Date 04-25-13

This is the Certificate of Analysis for the following samples:

Client : SCS Engineers
Contact person : Ashley Hutchens
Project # : 01212361.00
Project Site : Long Beach Public Service Yard
Date of sample : 04-24-13
Date received : 04-25-13
Number of samples : 9
Sample matrix : soil

SAMPLE IDENTIFICATION

DATE SAMPLED

LABORATORY NUMBER

D3-2b/c(0)	04/24/13	304083-01A
N3-2a(+3)	04/24/13	304083-02A
J2-4c(+3)	04/24/13	304083-03A
A2-4b(0)	04/24/13	304083-04A
E1-4b(0)	04/24/13	304083-05A
M2-1b(+3)	04/24/13	304083-06A
O3-4d(+3)	04/24/13	304083-07A
H2-4c(+3)	04/24/13	304083-08A
K1-3d(+3)	04/24/13	304083-09A

Reviewed and Approved:



Michael C.C. Lu
Laboratory Director

CHEMTEK ENVIRONMENTAL LAB.
LABORATORY ANALYSIS REPORT

Client : SCS Engineers
Project : Long Beach Public Service Yard

Job No. : 304083

Date: 04-25-13

Analysis : Lead (Pb)

Method : EPA 7420

Reporting Unit: mg/Kg or ppm

Sample ID : See below

Sample Date : 04/24/13

Sample type : soil

Analysis date: see below

Sample ID	Analysis Date		Lead (mg/Kg)
D3-2b/c(0)	04/25/13		532
N3-2a(+3)	04/25/13		388
J2-4c(+3)	04/25/13		819
A2-4b(0)	04/25/13		9.9
E1-4b(0)	04/25/13		19.6
M2-1b(+3)	04/25/13		204
O3-4d(+3)	04/25/13		576
H2-4c(+3)	04/25/13		459
K1-3d(+3)	04/25/13		355
Detection Limit			2.0

TTL: Total Threshold Limit Concentration
ND: Not detected at specified limit

CHEMTEK ENVIRONMENTAL LAB.
LABORATORY ANALYSIS REPORT

QA/QC REPORT

EPA 7000
Unit: mg/kg

Job No. : 304083
Lab Sample ID : 304083-04A
Date Performed : 04-25-13

Analyte	%MS	%MSD	RPD	ACC
Lead	97.5	94.7	2.9%	0-30

%MS = % Matrix Spike Recovery *(Control Limits = 70% - 130%)
%MSD = % Matrix Spike Duplicate Recovery *(Control Limits = 70% - 130%)
RPD = Relative Percent Difference
ACC = Acceptance Control Criteria Limits

CHAIN OF CUSTODY RECORD

304083

SCS ENGINEERS Environmental Consultants

3900 S. Hwy 101, Ste 100
 3711 Long Beach Blvd., Ninth Floor
 Long Beach, California 90807-9915 90806
 Phone: (562) 426-9544 Fax: (562) 427-0805

TOTAL NUMBER OF SAMPLES: 9

PAGE 1 OF 1
 TURNAROUND TIME REQUIRED:
 5-Day 3-Day Immediate Other

PROJECT MANAGER: Ashley Hutckens

W.O./S.O. #:

PROJECT LOCATION: Anaheim & San Francisco, Long Beach, CA

SAMPLER NAME AND SIGNATURE:

SPECIAL INSTRUCTIONS/COMMENTS

SAMPLE PRESERVATIVE

CONTAINER SIZE/TYPE

DATE/TIME COLLECTED

SAMPLE MATRIX

SAMPLE DESIGNATION

I.D. NUMBER

SPECIAL INSTRUCTIONS/COMMENTS

SAMPLE PRESERVATIVE

CONTAINER SIZE/TYPE

DATE/TIME COLLECTED

SAMPLE MATRIX

SAMPLE DESIGNATION

I.D. NUMBER

SPECIAL INSTRUCTIONS/COMMENTS

SAMPLE PRESERVATIVE

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I.D. NUMBER

SPECIAL INSTRUCTIONS/COMMENTS

SAMPLE PRESERVATIVE

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I.D. NUMBER

SPECIAL INSTRUCTIONS/COMMENTS

SAMPLE PRESERVATIVE

CONTAINER SIZE/TYPE

DATE/TIME COLLECTED

SAMPLE MATRIX

SAMPLE DESIGNATION

I.D. NUMBER

SPECIAL INSTRUCTIONS/COMMENTS

SAMPLE PRESERVATIVE

CONTAINER SIZE/TYPE

DATE/TIME COLLECTED

SAMPLE MATRIX

SAMPLE DESIGNATION

I.D. NUMBER

NOTES: All samples collected 4/24/2013

SAMPLE CONDITION UPON RECEIPT:

RELINQUISHED BY: J. R. Ryan
 COMPANY: SCS

DATE: 4/24/2013
 TIME: 7:15 PM

RECEIVED BY: J. R. Ryan
 COMPANY: SCS

DATE: 4/24/13
 TIME: 10:15

RELINQUISHED BY: J. R. Ryan
 COMPANY: SCS

RECEIVED BY: J. R. Ryan
 COMPANY: SCS

DATE: 4/25/13
 TIME: 10:00

CHEMTEK ENVIRONMENTAL LABORATORIES INC.

"An environment-friendly company"

13554 Larwin Circle, Santa Fe Springs, CA 90670

Tel. (562) 926-9848 FAX (562) 926-8324

CA Dept of Health Accredited. (ELAP No. 1435)

CERTIFICATE OF ANALYSIS

Job No. 304086

Date 04-29-13

This is the Certificate of Analysis for the following samples:

Client : SCS Engineers
Contact person : Ashley Hutchens
Project # : 01212361.00
Project Site : Long Beach Public Service Yard
Date of sample : 04-25-13
Date received : 04-25-13
Number of samples : 10
Sample matrix : soil

SAMPLE IDENTIFICATION

DATE SAMPLED

LABORATORY NUMBER

013-Exc.SP	04/25/13	304086-01A
06-Exc.SP	04/25/13	304086-02A
01-Exc.SP	04/25/13	304086-03A
F6-Exc.SP	04/25/13	304086-04A
K19-Exc.SP	04/25/13	304086-05A
E26-Sw(-1)	04/25/13	304086-06A
SP-North Comp	04/25/13	304086-07A
SP-South Comp	04/25/13	304086-08A
South SP(Grid E-15)	04/25/13	304086-09A
NE-SP(Grid C-22)	04/25/13	304086-10A

Reviewed and Approved:



Michael C.C. Lu
Laboratory Director

CHEMTEK ENVIRONMENTAL LAB.
LABORATORY ANALYSIS REPORT

Client : SCS Engineers
Project : Long Beach Public Service Yard

Job No. : 304086

Date: 04-29-13

Analysis : Lead (Pb)
Method : EPA 7420
Reporting Unit: mg/Kg or ppm

Sample ID : See below
Sample Date : 04/25/13
Sample type : soil
Analysis date: see below

Sample ID	Analysis Date		Lead (mg/Kg)
013-Exc.SP	04/25/13		294
06-Exc.SP	04/25/13		2790
01-Exc.SP	04/25/13		962
F6-Exc.SP	04/25/13		900
K19-Exc.SP	04/25/13		236
E26-Sw(-1)	04/25/13		2520
South SP(Grid E-15)	04/25/13		160
NE-SP(Grid C-22)	04/25/13		263
Detection Limit			2.0

TTL: Total Threshold Limit Concentration
ND: Not detected at specified limit

**CHEMTEK ENVIRONMENTAL LAB.
LABORATORY ANALYSIS REPORT**

Client : SCS Engineers
Project : Long Beach Public Service Yard

Job No. : 304086

Date: 04-29-13

Analysis : TTLT Metals (Title 22)
Method : AA Flame (EPA 7000 series)
Reporting Unit: mg/kg or ppm

Sample ID : see below
Sample type : soil
Sample date : 04-25-13
Analysis date: 04-25-13

Element	Sample ID				Detection Limit
	SP-North comp	SP-South comp			mg/Kg
Antimony	18.2	16.4			5.0
Arsenic	ND	ND			2.0
Barium	658	777			1.0
Beryllium	ND	ND			1.0
Cadmium	6.6	5.7			1.0
Chromium	35.8	36.0			1.0
Cobalt	10.7	10.1			1.0
Copper	222	186			1.0
Lead	1210	1110			2.0
Mercury	ND	ND			0.05
Molybdenum	ND	ND			2.0
Nickel	19.8	18.2			2.0
Selenium	ND	ND			2.0
Silver	ND	ND			1.0
Thallium	ND	ND			2.0
Vanadium	38.5	32.5			2.0
Zinc	2900	1670			5.0

TTLT: Total Threshold Limit Concentration
ND : Not detected at Detection Limit

**CHEMTEK ENVIRONMENTAL LAB.
LABORATORY ANALYSIS REPORT**

Client : SCS Engineers
Project : Long Beach Public Service Yard

Job No. : 304086

Date: 04-29-13

Analysis: EPA 8260B(Volatile Organics by GC-MS) Unit: µg/kg or ppb

Sample ID : SP-North Comp **Sample date** : 04-25-13
Sample matrix : soil **Analysis date** : 04-26-13
Dilution Factor : 1

Compound	Result	DLR	Compound	Result	DLR
Benzene	ND	1	trans-1,3-Dichloropropene	ND	1
Bromobenzene	ND	1	Ethylbenzene	ND	1
Bromochloromethane	ND	1	Hexachlorobutadiene	ND	1
Bromoform	ND	1	Isopropylbenzene	ND	1
Bromomethane	ND	1	4-Isopropyltoluene	ND	1
n-Butylbenzene	ND	1	Methylene Chloride	ND	5
sec-Butylbenzene	ND	1	Naphthalene	ND	1
tert-Butylbenzene	ND	1	n-propylbenzene	ND	1
Carbon Tetrachloride	ND	1	Styrene	ND	1
Chlorobenzene	ND	1	1,1,1,2-Tetrachloroethane	ND	1
Chloroethane	ND	1	1,1,2,2-Tetrachloroethane	ND	1
Chloroform	ND	1	Tetrachloroethene(PCE)	ND	1
Chloromethane	ND	1	Toluene	ND	1
2-Chlorotoluene	ND	1	1,2,3-Trichlorobenzene	ND	1
4-Chlorotoluene	ND	1	1,2,4-Trichlorobenzene	ND	1
2-Chloroethyl vinyl ether	ND	2	1,1,1-Trichloroethane	ND	1
Dibromochloromethane	ND	1	1,1,2-Trichloroethane	ND	1
1,2-Dibromo-3-chloropropane	ND	1	Trichloroethene(TCE)	ND	1
1,2-Dibromoethane (EDB)	ND	1	Trichlorofluoromethane	ND	1
Dibromomethane	ND	1	1,2,3-Trichloropropane	ND	1
1,2-Dichlorobenzene	ND	1	1,2,4-Trimethylbenzene	ND	1
1,3-Dichlorobenzene	ND	1	1,3,5-Trimethylbenzene	ND	1
1,4-Dichlorobenzene	ND	1	Vinyl Chloride	ND	1
Dichlorodifluoromethane	ND	1	Total Xylenes	ND	2
1,1-Dichloroethane	ND	1	Ethanol	ND	250
1,2-Dichloroethane	ND	1	MTBE	ND	1
1,1-Dichloroethene	ND	1	ETBE	ND	1
cis-1,2 Dichloroethene	ND	1	DIPE	ND	1
Trans-1,2-Dichloroethene	ND	1	TAME	ND	1
1,2-Dichloropropane	ND	1	TBA	ND	20
1,3-Dichloropropane	ND	1	MEK	ND	10
2,2-Dichloropropane	ND	1	MIBK	ND	10
1,1-Dichloropropene	ND	1	2-Hexanone	ND	10
Cis-1,3-Dichloropropene	ND	1	Acetone	ND	40

ND : NOT DETECTED AT OR ABOVE DLR

DLR: DETECTION LIMIT FOR REPORTING PURPOSES

**CHEMTEK ENVIRONMENTAL LAB.
LABORATORY ANALYSIS REPORT**

Client : SCS Engineers
Project : Long Beach Public Service Yard

Job No. : 304086

Date: 04-29-13

Analysis: EPA 8260B(Volatile Organics by GC-MS) Unit: µg/kg or ppb

Sample ID : SP-South Comp **Sample date** : 04-25-13
Sample matrix : soil **Analysis date** : 04-26-13
Dilution Factor : 1

Compound	Result	DLR	Compound	Result	DLR
Benzene	ND	1	trans-1,3-Dichloropropene	ND	1
Bromobenzene	ND	1	Ethylbenzene	ND	1
Bromochloromethane	ND	1	Hexachlorobutadiene	ND	1
Bromoform	ND	1	Isopropylbenzene	ND	1
Bromomethane	ND	1	4-Isopropyltoluene	ND	1
n-Butylbenzene	ND	1	Methylene Chloride	ND	5
sec-Butylbenzene	ND	1	Naphthalene	ND	1
tert-Butylbenzene	ND	1	n-propylbenzene	ND	1
Carbon Tetrachloride	ND	1	Styrene	ND	1
Chlorobenzene	ND	1	1,1,1,2-Tetrachloroethane	ND	1
Chloroethane	ND	1	1,1,2,2-Tetrachloroethane	ND	1
Chloroform	ND	1	Tetrachloroethene(PCE)	ND	1
Chloromethane	ND	1	Toluene	ND	1
2-Chlorotoluene	ND	1	1,2,3-Trichlorobenzene	ND	1
4-Chlorotoluene	ND	1	1,2,4-Trichlorobenzene	ND	1
2-Chloroethyl vinyl ether	ND	2	1,1,1-Trichloroethane	ND	1
Dibromochloromethane	ND	1	1,1,2-Trichloroethane	ND	1
1,2-Dibromo-3-chloropropane	ND	1	Trichloroethene(TCE)	ND	1
1,2-Dibromoethane (EDB)	ND	1	Trichlorofluoromethane	ND	1
Dibromomethane	ND	1	1,2,3-Trichloropropane	ND	1
1,2-Dichlorobenzene	ND	1	1,2,4-Trimethylbenzene	ND	1
1,3-Dichlorobenzene	ND	1	1,3,5-Trimethylbenzene	ND	1
1,4-Dichlorobenzene	ND	1	Vinyl Chloride	ND	1
Dichlorodifluoromethane	ND	1	Total Xylenes	ND	2
1,1-Dichloroethane	ND	1	Ethanol	ND	250
1,2-Dichloroethane	ND	1	MTBE	ND	1
1,1-Dichloroethene	ND	1	ETBE	ND	1
cis-1,2 Dichloroethene	ND	1	DIPE	ND	1
Trans-1,2-Dichloroethene	ND	1	TAME	ND	1
1,2-Dichloropropane	ND	1	TBA	ND	20
1,3-Dichloropropane	ND	1	MEK	ND	10
2,2-Dichloropropane	ND	1	MIBK	ND	10
1,1-Dichloropropene	ND	1	2-Hexanone	ND	10
Cis-1,3-Dichloropropene	ND	1	Acetone	ND	40

ND : NOT DETECTED AT OR ABOVE DLR

DLR: DETECTION LIMIT FOR REPORTING PURPOSES

CHEMTEK ENVIRONMENTAL LAB.
LABORATORY ANALYSIS REPORT

Client : SCS Engineers
Project : Long Beach Public Service Yard

Job No. : 304086 Date: 04-29-13
Analysis: EPA 8015M (TPH Gas range, Diesel range, Oil range) Unit: mg/kg or ppm

Sample ID : See below Sample date : 04-25-13
Sample matrix : soil Analysis date : 04-26-13

Sample	C4-C12	DF	DLR	C13-C22	DF	DLR	C23-C36	DF	DLR
SP-North Comp	ND	1	0.2	24.3	1	5.0	155	1	10
SP-South Comp	ND	1	0.2	28.3	1	5.0	156	1	10

ND : NOT DETECTED AT OR ABOVE DLR
DLR: DETECTION LIMIT FOR REPORTING PURPOSES

CHEMTEK ENVIRONMENTAL LAB.
LABORATORY ANALYSIS REPORT

Client : SCS Engineers
Project : Long Beach Public Service Yard

Job No. : 304086

Date: 04-29-13

Analysis : STLC Metals
Method Extract: W.E.T
Method : SM 3111B

Sample ID : see below
Sample type : STLC extract
Sample date : 04-25-13
Analysis date: 04-29-13

Element	Sample ID				Detection Limit
	SP-North Comp	SP-South Comp			mg/l
Lead	76.5	65.2			0.05
Zinc	130				0.50

ND : Not detected at specified limit

CHEMTEK ENVIRONMENTAL LAB.
LABORATORY ANALYSIS REPORT

Client : SCS Engineers
Project : Long Beach Public Service Yard

Job No. : 304086

Date: 04-29-13

Analysis : TCLP
Method Extract: EPA 1311
Method : SM 3111B

Sample ID : see below
Sample type : TCLP extract
Sample date : 04-25-13
Analysis date: 04-29-13

Element	Sample ID				Detection Limit
	SP-North Comp	SP-South Comp			mg/l
Lead	1.41	1.48			0.05

ND : Not detected at specified limit

304686

TOTAL NUMBER OF SAMPLES: 10

PAGE 1 OF 1

TURNAROUND TIME REQUIRED:

☐ Std. ☐ 3-Day ☒ 24-Hr. ☐ Other

PROJECT MANAGER: Ashley Hutchens

W.O. / S.O. #:

SAMPLE PRESERVATIVE	SPECIAL INSTRUCTIONS/COMMENTS
None	T.T.
	Pb
	TP
	Vd
	St
	To

SAMPLE CONDITION UPON RECEIPT:

SAMPLE CONDITION UPON RECEIPT:

DATE:	4/25/13	RELINQUISHED BY:	Mick	DATE:	4/25/13	COMPANY:	chumck
DATE:		ACCEPTED BY:		DATE:		COMPANY:	

SCS ENGINEERS

October 6, 2014

Project No. 01210161.10

Via Email (carmen.piro@longbeach.gov)

Mrs. Carmen Piro-Swart
The City of Long Beach
Department of Health & Human Services (DHHS)
2525 Grand Ave, Room 222
Long Beach, California 90815
(562) 570-4137

Subject: Submittal of proposed CAP detail and Schedule, Former Long Beach Public Service Yard, APNs 7271-007-005 and 7271-012-023, Long Beach, California

Dear Mrs. Piro-Swart:

SCS Engineers (SCS) is pleased to submit this letter to detail the conversation on Friday, October 3, 2014 between yourself and Nelsen Kerr of the DHHS and Kevin Green and Ashley Hutchens of SCS. As discussed, the remediation of the Former Long Beach Public Service Yard (LBPSY, the "Property") per the *Revised Remedial Action Plan* (RAP; SCS, Revised May 2014, approved by the DHHS in a June 6, 2014 letter), is near completion. However, it has been determined that lead-contaminated soil and refuse does extend beneath the historical building located at 1475 San Francisco Avenue that will be moved by the City of Long Beach (City). Upon removal of that building, additional excavation will be required to clean up San Francisco Yard, LLC's property (the Yard Parcel) and relocate the impacted material to the City's Area of Contamination (AOC; the Long Beach Parcel) prior to placement of the final cap.

Additionally, impacted material will remain below the surface (and unexposed) in several areas of the Property including: beneath the building that will stay on the Yard Parcel Property; in an area where a Southern California Edison pole and support are; and in sidewalk areas of the Property boundary. Refuse and lead-impacted soil have been removed to the extent practical and confirmation sampling of the excavation bottom indicates lead concentrations well below the cleanup goal. This information will be summarized in the closure report prepared upon completion of the remediation/cap installation.

PROPOSED CAP

The final cap of the AOC area is proposed to consist of three layers as follows: (1) a 6 oz/yd filter fabric layer placed over the lead-impacted soil of the AOC followed by (2) an 18-inch thick layer of clean soil (capable of being compacted to produce a suitable low conductivity layer) and encapsulated with (3) a Hydro Mulch®/Super Tack® mixture. Fact sheets providing details of the proposed cap layers are enclosed.

PROPOSED SCHEDULE

As discussed in the approved RAP, the AOC area will be repurchased by the City (responsible party for environmental impacts) from San Francisco Yard, LLC. The remediation and cap are being conducted by subcontractors retained by San Francisco Yard, LLC prior to the City's repurchase of the land. The final cap (consisting of 3 layers, as proposed above) cannot be installed until all impacted material that is to be removed from the Yard Parcel is placed onto the AOC (Long Beach Parcel), therefore, the final cap cannot be completed until the City has moved the historical building and the material beneath it can be excavated and placed on the AOC. The City indicates that the schedule for relocation of the structure is approximately 8 weeks away.

In the interim, as discussed during our call, we propose to place the filter fabric (layer 1) over the AOC to prevent dust and erosion. When the material from beneath the historical building is removed, the filter fabric can be rolled up to allow for placement on the AOC. After which, the filter fabric will be replaced over the impacted soil and layers 2 and 3 of the final cap can be placed. At this time, based on the proposed 8 week schedule to relocate the historical building, it is anticipated that the final cap will be complete in December 2014. The remedial action closure report will be prepared for submittal to DHHS after placement of the final cap.

The San Francisco Yard, LLC parcel is currently being backfilled with clean soil and continued improvements including final grading and asphalt pavement. The current tenant to the south (Petros Tubular Services) has leased the Property for future use to expand their storage yard. Until the time that the final cap can be placed (along with a permanent fence to separate the parcels), a temporary construction fence will be installed around the AOC (Long Beach Parcel) and signs placed on the fence "Caution Lead Hazard Do Not Enter Work Area Unless Authorized." An example of the proposed sign is enclosed.

Please call either of the undersigned at (562) 426-9544 if you have any questions.

Sincerely



Ashley P. Hutchens, REPA
Project Manager
SCS ENGINEERS



Kevin W. Green, PG
Project Director
SCS ENGINEERS

Enclosures: Filter Fabric (6oz/yd) fact sheet
Hydromulch fact sheet
Super Tack fact sheet and MSDS
Example of Caution sign

cc: Mr. Nelson Kerr – DHHS
Mr. Matt Englhard – San Francisco Yard, LLC
Mr. Clark Neuhoﬀ – San Francisco Yard, LLC

RG60N Nonwoven Filter Fabric Technical Data Sheet

Reed & Graham's RG60N is a nonwoven geotextile composed of polypropylene fibers, which are formed into a stable network such that the fibers retain their relative position. RG60N is inert to biological degradation and resists naturally encountered chemicals, alkalis, and acids. RG60N meets AASHTO M288-06 Class 2 for elongation >50%.

Mechanical Properties	Test Method	Unit	Minimum Average Roll Value
Grab Tensile Strength	ASTM D 4632	kN (lbs)	0.71(160)
Grab Tensile Elongation	ASTM D 4632	%	50
Trapezoid Tear Strength	ASTM D 4533	kN (lbs)	0.267(60)
CBR Puncture Strength ¹	ASTM D 6241	kN(lbs)	1.82 (410)
Apparent Opening Size (AOS) ²	ASTM D 4751	mm (U.S. Sieve)	0.212 (70)
Permittivity	ASTM D 4491	Sec ⁻¹	1.5
Flow Rate	ASTM D 4491	l/min/m ²	4480
		gal/min/ft ²	110
UV Resistance after 500 hours	ASTM D 4355	% Strength Retained	70

¹ ASTM D 6241 replaces ASTM D 4833.

² ASTM D 4751, AOS is a Maximum Opening Diameter Value

PLEASE NOTE: Mullen Burst Strength ASTM D 3786 is not recognized by ASTM D-35 on Geosynthetics as an acceptable Geosynthetic test methods. Puncture Strength ASTM D 4833 is not recognized by AASHTO M288 and has been replaced with CBR Puncture ASTM D 6241

Physical Properties	Test Method	Unit	Typical Value
Weight	ASTM D5261	g/m ² (oz/yd ²)	203 (6.0)
Roll Dimension		M	4.5 x 91 - 3.81 x 109.7
(width x length)		ft	15' x 300' - 12.5' x 360'
Roll Area		m ² (yd ²)	418 (500)
Estimated Roll Weight		Kg (lb)	90 (199)

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Revised July 15, 2014

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ORGANIC CONTENT	99.2% +/-4
ASH CONTENT	.8 +/-4
pH RANGE	4.8 +/-1
WATER HOLDING CAPACITY	1200% MIN

TYPICAL APPLICATION RATE

MODEST TO 4 TO 1 SLOPE	1500 LBS / AC
3 TO 1 SLOPE	2000 LBS / AC
3:1 TO 2:1 SLOPE	2500 LBS / AC

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NET WEIGHT 50 LB BALE, 40 BALES PER SKID
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- **Super Tack®** is designed for optimal viscosity build up for uniform application. Once applied, the superior tack performance gives the mulch mixture sufficient strength and resistance to raindrop impact.

ENVIRONMENTALLY FRIENDLY: **Super Tack®** is made from natural non-toxic ingredients that will not harm soil, equipment or other living things.

UNIVERSITY TESTED: **Super Tack®** tested 84% effective for soil erosion at San Diego State University.

Super Tack® available in a variety of packaging and sizes:

- 5 lb & 10 lb baggies packaged in 40 lb cases.
- 50 lb (22.68 kg) weather proof multi-ply plastic bags
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When compared to the untreated bare soil condition on a 2:1 slope, the data demonstrates that an application of a hydraulic mixture composed of 2,000 lbs of wood fiber mulch, 4,000 gallons of water and 120 lbs of Rantec **Super Tack**® reduced erosion and sediment delivery by an average of 84% when exposed to three 10-year storm replications. The same test documented a decrease in runoff volume of 40%.

SDSU, September 26, 2003

RECOMMENDED SPECIFIC LANGUAGE: A non toxic, biodegradable tackifier such as **Super Tack**® shall be used on this project at the minimum application rates shown on the table below. Such tackifiers shall be a natural galactomannan based hydrocolloid treated with dispersant agents for easy field mixing. **Super Tack**® can be applied at 15 to 25 pounds in 1,000 gallons of water depending on the equipment capacity. When used as an overspray for straw, use **Super Tack**® more concentrated at a rate of 40 lbs in 1,000 gallons per acre with the use of 150 to 300 lbs of mulch as a marker.

SLOPE:	FLAT	4:1	3:1	2:1	1:1
LB/ACRE:	30-60	40-80	50-100	60-120	70-220

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e-mail: rantec@ranteccorp.com

Revised March 2007 ©Rantec Corporation

MATERIAL SAFETY DATA SHEET

Dispersible Guar Gums
Reviewed: 11 June 2003

1. Product and Company Information

Product Name: Supertack

Manufacturer/Supplier: Rantec Corporation
Address: P.O. Box 729
Hwy 14 West
Ranchester, WY 82839

Phone Number: (307) 655-9565
Fax Number: (307) 655-9528
e-mail: rantec@ranteccorp.com

2. Composition / Information on Ingredients

Ingredient	CAS Number	% Weight	Exposure Limits
Guar Gum	9000-30-0	90-100	5 mg/m ³ (respirable) PEL-TWA 3 mg/m ³ (respirable) TLV-TWA 10 mg/m ³ (inhalable dust) TLV-TWA

OSHA Hazardous Material: Yes

3. Hazards Identification

Emergency Overview:

This product is a natural product. High concentrations of dust suspended in the air presents a fire and explosion hazard. Excessive inhalation of dust may cause respiratory irritation and possible lung injury with symptoms of shortness of breath and reduced lung function.

Acute Health Effects:

Eye Contact: Contact may cause irritation based on studies with laboratory animals.

Skin Contact: Contact may cause dryness.

Inhalation: Inhalation of dust may cause irritation of the nose, throat and respiratory passages. Symptoms include coughing, sore throat, nasal congestion, sneezing wheezing and shortness of breath. May cause allergic reaction in susceptible individuals.

Ingestion: DO NOT INGEST. While this product is not toxic by ingestion, swallowing small amounts could cause complete blockage of the mouth, pharynx, trachea, esophagus and/or gastrointestinal system which may cause choking, suffocation and/or other life threatening medical conditions. Get medical attention immediately.

Chronic Health Effects: Prolonged overexposure to any nuisance dust may cause lung injury. Symptoms include cough, shortness of breath and reduced pulmonary function

Carcinogenicity: None of the components of this product are listed as carcinogens or suspected carcinogens by OSHA, IARC or NTP.

Medical Conditions Aggravated by Exposure: Persons with pre-existing skin and respiratory disorders may be at an increased risk from exposure.

MATERIAL SAFETY DATA SHEET

Dispersible Guar Gums
Reviewed: 11 June 2003

4. First Aid Measures

Eye: Flush immediately with large amounts of water. Eyelids should be held away from the eyeball to ensure thorough rinsing. If irritation persists get medical attention.

Skin: No first aid should normally needed. Wash exposed skin with soap and water after use. If irritation or rash develops get medical attention. Use skin lotion if dryness occurs.

Inhalation: If symptoms of irritation or allergy develop, remove person from source of exposure to fresh air. If symptoms persist get medical attention.

Ingestion: Swallowing even small amounts may have serious, life-threatening effects. Get immediate medical attention.

5. Firefighting Measures

Flashpoint: Not Applicable

Autoignition Temperature: Not Determined

Lower Explosion Limit: 0.04 oz/cf

Upper Explosion Limit: Not determined

Extinguishing Media: Use water fog, dry chemical, carbon dioxide or foam. Do not use streams of water as dust dispersed by water streams can explode.

Special Fire Fighting Procedures: Wear positive pressure, self-contained breathing apparatus and full protective clothing.

Unusual Fire and Explosion Hazards: Powder has the potential to form explosive mixtures with air. Avoid creating dust. Keep away from heat, sparks and open flames.

Combustion Products: Oxides of carbon and nitrogen.

6: Accidental Release Measures

Wear appropriate protective clothing and equipment. Sweep up or vacuum, avoiding the creation of airborne dust, and collect into a suitable container for disposal. Keep spilled product away from flammable and combustible materials. Wash residual traces with hot water after clean-up is complete. Caution: guar gum is very slippery when wet.

7. Handling and Storage

Handling: Avoid generating and breathing dust. Avoid eye contact. Use with adequate local exhaust ventilation and dust collection to maintain the concentration of airborne dust below the exposure limits. If clothing becomes contaminated, remove and launder before re-use. Wash thoroughly after handling.

Storage: Keep product dry. Store in a cool, dry area. Keep containers closed to avoid moisture absorption.

8. Exposure Controls / Personal Protection

Engineering Controls: Use explosion proof local exhaust ventilation as needed to maintain exposure concentrations below the recommended limits.

Personal Protective Equipment (PPE)

Eye Protection: Safety glasses or goggles recommended.

Skin Protection: Rubber, plastic or leather gloves recommended.

Respiratory Protection: If the concentrations exceed the Threshold Value Limit (TLV), a NIOSH approved dust respirator, supplied air respirator or self-contained breathing apparatus is recommended. Select appropriate

MATERIAL SAFETY DATA SHEET

Dispersible Guar Gums
Reviewed: 11 June 2003

8. Exposure Controls / Personal Protection - continued

respiratory protection for respirable particulates based on consideration of the airborne workplace concentrations and duration of exposure. Select and use respirators in accordance with 29 CFR 1910.134, ANSI Z88.2, the NIOSH Respirator Decision Logic and good industrial hygiene practice.

<http://www.access.gpo.gov/nara/cfr/cfr-retrieve.html#page1>, ANSI Z88.2 <http://www.ansi.org/>, the NIOSH Respirator Decision Logic and good industrial hygiene practice <http://www.cdc.gov/niosh/homepage.html>.

9. Physical and Chemical Properties

Boiling Point: Not Applicable

Melting Point: Decomposes

Vapor Pressure: Not Applicable

Vapor Density (Air=1): Not Applicable

% Solubility in Water: Complete

Odor/Appearance: Yellow powder with a bean-like odor.

Specific Gravity: Not applicable

% Volatile: Not applicable

Evaporation Rate (Butyl Acetate=1): Not Applicable

pH: Not applicable

Octanol/Water Partition Coefficient: Not Applicable

10. Stability and Reactivity

Stability: Material is stable.

Incompatibility: Avoid high temperatures, sparks, open flames and moisture. Avoid contact with strong oxidizing agents.

Hazardous Reactions-Decomposition Products: Combustion may produce carbon dioxide, carbon monoxide and oxides of nitrogen.

Hazardous Polymerization: Will not occur.

11. Toxicological Information

Guar Gum: Oral rat LD50: 9.4g/kg

Guar gum is a natural food additive, although direct use in powder or pill form is banned by the FDA due to the risk of respiratory or gastrointestinal blockage.

12. Ecological Information

No ecotoxicity data is available at this time.

13. Disposal Considerations

Dispose in compliance with all applicable federal, state and local regulations. Do not dump down sewers or drains as this may cause blockage.

14. Transport Information

U.S. Department of Transportation (DOT)

Proper Shipping Name: Not Regulated

Hazard Class: N/A

UN/NA Code: N/A

Packing Group: N/A

Labels Required: N/A

MATERIAL SAFETY DATA SHEET

Dispersible Guar Gums
Reviewed: 11 June 2003

IMDG CODE

Proper Shipping Name: NOT REGULATED

Hazard Class: N/A

UN/NA Code: N/A

Packaging Group: N/A

Labels Required: N/A

15. Regulatory Information

U.S. Regulations

Comprehensive Environmental Response and Liability Act of 1980 (CERCLA) Reportable Quantity:

This product is not subject to CERCLA reporting requirements as it is sold.

OSHA Hazard Categories: Irritant, Sensitizer, Combustible Dust

Superfund Amendments and Reauthorization Act (SARA) Title III Information:

SARA Section 311/312 Hazard Categories: Fire Hazard, Acute Health

This product contains the following toxic chemical(s) subject to reporting requirements of SARA

Section 313: None

California Proposition 65: This product is not known to contain chemical regulated under California Proposition 65.

Toxic Substances Control Act (TSCA): All components of this product are listed on the TSCA inventory or exempt from notification requirements.

Canadian Environmental Protection Act: All of the components of this product are listed on the Canadian Domestic Substances List or exempt from notification requirements.

European Inventory of Commercial Chemical Substances: All of the components of this product are listed on the EINECS Inventory or exempt from notification requirements.

Australian Inventory of Chemical Substances: All of the components of this product are listed on the AICS Inventory or exempt from notification requirements.

Canadian WHIMIS Classification: Class B, Division 4 (Flammable Solid)

16. Other Information

NFPA Ratings:

Health: 1 Flammability: 1 Reactivity: 0

HMIS Ratings:

Health: 1 Flammability: 1 Reactivity: 0

Abbreviations:

ACGIH	American Conference of Governmental Industrial Hygienists
ANSI	American National Standards Institute
CAS	Chemical Abstracts Service
CDC	Centers for Disease Control and Prevention
CFR	The Code of Federal Regulations
EEC	European Economic Community

MATERIAL SAFETY DATA SHEET

Dispersible Guar Gums
Reviewed: 11 June 2003

EINECS	European Inventory of Existing Commercial Chemical Substances
EPA	United States Environmental Protection Agency
FDA	United States Food and Drug Administration
HMIS	Hazardous Materials Identification System
IARC	International Agency for Research on Cancer
IMDG	International Maritime Dangerous Goods
LD50	Lethal Dose expected to cause death in 50% of the test animals
MITI	Ministry of International Trade and Industry
NFPA	National Fire Protection Association
NIOSH	CDC - National Institute for Occupational Safety
NTP	National Toxicological Program
OSHA	U.S. Department of Labor, Occupational safety and health administration
PEL	OSHA - permissible exposure limit
TLV	ACGIH - threshold limit value
TWA	Time weighted average
UN/NA	United Nations / North America
US	United States
WHMIS	Workplace Hazardous Materials Information System

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CAUTION

**LEAD
HAZARD**

**DO NOT ENTER WORK AREA
UNLESS AUTHORIZED**

SCS ENGINEERS

May 30, 2014
Project No. 01210161.09

Via Email (carmen.piro@longbeach.gov) and US Mail

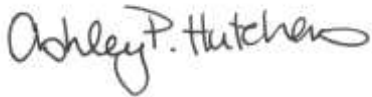
Mrs. Carmen Piro-Swart
The City of Long Beach
Department of Health & Human Services
2525 Grand Ave, Room 222
Long Beach, California 90815
(562) 570-4137

Subject: Submittal of Revised Remedial Action Plan, Former Long Beach Public Service Yard, APNs 7271-007-005 and 7271-012-023, Long Beach, California

Dear Mrs. Piro-Swart:

SCS Engineers is pleased to submit the above-referenced report for your review and approval. Please call Kevin Green or myself at (562) 426-9544 if you have any questions.

Sincerely,



Ashley P. Hutchens, REPA
Project Manager
SCS ENGINEERS

Enclosures: As stated

cc: Mr. Clark Neuhoﬀ – Alere Property Group, LLC

**REVISED REMEDIAL ACTION PLAN
FORMER LONG BEACH PUBLIC SERVICE YARD
(APNs 7271-011-008 and 7271-008-013)
LONG BEACH, CALIFORNIA**

Prepared for:

San Francisco Yard, LLC

100 Bayview Circle, Suite 310
Newport Beach, California 92660
(949) 509-5002

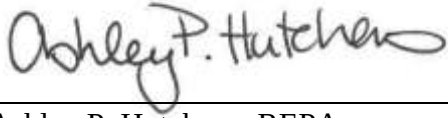
Prepared by:

SCS ENGINEERS

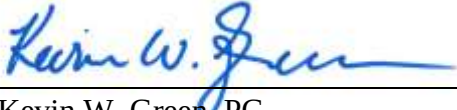
3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806-6816
(562) 426-9544

March 2012
(Revised May 2014)
File No. 01210161.09

This Revised Remedial Action Plan dated March 2012 (Revised May 2014), for the Former Long Beach Public Service Yard in Long Beach, California, was prepared, and reviewed by the following:



Ashley P. Hutchens, REPA
Project Manager



Kevin W. Green, PG
Project Director
SCS ENGINEERS

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- 2 Approximate Area Proposed for Remedial Action
- 3 Proposed Ownership for Remedial Areas of Former Long Beach Service Yard.

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- 1 Summary of Analytical Results for Soil Gas Survey
- 2 Summary of Analytical Results for Petroleum Hydrocarbons, Volatile Organic Compounds, and Pesticides
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- A Site Remediation Permit
- B NFA Letters
- C Draft Summary of Site Characterization Activities Letter (SCS, May 9, 2013)
- D Health and Safety Form

DISCLAIMER

This Revised Remedial Action Plan (RAP) has been prepared for the San Francisco Yard, LLC with specific application to proposed remediation of metals in fill soils at two parcels within the former Long Beach Public Service Yard (LBPSY) in Long Beach, California. The revised RAP has been prepared in accordance with the care and skill generally exercised by reputable professionals, under similar circumstances, in this or similar localities. No other warranty, express or implied, is made as to the professional opinions presented herein. No other party, known or unknown to SCS Engineers, is intended as a beneficiary of this work product, its content or information embedded therein. Third parties use this report at their own risk.

Changes in property use and conditions may occur due to variations in rainfall, temperature, water usage, or other factors. Additional information which was not available to the consultant at the time of this investigation or changes which may occur on the property or in the surrounding area may result in modification to the property that would impact the summary presented herein. This RAP is not a legal opinion.

1.0 INTRODUCTION

SCS Engineers (SCS) has been retained by the San Francisco Yard, LLC (Yard) to prepare this revised Remedial Action Plan (RAP) for remediation of metals-impacted soil in fill material on a portion (APNs 7271-011-008 and 7271-008-013) of the Former Long Beach Public Service Yard (LBPSY; the “Property”). As discussed during the January 23, 2012 meeting between representatives of the City of Long Beach, City of Long Beach Department of Health & Human Services (DHHS), Yard, and SCS, an area of the former LBPSY was found to contain varying amounts of fill soil containing debris reportedly from the 1933 Long Beach earthquake. Previous investigations (discussed below) identified elevated concentrations of lead and other metals in certain areas of the fill.

A RAP was submitted to the DHHS, along with a Site Remediation Permit Application (a copy of the permit is provided in **Appendix A**) and appropriate permit fees, in March 2012 for approval of proposed remedial activities. In April 2013, remediation and grading activities were initiated however these activities were stopped when it was determined that a much higher volume of lead-impacted soil was present. Negotiations between Yard and the City of Long Beach have been underway to further evaluate remedial alternatives for the Property. At this time, the proposed remedial solution is to move the impacted soil from the southern and eastern portions of the Property and place them in a capped area on the northwesterly portion of the Property that the City of Long Beach will, in turn, purchase from Yard.

This revised RAP outlines the proposed new remedial option that creates two “operable units,” as follows:

- **Yard Parcel** – This parcel is currently owned by San Francisco Yard, LLC. This operable unit consists of an L-shaped, approximately 3.6 acre parcel, that includes the southern portion of the Property as well as a strip of land fronting San Francisco Avenue. Remediation of the Yard Parcel will meet cleanup goals, outlined below, towards the goal of receiving a no further action (NFA) letter from the DHHS.
- **Long Beach Parcel** – This operable unit consists of a rectangular-shaped parcel, approximately 1.7 acres in area, located in the northwestern corner of the Property. This operable unit will be used to stockpile the metals-impacted fill material, covered with an appropriate engineered cap, and be subject to a deed restriction as a condition of receiving a NFA letter. This parcel will be purchased from San Francisco Yard, LLC by the City of Long Beach.

The proposed remediation will be conducted in general accordance of the Department of Toxic Substances Control’s (DTSC) *Proven Technologies and Remedies (PT&R) Guidance, Remediation of Metals in Soils* dated August 29, 2008. One of the key provisions in this guidance relates to the Area of Contamination (AOC) approach, which “is based on an interpretation of federal regulations which allow for the movement of hazardous wastes within a contiguous area of generally dispersed contamination without being considered land disposal and without triggering land disposal restrictions or minimum technology requirements.”

1.1 BACKGROUND

The former LBPSY consists of approximately 12 acres on four and a half city blocks and was recently sold by the City of Long Beach. San Francisco Yard, LLC is the current property owner for the two parcels/city blocks are the subject of this revised RAP. A map showing the general location of the former LBPSY and surrounding area is provided as **Figure 1**.

The northern 4 acres of the former LBPSY (APNs 7271-012-020 and -023) have been leased to Baker Tanks for a storage yard. The southern 3 acres have been leased to Petros Pipe (APN 7271-007-005). Since very little fill soil exists on these parcels, and in order to expedite obtaining “no further action” letters for these parcels in anticipation of their eminent lease, a separate investigation under DHHS oversight was conducted. The results of this investigation, conducted under DHHS permit No. 1781, are provided in the SCS “*Confirmation Sampling Report*” dated March 2, 2012 submitted under separate cover. As discussed in the report, no evidence of significant impacts from lead or other metals associated with fill soil was identified and the DHHS issued NFA letters (**Appendix B**) for the northern and southern parcels (APNs 7271-007-005 and 7271-012-023) dated July 11, 2012.

1.1.1 Previous Investigations

An SCS Phase I Environmental Assessment report, dated February 22, 2005, found the following:

- Historical information identified four known underground storage tanks (USTs) historically located on the Property as follows: (1) a 1,000-gallon unused UST; (2) 550-gallon gasoline UST; and (3) two 12,000-gallon USTs (one diesel, one gasoline) as part of a former fueling station. The current known status of these USTs is as follows:
 - (1) A 1,000-gallon unused UST associated with 1725 San Francisco Avenue was located on the western portion of the 16th Street right-of-way (north of APN 7271-012-023; **Figure 2**). This UST was originally meant to contain solvent/kerosene, was installed on July 19, 1988, and removed in January 1999. Regulatory closure was received from the Joint Powers Agency (currently the DHHS) in the “No Further Action” Letter dated March 25, 1999. Please note that this UST is not on or near the portion of the LBPSY that is the focus of this RAP.
 - (2) A 550-gallon gasoline UST associated with 901 West Anaheim Street was located in the 14th Street right-of-way (south of APN 7271-008-013). A “UST Unauthorized Release (Leak)/Contamination Site Report” dated May 29, 1996 indicated that on August 30, 1995 it was discovered that an unknown quantity of gasoline leaked from a 30 plus year old UST at 901 West Anaheim Street. This UST was removed by Maness Environmental on August 30, 1995.

SCS installed three groundwater wells in July 2005 and conducted six rounds of groundwater monitoring, after which the Regional Water Quality Control Board (RWQCB) issued a case closure letter on July 6, 2011 (**Appendix B**). The groundwater wells were abandoned on July 22, 2011 completing the requirements

for this UST case. This former UST area is in the 14th Street right-of-way, outside of the anticipated fill area.

- (3) Two 12,000-gallon USTs associated with 1725 San Francisco Avenue were located at the northeast corner of APN 7271-008-013 at 1445 San Francisco Avenue. Long Beach DHHS files revealed an Underground Storage Tank Removal Report, dated August 7, 2008 for the removal of two 12,000-gallon USTs (one gasoline and one diesel). The tanks, installed November 1998 were removed on July 2, 2008. The USTs were reportedly in good condition upon removal, however, approximately two feet of groundwater filled into the UST excavation upon removal and free product diesel was observed floating on the groundwater in the southwest corner of the excavation. The fuel reportedly leaked into the pea-gravel backfill surrounding the USTs during the excavation of one of the dispenser pans. Mitigation methods included using absorbent pads to skim the free product and a vacuum truck to remove approximately 5,000 gallons of groundwater. Analysis of soil samples collected from beneath each end of the USTs (at 16 feet below ground surface [bgs]) and beneath each dispenser (at 6 feet bgs) indicated that no detectable concentrations of total petroleum hydrocarbons (TPH) or volatile organic compounds (VOCs) were present.

As a result of the impact to groundwater observed during removal, the DHHS referred the case to the RWQCB in an email dated October 10, 2008. In the email, the DHHS asked the RWQCB if a “no further action” letter should be issued. The RWQCB issued closure of the case (T0603701971) in a NFA letter dated July 3, 2012 (**Appendix B**).

- City personnel indicated that fill material was placed on the western raised portions of the Property; the exact date of deposition and the source of this material is unknown, but reportedly may include debris from the 1933 earthquake.

A Phase II investigation (SCS, August 2, 2005) was conducted to investigate environmental concerns identified during the 2005 Phase I Assessment, in particular, the known and suspected fill materials. The investigation included 12 soil borings and 10 soil gas sampling locations in the anticipated fill area as shown on **Figure 2**. **Table 1** provides a summary of soil gas data for the 10 soil gas points placed within the existing fill and proposed excavation area. One sample (SG12) had a low concentration (2.6 micrograms per liter) of 1,1,1-trichloroethane. **Tables 2 and 3** provide results of the soil data for 12 soil borings placed within the anticipated fill area. Samples were selectively analyzed for TPH, VOCs, organochlorine pesticides, and/or metals, the results of which are as follows:

- One low detection (104 milligrams per kilogram [mg/kg, equivalent to parts per million [ppm]]) of heavy range TPH (C₂₃-C₄₀) was detected in sample B12-5’.
- One sample (B8-5’) contained low concentrations of 1,1,1-trichloroethane and dibromochloromethane at 4.9 and 4.3 micrograms per kilogram, respectively. These concentrations are well below the applicable Regional Screening Levels (RSLs) and

California Human Health Screening Levels (CHHSLs) do not exist for these compounds in soil.

- Lead was detected in 4 of 9 samples above the commercial CHHSL of 320 mg/kg. In addition, several other metals (zinc, copper, arsenic, etc.) were elevated in these 4 samples.
- No organochlorine pesticides were detected.

Fill materials were encountered in borings in the elevated areas of the Property. There were no indications in the laboratory results from soil samples of elevated concentrations of VOCs, hydrocarbons, or organochlorine pesticides. However, lead and arsenic were detected in fill soils at concentrations that may be a potential risk to human health (up to 2,400 and 110 mg/kg, respectively), or require special consideration (i.e., additional testing and characterization) prior to removal and/or disposal. The area of anticipated fill debris is depicted on **Figure 2**. The previous SCS Phase I and Phase II Investigations were appended to the March 2012 RAP.

As part of a pre-remediation/construction activity, 22 test trenches were excavated on January 16, 2011 by Boberg Engineering to observe the materials that would be encountered, the depths of the material, and moisture content. A layer of soil, ranging 2 to 4 feet exists above the debris layer. The debris layer was observed to consist of brick, broken glass, broken concrete, metal, burnt wood, asphalt, etc., in a matrix of soil.

1.1.2 Initiation of Site Development and Additional Investigation

In January 2013, clarifiers associated with former car wash (located within the fill area) and paint rinse areas were removed. Clarifier abandonment activities were conducted with oversight provided by Long Beach Fire Department and described in SCS's report, *Clarifier Removal Report, Former Long Beach Public Service Yard* dated February 2013. Approval of the clarifier closure is pending and is to be included with site closure.

As previously discussed, in April 2013, remediation and grading activities were initiated. Upon completion of clearing and grubbing the Property, SCS conducted two days of field activities (April 24 and 25, 2013), to assess the extent of lead-impacted soils onsite. A draft letter report summarizing these site characterization activities dated May 9, 2013 is provided in **Appendix C**.

As outlined in the enclosed report, on April 24, 2013, SCS used an X-Ray fluorescence (XRF) analyzer to screen surface soils in the field for lead concentrations. Nine soil samples were also collected for analysis at a fixed laboratory to confirm and compare the results with the XRF screening data. Analytical results showed good correlation between the XRF as a screening tool and laboratory analytical results. The XRF screening and laboratory results for April 24 showed surface soils were generally "clean," with only a few sporadic areas with lead concentrations above the remediation cleanup goal of 320 parts per million (ppm) lead.

On April 25, 2013, SCS was onsite with two XRF analyzers and an excavator and operator provided by Boberg Engineering & Contracting, Inc. An initial excavation near the southern property line identified a layer of debris with apparent burn ash, between the "clean" surface

soils and native soils (at about street elevation), that contained concentrations of lead up to several thousand ppm or more. To determine the extent of this debris and ash layer, nineteen test pits were subsequently excavated across the Property to determine if buried debris was present, thickness of the debris layer, and relative thickness of the cover soil. Excavation of the test pits determined that the debris/ash layer occurs across the Property ranging in thickness from approximately 2 feet near the southeast corner to approximately 10.5 feet near the northwest corner of the Property. Figure 2 of the draft letter (**Appendix C**) provides an isopach map showing the approximate location and thickness of the debris/ash layer with elevated lead concentrations on the Property, based on observations and XRF screening from the 19 test pits. Our calculations show that this debris/ash layer totals approximately 40,000 cubic yards of material, or approximately 60,000 tons.

In order to further characterize the nature of the impacted soil for evaluation of disposal options (i.e., non-hazardous, California hazardous, or RCRA hazardous), the debris and impacted soil from the initial excavation and 19 test pits was segregated and loaded into a truck and transported to a location at the northwest portion of the Property for stockpiling. Two composite samples were collected from this stockpile (one from the north end [SP-North Comp] and one from the south end [SP-South Comp]). These stockpile samples were collected by grabbing discrete sub-samples from numerous locations and placing them into a baggie to be well mixed and then placed into a jar for submittal to the laboratory for analysis of CCR Title 22 metals, TPH, and VOCs. Based on the initial lab results, additional analyses were conducted for soluble lead concentrations using two methods – the California Waste Extraction Test (WET, for comparison to the Soluble Threshold Limit Concentration [STLC]) and the federal Toxicity Characteristic Leaching Procedure (TCLP), and soluble zinc concentrations using the WET method. The results of these analyses are summarized as follows:

- No detectable concentrations of volatile organic compounds;
- TPH concentrations up to 28.3 and 156 mg/kg in the diesel and heavy range, respectively;
- Total lead concentrations of 1,210 and 1,110 mg/kg;
- Soluble lead concentrations using the WET method of 76.5 and 65.2 milligrams per liter (mg/l; equivalent to parts per million [ppm]), above the STLC of 5 mg/l;
- Soluble lead concentrations using the TCLP method of 1.41 and 1.48 mg/l, below the limit of 5 mg/l; and
- A soluble zinc concentration of 130 mg/l, below its STLC of 250 mg/l.

These results show that there is a layer of debris and ash buried throughout most of the Property totaling approximately 40,000 cubic yards that would be classified as a California hazardous waste for the purposes of disposal. The stockpiled soil containing debris and ash was placed on the Property and has been covered with Visqueen plastic until further notice.

2.0 GEOLOGIC AND HYDROGEOLOGIC CONDITIONS

2.1 PHYSIOGRAPHIC SETTING

According to the U.S. Geological Survey (USGS), Long Beach (1964, photorevised 1981), California 7.5 minute topographic map, the Property is located immediately east of the Los

Angeles River at an elevation of approximately five feet above mean sea level about 1.3 miles north of San Pedro Bay. Regional topography is relatively flat with a gentle slope to the west.

2.2 GEOLOGY AND SOILS

Geologic maps indicate that surface sediments in the area are Quaternary alluvium and coastal deposits of silt, sand, and gravel that are underlain by the late Pleistocene Lakewood Formation. The Lakewood Formation, which consists of gravel, sand, sandy silt, silt and clay with shale pebbles, extends to a depth of approximately 100 feet (California DWR, Bulletin No.104). Sediments below the Lakewood Formation belong to the late Pleistocene San Pedro Formation.

2.3 GROUNDWATER

The Property is located in the southern portion of the West Coast Groundwater Basin. The first groundwater aquifer in the region is within the Gage Aquifer within the Lakewood Formation. Based on groundwater monitoring reports for a former UST site located in the 14th Street right-of-way on the north boundary of the Property, first groundwater is approximately 4 to 5 feet below grade and flows southeasterly in direction. Shallow groundwater has locally been impacted by saltwater intrusion; therefore, it is not used as a drinking water source. Groundwater beneath the Property may be tidally influenced due to tides in the adjacent Los Angeles River.

3.0 CLEANUP GOALS

Cleanup goals, as discussed below and in the original RAP, will be in effect for only that portion of the Property to be retained by Yard. Cleanup goals will not be applicable to that portion of the Property with the stockpile of impacted soil to be purchased by the City of Long Beach.

3.1 METALS

The California EPA Office of Environmental Health Hazard Assessment (OEHHA) published the *Human-Exposure-Based Screening Numbers Developed to Aid Estimation of Cleanup Costs for Contaminated Soil*, dated November 2004, revised January 2005. This document describes CHHSLs for metals in soil for residential and industrial/commercial land use scenarios. The Property is proposed to be developed with commercial warehouse/manufacturing buildings or used as a storage yard; therefore the commercial CHHSLs would be applicable. With the exception of arsenic, the commercial CHHSLs for metals, shown in **Table 3**, will be used as the cleanup goals. Based on data collected from the site during the 2005 investigation (**Table 3**) and in April 2013, lead is likely to be the “driver” during remediation, that is, the primary chemical of potential concern (COPC). The proposed cleanup goal and commercial CHHSL for lead is 320 mg/kg.

With regard to arsenic, the US EPA has acknowledged that in some cases, the predictive risk-based models generate concentrations that lie within or even below the typical background. The DTSC has acknowledged that the strict use of the arsenic concentrations from risk-based models is impractical and has set acceptable levels in soil in the range of 8 to 12 mg/kg for school sites

in California. Further, in a presentation to the Society of Toxicology in March 2008, three scientists from DTSC presented a study to determine regional background concentrations of arsenic in soil in southern California. This study, derived from data collected from proposed school sites in five southern California counties, resulted in an upper-bound arsenic concentration of approximately 12 mg/kg. The authors concluded that this finding suggests that 12 mg/kg may be a useful screening number for evaluating arsenic as a COPC. Therefore, the proposed cleanup goal for arsenic is 12 mg/kg.

3.2 HYDROCARBONS

As discussed above, the purpose of the proposed remediation is to remove lead-impacted soil, however, during this process hydrocarbon-impacted soil may be encountered.

The RWQCB has established cleanup guidelines, also known as soil screening levels (SSLs), for hydrocarbon-impacted soils based on the potential for groundwater contamination (RWQCB, 1996). Where impacted soils are anticipated less than 20 feet above groundwater (groundwater is at approximately 4 to 5 feet bgs at the Property), the SSLs for petroleum hydrocarbons are:

- TPH-g or gasoline-range hydrocarbons (C₄-C₁₂) – 100 mg/kg
- TPH-d or diesel-range hydrocarbons (C₁₃-C₂₂) – 100 mg/kg
- Oil or heavy-range hydrocarbons (C₂₃-C₄₀) – 1,000 mg/kg

3.3 OTHER COPCS

If, during the course of excavation and remediation, other suspected COPCs are identified by SCS oversight personnel (for example, stained soils or odors are noted), soil samples will be collected and analyzed (for example, for VOCs, semi-volatile organics, etc.) to appropriately characterize the material. As necessary, additional cleanup goals will be developed for these COPCs and submitted to DHHS for approval.

4.0 REMEDIATION METHODS AND MATERIALS

4.1 PERMITTING AND SUBSURFACE UTILITIES CLEARANCE

As required by law, Underground Service Alert will be notified prior to conducting any subsurface work. In addition, a Site Remediation Permit has been obtained (**Appendix A**), and it is assumed that the permit will still be valid for the proposed remediation work.

The grading contractor will be responsible for obtaining grading and any other required permits from the City of Long Beach.

4.2 PROPOSED REMEDIAL APPROACH AND DESIGNATION OF AREA OF CONTAMINATION (AOC)

To avoid detrimental costs to the City of Long Beach for removal, transportation, and disposal/treatment of the large volume of lead-impacted soil at the Property, San Francisco Yard, LLC (current Property owner) and the City of Long Beach (responsible party for environmental impacts) have agreed to relocate the impacted material to the “Long Beach Parcel” as described above. The areas proposed to be retained by San Francisco Yard, LLC and the City of Long Beach are depicted on **Figure 3**. These areas of the site are hereinafter referred to as the “Yard Parcel” and “Long Beach Parcel.”

4.3 EXCAVATION AND SAMPLE COLLECTION FOR YARD PROPERTY

The existing asphalt paving was pulverized in-place and removed from the Property in spring of 2013. The concrete slabs, footings, and walls were also crushed to 2-inch minus material and are currently stockpiled on the Property. These materials will be used to stabilize any wet soils at the bottom of removal areas. Excavation and grading operations will be conducted by a qualified hazardous waste contractor with appropriate 40-hour health and safety training.

Prior to and during soil disturbance activities by the remediation contractor, SCS personnel will screen the fill soils using an X-Ray fluorescence (XRF) analyzer as discussed below. Initial activities will include removing clean topsoil above the lead-impacted soil and debris for the entire Property and stockpiling for re-use. The earthwork operations will consist of removing the existing fill material with self-loading push-pull scrapers or other appropriate equipment until the excavation areas become unstable due to wet soil conditions that exist on this site. At that point the equipment will be top loaded so as to minimize the effect that the rubber tired equipment will have on the wet soils. It is anticipated that at least two loaders will work in conjunction with the scraper operation to separate and remove any unsuitable materials, that is, oversized debris (e.g., concrete slabs) and contaminated soils. A tractor and disc may also be used to dry out the excavated wet soils.

The existing metals-impacted fill material on the Yard Parcel (**Figure 3**) will be excavated to native soils. This impacted fill material will be transported to the Long Beach Parcel and replaced and compacted to a height no greater than approximately 23 feet above mean sea level, which is the height of the adjacent river bike trail. Note that any surplus of confirmed “clean” soil on the Long Beach Parcel may be transported to and used on the Yard Parcel to maintain grades for drainage, etc.

As lead is the primary COPC, an XRF analyzer will be used as a field screening tool, supplemented with laboratory analysis of selected samples. As native soils are exposed below the fill, they will likely be moist to wet, which interferes with the XRF’s accuracy. Therefore, use of the XRF may be limited for screening and more reliance on laboratory testing results may be implemented. When native soils are reached on the Yard Parcel, confirmation soil samples will be collected and analyzed on a 24-hour turnaround at a state-certified laboratory in order to confirm field screening results and/or cleanup goals. Confirmation soil samples will also be

collected and analyzed from the clean and “dirty” stockpiles to verify XRF screening results and confirm the appropriate placement of soils on the Yard and Long Beach Parcels.

Confirmation samples will be collected in glass jars upon which a solvent-free label noting the date of collection, sample number, and project number will be affixed. Immediately following labeling, samples will be placed in a chilled cooler for transport and submittal to a California Department of Health Services-certified laboratory for analysis on a 24-hour rush analysis. All confirmation samples will be analyzed for total lead by EPA Method 6010B. Approximately 5 percent of the confirmation samples will be analyzed for all Title 22 metals by EPA Method 6010B/7000 series. Soil samples will be tracked from point of collection through the laboratory using standard chain-of-custody protocol.

If the concentration of lead (or any other identified COPC) exceeds the cleanup goal in any confirmation sample, additional excavation and sampling will be conducted. Excavation will continue on the Yard Parcel until COPC concentrations are below cleanup goals.

The native soils may be very wet and require special handling and/or stabilization prior to placing compacted clean fill soil over them. This work will require the use of track-mounted equipment, placement of stabilization fabric and a layer of either crushed concrete or imported gravel to stabilize the wet soils. Once the areas are stabilized, clean fill soil will be placed until the designed elevations are achieved.

4.4 CHARACTERIZATION OF STOCKPILES

Excavated “clean” cover soils from the Yard Parcel and the Long Beach Parcel will be stockpiled on plastic sheeting (Visqueen) to prevent mixing with underlying soils and/or asphalt, and covered with plastic sheeting at the end of the day. As discussed above, these stockpiles will be sampled to confirm they are viable for reuse upon completion of removal of impacted fill material.

It is anticipated that all other impacted fill material will be excavated and transferred to the 1.7-acre AOC to be retained by the City of Long Beach, as discussed below. However, if any impacted material is required to be removed from the Property (i.e. there isn’t enough space to pile it all on the 1.7-acre area) then surplus impacted material will be placed in stockpiles on plastic sheeting and covered at the end of the day. For these stockpiles, if any, composite samples will be collected and analyzed to characterize the soils for disposal in accordance with disposal facility and regulatory requirements.

A minimum of four samples will be collected from a stockpile of up to 1,000 cubic yards. For each additional 500 cubic yards of stockpile material, an additional sample will be collected and analyzed. All stockpile samples will be analyzed for Title 22 Metals (EPA 6010B/7000 series). In addition, as necessary for profiling and disposal facility purposes, stockpile samples will be analyzed for additional analytical parameters such as TPH (EPA Method 8015M) and VOCs (EPA Method 8260B).

Additionally, Title 22 of the California Code of Regulations (CCR) lists the concentrations of 17 heavy metals (and other contaminants as well), which, if present in soils or other solid wastes

above specified concentrations, would be considered hazardous for the purposes of disposal. The Title 22 regulations define both a total threshold limit concentration (TTLC), as well as a soluble threshold limit concentration (STLC), for each metal or contaminant. The TTLC limits are based on the total concentration of a contaminant within the solid soil sample. The STLC limits are based on a solvent extract of the soluble fraction of the contaminant from a solid soil sample. Soils with metals concentrations at or above the STLC or TTLC limits would be considered hazardous for the purposes of disposal.

It should be noted that based on the analytical methodology, the soluble fraction cannot exceed one-tenth the total concentration. As an example, if the total concentration of a contaminant were 50 mg/kg, the maximum possible soluble concentration of that contaminant in the same sample would be 5 mg/l. In practice, this is almost never the case, especially in soil samples, as a significant portion of the contaminant is invariably bound with the soil matrix.

It should also be noted that a total concentration in excess of ten times the STLC has no regulatory significance. It simply indicates the possibility that the soluble extract could contain a concentration above the STLC. The “ten times STLC” level will be used as a trigger to conduct further analysis (i.e., the soluble analysis) of a sample. The STLC for lead is 5 mg/kg, therefore any stockpile samples with lead concentration greater than 50 mg/kg (10 times the STLC) will be further characterized using the “wet” extraction method.

Based on analytical data, SCS will provide recommendations for reuse or disposal, as necessary. Samples will be analyzed on a 24-hour rush basis (if required), in order to characterize, profile, and obtain approval from various possible disposal/recycling facilities as quickly as possible in order to load and transport the soil stockpiles from the Property and prevent construction/grading delays.

5.0 CONCEPTUAL AOC DESIGN

The final cap design, with plans and specifications, will be provided to DHHS for approval following approval of the conceptual design outlined below.

5.1 CONSOLIDATING IMPACTED SOILS IN THE AOC

As indicated, the metals-impacted refuse material excavated from the Yard Parcel will be re-located and consolidated on the Long Beach Parcel, the designated AOC, that will be purchased and maintained by the City of Long Beach.

The lead-impacted fill material will be consolidated in the AOC by placing it in lifts and compacted to a degree appropriate for use of the area for a bike storage facility or other similar use. The placement of the material will be in a pile no higher than 23 feet above mean sea level (which is the approximate surveyed elevation of the adjacent river bike bath) with approximately 2:1 slopes. Large pieces of debris (i.e. light posts, large diameter concrete, footings, etc.) will be removed if not viable for compaction.

5.2 ASPHALT CAP DESCRIPTION

As previously discussed, it is anticipated that all impacted fill material from the Yard Parcel will be excavated and transferred to the 1.7-acre Long Beach Yard/AOC to be retained by the City of Long Beach (**Figure 3**). In turn, any surplus of confirmed “clean” soil on the Long Beach Parcel may be used on the Yard Parcel.

Once the impacted fill material is placed and compacted approximately 1 to 2 feet of clean cover soil will be placed over the impacted material and an asphalt cap and/or hydroseed or other capping device will be placed over the cover soil.

6.0 LONG TERM STEWARDSHIP

Specifications for the long term stewardship of the Long Beach Parcel and AOC will be provided in the final remedial design. In general, the long term stewardship will include the following:

6.1 INSTITUTIONAL CONTROLS

Upon completion of the remedial action and placement of the cap, institutional controls such as a deed restriction will be placed on the capped AOC parcel. The purpose of the deed restriction will be to restrict the use of the AOC where hazardous wastes will remain onsite and to stop or reduce the exposure of human and environmental receptors, and to ensure that the cap maintains its integrity and effectiveness.

6.2 OPERATION AND MAINTENANCE PLAN

As part of the cap remedial measure, a Long Term Operation and Maintenance Plan (LTOMP) will be prepared and submitted to DHHS for approval to ensure the integrity of the cap is not compromised and maintained in good condition so it remains protective of public health and the environment.

An agreement will be made between the City of Long Beach and DHHS specifying the requirements and providing financial assurance for future operation and maintenance of the cap. The LTOMP will likely consist of an annual inspection and letter to DHHS indicating that, based on the inspection, the cap is still in place and has not been disturbed or otherwise compromised.

The LTOMP will include a contingency plan that will be implemented if immediate corrective action is required to ensure protection of human health and the environment. In addition, the LTOMP will also include a five-year review plan.

7.0 POST-CLEANUP EVALUATION (RISK SCREENING)

Data collected during confirmation sampling of the Yard Parcel will be used to determine if further analysis of the data will be required for a post-cleanup evaluation. If all confirmation samples collected on the Yard Parcel, as discussed above, are below their respective cleanup goals (CHHSLs), no further evaluation will be necessary. If some exceedances remain in place

the data generated will be used to conduct a post-cleanup evaluation (as described in the PT&R guidance) to be included in the summary report. The evaluation will include minimum and maximum concentrations, mean concentration, the 95 percent Upper Confidence Level (UCL) on the mean, and the cleanup goal.

For the Long Beach Parcel/AOC, where the material will be capped in place, a risk evaluation is not required or necessary. When evaluating risk to human health, inhalation, dermal exposure and drinking water are three pathways commonly evaluated. The purpose of the cap is to eliminate the dermal and inhalation risk to human health. Groundwater in the area is not used for drinking water and previous analyses indicate the lead, based on TCLP analysis, is not a significant threat to groundwater.

8.0 HEALTH AND SAFETY

A site specific Health and Safety Plan, provided in **Appendix D**, will be in effect during the remediation work. Personnel involved in the mitigation activities will adhere to proper health and safety protocols as described therein. Field personnel will have certification of having completed a 40-hour Health and Safety course. Dust suppression and monitoring will be conducted to protect site personnel and the surrounding community.

An SCS representative will serve as Health and Safety Officer. This person will be responsible for monitoring potentially hazardous situations during mitigation activities and will ensure that all personnel know the potential physical and chemical hazards, and are trained in the proper use of personal protective equipment. It is anticipated that Level D will be the highest level of personal protective equipment necessary throughout the remedial action.

9.0 SCHEDULE AND REPORTING

A summary report of remediation and sampling activities including a discussion of field activities, methodology, figures, analytical results, QA/QC documentation, and conclusions and recommendations will be prepared and submitted approximately 4 to 6 weeks after completion of mitigation activities and receipt of supporting documentation (e.g., completed waste manifests). Field notes, analytical reports, manifests, and other supporting documentation will be appended as appropriate. The DHHS will be notified in advance of the dates and times of field activities.

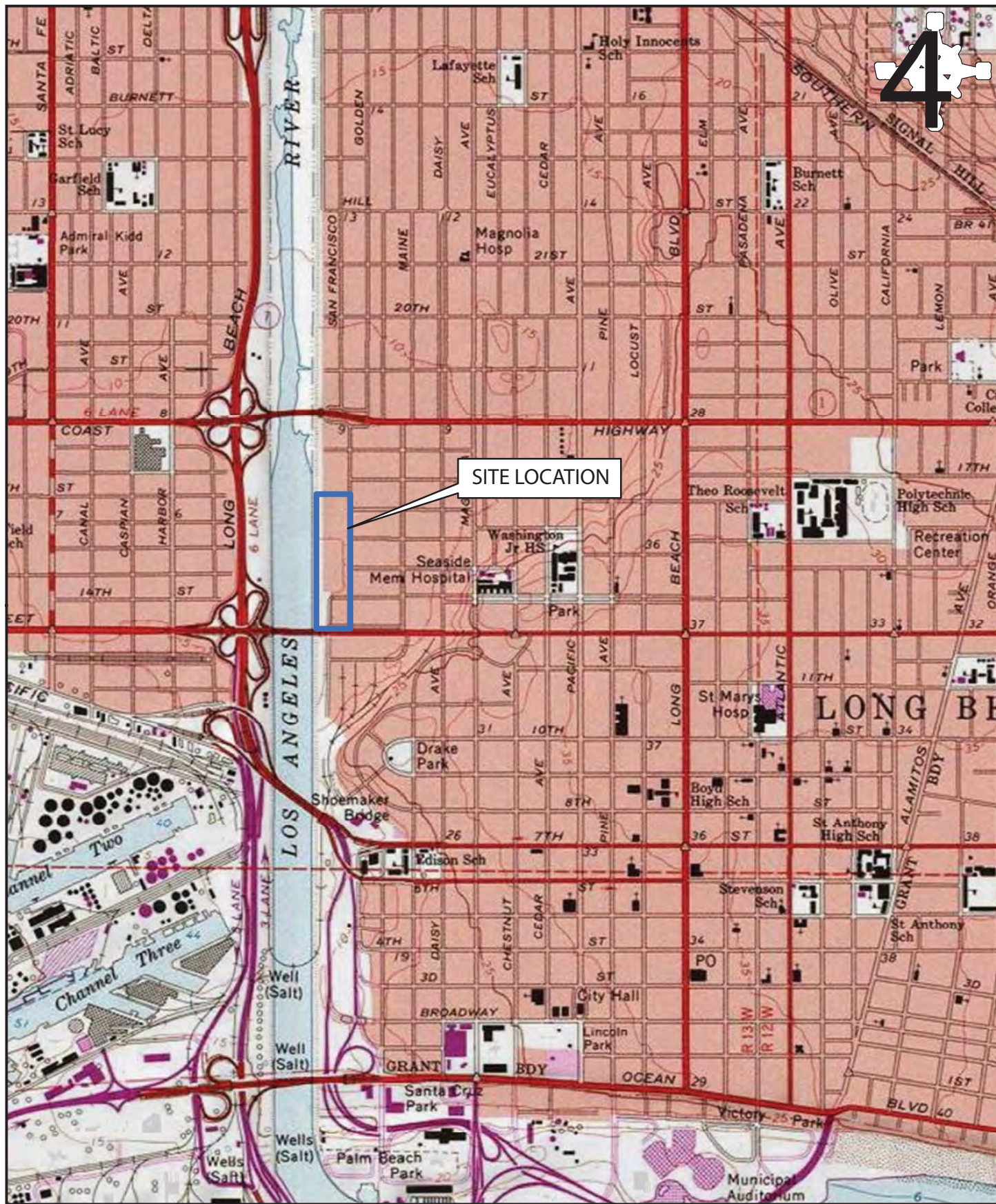
10.0 REFERENCES

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SCS Engineers, May 9, 2013. *Draft Summary of Site Characterization Activities and Analytical Data Letter, Former Long Beach Public Service Yard, 1725 San Francisco Avenue, Long Beach, California.*

State Water Resources Control Board, GeoTracker website, <http://geotracker.swrcb.ca.gov/>

FIGURES



SOURCE: 7.5 MINUTE TOPOGRAPHIC MAP
UNITED STATES GEOLOGICAL SURVEY
LONG BEACH, CA, PHOTO-REVISED 1981
ORIGINAL MAP DATE: 1973

SCS ENGINEERS

3900 KILROY AIRPORT WAY, STE 100
LONG BEACH, CALIFORNIA 90806-6816

PROJECT NO:

01210161.01

DRAWN BY:

A. STODDARD

APPROVED BY:

A. HUTCHENS

0 1,000 2,000
Feet
1 in = 2,000 ft

FIGURE

SITE:

FORMER LONG BEACH PUBLIC SERVICE YARD
LONG BEACH, CA 90813

TITLE:

SITE LOCATION MAP

1

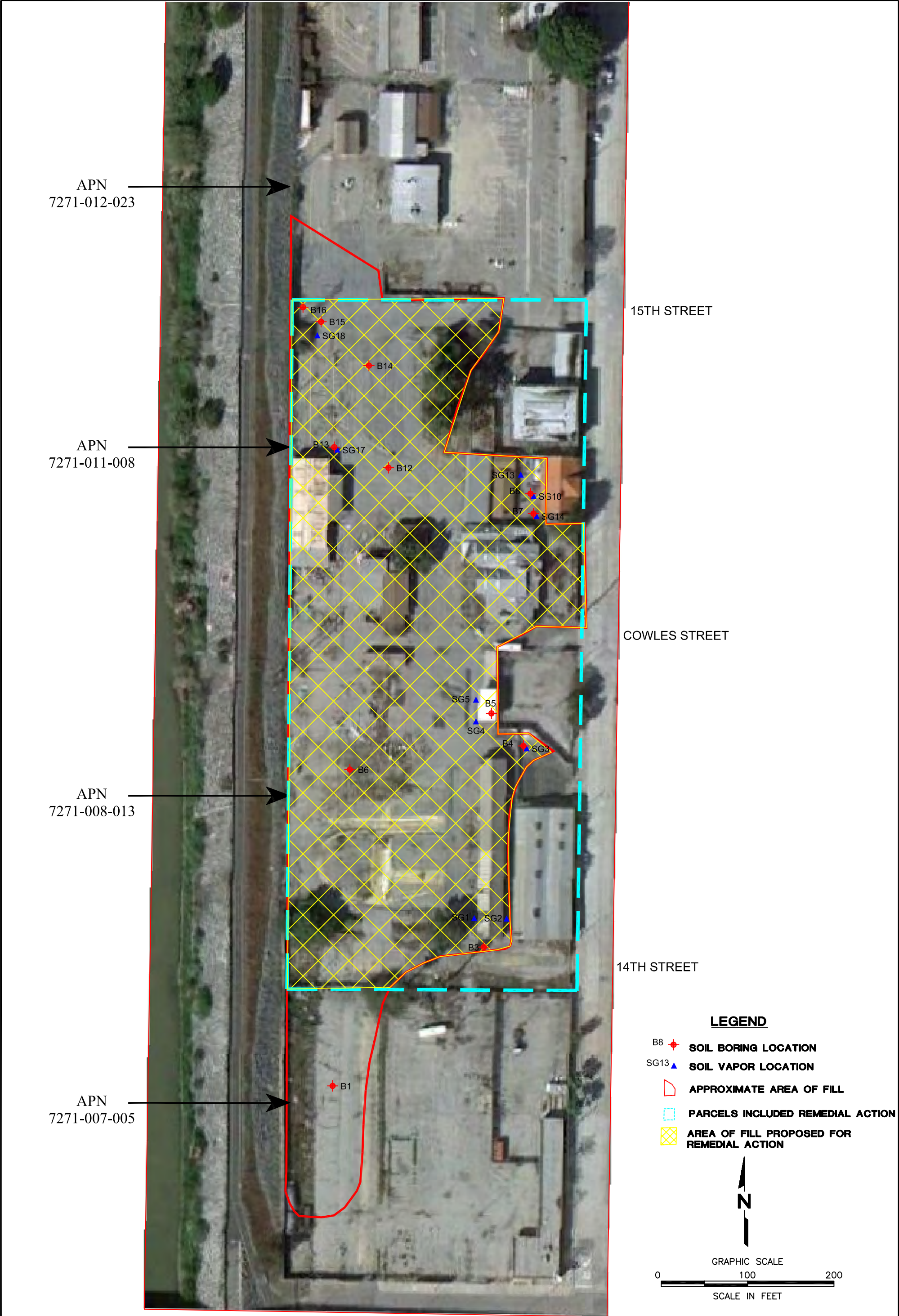


FIGURE 2	DRAWING NO.	SCALE: 1"=100'	DATE: MAY 2014	SCS ENGINEERS ENVIRONMENTAL CONSULTANTS 3900 KILROY AIRPORT WAY, SUITE 100 LONG BEACH, CA 90806 PH. (562) 426-9544 FAX. (562) 427-0805			CLIENT: SAN FRANCISCO YARD, LLC 100 BAYVIEW CIRCLE, SUITE 130 NEWPORT BEACH, CA 92660	SHEET TITLE: APPROXIMATE AREA PROPOSED FOR REMEDIAL ACTION		NO. △ △ △ △ △ △ △	REVISION	DATE	
								PROJECT TITLE: FORMER LONG BEACH PUBLIC SERVICE YARD 6 PARCELS AT ANAHEIM ST. AND SAN FRANCISCO AVE.					
PROJ. NO. 01210161.09			DWG. BY: R. RAMIREZ		ACAD FILE: J/HW/2010								
DSNL BY: A. HUTCHENS			CHK. BY: A. HUTCHENS		APP. BY: A. HUTCHENS								



Figure 3. Proposed Ownership for Remedial Areas of Former Long Beach Service Yard.

TABLES

TABLE 1
SUMMARY OF ANALYTICAL RESULTS FOR SOIL GAS SURVEY
FILL AREA AT LONG BEACH PUBLIC SERVICE YARD
1601 SAN FRANCISCO AVENUE, LONG BEACH, CALIFORNIA

Sample Number (or Boring ID)	Sample Depth (feet bgs)	Sampling Date	VOLATILE ORGANIC COMPOUNDS (VOCs) (By GC/MS Using EPA Method 8260B)
			1,1,1 -TCA (1,1,1-Trichloroethane)
			micrograms per liter (µg/L)
SG1	5	June 20, 2005	<1.0
SG2	5		<1.0
SG3	5		<1.0
SG4	5		<1.0
SG5	5		<1.0
SG12	5		2.6
SG13	5		<1.0
SG14	5		<1.0
SG17	5		<1.0
SG18	5	June 21, 2005	<1.0
Residential CHSSL			991
Commercial CHSSL			2,790

Notes:

- 1) bgs = below ground surface
- 2) Residential/Industrial CHHSL = California Human Health Screening Level for commercial/industrial land use as published by the California Environmental Protection Agency, June 2005.
- 3) Only VOCs detected are listed; all other analytes were non-detect.

TABLE 2
SUMMARY OF ANALYTICAL RESULTS FOR PETROLEUM HYDROCARBONS, VOLATILE ORGANIC COMPOUNDS, AND PESTICIDES
FILL AREA AT LONG BEACH PUBLIC SERVICE YARD
1601 SAN FRANCISCO AVENUE, LONG BEACH, CALIFORNIA

Sample Number (or Boring ID)	Sample Depth (feet bgs)	Sampling Date	Total Petroleum Hydrocarbons (TPH) [EPA Method 8015B(M)]			Volatile Organic Compounds (EPA Method 5035/8260B)							Organo-Chlorine Pesticides (EPA Method 8081A)
			Gasoline Range (C ₄ -C ₁₂)	Diesel Range (C ₁₃ -C ₂₂)	Heavy Hydcarbon Range (C ₂₃ -C ₄₀)	1,1,1-Trichloroethane	Dibromochloromethane	n-Propylbenzene	sec-Butylbenzene	Isopropylbenzene	Naphthalene	tert-Butylbenzene	
			milligrams per kilogram (mg/kg), equivalent to parts per million			micrograms per kilogram (µg/kg), equivalent to parts per billion							
B4	10	6/20/05	--	--	--	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	--
B5	5		<1.0	<10	<10	--	--	--	--	--	--	--	--
B6	10		<41	<10	<10	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	--
B7	5		<45	<10	<10	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	--
B8	5		<38	<10	<10	4.9	4.3	<4.4	<4.4	<4.4	<4.4	<4.4	--
B12	5		<41	<10	104	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	--
B14	5		<1.0	<10	<10	--	--	--	--	--	--	--	--
	10		<1.0	<10	<10	--	--	--	--	--	--	--	--
B15	1		--	--	--	--	--	--	--	--	--	--	ND
	5		--	--	--	--	--	--	--	--	--	--	ND
B16	1		--	--	--	--	--	--	--	--	--	--	ND
	5		--	--	--	--	--	--	--	--	--	--	ND
RWQCB SSLs (<20 feet above groundwater)			100	100	1,000	--	--	--	--	--	--	--	--
Residential RSL			--	--	--	8,700,000	680	3,400,000*	--	2,100,000	3,600	--	--
Industrial RSL			--	--	--	38,000,000	3,300	21,000,000*	--	11,000,000	18,000	--	--

1) bgs = below ground surface
2) Residential/Industrial RSL = US EPA Region 9 Regional Screening Levels for Industrial Soils, November 2011 (http://www.epa.gov/reg3hwmd/risk/human/rb-concentration_table/Generic_Tables/pdf/master_sl_table_run_NOV2011.pdf).
3) * = RSL for propyl benzene
4) -- = Not Applicable or Not Analyzed
5) Only VOCs detected are listed; all other analytes were non-detect.

TABLE 3
SUMMARY OF ANALYTICAL RESULTS FOR METALS
FILL AREA AT LONG BEACH PUBLIC SERVICE YARD
1601 SAN FRANCISCO AVENUE, LONG BEACH CALIFORNIA

Sample (or Boring) ID	Sample Depth (feet bgs)	Sampling Date	Title 22 Metals (EPA Method 6010B, except Mercury by EPA Method 7471A)																
			Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
			milligrams per kilogram (mg/kg), equivalent to parts per million																
B1	5	6/21/05	<2.0	1.8	95	<1.0	<1.0	11	5.7	11	14	<0.10	<1.0	7	1.1	<1.0	<1.0	21	82
B3	1	6/20/05	<2.0	<1.0	69	<1.0	<1.0	14	7	12	24	<0.10	<1.0	17	1.3	<1.0	<1.0	26	110
B5	5		15	110	430	<1.0	5.6	62	13	920	2,400	0.22	<1.0	59	1.2	<1.0	<1.0	3	3,400
B8	5		<2.0	3.2	160	<1.0	<1.0	23	14	43	18	0.15	<1.0	18	1.2	<1.0	<1.0	49	93
B12	1	6/20/05	<2.0	4.8	380	<1.0	4.0	56	9.6	390	990	0.36	<1.0	44	<1.0	<1.0	<1.0	11	1,400
B13	1		<2.0	2.3	110	<1.0	<1.0	11	4.8	14	48	0.15	<1.0	7.7	1.8	<1.0	<1.0	23	93
B14	1		<2.0	1.0	130	<1.0	<1.0	13	6.8	12	8.8	0.10	<1.0	8.9	1.3	<1.0	<1.0	26	47
	5		<2.0	2.4	620	<1.0	2.3	21	5.7	97	1,100	0.11	<1.0	18	1.3	<1.0	<1.0	14	590
	10		<2.0	<1.0	360	<1.0	1.0	20	10	83	1,300	0.19	<1.0	14	1.9	<1.0	<1.0	33	290
Typical Range for CA Soils*			0.15-1.95	0.6-11	133-1,400	0.25-2.7	0.05-1.7	23-1579	2.7-46.9	9.1-96.4	12.4-97.1	0.1-0.9	0.1-9.6	9-509	0.015-0.430	0.1-8.3	0.17-1.1	39-288	88-236

Health Risk Criteria

Residential RSL	31	0.39	15,000	160	70	120,000/0.29±	23	3,100	400	23	390	1,500	390	390	0.78	390	23,000
Industrial RSL	410	1.6	190,000	2,000	800	1,500,000/5.6±	300	41,000	800	310	5,100	20,000	5,100	5,100	10	5,200	310,000
Residential CHHSL	30	0.070	5,200	150	1.7	100,000/17±	660	3,000	80	18	380	1,600	380	380	5.0	530	23,000
Industrial CHHSL	380	0.24	63,000	1,700	7.5	100,000/37±	3,200	38,000	320	180	4,800	16,000	4,800	4,800	63	6,700	100,000

Waste Disposal Criteria

TTL	500	500	10,000	75	100	2,500	8,000	2,500	1,000	20	3,500	2,000	100	500	700	2,400	5,000
STLC**	15	5	100	0.75	1	5	80	25	5	0.2	350	20	1	5	7	24	250
TCLP**	NA	5	100	NA	1	5	NA	NA	5	0.2	NA	NA	1.0	5	NA	NA	NA

Notes:

- 1) bgs = below ground surface
- 2) * Bradford, G.R., Chang, A.C., Page, A.L., Bakhtar, D., Fampton, J.A., and Wright, H., 1996, *Background Concentrations of Trace and Major Elements in California Soils*, Kearney Foundation of Soil Science Special Report, Division of Agriculture and Natural Resources, University of California.
- 3) ** - Values in milligrams per liter (mg/L)
- 4) ± - Value for total chromium (assumes 1:6 ratio of Cr VI:Cr III)
- 5) Residential/Industrial RSL = US EPA Region 9 Regional Screening Levels for Industrial Soils, November 2011 (http://www.epa.gov/reg3hwmd/risk/human/rb-concentration_table/Generic_Tables/pdf/master_sl_table_run_NOV2011.pdf).
- 6) Residential/Industrial CHHSL = California Human Health Screening Level for commercial/industrial land use as published by the California Environmental Protection Agency, June 2005. The CHHSL for lead was revised in September 2009.
- 7) TTL = Total Threshold Limit Concentration as identified in Title 22 of the California Code of Regulations. Wastes with concentrations above this value are considered hazardous for the purposes of disposal under California regulations.
- 8) STLC = Soluble Threshold Limit Concentration, in mg/L, as identified in Title 22 of the California Code of Regulations. A concentration of ten times the STLC is sometimes used as a trigger to conduct further analysis (i.e., the soluble analysis) of a sample to determine disposal requirements. Wastes with soluble concentrations above this value are considered hazardous for the purposes of disposal under California regulations.
- 9) TCLP = Toxicity Characteristic Leaching Procedure concentration, in mg/L, as identified in the Code of Federal Regulations. Wastes with soluble concentrations above this value are considered hazardous for the purposes of disposal under federal regulations.

APPENDIX A
SITE REMEDIATION PERMIT

CITY OF LONG BEACH
DEPARTMENT OF HEALTH AND HUMAN SERVICES
DIVISION OF HAZARDOUS MATERIALS
2525 Grand Avenue, Long Beach, CA 90815
PERMIT TO OPERATE

No.: 030812

Date: March 8, 2012

The Division of Hazardous Materials hereby authorizes the permittee named below to conduct REMEDIAL ACTION at the Former City of Long Beach Public Service Yard, **1725 San Francisco Avenue, Long Beach, California**

In conformity with existing ordinances regulating Environmental Health. *Permit expires 90 days from issuance date.*
THIS PERMIT IS NOT TRANSFERABLE, and may be suspended or revoked for just cause.

Permittee: **San Francisco Yard LLC**

Consultant: **SCS Engineers**
3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806

Acting Health Officer: Mauro Torno, M.D.

DR. M. TORNIO, CITY HEALTH OFFICER

THIS PERMIT MUST BE POSTED IN A CONSPICUOUS PLACE AT THE ABOVE SITE ADDRESS

APPENDIX B

NO FURTHER ACTION LETTERS



California Regional Water Quality Control Board Los Angeles Region



Linda S. Adams
Acting Secretary for
Environmental Protection

320 West Fourth Street, Suite 200, Los Angeles, California 90013
(213) 576-6600 • Fax (213) 576-6640
<http://www.waterboards.ca.gov/losangeles>

Edmund G. Brown, Jr.
Governor

July 6, 2011

Mr. Frank Neely
City of Long Beach, Fleet Services
2600 Temple Avenue
Long Beach, CA 90806

**Underground Storage Tanks Program – Case Closure
Former Long Beach City Tow Yard
901 Anaheim Street West, Long Beach (Case No. 908130498) (Priority D-1 Site)**

Dear Mr. Neely:

This letter confirms the completion of a site investigation and corrective action for the underground storage tank(s) formerly located at the above-described location. Thank you for your cooperation throughout this investigation. Your willingness and promptness in responding to our inquiries concerning the former underground storage tank(s) are greatly appreciated.

Based on information in the above-referenced file and with the provision that the information provided to this agency was accurate and representative of site conditions, this agency finds that the site investigation and corrective action carried out at your underground tank(s) site is in compliance with the requirements of subdivision (a) and (b) of Section 25296.10 of the Health and Safety Code and with corrective action regulations adopted pursuant to Section 25299.3 of the Health and Safety Code and that no further action related to the petroleum release(s) at the site is required.

This notice is issued pursuant to subdivision (g) of Section 25296.10 of the Health and Safety Code.

If you have groundwater monitoring wells at the subject site, you must comply with the following:

1. All wells must be properly located and abandoned.
2. Well abandonment permits and all other necessary permits must be obtained from the appropriate agencies prior to the start of work.
3. You must submit a report on the abandonment of the wells to this office by **October 30, 2011**. This report must include, at a minimum, a site map, a description of the well abandonment process, and copies of all signed permits.

California Environmental Protection Agency

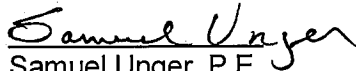
Frank Neely
Former Long Beach City Tow Yard UST case
901 Anaheim St. W.

- 2 -

July 6, 2011

If you have any questions regarding this matter, please contact Mr. Dave Bjostad at (213) 576-6712 or dbjostad@waterboards.ca.gov, or contact Dr. Weixing Tong at (213) 576-6715 or wtong@waterboards.ca.gov.

Sincerely,


Samuel Unger, P.E.
Executive Officer

cc: Kathy Jundt, State Water Resources Control Board, UST Cleanup Fund
Carmen Piro, City of Long Beach Department of Health and Human Services
Nancy Matsumoto, Water Replenishment District of Southern California
Clark Neuhoff, San Francisco Yard LLC, property owner (100 Bayview Circle, #310, Newport Beach, CA 92660)
Long Beach Redevelopment Agency, c/o Craig Justesen, Overland, Pacific & Cutler, Inc.
(3750 Schauffele Ave., Suite 150, Long Beach, CA 90808)
Kevin Green, SCS Engineers



Matthew Rodriguez
Secretary for
Environmental Protection

California Regional Water Quality Control Board Los Angeles Region

320 West Fourth Street, Suite 200, Los Angeles, California 90013
(213) 576-6600 • FAX (213) 576-6640
<http://www.waterboards.ca.gov/losangeles>



Edmund G. Brown Jr.
Governor

July 3, 2012

Ms. Carmen Piro
City of Long Beach
333 West Ocean Blvd.
Long Beach, CA 90802

**UNDERGROUND STORAGE TANKS PROGRAM – CASE CLOSURE
PUBLIC SERVICE YARD (PRIORITY D-1 SITE)
1725 SAN FRANCISCO AVENUE, SITE 43, LONG BEACH (FILE NO. 908130607)**

Dear Ms. Piro:

This letter confirms the completion of a site investigation and corrective action for the underground storage tanks formerly located at the above-described location. Thank you for your cooperation throughout this investigation. Your willingness and promptness in responding to our inquiries concerning the former underground storage tanks are greatly appreciated.

Based on information in the above-referenced file and with the provision that the information provided to this agency was accurate and representative of site conditions, this agency finds that the site investigation and corrective action carried out at your underground tank(s) site is in compliance with the requirements of subdivision (a) and (b) of Section 25296.10 of the Health and Safety Code and with corrective action regulations adopted pursuant to Section 25299.3 of the Health and Safety Code and that no further action related to the petroleum release(s) at the site is required.

This notice is issued pursuant to subdivision (g) of Section 25296.10 of the Health and Safety Code.

Claims for reimbursement of corrective action costs submitted to the Underground Storage Tank Cleanup Fund more than 365 days after the date of this letter or issuance or activation of the Fund's Letter of Commitment, whichever occurs later, will not be reimbursed unless one of the following exceptions applies:

- Claims are submitted pursuant to Section 25299.57, subdivision (k) (reopened UST case); or
- Submission within the timeframe was beyond the claimant's reasonable control, ongoing work is required for closure that will result in the submission of claims beyond that time period, or that under the circumstances of the case, it would be unreasonable or inequitable to impose the 365-day time period.

Ms. Carmen Piro

- 2 -

July 3, 2012

Please contact Mr. Noman Chowdhury at (213) 576-6704 or nchowdhury@waterboards.ca.gov if you have any questions regarding this matter.

Sincerely,



Samuel Unger, PE
Executive Officer

cc: Ms. Kathy Jundt, State Water Resources Control Board, UST Cleanup Fund
Ms. Phuong Ly, Water Replenishment District of Southern California
Mr. Richard Lavin, Los Angeles County, Department of Public Health, Environmental Health Division-Water & Sewage
Ms. Susan L Mearns, Mearns Consulting LLC
Mr. Matt Englhard, ALERE Property Group LLC



CITY OF LONG BEACH

DEPARTMENT OF HEALTH AND HUMAN SERVICES

2525 GRAND AVENUE • LONG BEACH, CALIFORNIA 90815 • (562) 570-4000

July 11, 2012

Clark Neuhoff
San Francisco Yard LLC
100 Bayview Circle, Suite 310
Newport Beach, CA 92660

Regarding: 1725 San Francisco Avenue, Long Beach
(Parcel 7271-007-005/Southern Parcel)

Dear Mr. Neuhoff:

This letter confirms the completion of a site investigation related to the characterization of the soil at the former Long Beach City Public Service Yard, located at the above referenced location.

This letter specifically addresses the above referenced parcel and does not extend to other sections at the property.

Based on the Confirmation Sampling Report prepared by SCS Engineers, dated March 2, 2012, and with the provision that the information provided to this Agency was accurate and representative of site conditions, no further action is required.

Please note that this correspondence does not exempt you of any liability under the California Health and Safety Code or Water Code for past, present or future operations at the site address. Additionally, you maintain responsibility to correct any additional or previously unidentified conditions, which cause, or may thereafter cause, pollution or nuisance, or otherwise pose a threat to water quality or public health.

If you require additional information regarding this matter, you may contact Hazardous Materials Specialist, Carmen Piro at 562/570-4137

Sincerely,

Nelson Kerr, R.E.H.S., M.P.A.
Manager, Bureau of Environmental Health

cc: City of Long Beach Fire Prevention-Tim Buzbee
City of Long Beach Department of Public Works-Mike Conway. 333 West Ocean Blvd, 9th Floor, Long Beach, CA 90802
City of Long Beach Department of Development Services-Amy J. Bodeck. 333 West Ocean Blvd, 3rd Floor, Long Beach, CA 90802
City of Long Beach Department of Development Services/Building Bureau-Angela Reynolds. 333 West Ocean Blvd, 4th Floor, Long Beach, CA 90802
SCS Engineers-Kevin Green. 3900 Kilroy Way, Suite 100, Long Beach, CA 90806



CITY OF LONG BEACH

DEPARTMENT OF HEALTH AND HUMAN SERVICES

2525 GRAND AVENUE • LONG BEACH, CALIFORNIA 90815 • (562) 570-4000

July 11, 2012

Clark Neuhoff
San Francisco Yard LLC
100 Bayview Circle, Suite 310
Newport Beach, CA 92660

Regarding: 1725 San Francisco Avenue, Long Beach
(Parcel 7271-012-023/Northern Parcel)

Dear Mr. Neuhoff:

This letter confirms the completion of a site investigation related to the characterization of the soil at the former Long Beach City Public Service Yard, located at the above referenced location.

This letter specifically addresses the above referenced parcel and does not extend to other sections at the property.

Based on the Confirmation Sampling Report prepared by SCS Engineers, dated March 2, 2012, and with the provision that the information provided to this Agency was accurate and representative of site conditions, no further action is required.

Please note that this correspondence does not exempt you of any liability under the California Health and Safety Code or Water Code for past, present or future operations at the site address. Additionally, you maintain responsibility to correct any additional or previously unidentified conditions, which cause, or may thereafter cause, pollution or nuisance, or otherwise pose a threat to water quality or public health.

If you require additional information regarding this matter, you may contact Hazardous Materials Specialist, Carmen Piro at 562/570-4137

Sincerely,

Nelson Kerr, R.E.H.S., M.P.A.
Manager, Bureau of Environmental Health

Cc: City of Long Beach Fire Prevention-Tim Buzbee
City of Long Beach Department of Public Works-Mike Conway. 333 West Ocean Blvd, 9th Floor, Long Beach, CA 90802
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City of Long Beach Department of Development Services/Building Bureau-Angela Reynolds. 333 West Ocean Blvd, 4th Floor, Long Beach, CA 90802
SCS Engineers-Kevin Green. 3900 Kilroy Way, Suite 100, Long Beach, CA 90806

APPENDIX C

DRAFT SUMMARY OF SITE CHARACTERIZATION ACTIVITIES LETTER (SCS, MAY 9, 2013)

SCS ENGINEERS

May 9, 2013
Project No. 01212361.00

Via email (Richard.Anthony@longbeach.gov)

Mr. Richard Anthony
The City of Long Beach
333 W. Ocean Blvd
Long Beach, CA 90802
(562) 570-5282

**Subject: Summary of Site Characterization Activities and Analytical Data
Former Long Beach Public Service Yard
1725 San Francisco Avenue, Long Beach, California (the "Property")**

Dear Mr. Anthony:

SCS Engineers is providing this letter to describe site characterization activities recently conducted at the Former Long Beach Public Service Yard as a part of the proposed redevelopment of the Property by Alere Property Group LLC. Upon completion of clearing and grubbing the Property, SCS conducted two days of field activities (April 24 and 25, 2013), to assess the extent of lead-impacted soils onsite. On April 24, 2013, SCS used an X-Ray fluorescence (XRF) analyzer to screen surface soils in the field for lead concentrations. Nine soil samples were also collected for analysis at a fixed laboratory (Chemtek Environmental Laboratories, Inc.) to confirm and compare the results with the XRF screening data. Analytical results showed good correlation between the XRF as a screening tool and laboratory analytical results (enclosed Chemtek report dated April 25, 2013). The XRF screening and laboratory results for April 24 showed surface soils were generally "clean," with only a few sporadic areas with lead concentrations above the remediation cleanup goal of 320 parts per million (ppm) lead.

On April 25, 2013, SCS was onsite with two XRF analyzers and an excavator and operator provided by Boberg Engineering & Contracting, Inc. An initial excavation near the southern property line identified a layer of debris with apparent burn ash, between the "clean" surface soils and native soils (at about street elevation), that contained concentrations of lead up to several thousand ppm or more. To determine the extent of this debris and ash layer, nineteen test pits were subsequently excavated across the Property to determine if buried debris was present, thickness of the debris layer, and relative thickness of the cover soil. Excavation of the test pits determined that the debris/ash layer occurs across the Property ranging in thickness from approximately 2 feet near the southeast corner to approximately 10.5 feet near the northwest corner of the Property. Figure 2 (enclosed) provides an isopach map showing the approximate location and thickness of the debris/ash layer with elevated lead concentrations on the Property, based on observations and XRF screening from the 19 test pits. Our calculations show that this debris/ash layer totals approximately 40,000 cubic yards of material, or approximately 60,000 tons.

In order to further characterize the nature of the impacted soil for evaluation of disposal options (i.e., non-hazardous, California hazardous, or RCRA hazardous), the debris and impacted soil from the initial excavation and 19 test pits was segregated and loaded into a truck and transported to a location at the northwest portion of the Property for stockpiling. Two composite samples were collected from this stockpile (one from the north end [SP-North Comp] and one from the south end [SP-South Comp]). These stockpile samples were collected by grabbing discrete sub-samples from numerous locations and placing them into a baggie to be well mixed and then placed into a jar for submittal to the laboratory for analysis of CCR Title 22 metals, total petroleum hydrocarbons (TPH), and volatile organic compounds. Based on the initial lab results, additional analyses were conducted for soluble lead concentrations using two methods – the California Waste Extraction Test (WET, for comparison to the Soluble Threshold Limit Concentration [STLC]) and the federal Toxicity Characteristic Leaching Procedure (TCLP), and soluble zinc concentrations using the WET method. The results of these analyses are provided in the enclosed Chemtek report dated April 29, 2013. To summarize, the results of these analyses showed:

- No detectable concentrations of volatile organic compounds;
- TPH concentrations up to 28.3 and 156 milligrams per kilogram (mg/kg, equal to ppm) in the diesel and heavy range, respectively;
- Total lead concentrations of 1,210 and 1,110 mg/kg;
- Soluble lead concentrations using the WET method of 76.5 and 65.2 milligrams per liter (mg/l), above the STLC of 5 mg/l;
- Soluble lead concentrations using the TCLP method of 1.41 and 1.48 mg/l, below the limit of 5 mg/l; and
- A soluble zinc concentration of 130 mg/l, below its STLC of 250 mg/l.

These results show that there is a layer of debris and ash buried throughout most of the Property, totaling approximately 40,000 cubic yards, that would be classified as a California hazardous waste for the purposes of disposal. The stockpiled soil containing debris and ash was placed on and has been covered with Visqueen plastic until further notice.

Please call either of the undersigned at (562) 426-9544 if you have any questions.

Regards,

DRAFT

Ashley P. Hutchens
Project Manager
SCS ENGINEERS

DRAFT

Kevin W. Green, PG
Vice President
SCS ENGINEERS

Enclosures: Figure 2, Chemtek Laboratory Reports (April 25 and 29, 2013)

APN —
7271-007-005

14TH STREET

B8 SOIL BORING LOCATION

SG13 SOIL VAPOR LOCATION

 APPROXIMATE AREA OF FILL

 PARCELS INCLUDED REMEDIAL ACTION

 AREA OF FILL PROPOSED FOR REMEDIAL ACTION



GRAPHIC SCALE

0 100 200

SCALE IN FEET

CHEMTEK ENVIRONMENTAL LABORATORIES INC.

"An environment-friendly company"

13554 Larwin Circle, Santa Fe Springs, CA 90670

Tel. (562) 926-9848 FAX (562) 926-8324

CA Dept of Health Accredited. (ELAP No. 1435)

CERTIFICATE OF ANALYSIS

Job No. 304083

Date 04-25-13

This is the Certificate of Analysis for the following samples:

Client : SCS Engineers
Contact person : Ashley Hutchens
Project # : 01212361.00
Project Site : Long Beach Public Service Yard
Date of sample : 04-24-13
Date received : 04-25-13
Number of samples : 9
Sample matrix : soil

SAMPLE IDENTIFICATION

DATE SAMPLED

LABORATORY NUMBER

D3-2b/c(0)	04/24/13	304083-01A
N3-2a(+3)	04/24/13	304083-02A
J2-4c(+3)	04/24/13	304083-03A
A2-4b(0)	04/24/13	304083-04A
E1-4b(0)	04/24/13	304083-05A
M2-1b(+3)	04/24/13	304083-06A
O3-4d(+3)	04/24/13	304083-07A
H2-4c(+3)	04/24/13	304083-08A
K1-3d(+3)	04/24/13	304083-09A

Reviewed and Approved:



Michael C.C. Lu
Laboratory Director

CHEMTEK ENVIRONMENTAL LAB.
LABORATORY ANALYSIS REPORT

Client : SCS Engineers
Project : Long Beach Public Service Yard

Job No. : 304083

Date: 04-25-13

Analysis : Lead (Pb)
Method : EPA 7420
Reporting Unit: mg/Kg or ppm

Sample ID : See below
Sample Date : 04/24/13
Sample type : soil
Analysis date: see below

Sample ID	Analysis Date		Lead (mg/Kg)
D3-2b/c(0)	04/25/13		532
N3-2a(+3)	04/25/13		388
J2-4c(+3)	04/25/13		819
A2-4b(0)	04/25/13		9.9
E1-4b(0)	04/25/13		19.6
M2-1b(+3)	04/25/13		204
O3-4d(+3)	04/25/13		576
H2-4c(+3)	04/25/13		459
K1-3d(+3)	04/25/13		355
Detection Limit			2.0

TTL: Total Threshold Limit Concentration
ND: Not detected at specified limit

CHEMTEK ENVIRONMENTAL LAB.
LABORATORY ANALYSIS REPORT

QA/QC REPORT

EPA 7000
Unit: mg/kg

Job No. : 304083
Lab Sample ID : 304083-04A
Date Performed : 04-25-13

Analyte	%MS	%MSD	RPD	ACC
Lead	97.5	94.7	2.9%	0-30

%MS = % Matrix Spike Recovery *(Control Limits = 70% - 130%)
%MSD = % Matrix Spike Duplicate Recovery *(Control Limits = 70% - 130%)
RPD = Relative Percent Difference
ACC = Acceptance Control Criteria Limits

304083

NOTES:

CHEMTEK ENVIRONMENTAL LABORATORIES INC.

"An environment-friendly company"

13554 Larwin Circle, Santa Fe Springs, CA 90670

Tel. (562) 926-9848 FAX (562) 926-8324

CA Dept of Health Accredited. (ELAP No. 1435)

CERTIFICATE OF ANALYSIS

Job No. 304086

Date 04-29-13

This is the Certificate of Analysis for the following samples:

Client : SCS Engineers
Contact person : Ashley Hutchens
Project # : 01212361.00
Project Site : Long Beach Public Service Yard
Date of sample : 04-25-13
Date received : 04-25-13
Number of samples : 10
Sample matrix : soil

SAMPLE IDENTIFICATION

DATE SAMPLED

LABORATORY NUMBER

013-Exc.SP	04/25/13	304086-01A
06-Exc.SP	04/25/13	304086-02A
01-Exc.SP	04/25/13	304086-03A
F6-Exc.SP	04/25/13	304086-04A
K19-Exc.SP	04/25/13	304086-05A
E26-Sw(-1)	04/25/13	304086-06A
SP-North Comp	04/25/13	304086-07A
SP-South Comp	04/25/13	304086-08A
South SP(Grid E-15)	04/25/13	304086-09A
NE-SP(Grid C-22)	04/25/13	304086-10A

Reviewed and Approved:



Michael C.C. Lu
Laboratory Director

CHEMTEK ENVIRONMENTAL LAB.
LABORATORY ANALYSIS REPORT

Client : SCS Engineers
Project : Long Beach Public Service Yard

Job No. : 304086

Date: 04-29-13

Analysis : Lead (Pb)
Method : EPA 7420
Reporting Unit: mg/Kg or ppm

Sample ID : See below
Sample Date : 04/25/13
Sample type : soil
Analysis date: see below

Sample ID	Analysis Date		Lead (mg/Kg)
013-Exc.SP	04/25/13		294
06-Exc.SP	04/25/13		2790
01-Exc.SP	04/25/13		962
F6-Exc.SP	04/25/13		900
K19-Exc.SP	04/25/13		236
E26-Sw(-1)	04/25/13		2520
South SP(Grid E-15)	04/25/13		160
NE-SP(Grid C-22)	04/25/13		263
Detection Limit			2.0

TTL: Total Threshold Limit Concentration
ND: Not detected at specified limit

CHEMTEK ENVIRONMENTAL LAB.
LABORATORY ANALYSIS REPORT

Client : SCS Engineers
Project : Long Beach Public Service Yard

Job No. : 304086

Date: 04-29-13

Analysis : TTLC Metals (Title 22)
Method : AA Flame (EPA 7000 series)
Reporting Unit: mg/kg or ppm

Sample ID : see below
Sample type : soil
Sample date : 04-25-13
Analysis date: 04-25-13

Element	Sample ID				Detection Limit
	SP-North comp	SP-South comp			mg/Kg
Antimony	18.2	16.4			5.0
Arsenic	ND	ND			2.0
Barium	658	777			1.0
Beryllium	ND	ND			1.0
Cadmium	6.6	5.7			1.0
Chromium	35.8	36.0			1.0
Cobalt	10.7	10.1			1.0
Copper	222	186			1.0
Lead	1210	1110			2.0
Mercury	ND	ND			0.05
Molybdenum	ND	ND			2.0
Nickel	19.8	18.2			2.0
Selenium	ND	ND			2.0
Silver	ND	ND			1.0
Thallium	ND	ND			2.0
Vanadium	38.5	32.5			2.0
Zinc	2900	1670			5.0

TTLC: Total Threshold Limit Concentration
ND : Not detected at Detection Limit

**CHEMTEK ENVIRONMENTAL LAB.
LABORATORY ANALYSIS REPORT**

Client : SCS Engineers
Project : Long Beach Public Service Yard

Job No. : 304086

Date: 04-29-13

Analysis: EPA 8260B(Volatile Organics by GC-MS) Unit: µg/kg or ppb

Sample ID : SP-North Comp **Sample date** : 04-25-13
Sample matrix : soil **Analysis date** : 04-26-13
Dilution Factor : 1

Compound	Result	DLR	Compound	Result	DLR
Benzene	ND	1	trans-1,3-Dichloropropene	ND	1
Bromobenzene	ND	1	Ethylbenzene	ND	1
Bromochloromethane	ND	1	Hexachlorobutadiene	ND	1
Bromoform	ND	1	Isopropylbenzene	ND	1
Bromomethane	ND	1	4-Isopropyltoluene	ND	1
n-Butylbenzene	ND	1	Methylene Chloride	ND	5
sec-Butylbenzene	ND	1	Naphthalene	ND	1
tert-Butylbenzene	ND	1	n-propylbenzene	ND	1
Carbon Tetrachloride	ND	1	Styrene	ND	1
Chlorobenzene	ND	1	1,1,1,2-Tetrachloroethane	ND	1
Chloroethane	ND	1	1,1,2,2-Tetrachloroethane	ND	1
Chloroform	ND	1	Tetrachloroethene(PCE)	ND	1
Chloromethane	ND	1	Toluene	ND	1
2-Chlorotoluene	ND	1	1,2,3-Trichlorobenzene	ND	1
4-Chlorotoluene	ND	1	1,2,4-Trichlorobenzene	ND	1
2-Chloroethyl vinyl ether	ND	2	1,1,1-Trichloroethane	ND	1
Dibromochloromethane	ND	1	1,1,2-Trichloroethane	ND	1
1,2-Dibromo-3-chloropropane	ND	1	Trichloroethene(TCE)	ND	1
1,2-Dibromoethane (EDB)	ND	1	Trichlorofluoromethane	ND	1
Dibromomethane	ND	1	1,2,3-Trichloropropane	ND	1
1,2-Dichlorobenzene	ND	1	1,2,4-Trimethylbenzene	ND	1
1,3-Dichlorobenzene	ND	1	1,3,5-Trimethylbenzene	ND	1
1,4-Dichlorobenzene	ND	1	Vinyl Chloride	ND	1
Dichlorodifluoromethane	ND	1	Total Xylenes	ND	2
1,1-Dichloroethane	ND	1	Ethanol	ND	250
1,2-Dichloroethane	ND	1	MTBE	ND	1
1,1-Dichloroethene	ND	1	ETBE	ND	1
cis-1,2 Dichloroethene	ND	1	DIPE	ND	1
Trans-1,2-Dichloroethene	ND	1	TAME	ND	1
1,2-Dichloropropane	ND	1	TBA	ND	20
1,3-Dichloropropane	ND	1	MEK	ND	10
2,2-Dichloropropane	ND	1	MIBK	ND	10
1,1-Dichloropropene	ND	1	2-Hexanone	ND	10
Cis-1,3-Dichloropropene	ND	1	Acetone	ND	40

ND : NOT DETECTED AT OR ABOVE DLR

DLR: DETECTION LIMIT FOR REPORTING PURPOSES

**CHEMTEK ENVIRONMENTAL LAB.
LABORATORY ANALYSIS REPORT**

Client : SCS Engineers
Project : Long Beach Public Service Yard

Job No. : 304086

Date: 04-29-13

Analysis: EPA 8260B(Volatile Organics by GC-MS) Unit: µg/kg or ppb

Sample ID : SP-South Comp **Sample date** : 04-25-13
Sample matrix : soil **Analysis date** : 04-26-13
Dilution Factor : 1

Compound	Result	DLR	Compound	Result	DLR
Benzene	ND	1	trans-1,3-Dichloropropene	ND	1
Bromobenzene	ND	1	Ethylbenzene	ND	1
Bromochloromethane	ND	1	Hexachlorobutadiene	ND	1
Bromoform	ND	1	Isopropylbenzene	ND	1
Bromomethane	ND	1	4-Isopropyltoluene	ND	1
n-Butylbenzene	ND	1	Methylene Chloride	ND	5
sec-Butylbenzene	ND	1	Naphthalene	ND	1
tert-Butylbenzene	ND	1	n-propylbenzene	ND	1
Carbon Tetrachloride	ND	1	Styrene	ND	1
Chlorobenzene	ND	1	1,1,1,2-Tetrachloroethane	ND	1
Chloroethane	ND	1	1,1,2,2-Tetrachloroethane	ND	1
Chloroform	ND	1	Tetrachloroethene(PCE)	ND	1
Chloromethane	ND	1	Toluene	ND	1
2-Chlorotoluene	ND	1	1,2,3-Trichlorobenzene	ND	1
4-Chlorotoluene	ND	1	1,2,4-Trichlorobenzene	ND	1
2-Chloroethyl vinyl ether	ND	2	1,1,1-Trichloroethane	ND	1
Dibromochloromethane	ND	1	1,1,2-Trichloroethane	ND	1
1,2-Dibromo-3-chloropropane	ND	1	Trichloroethene(TCE)	ND	1
1,2-Dibromoethane (EDB)	ND	1	Trichlorofluoromethane	ND	1
Dibromomethane	ND	1	1,2,3-Trichloropropane	ND	1
1,2-Dichlorobenzene	ND	1	1,2,4-Trimethylbenzene	ND	1
1,3-Dichlorobenzene	ND	1	1,3,5-Trimethylbenzene	ND	1
1,4-Dichlorobenzene	ND	1	Vinyl Chloride	ND	1
Dichlorodifluoromethane	ND	1	Total Xylenes	ND	2
1,1-Dichloroethane	ND	1	Ethanol	ND	250
1,2-Dichloroethane	ND	1	MTBE	ND	1
1,1-Dichloroethene	ND	1	ETBE	ND	1
cis-1,2 Dichloroethene	ND	1	DIPE	ND	1
Trans-1,2-Dichloroethene	ND	1	TAME	ND	1
1,2-Dichloropropane	ND	1	TBA	ND	20
1,3-Dichloropropane	ND	1	MEK	ND	10
2,2-Dichloropropane	ND	1	MIBK	ND	10
1,1-Dichloropropene	ND	1	2-Hexanone	ND	10
Cis-1,3-Dichloropropene	ND	1	Acetone	ND	40

ND : NOT DETECTED AT OR ABOVE DLR

DLR: DETECTION LIMIT FOR REPORTING PURPOSES

CHEMTEK ENVIRONMENTAL LAB.
LABORATORY ANALYSIS REPORT

Client : SCS Engineers
Project : Long Beach Public Service Yard

Job No. : 304086 Date: 04-29-13
Analysis: EPA 8015M (TPH Gas range, Diesel range, Oil range) Unit: mg/kg or ppm

Sample ID : See below Sample date : 04-25-13
Sample matrix : soil Analysis date : 04-26-13

Sample	C4-C12	DF	DLR	C13-C22	DF	DLR	C23-C36	DF	DLR
SP-North Comp	ND	1	0.2	24.3	1	5.0	155	1	10
SP-South Comp	ND	1	0.2	28.3	1	5.0	156	1	10

ND : NOT DETECTED AT OR ABOVE DLR
DLR: DETECTION LIMIT FOR REPORTING PURPOSES

CHEMTEK ENVIRONMENTAL LAB.
LABORATORY ANALYSIS REPORT

Client : SCS Engineers
Project : Long Beach Public Service Yard

Job No. : 304086

Date: 04-29-13

Analysis : STLC Metals
Method Extract: W.E.T
Method : SM 3111B

Sample ID : see below
Sample type : STLC extract
Sample date : 04-25-13
Analysis date: 04-29-13

Element	Sample ID				Detection Limit
	SP-North Comp	SP-South Comp			mg/l
Lead	76.5	65.2			0.05
Zinc	130				0.50

ND : Not detected at specified limit

CHEMTEK ENVIRONMENTAL LAB.
LABORATORY ANALYSIS REPORT

Client : SCS Engineers
Project : Long Beach Public Service Yard

Job No. : 304086

Date: 04-29-13

Analysis : TCLP
Method Extract: EPA 1311
Method : SM 3111B

Sample ID : see below
Sample type : TCLP extract
Sample date : 04-25-13
Analysis date: 04-29-13

Element	Sample ID				Detection Limit
	SP-North Comp	SP-South Comp			mg/l
Lead	1.41	1.48			0.05

ND : Not detected at specified limit

304086

3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806-6816
Phone 562 426-9544 Fax 562 427-0805

PAGE / OF /

TURNAROUND TIME REQUIRED:

☐ Std. ☐ 3-Day ☒ 24-Hr. ☐ Other_____

PROJECT NUMBER: 01212361.00

PROJECT MANAGER: Ashley Hutchens

PROJECT NAME: Long Beach Public Service Yard

W.O. / S.O. #:

PROJECT LOCATION: Anaheim & San Francisco, Long Beach, CA

SAMPLER NAME AND SIGNATURE: J. Rouzon J. St. R.

[illegible]

NOTES:

All samples collected 4/25/2013

SAMPLE CONDITION UPON RECEIPT:

RELINQUISHED BY:

DATE:

DATE: 4/25/2013

TIME: 5:48 PM

ACCEPTED BY:

ACCEPTED BY: *[Signature]*
COMPANY: *SCS Engineers*

DATE: _____

DATE: 4/25/13

TIME: 620

RELINQUISHED BY:

RELINQUISHED BY: *[Signature]*
COMPANY: Chamtek

DATE _____

DATE: 4/25/13

TIME: 620

ACCEPTED BY:

COMPANY:

DATE:

TIME:

APPENDIX D
HEALTH AND SAFETY FORM

SCS ENGINEERS JOB SITE HEALTH & SAFETY CHECKLIST- SIMPLE INVESTIGATIONS

General Information:

Job No. 01210161.03/05 Job Name: LBPSV

Site address: Anaheim & San Francisco

Based on Scope of work and site conditions. Do you think that a more detailed Health and Safety Plan is necessary for this assignment?

☐ Yes

☒ No

Emergency Telephone Numbers and Address:

Nearest hospital (attach map with route) Saint Mary Medical Center

Client (contact) Clark Neuhoff

Police/Fire/Ambulance: 911

Client (phone): (949) 509-5002

Other Contact Name: _____

SCS Contact: Ashley Hutchens

Other Contact Phone: (62) 572-4097

Persons to be on Site: SCS Personnel: by signing below, acknowledge that when working alone in the field each will be acting as his/her own supervisor.

SCS Personnel: Ashley Hutchens Ashley Hutchens
Sign/Print Name Sign/Print Name

Sign/Print Name

Sign/Print Name

Drillers/Subcontractors/Authorized Visitors:

Kelce Drilling & Testing
Sign/Print Name

Sign/Print Name

Sign/Print Name

Sign/Print Name

Sign/Print Name

USA Dig Alert Ticket #: B20A60079 Date of Expiration: 3/14/12

- Clearance obtained for Boring location? ☒ Yes ☐ No ☐ N/A
- Previous site work: ☒ Yes ☐ No
- Depth to ground water? 10 (ft.) ☐ N/A Permits required? ☒ Yes ☒ No
- Overhead Obstructions? ☐ Yes ☒ No ☐ N/A (i.e. work indoors)

HEALTH & SAFETY CHECKLIST- Job No. _____

Other Possible Site Hazards:

Substances Involved (Chemical name)	TWA PEL	STEL IDLH	On Site Concentrations (if known)	Primary Hazards (e.g. toxic on e.g. toxic on inhalation)
Gasoline	300ppm	500ppm	3400	inhalation / dermal contact
Other Hazards*	On Site Conditions		Response Actions	
metals			use gloves, avoid dust	

*e.g. recommend for four-wheel-drive vehicle, heavy equipment, unsafe neighborhood, excavations, construction area

- Weather Conditions? ☐ Hot (+85°F) ☐ Cold (-32°F, consider wind chill) ☒ Temperate

Equipment:

Monitoring Equipment:

Emergency Equipment, other than Basic First Aid Kit:

Additional Information:

Completed by: Ashley Hutchens

Date: 2/15/12

Approved by: Cohley Hutchens

Date: 2/15/12

Project Director or Manager

HEALTH & SAFETY CHECKLIST- Job No. _____

✓	Job Task Step	Potential Environmental and Personnel Hazards	Critical Actions	PPE Required
✓	Soil Sampling (during drilling)	Moving machinery, noise, flying particulates, organic vapors, traffic	Be aware of heavy machinery, stay in operator's view Do not wear loose clothing	Head: Hardhat Body: Safety vest Foot: Steel-toe boots Hand: Nitrile gloves Respiratory: None Hearing: Ear Plugs Eye/Face: Safety Glasses
	Soil vapor sampling from temporary wells	Organic vapors, traffic	Stay upwind of vapors	Head: Hardhat Body: Safety vest Foot: Steel-toe boots Hand: Nitrile gloves Respiratory: None Hearing: None Eye/Face: Safety Glasses
	Groundwater sampling from temporary wells	Organic vapors, chemical exposure, direct contact with organic-containing liquid, splash hazard, traffic	Be aware of surroundings Ensure all down-hole equipment is clean before and after use. Hold liquid level equipment close to body, not at arms length. Seal sample containers immediately and store properly.	Head: Hardhat Body: Safety vest Foot: Steel-toe boots Hand: Nitrile gloves Respiratory: None Hearing: None Eye/Face: Safety Glasses
✓	Backfill and patch borings	Slip/trip, traffic, splash hazard	Be aware of surroundings	Head: Hardhat Body: Safety vest Foot: Steel-toe boots Hand: Nitrile gloves Respiratory: None Hearing: None Eye/Face: Safety Glasses
	Groundwater or Soil Vapor Sampling from permanent wells	Spiders, slip/trip, chemical exposure, direct contact with organic-containing liquid, splash hazard, overextension, pinch	Be aware of surroundings Stay upwind of vapors Avoid spider webs and avoid sticking hands into dark / blind spaces. Use proper tools and lifting techniques Hold liquid level equipment close to body, not at arms length. Ensure all down-hole equipment is clean before and after use. Seal sample containers immediately and store properly.	Head: Hardhat Body: Safety vest Foot: Steel-toe boots Hand: Nitrile gloves Respiratory: None Hearing: None Eye/Face: Safety Glasses

Scope of Work:

-05 - Collect shallow samples at 11 Locations

Job Task Safety Analysis: (choose the tasks to be performed on-site)

✓	Job Task Step	Potential Environmental and Personnel Hazards	Critical Actions	PPE Required
	Calibrate monitoring equipment (i.e. GEM, PID)	Flammable calibration gas	Avoid any ignition sources Calibrate equipment regularly	Head: None Body: None Foot: None Hand: Nitrile gloves Respiratory: None Hearing: none Eye/Face: None
✓	Demarcate Boring Locations/ Locate utilities/ boring clearance	Slip/trip, vehicular contact	Be aware of surroundings	Head: None Body: Safety vest Foot: None Hand: None Respiratory: None Hearing: None Eye/Face: None
	Unpack lab equipment, check inventory, review laboratory instructions.	Sample bottles may contain acid preservative. Any free liquid encountered in a cooler should be considered to be an acid.	Check for leaking containers	Head: None Body: None Foot: Steel-toe boots Hand: Nitrile gloves Respiratory: None Hearing: None Eye/Face: Safety Glasses
✓	Drill borings (hand probe or geoprobe)	Moving machinery, noise, flying particulates, organic vapors, overhead power lines, traffic	Be aware of machinery, stay in operator's view PID air monitoring every 15 minutes if VOCs anticipated Stay upwind of vapors Do not wear loose clothing	Head: Hardhat Body: Safety vest Foot: Steel-toe boots Hand: Nitrile gloves Respiratory: None Hearing: Ear Plugs Eye/Face: Safety Glasses
	Drilling borings (hand auger)	Moving machinery, noise, flying particulates, organic vapors, overhead power lines, traffic	Be aware of repetitious motions Do not wear loose clothing PID air monitoring every 15 minutes if VOCs anticipated Stay upwind of vapors	Head: Hardhat Body: Safety vest Foot: Steel-toe boots Hand: Nitrile gloves, outer leather gloves Respiratory: None Hearing: Ear Plugs Eye/Face: Safety Glasses

**SITE REMEDIATION AND CLOSURE REPORT
"YARD PARCEL" OF THE
FORMER LONG BEACH PUBLIC SERVICE YARD
(APNs a portion of 7271-011-008 and 7271-008-013)
LONG BEACH, CALIFORNIA**

Prepared for:

San Francisco Yard LLC

100 Bayview Circle, Suite 310
Newport Beach, California 92660
(949) 509-5002

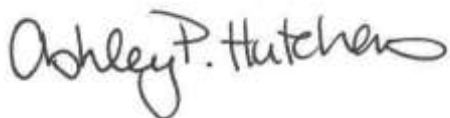
Prepared by:

SCS ENGINEERS

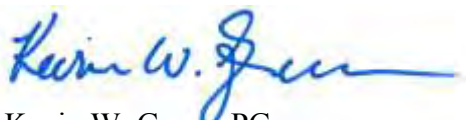
3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806-6816
(562) 426-9544

March 23, 2015
File No. 01210161.10

This Site Remediation and Closure Report dated March 23, 2015 for the Former Long Beach Public Service Yard in Long Beach, California, was prepared and reviewed by the following:



Ashley P. Hutchens, REPA
Project Manager
SCS ENGINEERS



Kevin W. Green, PG
Vice President
SCS ENGINEERS

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- 2 Map Showing Previous Sample Locations and Isopach of Anticipated Area of Earthquake Debris
- 3 Map Showing New Parcel Designations, Area of Excavation, and Confirmation Sample Locations
- 4 Map Showing Areas Remaining with Soil Impacts

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- 1 Summary of Confirmation Sample Results

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- A Permit to Operate
- B No Further Action Letters
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DISCLAIMER

This Site Remediation and Closure Report has been prepared for San Francisco Yard, LLC with specific application to the remediation of lead-impacted fill soil at two parcels within the Former Long Beach Public Service Yard in Long Beach, California. This report has been prepared in accordance with the care and skill generally exercised by reputable professionals, under similar circumstances, in this or similar localities. No other warranty, express or implied, is made as to the professional opinions presented herein. No other party, known or unknown to SCS Engineers, is intended as a beneficiary of this work product, its content or information embedded therein. Third parties use this report at their own risk.

EXECUTIVE SUMMARY

SCS Engineers (SCS) provided oversight during remediation of metals-impacted soil in fill material on a portion of the Former Long Beach Public Service yard (LBPSY; the “Property”). The remediation was conducted in accordance with the *Revised Remedial Action Plan (RAP) for the Former Long Beach Public Service Yard, Long Beach, California* (SCS, March 2012, Revised May 2014), approved by the City of Long Beach Department of Health & Human Services (DHHS) in a letter dated June 6, 2014.

The following summarizes the information justifying the request for a “no further action” with regards to metals in soil on the “Yard Parcel,” a portion of the former LBPSY:

- The remediation was conducted in accordance with SCS’s *Revised Remedial Action Plan (RAP) for the Former Long Beach Public Service Yard, Long Beach, California* (SCS, March 2012, Revised May 2014) approved by and with oversight by the DHHS, the jurisdiction with authority over the site closure.
- Refuse and lead-impacted soil have been remediated to the extent practical on the Yard parcel. Approximately 44,000 cubic yards of impacted material was excavated from the Yard Parcel and placed in the AOC on the Long Beach Parcel. Impacted material that remains – in the sidewall at western Property boundary, at the SCE power pole and support wire, and potentially below the existing building as shown in **Figure 4** – is encapsulated and unexposed.
- A total of 78 confirmation samples collected from the excavation area bottom confirm that all sample concentrations (ranging from less than 2.5 to 102 mg/kg of lead) are well below the remediation goal of 320 mg/kg, the California Human Health Screening Level for commercial land use.
- The City of Long Beach is retaining responsibility for completing the final cap of the AOC. The Long Beach Parcel will be discussed in a subsequent report upon completion of cap, which will include a plan for the long term stewardship of the AOC to be maintained by the City.

In summary, remediation activities have been conducted to remove lead-impacted soil and associated debris from the Yard Parcel. For the reasons stated above, a “no further action” letter is respectfully requested for the Yard Parcel.

1.0 INTRODUCTION

SCS Engineers (SCS) was retained by the San Francisco Yard LLC to provide oversight during remediation of metals-impacted (primarily lead) soil in fill material on a portion of the Former Long Beach Public Service yard (LBPSY; the “Property”). The remediation was conducted in accordance with the *Revised Remedial Action Plan (RAP) for the Former Long Beach Public Service Yard, Long Beach, California* (SCS, March 2012, Revised May 2014), approved by the City of Long Beach Department of Health & Human Services (DHHS) in a letter dated June 6, 2014. In addition, remediation was conducted under a Permit to Operate (permit no: 030812) issued by the City of Long Beach on March 8, 2012 (**Appendix A**).

1.1 BACKGROUND

The Former LBPSY consisted of approximately 12 acres on four and a half city blocks and was sold by the City of Long Beach (the “City”) to San Francisco Yard LLC (the “SFY”). A map showing the general location of the Former LBPSY and surrounding area is provided as **Figure 1**.

The northern 4 acres of the former LBPSY (APNs 7271-012-020 and -023) have been leased to Baker Tanks for a storage yard. The southern 3 acres have been leased to Petros Pipe (APN 7271-007-005). Since very little fill soil existed on these parcels, and in order to expedite obtaining “no further action” letters for these parcels in anticipation of their eminent lease, a separate investigation was conducted with DHHS oversight in February 2012. The results of this investigation, conducted under DHHS permit No. 1781, are summarized in the SCS “*Confirmation Sampling Report*” dated March 2, 2012. As concluded in the report, no evidence of significant impacts from lead or other metals associated with fill soil was identified and the DHHS issued no further action (NFA) letters (**Appendix B**) for the northern and southern parcels (APNs 7271-007-005 and 7271-012-023) dated July 11, 2012.

The remaining portion of the Former LBPSY (APNs 7271-011-008 and 7271-008-013) was found to contain varying amounts of fill soil containing debris (reportedly from the 1933 Long Beach earthquake). Previous investigations (discussed below) identified elevated concentrations of lead and other metals in certain areas of the fill and was therefore subject to remedial action as described herein. The “Yard Parcel” will be leased to Petros Pipe for expansion of their operations in the near future. The Long Beach Parcel recipient of the lead soil will remain unused and may be closed under separate NFA.

1.1.1 Previous Investigations

An SCS Phase I Environmental Assessment report, dated February 22, 2005, found the following:

- Historical information identified four known underground storage tanks (USTs) historically located on the Former LBPSY site as follows: (1) a 1,000-gallon unused UST; (2) 550-gallon gasoline UST; and (3) two 12,000-gallon USTs (one diesel, one gasoline) as part of a former fueling station. The current known status of these USTs is as follows:

- (1) A 1,000-gallon unused UST associated with 1725 San Francisco Avenue was located on the western portion of the 16th Street right-of-way (north of APN 7271-012-023). This UST was originally meant to contain solvent/kerosene, was installed on July 19, 1988, and removed in January 1999. Regulatory closure was received from the Joint Powers Agency (currently the DHHS) in the “No Further Action” Letter dated March 25, 1999. Please note that this UST is not on or near the portion of the Former LBPSY that is the focus of this remediation and report.
- (2) A 550-gallon gasoline UST associated with 901 West Anaheim Street was located in the 14th Street right-of-way (south of APN 7271-008-013). A “UST Unauthorized Release (Leak)/Contamination Site Report” dated May 29, 1996 indicated that on August 30, 1995 it was discovered that an unknown quantity of gasoline leaked from a 30 plus year old UST at 901 West Anaheim Street. This UST was removed by Maness Environmental on August 30, 1995.

SCS installed three groundwater wells in July 2005 and conducted six rounds of groundwater monitoring, after which the Regional Water Quality Control Board (RWQCB) issued a case closure letter on July 6, 2011 (**Appendix B**). The groundwater wells were abandoned on July 22, 2011 completing the requirements for this UST case. This former UST area is in the 14th Street right-of-way, outside of the anticipated fill area.

- (3) Two 12,000-gallon USTs associated with 1725 San Francisco Avenue were located at the northeast corner of APN 7271-008-013 at 1445 San Francisco Avenue. Long Beach DHHS files revealed an Underground Storage Tank Removal Report, dated August 7, 2008 for the removal of two 12,000-gallon USTs (one gasoline and one diesel). The tanks, installed November 1998 were removed on July 2, 2008. The USTs were reportedly in good condition upon removal, however, approximately two feet of groundwater filled into the UST excavation upon removal and free product diesel was observed floating on the groundwater in the southwest corner of the excavation. The fuel reportedly leaked into the pea-gravel backfill surrounding the USTs during the excavation of one of the dispenser pans. Mitigation methods included using absorbent pads to skim the free product and a vacuum truck to remove approximately 5,000 gallons of groundwater. Analysis of soil samples collected from beneath each end of the USTs (at 16 feet below ground surface [bgs]) and beneath each dispenser (at 6 feet bgs) indicated that no detectable concentrations of total petroleum hydrocarbons (TPH) or volatile organic compounds (VOCs) were present.

As a result of the impact to groundwater observed during removal, the DHHS referred the case to the RWQCB in an email dated October 10, 2008. In the email, the DHHS asked the RWQCB if a “no further action” letter should be issued. The RWQCB issued closure of the case (T0603701971) in an NFA letter dated July 3, 2012 (**Appendix B**).

- City personnel indicated that fill material was placed on the western raised portions of the Property; the exact date of deposition and the source of this material is unknown, but reportedly may include debris from the 1933 earthquake.

A Phase II investigation (SCS, August 2, 2005) was conducted to investigate environmental concerns identified during the 2005 Phase I Assessment, in particular, the known and suspected fill materials. The investigation included 12 soil borings and 10 soil gas sampling locations in the anticipated fill area as shown on **Figure 2**. Of the samples analyzed, the results were as follows:

- One soil gas sample (SG12) had a low concentration (2.6 micrograms per liter) of 1,1,1-trichloroethane.
- One low detection (104 milligrams per kilogram [mg/kg, equivalent to parts per million [ppm]]) of heavy range TPH (C₂₃-C₄₀) was detected in soil sample B12-5'.
- One soil sample (B8-5') contained low concentrations of 1,1,1-trichloroethane and dibromochloromethane at 4.9 and 4.3 micrograms per kilogram (µg/kg), respectively. These concentrations are well below the applicable Regional Screening Levels (RSLs) and California Human Health Screening Levels (CHHSLs) do not exist for these compounds in soil.
- Lead was detected in 4 of 9 samples above the commercial CHHSL of 320 mg/kg. In addition, several other metals (zinc, copper, arsenic, etc.) were elevated in these 4 samples.
- No organochlorine pesticides were detected.

Fill materials were encountered in borings in the elevated areas of the Property. There were no indications in the laboratory results from soil samples of elevated concentrations of VOCs, TPH, or organochlorine pesticides. However, lead and arsenic were detected in fill soils at concentrations that may be a potential risk to human health (up to 2,400 and 110 mg/kg, respectively), or require special consideration (i.e., additional testing and characterization) prior to removal and/or disposal. Based on this investigation, the area of anticipated fill debris was depicted on **Figure 2**. The previous SCS Phase I and Phase II Investigations were appended to the March 2012 RAP.

As part of a pre-remediation/construction activity, 22 test trenches were excavated on January 16, 2011 by Boberg Engineering to observe the materials that would be encountered, the depths of the material, and moisture content. A layer of soil, ranging 2 to 4 feet exists above the debris layer. The debris layer was observed to consist of brick, broken glass, broken concrete, metal, burnt wood, asphalt, etc., in a matrix of soil.

1.1.2 Initiation of Site Development and Additional Investigation

In January 2013, clarifiers associated with former car wash (located within the fill area) and paint rinse areas were removed. Clarifier abandonment activities were conducted with oversight provided by Long Beach Fire Department and described in SCS's report, *Clarifier Removal Report, Former Long Beach Public Service Yard* dated February 2013. Approval of the clarifier closure is pending and is to be included with site closure.

In April 2013, remediation and grading activities were initiated. Upon completion of clearing and grubbing the Property, SCS conducted two days of field activities (April 24 and 25, 2013) to

assess the extent of lead-impacted soils onsite. A draft letter report summarizing these site characterization activities (SCS, May 9, 2013; appended to the Revised May 2014 RAP) summarized the following:

- On April 24, 2013, SCS used an X-Ray fluorescence (XRF) analyzer to screen surface soils in the field for lead concentrations. Nine soil samples were also collected for analysis at a fixed laboratory to confirm and compare the results with the XRF screening data. Analytical results showed good correlation between the XRF as a screening tool and laboratory analytical results. The XRF screening and laboratory results for April 24 showed surface soils were generally “clean,” with only a few sporadic areas with lead concentrations above the remediation cleanup goal of 320 mg/kg lead.
- On April 25, 2013, SCS was onsite with two XRF analyzers and an excavator and operator provided by Boberg Engineering & Contracting, Inc. An initial excavation near the southern property line identified a layer of debris with apparent burn ash, between the “clean” surface soils and native soils (at about street elevation), that contained concentrations of lead up to several thousand mg/kg or more.
- To determine the extent of this debris and ash layer, nineteen test pits were subsequently excavated across the Property to determine if buried debris was present, thickness of the debris layer, and relative thickness of the cover soil. Excavation of the test pits determined that the debris/ash layer occurs across the Property ranging in thickness from approximately two feet near the southeast corner to approximately 10.5 feet near the northwest corner of the Property. **Figure 2** provides an isopach map showing the approximate location and thickness of the debris/ash layer with elevated lead concentrations on the Property, based on observations and XRF screening from the 19 test pits.
- Calculations showed that this debris/ash layer totaled approximately 40,000 cubic yards of material, or approximately 60,000 tons.

In order to further characterize the nature of the impacted soil for evaluation of disposal options (i.e., non-hazardous, California hazardous, or RCRA hazardous), the debris and impacted soil from the initial excavation and 19 test pits was segregated and loaded into a truck and transported to a location at the northwest portion of the Property for stockpiling. Two composite samples were collected from this stockpile (one from the north end [SP-North Comp] and one from the south end [SP-South Comp]). These stockpile samples were collected by grabbing discrete sub-samples from numerous locations and placing them into a baggie to be well mixed and then placed into a jar for submittal to the laboratory for analysis of CCR Title 22 metals, TPH, and VOCs. Based on the initial lab results, additional analyses were conducted for soluble lead concentrations using two methods – the California Waste Extraction Test (WET, for comparison to the Soluble Threshold Limit Concentration [STLC]) and the federal Toxicity Characteristic Leaching Procedure (TCLP), and soluble zinc concentrations using the WET method. The results of these analyses are summarized as follows:

- No detectable concentrations of VOCs;
- TPH concentrations up to 28.3 and 156 mg/kg in the diesel and heavy range, respectively;
- Total lead concentrations of 1,210 and 1,110 mg/kg;

- Soluble lead concentrations using the WET method of 76.5 and 65.2 milligrams per liter (mg/l; equivalent to parts per million [ppm]), above the STLC of 5 mg/l;
- Soluble lead concentrations using the TCLP method of 1.41 and 1.48 mg/l, below the limit of 5 mg/l; and
- A soluble zinc concentration of 130 mg/l, below its STLC of 250 mg/l.

These results showed there was a layer of debris and ash buried throughout most of the Property totaling approximately 40,000 cubic yards that would be classified as a California hazardous waste for the purposes of disposal and is the subject of this report. The stockpiled soil containing debris and ash was placed on the Long Beach Parcel and covered with Visqueen plastic as part of the Area of Contamination (AOC) further described below.

1.2 OBJECTIVES

As described above, in April 2013, remediation and grading activities were initiated at the Property, however, these activities were stopped when it was determined that a much higher volume of lead-impacted soil was present. Negotiations between SFY and the City commenced to further evaluate remedial alternatives for the Property. The remedial solution proposed and approved in the RAP was to move the impacted soil from the southern and eastern portions of the Property and place them in a capped area on the northwesterly portion of the Property that the City would, in turn, purchase from SFY creating two “operable units,” as follows:

- **Yard Parcel** – This operable unit, owned by Yard, is an L-shaped, approximately 3.5 acre parcel that includes the southern portion of the Property as well as a strip of land fronting San Francisco Avenue. Remediation of the Yard Parcel was proposed to meet cleanup goals, with a goal of receiving an NFA letter from the DHHS.
- **Long Beach Parcel** – This operable unit was is a rectangular-shaped parcel, approximately 1.8 acres in area, located in the northwestern corner of the Property. This operable unit was used to stockpile the metals-impacted fill material, will be covered with an appropriate cap, and will be subject to a deed restriction as a condition of receiving an NFA letter. This parcel will be purchased from SFY by the City.

The parcel designations and ownership are depicted on **Figure 3**. In addition, the County of Los Angeles Grant of Certificate of Compliance along with surveys of the parcels are provided in **Appendix C**. Per the RAP, the remediation was conducted in general accordance of the Department of Toxic Substances Control’s (DTSC) *Proven Technologies and Remedies (PT&R) Guidance, Remediation of Metals in Soils* dated August 29, 2008. One of the key provisions in this guidance relates to the AOC approach, which “is based on an interpretation of federal regulations which allow for the movement of hazardous wastes within a contiguous area of generally dispersed contamination without being considered land disposal and without triggering land disposal restrictions or minimum technology requirements.”

Innovative Construction Solutions, Inc. (ICS) was contracted directly by SFY to conduct excavation activities of impacted material, transfer material to the AOC, and compact and cap the AOC. SCS worked directly with ICS during remediation activities.

The focus of this report is to describe remediation activities of the Yard Parcel to move towards an NFA status for Yard to lease the Property to Petros Pipe. The Long Beach Parcel will be discussed in a subsequent report upon completion of capping.

2.0 GEOLOGIC AND HYDROGEOLOGIC CONDITIONS

2.1 PHYSIOGRAPHIC SETTING

According to the U.S. Geological Survey (USGS), Long Beach (1964, photorevised 1981), California 7.5 minute topographic map, the Property is located immediately east of the Los Angeles River at an elevation of approximately five feet above mean sea level about 1.3 miles north of San Pedro Bay. Regional topography is relatively flat with a gentle slope to the west.

2.2 GEOLOGY AND SOILS

Geologic maps indicate that surface sediments in the area are Quaternary alluvium and coastal deposits of silt, sand, and gravel that are underlain by the late Pleistocene Lakewood Formation. The Lakewood Formation, which consists of gravel, sand, sandy silt, silt and clay with shale pebbles, extends to a depth of approximately 100 feet (California DWR, Bulletin No.104). Sediments below the Lakewood Formation belong to the late Pleistocene San Pedro Formation.

2.3 GROUNDWATER

The Property is located in the southern portion of the West Coast Groundwater Basin. The first groundwater aquifer in the region is within the Gage Aquifer within the Lakewood Formation. Based on groundwater monitoring reports for a former UST site located in the 14th Street right-of-way on the north boundary of the Property, first groundwater is approximately 4 to 5 feet below grade and flows southeasterly in direction. Shallow groundwater has locally been impacted by saltwater intrusion; therefore, it is not used as a drinking water source. Groundwater beneath the Property may be tidally influenced due to tides in the adjacent Los Angeles River.

3.0 CLEANUP GOALS

Cleanup goals were in effect for only that portion of the Property to be retained by Yard. Cleanup goals are not applicable to that portion of the Property with the stockpile of impacted soil to be purchased by the City. During remedial excavation oversight, TPH and other chemicals of potential concern (COPC) were not encountered. Therefore metals were the only COPCs requiring evaluation.

3.1 METALS

The California EPA Office of Environmental Health Hazard Assessment (OEHHA) published the *Human-Exposure-Based Screening Numbers Developed to Aid Estimation of Cleanup Costs for Contaminated Soil*, dated November 2004, revised January 2005. This document describes CHHSLs for metals in soil for residential and industrial/commercial land use scenarios. The Property is planned for use as a storage yard with a commercial structure with potential for

redevelopment with commercial warehouse/manufacturing buildings in the future; therefore the commercial CHHSLs would be applicable.

Based on previous data collected from the Property and observations during remediation, it was determined that lead was the primary COPC and therefore the “driver” for remediation. The cleanup goal and commercial CHHSL for lead is 320 mg/kg.

4.0 REMEDIAL SOIL EXCAVATION

4.1 SUBSURFACE UTILITIES CLEARANCE AND PERMIT

As required by law, Underground Service Alert was notified by ICS prior to conducting the subsurface activities (Dig Alert No. A42311233). In addition, all work was conducted under the Permit to Operate (permit no: 030812 provided in **Appendix A**) issued by the DHHS on March 8, 2012. Although the permit indicates expiration *90 days from issuance date*, Ms. Carmen Piro-Swart indicated the permit remained valid for excavation activities conducted in 2014-2015.

4.2 EXCAVATION OF LEAD-IMPACTED AREA

Under the direction of SCS, remedial excavation was initiated by ICS on August 27, 2014. An attempt was made to scrape “clean dirt” for reuse from the surface prior to reaching the lead-impacted soil for removal and placement in the AOC. However, it was determined that a very limited volume of soil was able to be preserved for reuse because the clean layer was uneven and had been mixed by potholing events and other activities on the Property.

The bulk of excavation activities were conducted between August 27 and October 3, 2014. Excavation was initiated at the southwest corner of the Property and was conducted in rows (east-west in direction) approximately 30 feet wide. The excavated material was primarily soil with high lead concentrations mixed with inert debris (glass, bottles, metal, wire, etc.). Photos of excavation activities are provided in **Appendix D**. **Figure 3** depicts the area of excavation. As shown on the figure, the southeast corner was not excavated, as previous exploratory activities (pothole trenching and XRF screening) indicated no refuse or elevated lead in this area. Excavation was conducted to the east in this area until the limits of refuse and lead-impacted soil was reached.

An XRF was used to screen soil as it was removed for placement at the AOC. In addition, visual observation of impacted material versus native “clean” bottom was easily discernable and used to terminate the depth of excavation. Native soils were then screened using an XRF to verify excavation limits prior to collection of confirmation samples as discussed below. XRF readings of impacted material typically ranged from several hundred to several thousand mg/kg of lead and clean native material was typically less than 50 mg/kg.

During excavation activities, it was determined that lead-contaminated soil and refuse extended beneath the historical “Train Depot” building located at 1475 San Francisco Avenue that was scheduled to be relocated by the City of Long Beach. Therefore when excavation was complete, to the extent practical, activities were put on hold until the historical building was relocated by the City in February 2015. Once the structure was relocated, excavation of the area beneath it was conducted between February 12 and 19, 2015.

An estimated total of approximately 44,000 cubic yards of impacted material was excavated from the Yard Parcel and transported to the AOC on the Long Beach Parcel. As discussed in SCS' letter dated October 6, 2014, impacted material will remain below the surface (and unexposed) in several areas of the Property including: beneath the building that will stay on the Yard Parcel; in an area where a Southern California Edison pole and support are; and in sidewall areas of the west Property boundary. Refuse and lead-impacted soil have been remediated to the extent practical and confirmation samples collected as discussed below.

4.3 COLLECTION OF CONFIRMATION SAMPLES

As previously mentioned, during excavation activities, an XRF analyzer was used as a field screening tool to guide the excavation and determine when confirmation samples should be collected for laboratory analysis. Field screening of the excavation bottom, indicated lead concentrations were well below the cleanup goal of 320 mg/kg (mostly non-detect to less than 50 mg/kg).

Confirmation samples were collected in an approximate 50-foot grid across the excavation area, as depicted on **Figure 3**. All confirmation soil samples were collected in 4-ounce glass jars. Immediately after sample collection, the glass jars were sealed and a solvent-free label noting date and time of collection, sample number, and project number was affixed to each sample. Samples were then placed in a chilled cooler for transport to Advanced Environmental Testing Laboratories, Inc. (AETL) of Burbank, California for analysis of lead and/or Title 22 Metals by EPA Method 6010B/7000. AETL is a California Department of Health Services certified laboratory. All samples were tracked from point of collection through the laboratory using standard chain-of-custody protocol. New Nitrile gloves were used and frequently replaced in the handling of all soil samples.

4.3.1 Analytical Results for Confirmation Soil Samples

Table 1 provides a summary of all confirmation samples collected for laboratory analysis from excavation area bottom. A total of 78 confirmation samples (S1 through S78) were collected on a grid spacing of approximately every 50 feet (**Figure 3**). Concentrations of lead in the 78 samples ranged from non-detect (less than 2.5 mg/kg) to 102 mg/kg. All concentrations detected were well below the cleanup goal of 320 mg/kg.

In addition, five percent of the samples (a total of four samples) were analyzed for all Title 22 Metals as shown on **Table 1**. Concentrations of other metals were below their respective CHHSLs and/or within background ranges typical of California soils and acceptable to regulatory agencies. The AETL laboratory reports for confirmation samples are provided in **Appendix E**.

4.4 PLACEMENT OF AREA OF CONTAMINATION (AOC)

Excavated material was directly loaded into end dumps and transferred to the Long Beach Parcel for placement in the AOC. The purpose of the designation of the AOC was to avoid detrimental costs to the City of Long Beach for removal, transportation, and disposal/treatment of the large volume of lead-impacted soil at the Property. The AOC was capped with a six ounce per yard filter fabric (layer one of the three layer cap) as proposed in the SCS letter dated October 6, 2014

proposing the cap detail. The filter fabric was placed after the main excavation was completed in early November 2014. During the additional excavation beneath the historical building, the fabric was folded back to allow for placement of the remaining soils and then replaced and sandbagged until the remaining two layers of the cap (proposed 18-inch soil lawyer and hydro mulch/super tack layer) are placed (anticipated in the near future).

The City is taking responsibility for finalizing the cap. Upon completion of the cap, a separate report may be prepared and submitted to the DHHS detailing the Long Beach Parcel and the long term stewardship of the AOC. The report will also discuss analytical results of six samples (DSP1 through DSP6) collected from material placed in the AOC.

At this time, a fence (with privacy screen), has been placed around the AOC at the boundary of the Long Beach and Yard parcels to prevent access to the AOC. In addition, signs have been posted on the fence stating: “*Caution Lead Hazard Do Not Enter Work Area Unless Authorized.*” Photos of the fence and signage are provided in **Appendix D**.

4.5 BACKFILL OF EXCAVATION AREA

Soil was imported from two construction sites for backfill of the remedial excavation area. Approximately 7,406 cubic yards of soil was imported from the northeast corner of Ocean Boulevard and Broadway Court in Long Beach and approximately 5,208 cubic yards was imported from a University of Southern California site located 30th and Hoover Streets in Los Angeles. The material was placed in lifts, compacted, and compaction testing was conducted.

Neither of the import sites had any suspected contamination. Nevertheless, six composite samples (F-1 through F-6) were collected of the Long Beach import soil and three composite samples (F-7 through F-9) were collected of the USC import soil as the material was trucked onsite. In addition, the USC soil was prescreened prior to import onto the site. Samples were analyzed at AETL for VOCs (EPA Method 8260B), TPH (EPA Method 8015M), and metals (EPA method 6010B/7000). Data shows that the material is clean import fill. The AETL laboratory reports are provided in **Appendix F**.

5.0 SUMMARY AND CONCLUSIONS

SCS has conducted remedial excavation activities at the Former Long Beach Public Service Yard (APNs 7271-011-008 and 7271-008-013) in accordance with the *Revised Remedial Action Plan (RAP) for the Former Long Beach Public Service Yard, Long Beach, California* (SCS, March 2012, Revised May 2014). The remedial excavation was conducted in order to remove soil impacted with lead and containing varying amounts debris (reportedly from the 1933 Long Beach earthquake).

Because of the high lead concentrations in the large volume of soil on the Property, the remedial solution proposed and approved was to move the impacted soil from the southern and eastern portions of the Property and place them in a capped area on the northwestern portion of the Property, the Long Beach Parcel. Per the RAP, the remediation was conducted in general accordance of the Department of Toxic Substances Control’s (DTSC) *Proven Technologies and Remedies (PT&R) Guidance, Remediation of Metals in Soils* dated August 29, 2008. This approach allowed the City to avoid detrimental costs for removal, transportation, and disposal/treatment of the large volume of lead-impacted soil, which the City by indemnity,

remained responsible for upon sale of the Property to the SFY. In turn, this approach created two “operable units”: 1) The Yard Parcel which has been remediated to the cleanup goals, and on which SFY has a leasing agreement; 2) The Long Beach Parcel which now houses the AOC and which will be purchased from the SFY by the City. The City is retaining responsibility for completing the final cap of the AOC. The Long Beach Parcel may be discussed in a subsequent report upon completion of cap.

Remedial excavation activities were conducted between August 27 through October 3, 2014 and February 12 through 19, 2015 (once the historical building at 1475 San Francisco was relocated by the City). A total of 78 confirmation samples (S1 through S78) were collected on a grid spacing of approximately every 50 feet (**Figure 3**). Concentrations of lead in the 78 samples ranged from non-detect (less than 2.5 mg/kg) to 102 mg/kg, all well below the cleanup goal of 320 mg/kg. In addition, five percent of the samples (a total of four samples) were analyzed for all Title 22 Metals (**Table 1**), of which all were below their respective CHHSLs and/or within background ranges typical of California soils and acceptable to regulatory agencies.

In total, approximately 44,000 cubic yards of impacted material was excavated from the Yard Parcel and placed in the AOC on the Long Beach Parcel. Because debris extended beyond the Property boundaries, the impacted material was excavated to the extent possible without extending past the Property boundaries (i.e. into the river path). Therefore, impacted material will remain below the surface (and unexposed) in several other areas of the Property including: potentially beneath the building that remains on the Yard Parcel Property, and in an area where the Southern California Edison pole and support are located.

Approximately 12,614 cubic yards of clean soil was imported from two construction sites for backfill of the remedial excavation area on the Yard Parcel. The excavation was backfilled, graded, and compacted prior to being asphalt paved for future parking or storage by Petros Pipe.

6.0 BASIS FOR SITE CLOSURE

Based on the information outlined above, the following summarizes the information justifying the request for a “no further action” with regards to metals in soil on the Yard Parcel:

- The remediation was conducted in accordance with SCS’s *Revised Remedial Action Plan (RAP) for the Former Long Beach Public Service Yard, Long Beach, California* (SCS, March 2012, Revised May 2014) approved by and with oversight by of the City of Long Beach Department of Health & Human Services.
- Refuse and lead-impacted soil have been remediated to clean up goals on the Yard Parcel. Approximately 44,000 cubic yards of impacted material was excavated from the Yard Parcel and place in the AOC on the Long Beach parcel. Impacted material that remains – in the sidewall at western Property boundary, at the SCE power pole and support wire, and potentially below the existing building as shown in **Figure 4** – is encapsulated and unexposed.
- A total of 78 confirmation samples collected from the excavation area bottom confirm that all sample concentrations (ranging from less than 2.5 to 102 mg/kg of lead) are well

below the remediation goal of 320 mg/kg, the California Human Health Screening Level for commercial land use.

- The City of Long Beach is retaining responsibility for completing the final cap of the AOC. The Long Beach Parcel may be discussed in a subsequent report upon completion of cap, which will include a plan for the long term stewardship of the AOC to be maintained by the City.

In summary, remediation activities have been conducted to remove lead-impacted soil and associated debris from the Yard Parcel. A “no further action” letter is respectfully requested for the Yard Parcel.

7.0 REFERENCES

- California Department of Water Resources (DWR). Planned Utilization of Ground Water Basins of the Coastal Plain of Los Angeles County. Appendix A, Ground Water Geology, Bulletin No. 104. March 1966.
- Department of Toxic Substances Control, August 29, 2008. Proven Technologies and Remedies Guidance, Remediation of Metals in Soil.
- Pacific Coast Tank, Underground Storage Tank Removal Report, dated August 7, 2008.
- RWQCB (Los Angeles Region). Interim Site Assessment & Cleanup Guidebook. May 1996.
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- SCS Engineers, October 17, 2005. Groundwater Investigation Report, Former Long Beach City Tow Yard, 901 West Anaheim Street, Long Beach, California, (File No. 01204007.02).
- SCS Engineers, April 17, 2006. First Quarter 2006 Groundwater Monitoring, 901 West Anaheim, Long Beach, California, (File No. 01204007.02).
- SCS Engineers, July 18, 2006. Second Quarter 2006 Groundwater Monitoring, 901 West Anaheim, Long Beach, California, (File No. 01204007.02).
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- SCS Engineers, April 2010. Groundwater Monitoring Report, Former Long Beach City Tow Yard, 901 West Anaheim Street, Long Beach, California, (File No. 01209295.00).
- SCS Engineers, March 2, 2012. Confirmation Sampling Report, Former Long Beach Public Service Yard, APNs 7271-007-005 and 7271-012-023, Long Beach, California, (File No. 01210161.05).
- SCS Engineers, March 2012. Remedial Action Plan, Former Long Beach Public Service Yard (APNs 7271-011-008 and 7271-008-013, Long Beach, California (File No. 01210161.03).
- SCS Engineers, February 2013. Clarifier Removal Report, Former Long Beach Public Service Yard, 1725 San Francisco Avenue, Long Beach, California, 90813 (File No. 01212361.00).
- SCS Engineers, May 9, 2013. Draft Summary of Site Characterization Activities and Analytical Data Letter, Former Long Beach Public Service Yard, 1725 San Francisco Avenue, Long Beach, California.

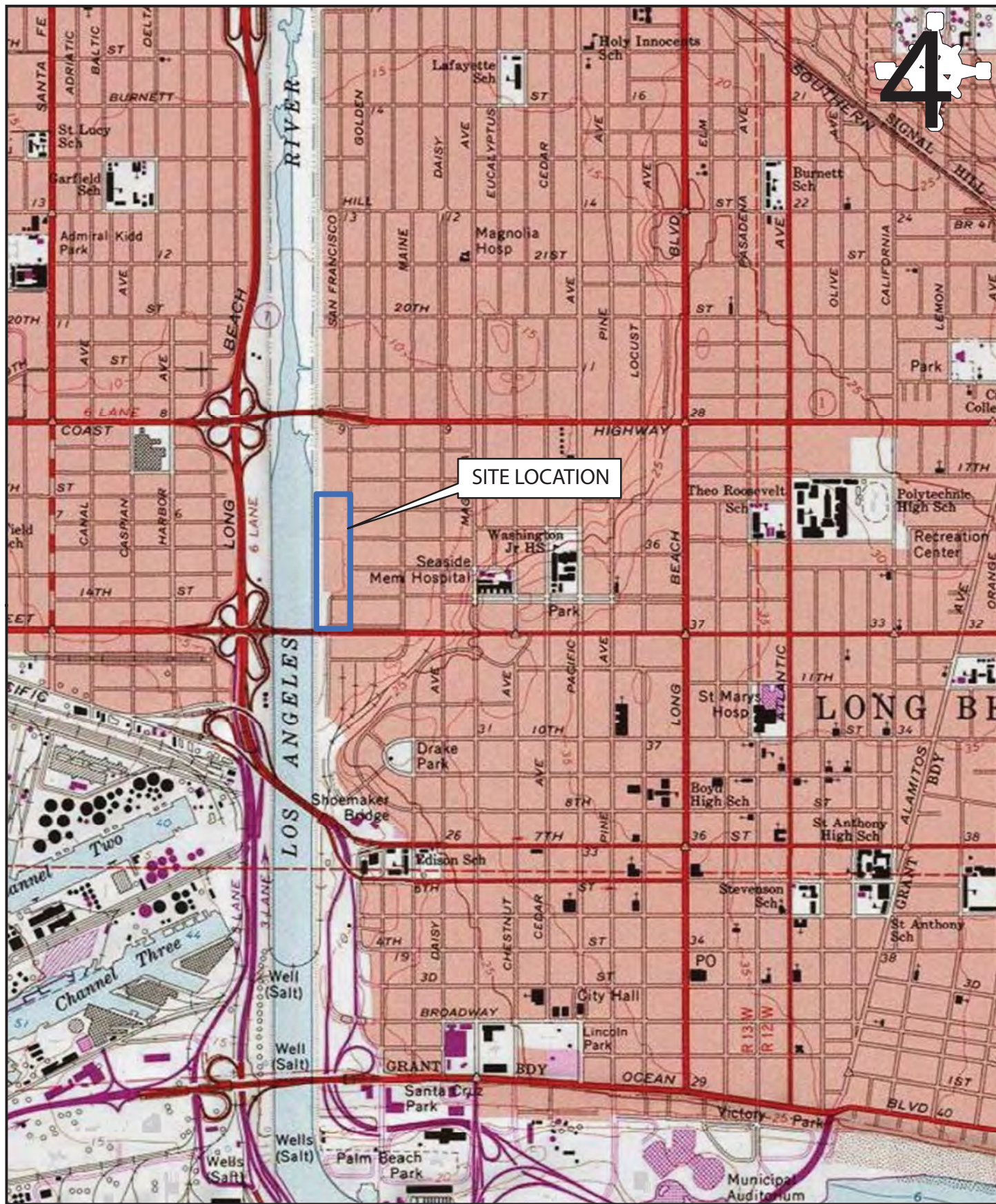
SCS Engineers, March 2012, Revised May 2014. Revised Remedial Action Plan, Former Long Beach Public Service Yard (APNs 7271-011-008 and 7271-008-013), Long Beach, California.

SCS Engineers, October 6, 2014. Letter Re: Submittal of Proposed CAP detail and Schedule, Former Long Beach Public Service Yard (APNs 7271-011-008 and 7271-008-013), Long Beach, California.

State Water Resources Control Board, GeoTracker website, <http://geotracker.swrcb.ca.gov/>

FIGURES

- 1 Site Location Map**
 - 2 Map Showing Previous Sample Locations and Isopach of Anticipated Area of Earthquake Debris**
 - 3 Map Showing New Parcel Designations, Area of Excavation, and Confirmation Sample Locations**
 - 4 Map Showing Areas Remaining with Soil Impacts**
-



SOURCE: 7.5 MINUTE TOPOGRAPHIC MAP
UNITED STATES GEOLOGICAL SURVEY
LONG BEACH, CA, PHOTO-REVISED 1981
ORIGINAL MAP DATE: 1973

SCS ENGINEERS

3900 KILROY AIRPORT WAY, STE 100
LONG BEACH, CALIFORNIA 90806-6816

PROJECT NO:

01210161.01

DRAWN BY:

A. STODDARD

APPROVED BY:

A. HUTCHENS

0 1,000 2,000
Feet
1 in = 2,000 ft

FIGURE

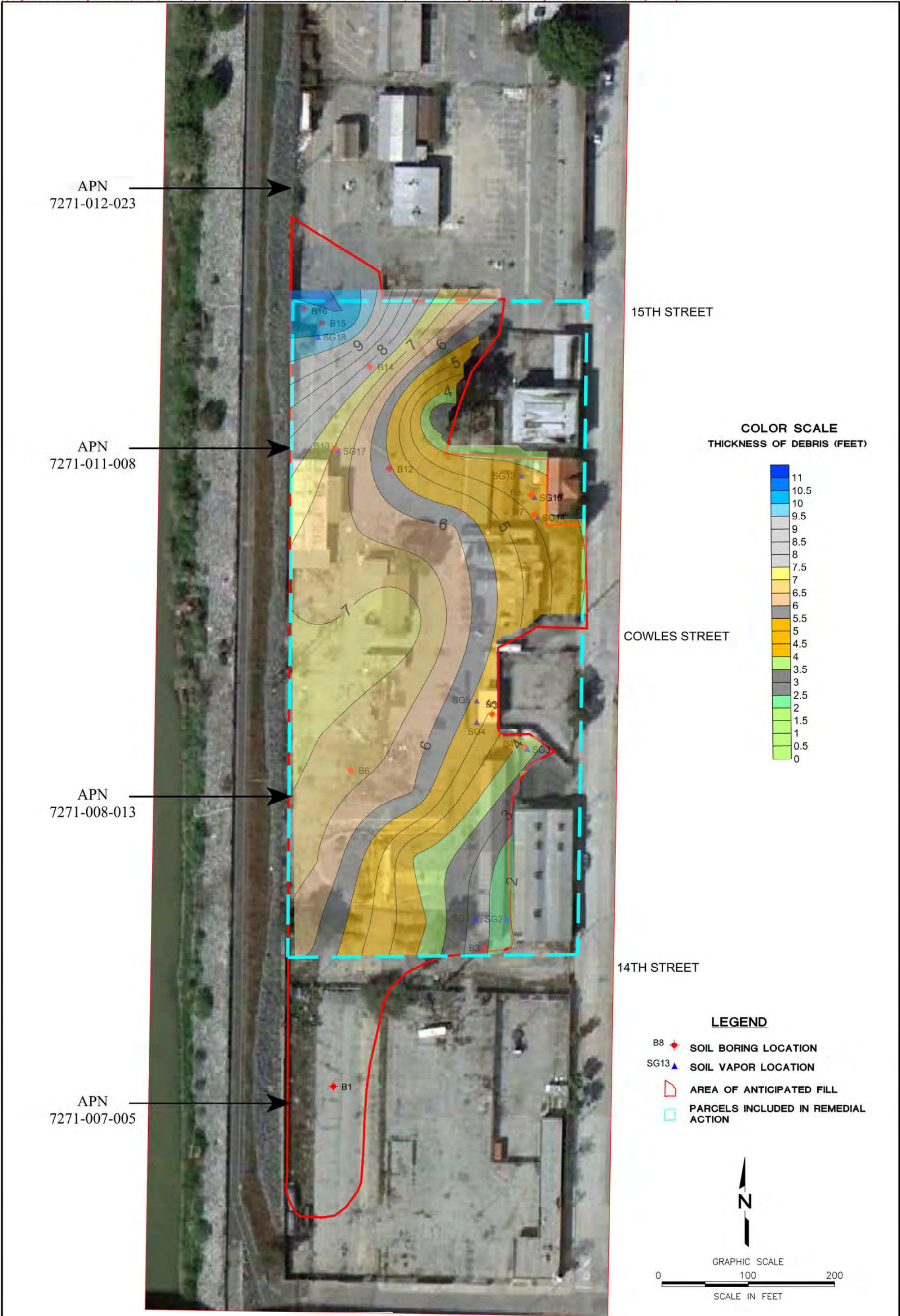
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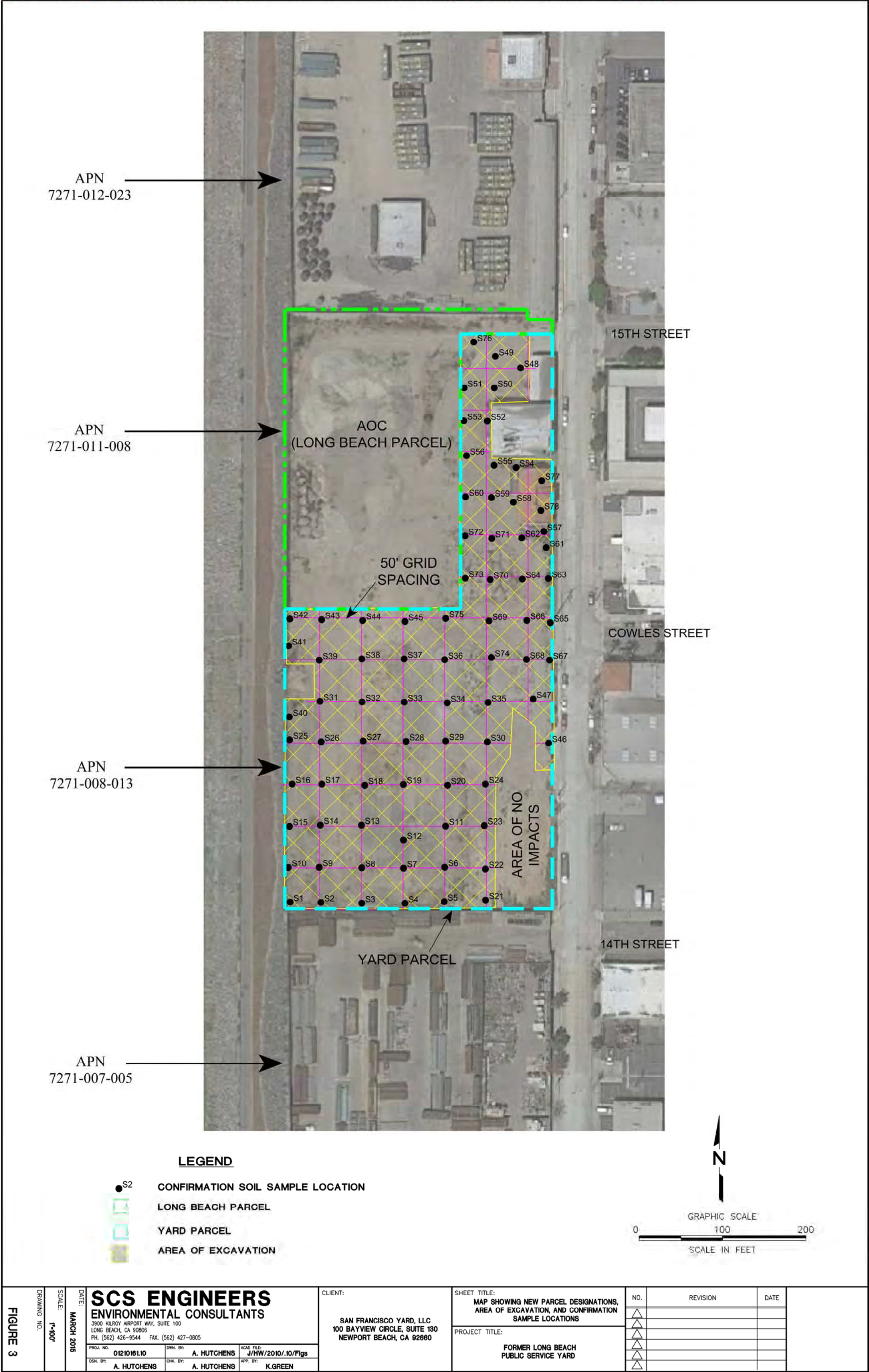
FORMER LONG BEACH PUBLIC SERVICE YARD
LONG BEACH, CA 90813

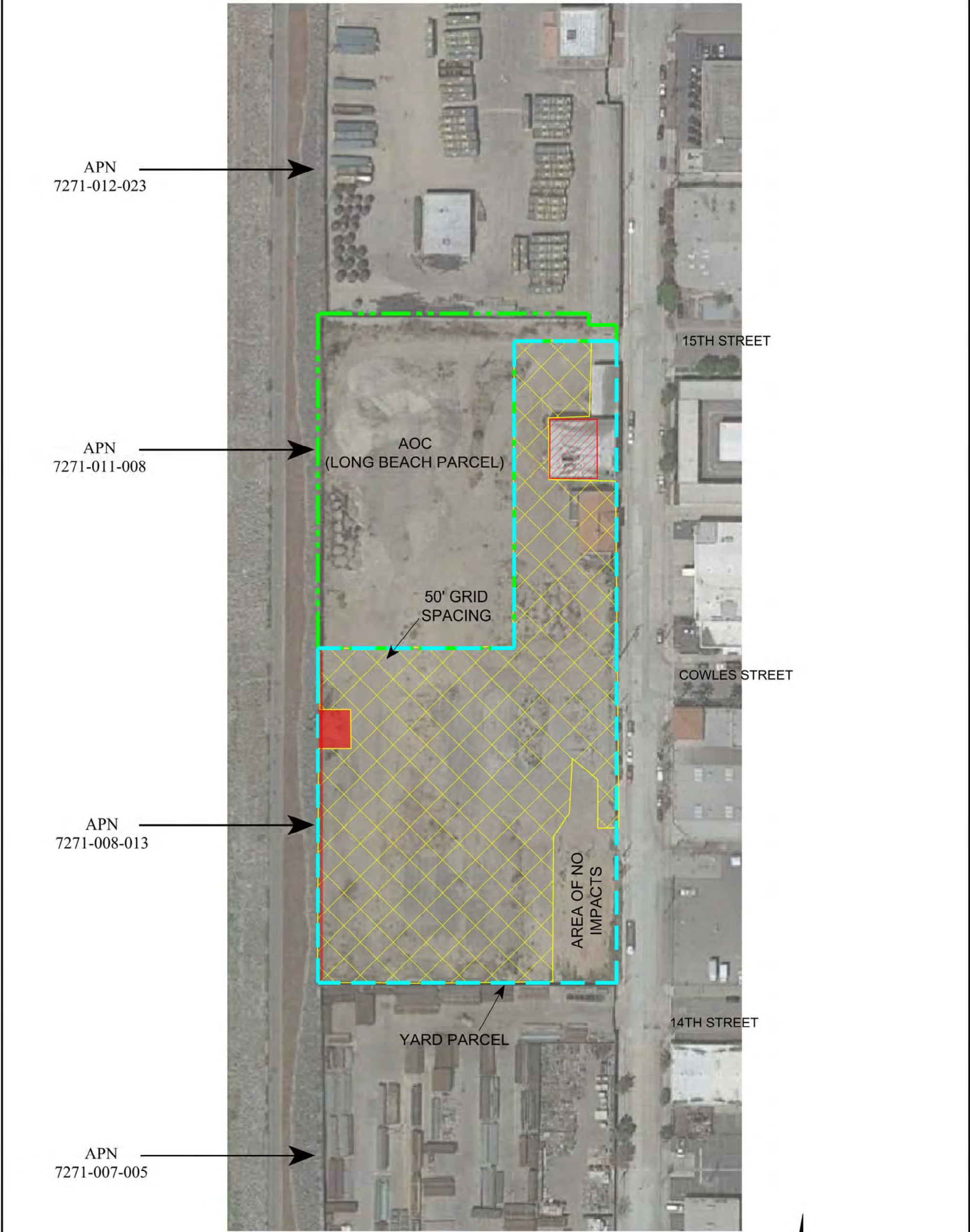
TITLE:

SITE LOCATION MAP

1







LEGEND

- LONG BEACH PARCEL
- YARD PARCEL
- AREA OF EXCAVATION
- AREA REMAINING WITH SOIL IMPACTS
- ANTICIPATED AREA REMAINING WITH SOIL IMPACTS

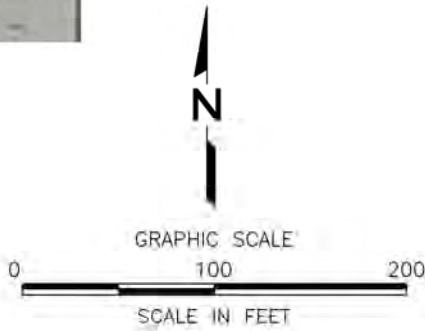


FIGURE 4	DRAWING NO.	SCALE: 1"=100'	DATE: MARCH 2016	SCS ENGINEERS ENVIRONMENTAL CONSULTANTS 3900 KILROY AIRPORT WAY, SUITE 100 LONG BEACH, CA 90806 PH. (562) 426-9544 FAX. (562) 427-0805			CLIENT: SAN FRANCISCO YARD, LLC 100 BAYVIEW CIRCLE, SUITE 130 NEWPORT BEACH, CA 92660	SHEET TITLE: MAP SHOWING AREAS REMAINING WITH SOIL IMPACTS		NO. △ △ △ △ △ △	REVISION	DATE			
								PROJECT TITLE: FORMER LONG BEACH PUBLIC SERVICE YARD							
				PROJ. NO. 01210161.10				DWG. BY: A. HUTCHENS						ACAD FILE: J/HW/2010/10/Figs	
				DSN. BY: A. HUTCHENS				CHK. BY: A. HUTCHENS						APP. BY: K.GREEN	

TABLE 1
Summary of Confirmation Sample Results

TABLE 1
SUMMARY OF CONFIRMATION SAMPLE RESULTS
FORMER LONG BEACH PUBLIC SERVICE YARD PROJECT, LONG BEACH, CALIFORNIA

Sample ID	Sampling Date	Title 22 Metals (EPA Method 6010B, except Mercury by EPA Method 7471A)																
		Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
		milligrams per kilograms (mg/kg) equivalent to parts per million																
S-1	9/2/2014	--	--	--	--	--	--	--	55.3	--	--	--	--	--	--	--	--	--
S-2		--	--	--	--	--	--	--	3.11J	--	--	--	--	--	--	--	--	
S-3		--	--	--	--	--	--	--	7.02	--	--	--	--	--	--	--	--	
S-4		--	--	--	--	--	--	--	6.45	--	--	--	--	--	--	--	--	
S-5		--	--	--	--	--	--	--	3.29J	--	--	--	--	--	--	--	--	
S-6	9/4/2014	--	--	--	--	--	--	--	4.97J	--	--	--	--	--	--	--	--	--
S-7		--	--	--	--	--	--	--	11.9	--	--	--	--	--	--	--	--	
S-8		<1.0	<1.0	174	<1.3	<1.3	24.9	14.2	38.8	7.70	<0.1	<2.5	18.5	<1.0	<2.5	<1.0	52.8	72.4
S-9		--	--	--	--	--	--	--	--	3.53J	--	--	--	--	--	--	--	--
S-10		--	--	--	--	--	--	--	--	6.20	--	--	--	--	--	--	--	--
S-11	9/8/2014	--	--	--	--	--	--	--	7.90	--	--	--	--	--	--	--	--	--
S-12		--	--	--	--	--	--	--	--	7.59	--	--	--	--	--	--	--	
S-13		--	--	--	--	--	--	--	--	3.06J	--	--	--	--	--	--	--	
S-14		--	--	--	--	--	--	--	--	6.22	--	--	--	--	--	--	--	
S-15		--	--	--	--	--	--	--	--	7.17	--	--	--	--	--	--	--	--
S-16	9/10/2014	--	--	--	--	--	--	--	6.66	--	--	--	--	--	--	--	--	--
S-17		--	--	--	--	--	--	--	--	31.6	--	--	--	--	--	--	--	
S-18		--	--	--	--	--	--	--	--	<2.5	--	--	--	--	--	--	--	
S-19		--	--	--	--	--	--	--	--	<2.5	--	--	--	--	--	--	--	
S-20	9/15/2014	--	--	--	--	--	--	--	19.9	--	--	--	--	--	--	--	--	--
S-21		<1.0	<1.0	86.6	<1.3	<1.3	15.4	7.39	18.1	38.8	<0.1	<2.5	16.5	<1.0	<2.5	<1.0	31.1	80.2
S-22		--	--	--	--	--	--	--	--	24.4	--	--	--	--	--	--	--	--
S-23		--	--	--	--	--	--	--	--	17.9	--	--	--	--	--	--	--	--
S-24		--	--	--	--	--	--	--	--	13.7	--	--	--	--	--	--	--	--
S-25		--	--	--	--	--	--	--	--	11.3	--	--	--	--	--	--	--	--
S-26		--	--	--	--	--	--	--	--	10.2	--	--	--	--	--	--	--	--
S-27		--	--	--	--	--	--	--	--	7.23	--	--	--	--	--	--	--	--
S-28		--	--	--	--	--	--	--	--	9.30	--	--	--	--	--	--	--	--
S-29		--	--	--	--	--	--	--	--	4.99J	--	--	--	--	--	--	--	--
S-30	9/18/2014	--	--	--	--	--	--	--	--	11.3	--	--	--	--	--	--	--	--
S-31	9/19/2014	<1.0	6.09	180	<1.3	<1.3	<2.5	10.0	25.1	7.33	<0.1	<2.5	17.2	<1.0	<2.5	<1.0	45.9	83.2
S-32		--	--	--	--	--	--	--	--	8.21	--	--	--	--	--	--	--	
S-33		--	--	--	--	--	--	--	--	3.71J	--	--	--	--	--	--	--	
S-34		--	--	--	--	--	--	--	--	7.26	--	--	--	--	--	--	--	
S-35		--	--	--	--	--	--	--	--	6.81	--	--	--	--	--	--	--	--
S-36	9/23/2014	--	--	--	--	--	--	--	--	2.66J	--	--	--	--	--	--	--	--
S-37		--	--	--	--	--	--	--	--	4.82J	--	--	--	--	--	--	--	
S-38		--	--	--	--	--	--	--	--	3.35J	--	--	--	--	--	--	--	
S-39		--	--	--	--	--	--	--	--	26.9	--	--	--	--	--	--	--	
S-40		--	--	--	--	--	--	--	--	5.05	--	--	--	--	--	--	--	
S-41	9/24/2014	--	--	--	--	--	--	--	--	3.49J	--	--	--	--	--	--	--	--
S-42		--	--	--	--	--	--	--	--	6.38	--	--	--	--	--	--	--	
S-43		--	--	--	--	--	--	--	--	3.66J	--	--	--	--	--	--	--	
S-44		--	--	--	--	--	--	--	--	3.82J	--	--	--	--	--	--	--	
S-45		--	--	--	--	--	--	--	--	9.54	--	--	--	--	--	--	--	--
S-46	9/25/2014	--	--	--	--	--	--	--	--	11.0	--	--	--	--	--	--	--	--
S-47		--	--	--	--	--	--	--	--	102	--	--	--	--	--	--	--	
S-48	9/29/2014	--	--	--	--	--	--	--	--	8.87	--	--	--	--	--	--	--	--
S-49		--	--	--	--	--	--	--	--	55.2	--	--	--	--	--	--	--	
S-50		--	--	--	--	--	--	--	--	81.7	--	--	--	--	--	--	--	
S-51		--	--	--	--	--	--	--	--	<2.5	--	--	--	--	--	--	--	
S-52		--	--	--	--	--	--	--	--	26.2	--	--	--	--	--	--	--	
S-53		--	--	--	--	--	--	--	--	<2.5	--	--	--	--	--	--	--	
S-54	9/30/2014	--	--	--	--	--	--	--	--	4.65J	--	--	--	--	--	--	--	
S-55		--	--	--	--	--	--	--	--	3.53J	--	--	--	--	--	--	--	
S-56		--	--	--	--	--	--	--	--	15.8	--	--	--	--	--	--	--	
S-57	10/1/2014	--	--	--	--	--	--	--	--	3.57J	--	--	--	--	--	--	--	
S-58		--	--	--	--	--	--	--	--	6.09	--	--	--	--	--	--	--	
S-59		--	--	--	--	--	--	--	--	3.99J	--	390	--	390	--	--	--	
S-60		--	--	--	--	--	--	--	--	28.9	--	--	--	--	--	--	--	
S-61	10/2/2014	--	--	--	--	--	--	--	--	3.50J	--	--	--	--	--	--	--	--
S-62		--	--	--	--	--	--	--	--	22.0	--	--	--	--	--	--	--	
S-63		--	--	--	--	--	--	--	--	<2.5	--	--	--	--	--	--	--	
S-64		--	--	--	--	--	--	--	--	15.9	--	--	--	--	--	--	--	
S-65		--	--	--	--	--	--	--	--	6.60	--	--	--	--	--	--	--	
S-66		--	--	--	--	--	--	--	--	3.57J	--	--	--	--	--	--	--	
S-67		--	--	--	--	--	--	--	--	4.85J	--	--	--	--	--	--	--	
S-68		--	--	--	--	--	--	--	--	3.81J	--	--	--	--	--	--	--	
S-69		--	--	--	--	--	--	--	--	<2.5	--	--	--	--	--	--	--	--
S-70		--	--	--	--	--	--	--	--	<2.5	--	--	--	--	--	--	--	--
S-71		--	--	--	--	--	--	--	--	2.89J	--	--	--	--	--	--	--	--
S-72		--	--	--	--	--	--	--	--	13.2	--	--	--	--	--	--	--	--
S-73		--	--	--	--	--	--	--	--	8.62	--	--	--	--	--	--	--	--
S-74	10/3/2014	--	--	--	--	--	--	--	--	92.9	--	--	--	--	--	--	--	--
S-75		--	--	--	--	--	--	--	--	5.15	--	--	--	--	--	--	--	
S-76		--	--	--	--	--	--	--	--	6.75	--	--	--	--	--	--	--	
S-77	2/14/2015	<1.0	<1.0	139	<1.3	<1.3	20.4	11.4	31.2	4.92 J	<0.1	<2.5	14.5	<1.0	<2.5	<1.0	39.0	59.9
S-78		--	--	--	--	--	--	--	--	<2.5	--	--	--	--	--	--	--	--
Typical Range for CA Soils*		0.15-1.95	0.6-11	133-1,400	0.25-2.7	0.05-1.7	23-1579	2.7-46.9	9.1-96.4	12.4-97.1	0.1-0.9	0.1-9.6	9-509	0.015-0.430	0.1-8.3	0.17-1.1	39-288	88-236
Residential RSL		31	0.67	15,000	160	70	120,000/0.30±	23	3,100	400	23	390	1,500	390	390	0.78	390	23,000
Industrial RSL		470	3.0	220,000	2,300	980	1,800,000/6.3±	350	47,000	800	350	5,800	22,000	5,800	5,800	12	5,800	350,000
Residential CHHSL		30	0.070	5,200	16	1.7	100,000/17±	660	3,000	80	18	380	1,600	380	380	5.0	530	23,000
Industrial CHHSL		380	0.24	63,000	190	7.5	100,000/37±	3,200	38,000	320	180	4,800	16,000	4,800	4,800	63	6,700	100,000
TTLC		500	500	10,000	75	100	2,500	8,000	2,500	1,000	20	3,500	2,000	100	500	700	2,400	5,000
STLC**		15	5	100	0.75	1	5	80	25	5	0.2	350	20	1	5	7	24	250
TCLP**		NA	5	100	NA	1	5	NA	NA	5	0.2	NA	NA	1.0	5	NA	NA	NA

Notes:

1) bgs = below ground surface

2) * Bradford, G.R., Chang, A.C., Page, A.L., Bakhtar, D., Fampton, J.A., and Wright, H., 1996, *Background Concentrations of Trace and Major Elements in California Soils*, Kearney Foundation of Soil Science Special Report, Division of Agriculture and Natural Resources, University of California.

3) ** - Values in milligrams per liter (mg/L)

4) ± Value for Chromium (III) / Value for Chromium (IV)

5) Residential RSL = US EPA Region 9 Regional Screening Levels for Residential Soils, January 2015 (http://www.epa.gov/reg3hwmd/risk/human/rb-concentration_table/Generic_Tables/docs/master_sl_table_run_JAN2015.pdf).

6) Industrial RSL = US EPA Region 9 Regional Screening Levels for Industrial Soils, January 2015 (http://www.epa.gov/reg3hwmd/risk/human/rb-concentration_table/Generic_Tables/docs/master_sl_table_run_JAN2015.pdf).

7) Residential CHHSL = California Human Health Screening Level for residential land use as published by the California Environmental Protection Agency, September 2010.

8) Industrial CHHSL = California Human Health Screening Level for commercial/industrial land use as published by the California Environmental Protection Agency, September 2010.

9) TTLC = Total Threshold Limit Concentration as identified in Title 22 of the California Code of Regulations. Wastes with concentrations above this value are considered hazardous for the purposes of disposal under California regulations.

10) STLC = Soluble Threshold Limit Concentration, in mg/L, as identified in Title 22 of the California Code of Regulations. A concentration of ten times the STLC is sometimes used as a trigger to conduct further analysis (i.e., the soluble analysis) of a sample to determine disposal requirements. Wastes with soluble concentrations above this value are considered hazardous for the purposes of disposal under California regulations.

11) TCLP = Toxicity Characteristic Leaching Procedure concentration, in mg/L, as identified in the Code of Federal Regulations. Wastes with soluble concentrations above this value are considered hazardous for the purposes of disposal under federal regulations.

12) "J" Indicates analyte was detected. However, analyte concentration is an estimated value which is between the method detection limit (MDL) and the practical quantitation limit (PQL).

13) NA = Not Applicable

14) -- = Not Analyzed

APPENDIX A

Permit to Operate

CITY OF LONG BEACH
DEPARTMENT OF HEALTH AND HUMAN SERVICES
DIVISION OF HAZARDOUS MATERIALS
2525 Grand Avenue, Long Beach, CA 90815
PERMIT TO OPERATE

No.: 030812

Date: March 8, 2012

The Division of Hazardous Materials hereby authorizes the permittee named below to conduct REMEDIAL ACTION at the Former City of Long Beach Public Service Yard, **1725 San Francisco Avenue, Long Beach, California**

In conformity with existing ordinances regulating Environmental Health. *Permit expires 90 days from issuance date.*
THIS PERMIT IS NOT TRANSFERABLE, and may be suspended or revoked for just cause.

Permittee: **San Francisco Yard LLC**

Consultant: **SCS Engineers**
3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806

Acting Health Officer: Mauro Torno, M.D.

DR. M. TORNIO, CITY HEALTH OFFICER

THIS PERMIT MUST BE POSTED IN A CONSPICUOUS PLACE AT THE ABOVE SITE ADDRESS

APPENDIX B

No Further Action Letters



California Regional Water Quality Control Board Los Angeles Region



Linda S. Adams
Acting Secretary for
Environmental Protection

320 West Fourth Street, Suite 200, Los Angeles, California 90013
(213) 576-6600 • Fax (213) 576-6640
<http://www.waterboards.ca.gov/losangeles>

Edmund G. Brown, Jr.
Governor

July 6, 2011

Mr. Frank Neely
City of Long Beach, Fleet Services
2600 Temple Avenue
Long Beach, CA 90806

**Underground Storage Tanks Program – Case Closure
Former Long Beach City Tow Yard
901 Anaheim Street West, Long Beach (Case No. 908130498) (Priority D-1 Site)**

Dear Mr. Neely:

This letter confirms the completion of a site investigation and corrective action for the underground storage tank(s) formerly located at the above-described location. Thank you for your cooperation throughout this investigation. Your willingness and promptness in responding to our inquiries concerning the former underground storage tank(s) are greatly appreciated.

Based on information in the above-referenced file and with the provision that the information provided to this agency was accurate and representative of site conditions, this agency finds that the site investigation and corrective action carried out at your underground tank(s) site is in compliance with the requirements of subdivision (a) and (b) of Section 25296.10 of the Health and Safety Code and with corrective action regulations adopted pursuant to Section 25299.3 of the Health and Safety Code and that no further action related to the petroleum release(s) at the site is required.

This notice is issued pursuant to subdivision (g) of Section 25296.10 of the Health and Safety Code.

If you have groundwater monitoring wells at the subject site, you must comply with the following:

1. All wells must be properly located and abandoned.
2. Well abandonment permits and all other necessary permits must be obtained from the appropriate agencies prior to the start of work.
3. You must submit a report on the abandonment of the wells to this office by **October 30, 2011**. This report must include, at a minimum, a site map, a description of the well abandonment process, and copies of all signed permits.

California Environmental Protection Agency

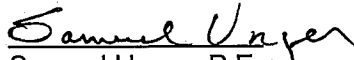
Frank Neely
Former Long Beach City Tow Yard UST case
901 Anaheim St. W.

- 2 -

July 6, 2011

If you have any questions regarding this matter, please contact Mr. Dave Bjostad at (213) 576-6712 or dbjostad@waterboards.ca.gov, or contact Dr. Weixing Tong at (213) 576-6715 or wtong@waterboards.ca.gov.

Sincerely,


Samuel Unger, P.E.
Executive Officer

cc: Kathy Jundt, State Water Resources Control Board, UST Cleanup Fund
Carmen Piro, City of Long Beach Department of Health and Human Services
Nancy Matsumoto, Water Replenishment District of Southern California
Clark Neuhoff, San Francisco Yard LLC, property owner (100 Bayview Circle, #310, Newport Beach, CA 92660)
Long Beach Redevelopment Agency, c/o Craig Justesen, Overland, Pacific & Cutler, Inc.
(3750 Schauffele Ave., Suite 150, Long Beach, CA 90808)
Kevin Green, SCS Engineers



Matthew Rodriguez
Secretary for
Environmental Protection

California Regional Water Quality Control Board Los Angeles Region

320 West Fourth Street, Suite 200, Los Angeles, California 90013
(213) 576-6600 • FAX (213) 576-6640
<http://www.waterboards.ca.gov/losangeles>



Edmund G. Brown Jr.
Governor

July 3, 2012

Ms. Carmen Piro
City of Long Beach
333 West Ocean Blvd.
Long Beach, CA 90802

**UNDERGROUND STORAGE TANKS PROGRAM – CASE CLOSURE
PUBLIC SERVICE YARD (PRIORITY D-1 SITE)
1725 SAN FRANCISCO AVENUE, SITE 43, LONG BEACH (FILE NO. 908130607)**

Dear Ms. Piro:

This letter confirms the completion of a site investigation and corrective action for the underground storage tanks formerly located at the above-described location. Thank you for your cooperation throughout this investigation. Your willingness and promptness in responding to our inquiries concerning the former underground storage tanks are greatly appreciated.

Based on information in the above-referenced file and with the provision that the information provided to this agency was accurate and representative of site conditions, this agency finds that the site investigation and corrective action carried out at your underground tank(s) site is in compliance with the requirements of subdivision (a) and (b) of Section 25296.10 of the Health and Safety Code and with corrective action regulations adopted pursuant to Section 25299.3 of the Health and Safety Code and that no further action related to the petroleum release(s) at the site is required.

This notice is issued pursuant to subdivision (g) of Section 25296.10 of the Health and Safety Code.

Claims for reimbursement of corrective action costs submitted to the Underground Storage Tank Cleanup Fund more than 365 days after the date of this letter or issuance or activation of the Fund's Letter of Commitment, whichever occurs later, will not be reimbursed unless one of the following exceptions applies:

- Claims are submitted pursuant to Section 25299.57, subdivision (k) (reopened UST case); or
- Submission within the timeframe was beyond the claimant's reasonable control, ongoing work is required for closure that will result in the submission of claims beyond that time period, or that under the circumstances of the case, it would be unreasonable or inequitable to impose the 365-day time period.

Ms. Carmen Piro

- 2 -

July 3, 2012

Please contact Mr. Noman Chowdhury at (213) 576-6704 or nchowdhury@waterboards.ca.gov if you have any questions regarding this matter.

Sincerely,



Samuel Unger, PE
Executive Officer

cc: Ms. Kathy Jundt, State Water Resources Control Board, UST Cleanup Fund
Ms. Phuong Ly, Water Replenishment District of Southern California
Mr. Richard Lavin, Los Angeles County, Department of Public Health, Environmental Health Division-Water & Sewage
Ms. Susan L Mearns, Mearns Consulting LLC
Mr. Matt Englund, ALERE Property Group LLC



CITY OF LONG BEACH

DEPARTMENT OF HEALTH AND HUMAN SERVICES

2525 GRAND AVENUE • LONG BEACH, CALIFORNIA 90815 • (562) 570-4000

July 11, 2012

Clark Neuhoff
San Francisco Yard LLC
100 Bayview Circle, Suite 310
Newport Beach, CA 92660

Regarding: 1725 San Francisco Avenue, Long Beach
(Parcel 7271-007-005/Southern Parcel)

Dear Mr. Neuhoff:

This letter confirms the completion of a site investigation related to the characterization of the soil at the former Long Beach City Public Service Yard, located at the above referenced location.

This letter specifically addresses the above referenced parcel and does not extend to other sections at the property.

Based on the Confirmation Sampling Report prepared by SCS Engineers, dated March 2, 2012, and with the provision that the information provided to this Agency was accurate and representative of site conditions, no further action is required.

Please note that this correspondence does not exempt you of any liability under the California Health and Safety Code or Water Code for past, present or future operations at the site address. Additionally, you maintain responsibility to correct any additional or previously unidentified conditions, which cause, or may thereafter cause, pollution or nuisance, or otherwise pose a threat to water quality or public health.

If you require additional information regarding this matter, you may contact Hazardous Materials Specialist, Carmen Piro at 562/570-4137

Sincerely,

Nelson Kerr, R.E.H.S., M.P.A.
Manager, Bureau of Environmental Health

cc: City of Long Beach Fire Prevention-Tim Buzbee
City of Long Beach Department of Public Works-Mike Conway. 333 West Ocean Blvd, 9th Floor, Long Beach, CA 90802
City of Long Beach Department of Development Services-Amy J. Bodeck. 333 West Ocean Blvd, 3rd Floor, Long Beach, CA 90802
City of Long Beach Department of Development Services/Building Bureau-Angela Reynolds. 333 West Ocean Blvd, 4th Floor, Long Beach, CA 90802
SCS Engineers-Kevin Green. 3900 Kilroy Way, Suite 100, Long Beach, CA 90806



CITY OF LONG BEACH

DEPARTMENT OF HEALTH AND HUMAN SERVICES

2525 GRAND AVENUE • LONG BEACH, CALIFORNIA 90815 • (562) 570-4000

July 11, 2012

Clark Neuhoff
San Francisco Yard LLC
100 Bayview Circle, Suite 310
Newport Beach, CA 92660

Regarding: 1725 San Francisco Avenue, Long Beach
(Parcel 7271-012-023/Northern Parcel)

Dear Mr. Neuhoff:

This letter confirms the completion of a site investigation related to the characterization of the soil at the former Long Beach City Public Service Yard, located at the above referenced location.

This letter specifically addresses the above referenced parcel and does not extend to other sections at the property.

Based on the Confirmation Sampling Report prepared by SCS Engineers, dated March 2, 2012, and with the provision that the information provided to this Agency was accurate and representative of site conditions, no further action is required.

Please note that this correspondence does not exempt you of any liability under the California Health and Safety Code or Water Code for past, present or future operations at the site address. Additionally, you maintain responsibility to correct any additional or previously unidentified conditions, which cause, or may thereafter cause, pollution or nuisance, or otherwise pose a threat to water quality or public health.

If you require additional information regarding this matter, you may contact Hazardous Materials Specialist, Carmen Piro at 562/570-4137

Sincerely,

Nelson Kerr, R.E.H.S., M.P.A.
Manager, Bureau of Environmental Health

Cc: City of Long Beach Fire Prevention-Tim Buzbee
City of Long Beach Department of Public Works-Mike Conway. 333 West Ocean Blvd, 9th Floor, Long Beach, CA 90802
City of Long Beach Department of Development Services-Amy J. Bodeck. 333 West Ocean Blvd, 3rd Floor, Long Beach, CA 90802
City of Long Beach Department of Development Services/Building Bureau-Angela Reynolds. 333 West Ocean Blvd, 4th Floor, Long Beach, CA 90802
SCS Engineers-Kevin Green. 3900 Kilroy Way, Suite 100, Long Beach, CA 90806

APPENDIX C

County of Los Angeles Grant of Certificate of Compliance

This page is part of your document - DO NOT DISCARD



20150139308



Pages:
0006

Recorded/Filed in Official Records
Recorder's Office, Los Angeles County,
California

02/06/15 AT 02:19PM

FEES:	30.00
TAXES:	0.00
OTHER:	0.00
PAID:	30.00



LEADSHEET



201502063330043

00010153447



006639713

SEQ:
03

DAR - Counter (Upfront Scan)



THIS FORM IS NOT TO BE DUPLICATED

Recording Requested by:
City of Long Beach
Department of Development Services

When Recorded Mail to:

Acting Planning Administrator
c/o Cuentin Jackson, 5th Floor
333 W. Ocean Blvd.
Long Beach, CA 90802



Space above this line reserved for Recorder's use

GRANT OF CERTIFICATE OF COMPLIANCE

The City of Long Beach has determined that the real property described below consists of contiguous parcels or units that have been or shall be developed with a project, which utilizes the contiguous parcels or units as one parcel or unit. Therefore, said parcels are deemed to be merged into one lot upon the recordation of this notice.

Application No.: 1411-08C
Property Owner: San Francisco Yard, LLC
Property Location: 1401 San Francisco Avenue
A.P.N.(s): 7271-008-013
Mailing Address: 100 Bayview Circle
Newport Beach, CA 92603

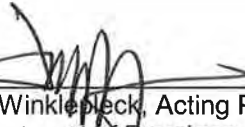
Said real property and the merger thereof of the existing parcels (as hereinafter described) as of the date of recordation of this document, has been determined to be in compliance with applicable provision of the Subdivision Map Act of the State of California (Section 66410 et seq. of the California Government Code) and the Subdivision Ordinance of the City of Long Beach, California, enacted pursuant thereto. The subject Certificate of Compliance is granted for the property described as follows:

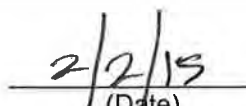
THAT PORTION OF THE LAND DESCRIBED IN "GRANT DEED", IN THE CITY OF LONG BEACH, COUNTY OF LOS ANGELES, AS PER DOCUMENT RECORDED DECEMBER 29, 2010 AS INSTRUMENT NO. 20101933672, OF OFFICIAL RECORDS, IN THE OFFICE OF SAID COUNTY RECORDER; LYING NORTHERLY OF THE NORTHERLY LINE OF THE VACATED 14TH STREET (60.00 FEET WIDE) AND SOUTHERLY OF THE NORTHERLY LINE OF THE VACATED COWLES STREET (60.00 FEET WIDE).

TOGETHER WITH THE EASTERLY 110.00 FEET OF THE LAND DESCRIBED IN SAID "GRANT DEED" LYING NORTHERLY OF THE NORTHERLY LINE OF THE VACATED COWLES STREET (60.00 FEET WIDE), AND SOUTHERLY OF THE CENTERLINE OF THE VACATED 15TH STREET (60.00 FEET WIDE).

Legal descriptions of the parcels and a survey plot plan are attached hereto and by this reference made a part hereof.

SUBJECT TO: COVENANTS, CONDITIONS, RESTRICTIONS, RESERVATIONS, EASEMENTS AND RIGHTS-OF-WAY, IF ANY.

By: 
Jeff Winkler, Acting Planning Administrator
Department of Development Services


(Date)

ACKNOWLEDGEMENT

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATE OF CALIFORNIA)
) ss.
COUNTY OF ORANGE)

On February 2, 2015, before me, Karen Jo McCormick, Notary Public, personally appeared Jeff Winklepleck, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature: Karen Jo McCormick (Seal)



EXHIBIT "A"

CERTIFICATE OF COMPLIANCE NO. 1411-08C

LEGAL DESCRIPTION

PARCEL "A"

THAT PORTION OF THE LAND DESCRIBED IN "GRANT DEED", IN THE CITY OF LONG BEACH, COUNTY OF LOS ANGELES, AS PER DOCUMENT RECORDED DECEMBER 29, 2010 AS INSTRUMENT NO. 20101933672, OF OFFICIAL RECORDS, IN THE OFFICE OF SAID COUNTY RECORDER; LYING NORTHERLY OF THE NORTHERLY LINE OF THE VACATED 14TH STREET (60.00 FEET WIDE), AND SOUTHERLY OF THE NORTHERLY LINE OF THE VACATED COWLES STREET (60.00 FEET WIDE).

TOGETHER WITH THE EASTERLY 110.00 FEET OF THE LAND DESCRIBED IN SAID "GRANT DEED" LYING NORTHERLY OF THE NORTHERLY LINE OF THE VACATED COWLES STREET (60.00 FEET WIDE), AND SOUTHERLY OF THE CENTERLINE OF THE VACATED 15TH STREET (60.00 FEET WIDE).

PARCEL "A" CONTAINING: 152,180 SQUARE FEET OR 3.494 ACRES MORE OR LESS

EXHIBIT "B" ATTACHED HERETO AND BY THIS REFERENCE MADE A PART HEREOF.

DESCRIPTION WAS PREPARED BY ME OR UNDER MY DIRECTION.


BRIAN L. THIENES
P.L.S. No. 5750
REG. EXP. 12/31/15

DATE 1/15/15



SCALE: 1" = 100'

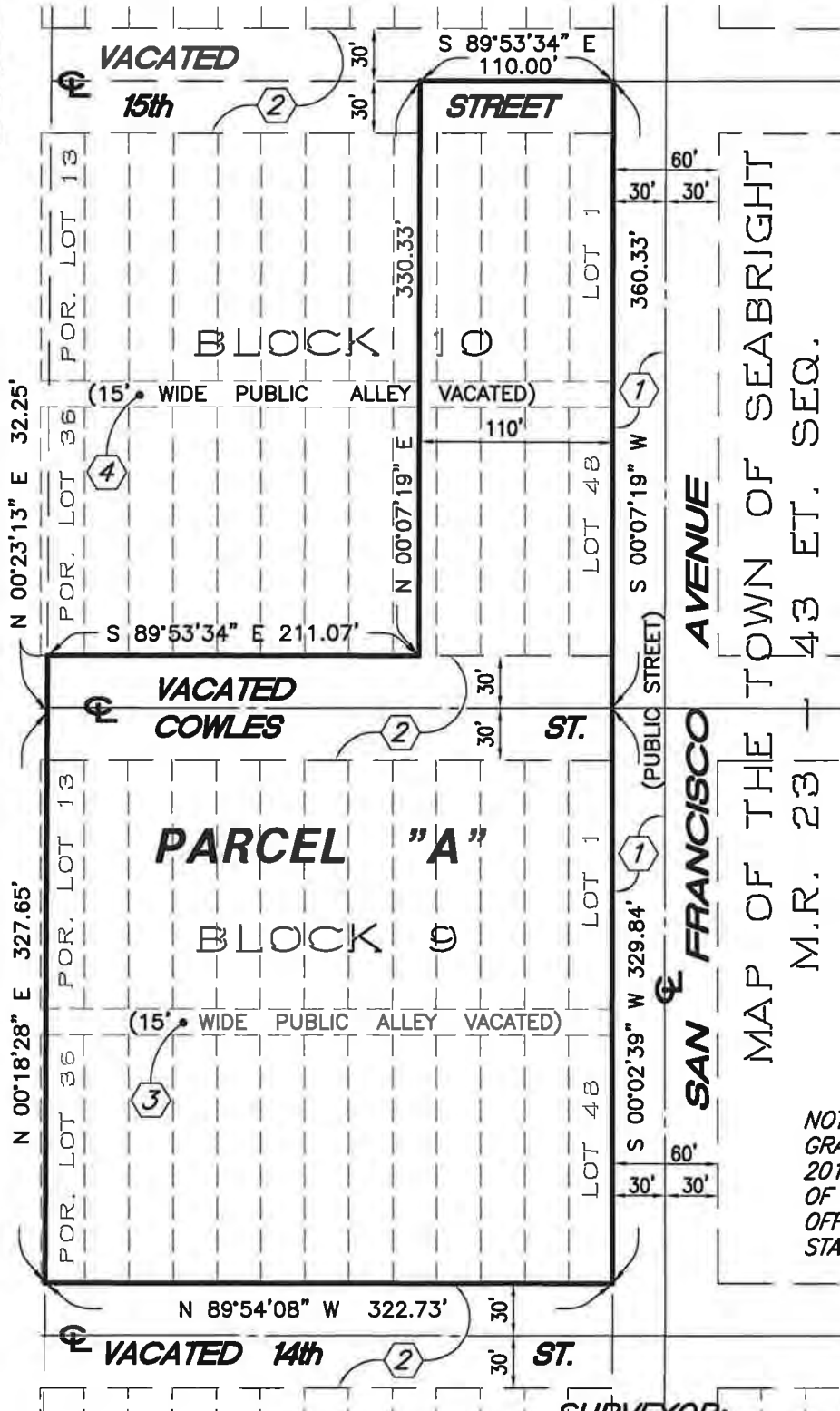
SHEET 1 OF 2

EXHIBIT "B"

CERTIFICATE OF COMPLAINE NO. 1411-08C

IN THE CITY OF LONG BEACH,
COUNTY OF LOS ANGELES,
STATE OF CALIFORNIA

LOS ANGELES COUNTY FLOOD
CONTROL DISTRICT CHANNEL



MAP OF THE TOWN OF SEABRIGHT
M.R. 23 - 43 ET. SEQ.

NOTE: ALL LAND BEING A PORTION OF A
GRANT DEED RECORDED DECEMBER 29,
2010, AS INSTRUMENT NO. 20101933672
OF OFFICIAL RECORDS, IN THE RECORDER'S
OFFICE OF LOS ANGELES COUNTY,
STATE OF CALIFORNIA.

Last Update: 01/21/15
O:\2993\COC\COC 1\2993_COC 1.dwg

PREPARED BY:

SURVEYOR:

PREPARED UNDER THE SUPERVISION OF:

Thienes Engineering, Inc.
CIVIL ENGINEERING • LAND SURVEYING
14349 FIRESTONE BOULEVARD
LA MIRADA, CALIFORNIA 90638
PH.(714)521-4811 FAX(714)521-4173

BRIAN L. THIENES
P.L.S. NO. 5750
REG. EXP. DEC. 31, 2015

1/15/15
DATE



EXHIBIT "B"

CERTIFICATE OF COMPLAINT NO. 1411-08C

IN THE CITY OF LONG BEACH,
COUNTY OF LOS ANGELES,
STATE OF CALIFORNIA**EXISTING EASEMENTS FOR PARCEL "A":**

- ① AN EASEMENT FOR PUBLIC STREETS AS DELINEATED OR OFFERED FOR DEDICATION ON MAP OF THE TOWN OF SEABRIGHT, M.R. 23 / 43-47. (EASEMENT BLANKET OVER THE WEST HALF OF SAN FRANCISCO AVENUE AND PLOTTED HEREON)
- ② EASEMENTS FOR UTILITY LINES AND ACCESS FOR MAINTENANCE AS RESERVED IN VACATION RESOLUTION NO. 10-0150, RECORDED DECEMBER 17, 2010 AS INSTRUMENT NO. 2010-1870726 AND DECEMBER 23, 2010 AS INSTRUMENT NO. 2010-1904672, BOTH OF OFFICIAL RECORDS.
(PORTIONS OF SAID EASEMENTS ARE ONSITE AND ARE BLANKET OVER VACATED 60' WIDE 14th STREET, 60' WIDE COWLES STREET, 60' WIDE 15th STREET AND 80' WIDE 16th STREET)
(UTILITY EASEMENTS RESERVED BY SAID DOCUMENTS ARE CURRENTLY BEING PROCESSED FOR VACATION WITH THE CITY OF LONG BEACH)
- ③ VACATIONS LISTED IN RESOLUTION NO. RES-07-0133, RECORDED DECEMBER 28, 2007 AS INSTRUMENT NO. 20072857194 AND RECORDED OCTOBER 20, 2009 AS INSTRUMENT NO. 2009-1586470, BOTH OF OFFICIAL RECORDS.
(UTILITY EASEMENTS RESERVED BY SAID DOCUMENTS ARE CURRENTLY BEING PROCESSED FOR VACATION WITH THE CITY OF LONG BEACH)
- ④ VACATIONS LISTED IN RESOLUTION NO. C-783 AND FINAL ORDER ADOPTED IN RESOLUTION NO. C-922, BOTH ON FILE IN CITY CLERK'S OFFICE, CITY OF LONG BEACH.

Last Update: 01/21/15
O:\2993\COC\COC 1\2993_COC 1.dwg

PREPARED BY:

TEI Thienes Engineering, Inc.
CIVIL ENGINEERING • LAND SURVEYING
14349 FIRESTONE BOULEVARD
LA MIRADA, CALIFORNIA 90638
PH.(714)521-4811 FAX(714)521-4173

This page is part of your document - DO NOT DISCARD



20150139306



Pages:
0006

Recorded/Filed in Official Records
Recorder's Office, Los Angeles County,
California

02/06/15 AT 02:19PM

FEES :	30.00
TAXES :	0.00
OTHER :	0.00
PAID :	30.00



LEADSHEET



201502063330043

00010153445



006639713

SEQ:
01

DAR - Counter (Upfront Scan)



THIS FORM IS NOT TO BE DUPLICATED

Recording Requested by:
City of Long Beach
Department of Development Services

When Recorded Mail to:

Acting Planning Administrator
c/o Cuentin Jackson, 5th Floor
333 W. Ocean Blvd.
Long Beach, CA 90802



Space above this line reserved for Recorder's use

GRANT OF CERTIFICATE OF COMPLIANCE

The City of Long Beach has determined that the real property described below consists of contiguous parcels or units that have been or shall be developed with a project, which utilizes the contiguous parcels or units as one parcel or unit. Therefore, said parcels are deemed to be merged into one lot upon the recordation of this notice.

Application No.: 1411-08B
Property Owner: San Francisco Yard, LLC
Property Location: 1475 San Francisco Avenue
A.P.N.(s): 7271-011-008
Mailing Address: 100 Bayview Circle
Newport Beach, CA 92603

Said real property and the merger thereof of the existing parcels (as hereinafter described) as of the date of recordation of this document, has been determined to be in compliance with applicable provision of the Subdivision Map Act of the State of California (Section 66410 et seq. of the California Government Code) and the Subdivision Ordinance of the City of Long Beach, California, enacted pursuant thereto. The subject Certificate of Compliance is granted for the property described as follows:

THAT PORTION OF THE LAND DESCRIBED IN "GRANT DEED", IN THE CITY OF LONG BEACH, COUNTY OF LOS ANGELES, AS PER DOCUMENT RECORDED DECEMBER 29, 2010 AS INSTRUMENT NO. 20101933672, OF OFFICIAL RECORDS, IN THE OFFICE OF SAID COUNTY RECORDER; LYING NORTHERLY OF THE NORTHERLY LINE OF THE VACATED COWLES STREET (60.00 FEET WIDE) AND SOUTHERLY OF THE CENTERLINE OF THE VACATED 15TH STREET (60.00 FEET WIDE).

EXCEPTING THEREFROM THE EASTERLY 110.00 FEET THEREOF.

TOGETHER WITH THAT PORTION OF THE LAND DESCRIBED IN SAID "GRANT DEED" LYING BETWEEN THE CENTERLINE AND THE NORTHERLY LINE OF THE VACTED 15TH STREET (60.00 FEET WIDE).

EXCEPTING THEREFROM THE EASTERLY 30.00 FEET OF THE NORTHERLY 12.50 FEET THEREOF.

Legal descriptions of the parcels and a survey plot plan are attached hereto and by this reference made a part hereof.

SUBJECT TO: COVENANTS, CONDITIONS, RESTRICTIONS, RESERVATIONS, EASEMENTS AND RIGHTS-OF-WAY, IF ANY.

By: 
Jeff Winkler, Acting Planning Administrator
Department of Development Services

2/2/15
(Date)

ACKNOWLEDGEMENT

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

[illegible]

On February 2, 2015, before me, Karen Jo McCracken, Notary Public, personally appeared Jeff Winklerpleck, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature: _____

: Kerry McCormick

(Seal)

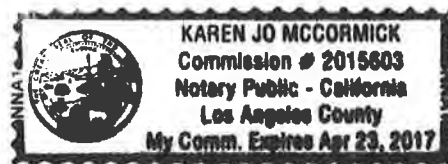


EXHIBIT "A"

CERTIFICATE OF COMPLIANCE NO. 1411-08B

LEGAL DESCRIPTION

LOT "A"

THAT PORTION OF THE LAND DESCRIBED IN "GRANT DEED", IN THE CITY OF LONG BEACH, COUNTY OF LOS ANGELES, AS PER DOCUMENT RECORDED DECEMBER 29, 2010 AS INSTRUMENT NO. 20101933672, OF OFFICIAL RECORDS, IN THE OFFICE OF SAID COUNTY RECORDER; LYING NORTHERLY OF THE NORTHERLY LINE OF THE VACATED COWLES STREET (60.00 FEET WIDE), AND SOUTHERLY OF THE CENTERLINE OF THE VACATED 15TH STREET (60.00 FEET WIDE).

EXCEPTING THEREFROM THE EASTERLY 110.00 FEET THEREOF.

TOGETHER WITH THAT PORTION OF THE LAND DESCRIBED IN SAID "GRANT DEED" LYING BETWEEN THE CENTERLINE AND THE NORTHERLY LINE OF THE VACATED 15TH STREET (60.00 FEET WIDE).

EXCEPTING THEREFROM THE EASTERLY 30.00 FEET OF THE NORTHERLY 12.50 FEET THEREOF.

LOT "A" CONTAINING: 78,680 SQUARE FEET OR 1.806 ACRES MORE OR LESS

EXHIBIT "B" ATTACHED HERETO AND BY THIS REFERENCE MADE A PART HEREOF.

DESCRIPTION WAS PREPARED BY ME OR UNDER MY DIRECTION.



BRIAN L. THIENES
P.L.S. No. 5750
REG. EXP. 12/31/15

DATE 1/15/15

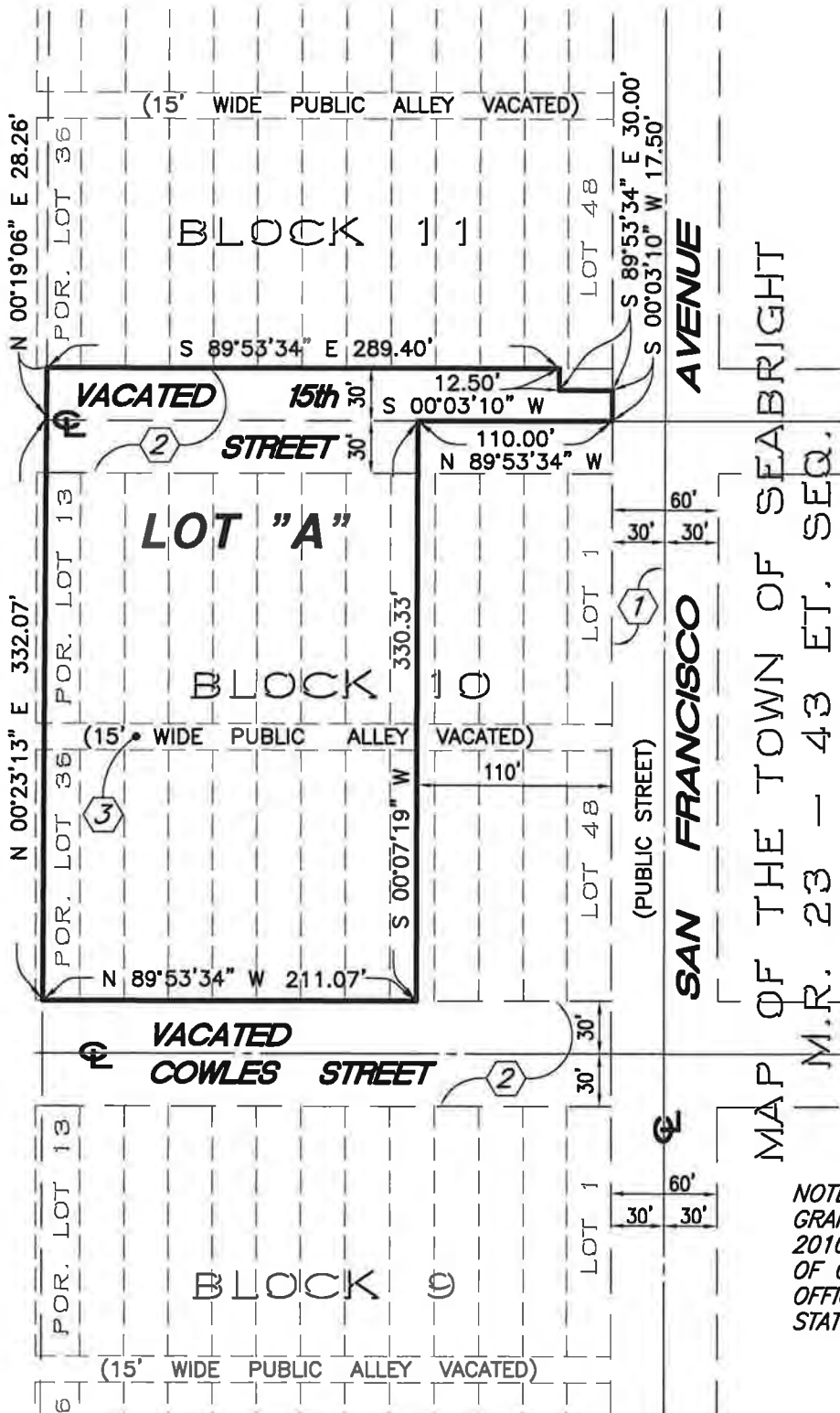


EXHIBIT "B"

CERTIFICATE OF COMPLAINE NO. 1411-08B

IN THE CITY OF LONG BEACH,
COUNTY OF LOS ANGELES,
STATE OF CALIFORNIA

LOS ANGELES COUNTY FLOOD
CONTROL DISTRICT CHANNEL



Last Update: 01/21/15
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PREPARED BY:

Thienes Engineering, Inc.
CIVIL ENGINEERING • LAND SURVEYING
14349 FIRESTONE BOULEVARD
LA MIRADA, CALIFORNIA 90638
PH.(714)521-4811 FAX(714)521-4173

SURVEYOR:

PREPARED UNDER THE SUPERVISION OF:

[Signature]
BRIAN L. THIENES
P.L.S. NO. 5750
REG. EXP. DEC. 31, 2015
1/15/15
DATE



EXHIBIT "B"

CERTIFICATE OF COMPLAINT NO. 1411-08B

IN THE CITY OF LONG BEACH,
COUNTY OF LOS ANGELES,
STATE OF CALIFORNIA**EXISTING EASEMENTS FOR LOT "A":**

- ① AN EASEMENT FOR PUBLIC STREETS AS DELINEATED OR OFFERED FOR DEDICATION ON MAP OF THE TOWN OF SEABRIGHT, M.R. 23 / 43-47. (EASEMENT BLANKET OVER THE WEST HALF OF SAN FRANCISCO AVENUE AND PLOTTED HEREON)
- ② EASEMENTS FOR UTILITY LINES AND ACCESS FOR MAINTENANCE AS RESERVED IN VACATION RESOLUTION NO. 10-0150, RECORDED DECEMBER 17, 2010 AS INSTRUMENT NO. 2010-1870726 AND DECEMBER 23, 2010 AS INSTRUMENT NO. 2010-1904672, BOTH OF OF OFFICIAL RECORDS.
(PORTIONS OF SAID EASEMENTS ARE ONSITE AND ARE BLANKET OVER VACATED 60' WIDE 14th STREET, 60' WIDE COWLES STREET, 60' WIDE 15th STREET AND 80' WIDE 16th STREET)
(UTILITY EASEMENTS RESERVED BY SAID DOCUMENTS ARE CURRENTLY BEING PROCESSED FOR VACATION WITH THE CITY OF LONG BEACH)
- ③ VACATIONS LISTED IN RESOLUTION NO. C-783 AND FINAL ORDER ADOPTED IN RESOLUTION NO. C-922, BOTH ON FILE IN CITY CLERK'S OFFICE, CITY OF LONG BEACH.

Last Update: 01/21/15
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APPENDIX D

Photos and Lead Hazard Signs



Photo 1. Excavation of lead-impacted soil with debris down to native soil.



Photo 2. Excavation of area beneath former historical building.



Photo 3. Completion of backfill of excavation on southern portion of Yard Parcel.



Photo 4. Completion of backfill of historical building area on Yard Parcel.



Photo 5. East side of AOC (Long Beach Parcel) at boundary with Yard Parcel.



Photo 6. View of privacy fencing bounding south side of AOC (Long Beach Parcel) with Lead Hazard sign.



Photo 7. Posting of Lead Hazard sign on east fence of AOC (Long Beach Parcel).



Photo 8. View of graded and asphalt paved Yard Parcel for future lease.

CAUTION

**LEAD
HAZARD**

**DO NOT ENTER WORK AREA
UNLESS AUTHORIZED**

APPENDIX E

Analytical Laboratory Reports – Confirmation Samples



American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

Ordered By

SCS Engineers
3900 Kilroy Airport Way Suite 100
Long Beach, CA 90806-6816

Number of Pages 4
Date Received 09/03/2014
Date Reported 09/04/2014

Telephone: (562)426-9544
Attention: Ashley Hutchens

Job Number	Order Date	Client
74247	09/03/2014	SCS

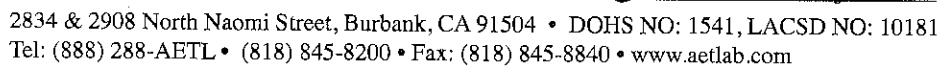
Project ID: 01210161.10
Project Name: Fmr Long Beach Public Service
Site: 1409 San Francisco Ave

Enclosed please find results of analyses of 7 soil samples which were analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By: _____

Approved By: _____

Cyrus Razmara, Ph.D.
Laboratory Director



Page 1 of 1

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator



American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181

Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

Page: 1 A

Ordered By

SCS Engineers
3900 Kilroy Airport Way Suite 100
Long Beach, CA 90806-6816

Project ID: 01210161.10
Date Received 09/03/2014
Date Reported 09/04/2014

Telephone: (562)426-9544
Attention: Ashley Hutchens

Job Number	Order Date	Client
74247	09/03/2014	SCS

CERTIFICATE OF ANALYSIS CASE NARRATIVE

AETL received 7 samples with the following specification on 09/03/2014.

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers
74247.01	DSP-01	09/02/2014	Soil	1
74247.02	DSP-02	09/02/2014	Soil	1
74247.03	S-1	09/02/2014	Soil	1
74247.04	S-2	09/02/2014	Soil	1
74247.05	S-3	09/02/2014	Soil	1
74247.06	S-4	09/02/2014	Soil	1
74247.07	S-5	09/02/2014	Soil	1

Method ^ Submethod	Req Date	Priority	TAT	Units
(6010B.LEAD)	09/04/2014	2	Rush	mg/Kg

The samples were analyzed as specified on the enclosed chain of custody.
No analytical non-conformances were encountered.

Checked By: 

Approved By: 

Cyrus Razmara, Ph.D.
Laboratory Director



American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

SCS Engineers
3900 Kilroy Airport Way
Suite 100
Long Beach, CA 90806-6816

Site

1409 San Francisco Ave

Telephone: (562)426-9544

Attn: Ashley Hutchens

Page: **2**

Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74247	09/03/2014	SCS

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 0904142C1

Our Lab I.D.			Method Blank	74247.01	74247.02	74247.03	74247.04
Client Sample I.D.				DSP-01	DSP-02	S-1	S-2
Date Sampled				09/02/2014	09/02/2014	09/02/2014	09/02/2014
Date Prepared			09/04/2014	09/04/2014	09/04/2014	09/04/2014	09/04/2014
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			09/04/2014	09/04/2014	09/04/2014	09/04/2014	09/04/2014
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Lead	2.5	5.0	ND	4,030	559	55.3	3.11J



American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

SCS Engineers
3900 Kilroy Airport Way
Suite 100
Long Beach, CA 90806-6816

Site

1409 San Francisco Ave

Telephone: (562)426-9544

Attn: Ashley Hutchens

Page: **3**

Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74247	09/03/2014	SCS

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 0904142C1

Our Lab I.D.		74247.05	74247.06	74247.07		
Client Sample I.D.		S-3	S-4	S-5		
Date Sampled		09/02/2014	09/02/2014	09/02/2014		
Date Prepared		09/04/2014	09/04/2014	09/04/2014		
Preparation Method		3050B	3050B	3050B		
Date Analyzed		09/04/2014	09/04/2014	09/04/2014		
Matrix		Soil	Soil	Soil		
Units		mg/Kg	mg/Kg	mg/Kg		
Dilution Factor		1	1	1		
Analytes	MDL	PQL	Results	Results	Results	
Lead	2.5	5.0	7.02	6.45	3.29J	



American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

SCS Engineers
3900 Kilroy Airport Way
Suite 100
Long Beach, CA 90806-6816

Site

1409 San Francisco Ave

Telephone: (562)426-9544

Attn: Ashley Hutchens

Page: 4

Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74247	09/03/2014	SCS

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 0904142C1; Dup or Spiked Sample: 74240.01; LCS: Clean Sand; QC Prepared: 09/04/2014; QC Analyzed: 09/04/2014;
Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Lead	10.2	50.0	49.3	78.2	50.0	48.0	75.6	3.38	75-125	<15

QC Batch No: 0904142C1; Dup or Spiked Sample: 74240.01; LCS: Clean Sand; QC Prepared: 09/04/2014; QC Analyzed: 09/04/2014;
Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Lead	50.0	42.9	85.8	50.0	42.6	85.2	<1	75-125	<15	



American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street, Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

Data Qualifiers and Descriptors

Data Qualifier:

#:	Recovery is not within acceptable control limits.
*:	In the QC section, sample results have been taken directly from the ICP reading. No preparation factor has been applied.
B:	Analyte was present in the Method Blank.
D:	Result is from a diluted analysis.
E:	Result is beyond calibration limits and is estimated.
H:	Analysis was performed over the allowed holding time due to circumstances which were beyond laboratory control.
J:	Analyte was detected. However, the analyte concentration is an estimated value, which is between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).
M:	Matrix spike recovery is outside control limits due to matrix interference. Laboratory Control Sample recovery was acceptable.
MCL:	Maximum Contaminant Level
NS:	No Standard Available
S6:	Surrogate recovery is outside control limits due to matrix interference.
S8:	The analysis of the sample required a dilution such that the surrogate concentration was diluted below the method acceptance criteria.
X:	Results represent LCS and LCSD data.

Definition:

%Limit:	Percent acceptable limits.
%REC:	Percent recovery.
Con.L:	Acceptable Control Limits
Conce:	Added concentration to the sample.
LCS:	Laboratory Control Sample
MDL:	Method Detection Limit is a statistically derived number which is specific for each instrument, each method, and each compound. It indicates a distinctively detectable quantity with 99% probability.



American Environmental Testing Laboratory Inc.

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Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

Data Qualifiers and Descriptors

MS:	Matrix Spike
MS DU:	Matrix Spike Duplicate
ND:	Analyte was not detected in the sample at or above MDL.
PQL:	Practical Quantitation Limit or ML (Minimum Level as per RWQCB) is the minimum concentration that can be quantified with more than 99% confidence. Taking into account all aspects of the entire analytical instrumentation and practice.
Recov:	Recovered concentration in the sample.
RPD:	Relative Percent Difference



American Environmental Testing Laboratory Inc.

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Date Reported 09/05/2014

Telephone: (562)426-9544
Attention: Ashley Hutchens

Job Number	Order Date	Client
74256	09/04/2014	SCS

Project ID: 01210161.10
Project Name: Fmr Long Beach Public Service
Site: 1409 San Francisco Ave

Enclosed please find results of analyses of 6 soil samples which were analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By: _____

Approved By: _____

Cyrus Razmara, Ph.D.
Laboratory Director



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CHAIN OF CUSTODY RECORD

No 88773

Page 1 of 1

COMPANY SCS Engineers		PROJECT MANAGER Ashley Hutchens		AETL JOB No. 74256		Page 1 of 1	
COMPANY ADDRESS 3900 Kilroy Airport Way		PHONE 562-426-4544		ANALYSIS REQUESTED		TEST INSTRUCTIONS & COMMENTS	
		FAX					
PROJECT NAME Long Beach Public Service yard		PROJECT # 01210161.10		Lead (60108) Title 22 metals Cyanide			
SITE NAME AND ADDRESS 1409 San Francisco Ave		PO #					

SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.											
1 DSP-03	74256.01	9/4/14	09:00	Soil	4oz Jar	Ice	X										
2 S-6	74256.02		01:10PM				X										
3 S-7	74256.03		1:13PM				X										
4 S-8	74256.04		1:28PM				X	X									
5 S-9	74256.05		1:34PM				X										
6 S-10	74256.06	X	1:34PM	X	X	X	X										
7																	
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	

SAMPLE RECEIPT - TO BE FILLED BY LABORATORY				RELINQUISHED BY: 1.		RELINQUISHED BY: 2.		RELINQUISHED BY: 3.	
TOTAL NUMBER OF CONTAINERS	6	PROPERLY COOLED	Y / N / NA	Signature:	<i>[Signature]</i>	Signature:	<i>[Signature]</i>	Signature:	<i>[Signature]</i>
CUSTODY SEALS	Y / N / NA	SAMPLES INTACT	Y / N / NA	Printed Name:	Josh Bartuside	Printed Name:		Printed Name:	Thomas Robinson
RECEIVED IN GOOD COND.	Y / N	SAMPLES ACCEPTED	Y / N	Date:	9/4/14	Date:		Date:	9-4-14
				Time:	1420	Time:		Time:	1515
TURN AROUND TIME		DATA DELIVERABLE REQUIRED		RECEIVED BY: 1.		RECEIVED BY: 2.		RECEIVED BY: 3.	
☐ NORMAL	☒ RUSH	☐ SAME DAY	☐ HARD COPY	Signature:	<i>[Signature]</i>	Signature:	<i>[Signature]</i>	Signature:	<i>[Signature]</i>
☐ 2 DAYS	☐ NEXT DAY	☒ PDF	☐ GEOTRACKER (GLOBAL ID)	Printed Name:	Thomas Robinson	Printed Name:		Printed Name:	Sean Claude
☐ 3 DAYS	☐ OTHER (PLEASE SPECIFY)			Date:	9-4-14	Date:		Date:	9/4/14
				Time:	1420	Time:		Time:	1515

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Ordered By

SCS Engineers
3900 Kilroy Airport Way Suite 100
Long Beach, CA 90806-6816

Project ID: 01210161.10
Date Received 09/04/2014
Date Reported 09/05/2014

Telephone: (562)426-9544
Attention: Ashley Hutchens

Job Number	Order Date	Client
74256	09/04/2014	SCS

CERTIFICATE OF ANALYSIS CASE NARRATIVE

AETL received 6 samples with the following specification on 09/04/2014.

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers		
74256.01	DSP-03	09/04/2014	Soil	1		
74256.02	S-6	09/04/2014	Soil	1		
74256.03	S-7	09/04/2014	Soil	1		
74256.05	S-9	09/04/2014	Soil	1		
74256.06	S-10	09/04/2014	Soil	1		
	Method ^ Submethod		Req Date	Priority	TAT	Units
	(6010B.LEAD)		09/05/2014	2	Rush	mg/Kg
74256.04	S-8	09/04/2014	Soil	1		
	Method ^ Submethod		Req Date	Priority	TAT	Units
	(6010B/7000CAM)		09/05/2014	2	Rush	mg/Kg

The samples were analyzed as specified on the enclosed chain of custody. Analytical non-conformances have been noted on the report.

Checked By: 

Approved By: 

Cyrus Razmara, Ph.D.
Laboratory Director



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ANALYTICAL RESULTS

Ordered By

Site

SCS Engineers
3900 Kilroy Airport Way
Suite 100
Long Beach, CA 90806-6816

1409 San Francisco Ave

Telephone: (562)426-9544

Attn: Ashley Hutchens

Page: 2

Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74256	09/04/2014	SCS

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 0904142C4

Our Lab I.D.		Method Blank	74256.01	74256.02	74256.03	74256.05
Client Sample I.D.			DSP-03	S-6	S-7	S-9
Date Sampled			09/04/2014	09/04/2014	09/04/2014	09/04/2014
Date Prepared		09/04/2014	09/04/2014	09/04/2014	09/04/2014	09/04/2014
Preparation Method		3050B	3050B	3050B	3050B	3050B
Date Analyzed		09/05/2014	09/05/2014	09/05/2014	09/05/2014	09/05/2014
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results
Lead	2.5	5.0	ND	1,210	4.97J	11.9
						3.53J



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ANALYTICAL RESULTS

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Site

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Telephone: (562)426-9544

Attn: Ashley Hutchens

Page: **3**

Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74256	09/04/2014	SCS

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 0904142C4

Our Lab I.D.		74256.06				
Client Sample I.D.		S-10				
Date Sampled		09/04/2014				
Date Prepared		09/04/2014				
Preparation Method		3050B				
Date Analyzed		09/05/2014				
Matrix		Soil				
Units		mg/Kg				
Dilution Factor		1				
Analytes	MDL	PQL	Results			
Lead	2.5	5.0	6.20			



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ANALYTICAL RESULTS

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Attn: Ashley Hutchens

Page: **4**

Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74256	09/04/2014	SCS

Method: (6010B/7000CAM), CAM Title 22 Metals (SW-846)

QC Batch No: 0904142C4

Our Lab I.D.			Method Blank	74256.04			
Client Sample I.D.				S-8			
Date Sampled				09/04/2014			
Date Prepared			09/04/2014	09/04/2014			
Preparation Method			3050B	3050B			
Date Analyzed			09/05/2014	09/05/2014			
Matrix			Soil	Soil			
Units			mg/Kg	mg/Kg			
Dilution Factor			1	1			
Analytes	MDL	PQL	Results	Results			
Antimony	1.0	5.0	ND	ND			
Arsenic	1.0	5.0	ND	ND			
Barium	2.5	5.0	ND	174			
Beryllium	1.3	2.5	ND	ND			
Cadmium	1.3	2.5	ND	ND			
Chromium	2.5	5.0	ND	24.9			
Cobalt	2.5	5.0	ND	14.2			
Copper	2.5	5.0	ND	38.8			
Lead	2.5	5.0	ND	7.70			
Mercury (By EPA 7471)	0.1	0.2	ND	ND			
Molybdenum	2.5	5.0	ND	ND			
Nickel	2.5	5.0	ND	18.5			
Selenium	1.0	5.0	ND	ND			
Silver	2.5	5.0	ND	ND			
Thallium	1.0	5.0	ND	ND			
Vanadium	2.5	5.0	ND	52.8			
Zinc	2.5	5.0	ND	72.4			



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QUALITY CONTROL RESULTS

Ordered By

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Long Beach, CA 90806-6816

Site

1409 San Francisco Ave

Telephone: (562)426-9544

Attn: Ashley Hutchens

Page: **5**

Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74256	09/04/2014	SCS

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 0904142C4; Dup or Spiked Sample: 74256.01; LCS: Clean Sand; QC Prepared: 09/04/2014; QC Analyzed: 09/05/2014;
Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Lead	1,210	50.0	389 M	776	50.0	1,600 M	780	<1	75-125	<15

QC Batch No: 0904142C4; Dup or Spiked Sample: 74256.01; LCS: Clean Sand; QC Prepared: 09/04/2014; QC Analyzed: 09/05/2014;
Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Lead	50.0	39.1	78.2	50.0	39.4	78.8	<1	75-125	<15	



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QUALITY CONTROL RESULTS

Ordered By

Site

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Long Beach, CA 90806-6816

1409 San Francisco Ave

Telephone: (562)426-9544

Attn: Ashley Hutchens

Page: 6

Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74256	09/04/2014	SCS

Method: (6010B/7000CAM), CAM Title 22 Metals (SW-846)

QC Batch No: 0904142C4; Dup or Spiked Sample: 74256.01; LCS: Clean Sand; QC Prepared: 09/04/2014; QC Analyzed: 09/05/2014;
Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Antimony	0.00	50.0	44.3	88.6	50.0	44.8	89.6	1.12	75-125	<15
Arsenic	6.54	50.0	48.4	83.7	50.0	48.3	83.5	<1	75-125	<15
Barium	519	50.0	575	112	50.0	573	108	3.64	75-125	<15
Beryllium	0.00	50.0	41.7	83.4	50.0	41.7	83.4	<1	75-125	<15
Cadmium	0.00	50.0	41.5	83.0	50.0	41.5	83.0	<1	75-125	<15
Chromium	24.2	50.0	63.8	79.2	50.0	63.4	78.4	1.02	75-125	<15
Cobalt	10.0	50.0	44.3 M	68.6	50.0	44.2 M	68.4	<1	75-125	<15
Copper	236	50.0	261 M	50.0	50.0	260 M	48.0	4.08	75-125	<15
Lead	907	50.0	1,300 M	776	50.0	1,300 M	780	<1	75-125	<15
Mercury (By EPA 7471)	0.00	0.500	0.535	107	0.500	0.520	104	2.8	75-125	<15
Molybdenum	0.00	50.0	39.0	78.0	50.0	38.7	77.4	<1	75-125	<15
Nickel	37.0	50.0	61.3 M	48.6	50.0	61.4 M	48.8	<1	75-125	<15
Selenium	0.00	50.0	39.2	78.4	50.0	40.4	80.8	3.02	75-125	<15
Silver	0.00	50.0	39.9	79.8	50.0	39.7	79.4	<1	75-125	<15
Thallium	0.00	50.0	23.3 M	46.6	50.0	23.9 M	47.8	2.54	75-125	<15
Vanadium	36.0	50.0	72.2 M	72.4	50.0	71.5 M	71.0	1.95	75-125	<15
Zinc	1,180	50.0	2,360 M	2358	50.0	2,370 M	2382	1.01	75-125	<15

QC Batch No: 0904142C4; Dup or Spiked Sample: 74256.01; LCS: Clean Sand; QC Prepared: 09/04/2014; QC Analyzed: 09/05/2014;
Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Antimony	50.0	39.5	79.0	50.0	40.1	80.2	1.51	75-125	<15	
Arsenic	50.0	41.4	82.8	50.0	42.0	84.0	1.44	75-125	<15	
Barium	50.0	42.1	84.2	50.0	42.5	85.0	<1	75-125	<15	
Beryllium	50.0	47.5	95.0	50.0	47.3	94.6	<1	75-125	<15	
Cadmium	50.0	40.5	81.0	50.0	40.9	81.8	<1	75-125	<15	
Chromium	50.0	42.7	85.4	50.0	43.0	86.0	<1	75-125	<15	
Cobalt	50.0	40.4	80.8	50.0	40.7	81.4	<1	75-125	<15	
Copper	50.0	45.5	91.0	50.0	46.0	92.0	1.09	75-125	<15	



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QUALITY CONTROL RESULTS

Page: 7

Project ID: 01210161.10
Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74256	09/04/2014	SCS

Method: (6010B/7000CAM), CAM Title 22 Metals (SW-846)

QC Batch No: 0904142C4; Dup or Spiked Sample: 74256.01; LCS: Clean Sand; QC Prepared: 09/04/2014; QC Analyzed: 09/05/2014;
Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Lead	50.0	39.1	78.2	50.0	39.4	78.8	<1	75-125	<15	
Mercury (By EPA 7471)	0.500	0.530	106	0.500	0.530	106	<1	75-125	<15	
Molybdenum	50.0	44.4	88.8	50.0	44.6	89.2	<1	75-125	<15	
Nickel	50.0	39.8	79.6	50.0	40.4	80.8	1.50	75-125	<15	
Selenium	50.0	40.7	81.4	50.0	40.9	81.8	<1	75-125	<15	
Silver	50.0	42.1	84.2	50.0	42.4	84.8	<1	75-125	<15	
Thallium	50.0	38.0	76.0	50.0	38.5	77.0	1.31	75-125	<15	
Vanadium	50.0	44.8	89.6	50.0	45.0	90.0	<1	75-125	<15	
Zinc	50.0	41.8	83.6	50.0	42.4	84.8	1.43	75-125	<15	



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Data Qualifiers and Descriptors

Data Qualifier:

#:	Recovery is not within acceptable control limits.
*:	In the QC section, sample results have been taken directly from the ICP reading. No preparation factor has been applied.
B:	Analyte was present in the Method Blank.
D:	Result is from a diluted analysis.
E:	Result is beyond calibration limits and is estimated.
H:	Analysis was performed over the allowed holding time due to circumstances which were beyond laboratory control.
J:	Analyte was detected. However, the analyte concentration is an estimated value, which is between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).
M:	Matrix spike recovery is outside control limits due to matrix interference. Laboratory Control Sample recovery was acceptable.
MCL:	Maximum Contaminant Level
NS:	No Standard Available
S6:	Surrogate recovery is outside control limits due to matrix interference.
S8:	The analysis of the sample required a dilution such that the surrogate concentration was diluted below the method acceptance criteria.
X:	Results represent LCS and LCSD data.

Definition:

%Limit:	Percent acceptable limits.
%REC:	Percent recovery.
Con.L:	Acceptable Control Limits
Conce:	Added concentration to the sample.
LCS:	Laboratory Control Sample
MDL:	Method Detection Limit is a statistically derived number which is specific for each instrument, each method, and each compound. It indicates a distinctively detectable quantity with 99% probability.



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Data Qualifiers and Descriptors

MS:	Matrix Spike
MS DU:	Matrix Spike Duplicate
ND:	Analyte was not detected in the sample at or above MDL.
PQL:	Practical Quantitation Limit or ML (Minimum Level as per RWQCB) is the minimum concentration that can be quantified with more than 99% confidence. Taking into account all aspects of the entire analytical instrumentation and practice.
Recov:	Recovered concentration in the sample.
RPD:	Relative Percent Difference



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Ordered By

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Long Beach, CA 90806-6816

Number of Pages 4
Date Received 09/08/2014
Date Reported 09/09/2014

Telephone: (562)426-9544
Attention: Ashley Hutchens

Job Number	Order Date	Client
74297	09/08/2014	SCS

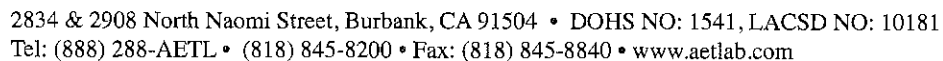
Project ID: 01210161.10
Project Name: Fmr Long Beach Public Service
Site: 1409 San Francisco Ave

Enclosed please find results of analyses of 6 soil samples which were analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By: _____

Approved By: _____

Cyrus Razmara, Ph.D.
Laboratory Director



№ 88774

Page 1 of 1

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator



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Page: 1 A

Ordered By

SCS Engineers
3900 Kilroy Airport Way Suite 100
Long Beach, CA 90806-6816

Project ID: 01210161.10
Date Received 09/08/2014
Date Reported 09/09/2014

Telephone: (562)426-9544
Attention: Ashley Hutchens

Job Number	Order Date	Client
74297	09/08/2014	SCS

CERTIFICATE OF ANALYSIS CASE NARRATIVE

AETL received 6 samples with the following specification on 09/08/2014.

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers
74297.01	DSP-04	09/05/2014	Soil	1
74297.02	S-11	09/08/2014	Soil	1
74297.03	S-12	09/08/2014	Soil	1
74297.04	S-13	09/08/2014	Soil	1
74297.05	S-14	09/08/2014	Soil	1
74297.06	S-15	09/08/2014	Soil	1

Method ^ Submethod	Req Date	Priority	TAT	Units
(6010B.LEAD)	09/09/2014	2	Rush	mg/Kg

The samples were analyzed as specified on the enclosed chain of custody.
No analytical non-conformances were encountered.

Checked By: 

Approved By: 

Cyrus Razmara, Ph.D.
Laboratory Director



American Environmental Testing Laboratory Inc.

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ANALYTICAL RESULTS

Ordered By

SCS Engineers
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Long Beach, CA 90806-6816

Site

1409 San Francisco Ave

Telephone: (562)426-9544

Attn: Ashley Hutchens

Page: **2**

Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74297	09/08/2014	SCS

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 0908142C1

Our Lab I.D.		Method Blank	74297.01	74297.02	74297.03	74297.04
Client Sample I.D.			DSP-04	S-11	S-12	S-13
Date Sampled			09/05/2014	09/08/2014	09/08/2014	09/08/2014
Date Prepared		09/08/2014	09/08/2014	09/08/2014	09/08/2014	09/08/2014
Preparation Method		3050B	3050B	3050B	3050B	3050B
Date Analyzed		09/09/2014	09/09/2014	09/09/2014	09/09/2014	09/09/2014
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results
Lead	2.5	5.0	ND	810	7.90	7.59
						3.06J



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ANALYTICAL RESULTS

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Attn: Ashley Hutchens

Page: **3**

Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74297	09/08/2014	SCS

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 0908142C1

Our Lab I.D.		74297.05	74297.06			
Client Sample I.D.		S-14	S-15			
Date Sampled		09/08/2014	09/08/2014			
Date Prepared		09/08/2014	09/08/2014			
Preparation Method		3050B	3050B			
Date Analyzed		09/09/2014	09/09/2014			
Matrix		Soil	Soil			
Units		mg/Kg	mg/Kg			
Dilution Factor		1	1			
Analytes		MDL	PQL	Results	Results	
Lead		2.5	5.0	6.22	7.17	



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QUALITY CONTROL RESULTS

Ordered By

SCS Engineers
3900 Kilroy Airport Way
Suite 100
Long Beach, CA 90806-6816

Site

1409 San Francisco Ave

Telephone: (562)426-9544

Attn: Ashley Hutchens

Page: 4

Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74297	09/08/2014	SCS

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 0908142C1; Dup or Spiked Sample: 74293.01; LCS: Clean Sand; QC Prepared: 09/08/2014; QC Analyzed: 09/09/2014;
Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Lead	4.57	50.0	43.6	78.1	50.0	43.0	76.9	1.55	75-125	<15

QC Batch No: 0908142C1; Dup or Spiked Sample: 74293.01; LCS: Clean Sand; QC Prepared: 09/08/2014; QC Analyzed: 09/09/2014;
Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Lead	50.0	40.0	80.0	50.0	39.9	79.8	<1	75-125	<15	



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Data Qualifiers and Descriptors

Data Qualifier:

#:	Recovery is not within acceptable control limits.
*:	In the QC section, sample results have been taken directly from the ICP reading. No preparation factor has been applied.
B:	Analyte was present in the Method Blank.
D:	Result is from a diluted analysis.
E:	Result is beyond calibration limits and is estimated.
H:	Analysis was performed over the allowed holding time due to circumstances which were beyond laboratory control.
J:	Analyte was detected. However, the analyte concentration is an estimated value, which is between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).
M:	Matrix spike recovery is outside control limits due to matrix interference. Laboratory Control Sample recovery was acceptable.
MCL:	Maximum Contaminant Level
NS:	No Standard Available
S6:	Surrogate recovery is outside control limits due to matrix interference.
S8:	The analysis of the sample required a dilution such that the surrogate concentration was diluted below the method acceptance criteria.
X:	Results represent LCS and LCSD data.

Definition:

%Limit:	Percent acceptable limits.
%REC:	Percent recovery.
Con.L:	Acceptable Control Limits
Conce:	Added concentration to the sample.
LCS:	Laboratory Control Sample
MDL:	Method Detection Limit is a statistically derived number which is specific for each instrument, each method, and each compound. It indicates a distinctively detectable quantity with 99% probability.



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Data Qualifiers and Descriptors

MS:	Matrix Spike
MS DU:	Matrix Spike Duplicate
ND:	Analyte was not detected in the sample at or above MDL.
PQL:	Practical Quantitation Limit or ML (Minimum Level as per RWQCB) is the minimum concentration that can be quantified with more than 99% confidence. Taking into account all aspects of the entire analytical instrumentation and practice.
Recov:	Recovered concentration in the sample.
RPD:	Relative Percent Difference



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Ordered By

SCS Engineers
3900 Kilroy Airport Way Suite 100
Long Beach, CA 90806-6816

Number of Pages 2
Date Received 09/10/2014
Date Reported 09/11/2014

Telephone: (562)426-9544
Attention: Ashley Hutchens

Job Number	Order Date	Client
74338	09/10/2014	SCS

Project ID: 01210161.10
Project Name: Fmr Long Beach Public Service
Site: 1409 San Francisco Ave

Enclosed please find results of analyses of 4 soil samples which were analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By: 

Approved By: 

Cyrus Razmara, Ph.D.
Laboratory Director



American Environmental Testing Laboratory Inc.

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CHAIN OF CUSTODY RECORD

No 88775

AETL JOB No.

74338

Page 1 of 1

COMPANY SCS Engineers	PROJECT MANAGER Ashley Hutchens
COMPANY ADDRESS 3900 Kilroy Airport way	PHONE 562-426-9544
PROJECT NAME Long Beach Public Service yard	FAX
SITE NAME AND ADDRESS 1409 San Francisco Ave	PROJECT # 01210161.12
	PO #

ANALYSIS REQUESTED

TEST INSTRUCTIONS & COMMENTS

SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.
1 S-16	74338-01	9/10/14	08:38	Soil	Jar	Ice
2 S-17	74338-02		08:43			
3 S-18	74338-03		08:48			
4 S-19	74338-04	*	09:56	*	*	*
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						

Lead (60103)

SAMPLE RECEIPT - TO BE FILLED BY LABORATORY

TOTAL NUMBER OF CONTAINERS 4	PROPERLY COOLED Y/N/NA
CUSTODY SEALS Y/N/NA	SAMPLES INTACT Y/N/NA
RECEIVED IN GOOD COND. Y/N	SAMPLES ACCEPTED Y/N

TURN AROUND TIME

DATA DELIVERABLE REQUIRED

☐ NORMAL
 ☒ RUSH
 ☐ SAME DAY
 ☐ NEXT DAY
 ☐ 2 DAYS
 ☐ 3 DAYS

☐ HARD COPY
 ☒ PDF
 ☐ GEOTRACKER (GLOBAL ID)
 ☐ OTHER (PLEASE SPECIFY)

RELINQUISHED BY: 1. SAMPLER

Signature: *[Signature]*
 Printed Name: **John Bartusick**
 Date: **9/10/14** Time: **1415**

RECEIVED BY: 1.

Signature: *[Signature]*
 Printed Name: **Samir S P**
 Date: **9/10/14** Time: **1415**

RELINQUISHED BY: 2.

Signature: *[Signature]*
 Printed Name: **John Bartusick**
 Date: **9/10/14** Time: **1640**

RECEIVED BY: 2.

Signature: *[Signature]*
 Printed Name: **Samir S P**
 Date: **9/10/14** Time: **1640**

RELINQUISHED BY: 3.

Signature: *[Signature]*
 Printed Name: **John Bartusick**
 Date: **9/10/14** Time: **1640**

RECEIVED BY: 3. LABORATORY

Signature: *[Signature]*
 Printed Name: **Samir S P**
 Date: **9/10/14** Time: **1640**



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Long Beach, CA 90806-6816

Project ID: 01210161.10
Date Received 09/10/2014
Date Reported 09/11/2014

Telephone: (562)426-9544
Attention: Ashley Hutchens

Job Number	Order Date	Client
74338	09/10/2014	SCS

CERTIFICATE OF ANALYSIS CASE NARRATIVE

AETL received 4 samples with the following specification on 09/10/2014.

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers
74338.01	S-16	09/10/2014	Soil	1
74338.02	S-17	09/10/2014	Soil	1
74338.03	S-18	09/10/2014	Soil	1
74338.04	S-19	09/10/2014	Soil	1
Method ^ Submethod	Req Date	Priority	TAT	Units
(6010B.LEAD)	09/11/2014	2	Rush	mg/Kg

The samples were analyzed as specified on the enclosed chain of custody.
No analytical non-conformances were encountered.

Checked By: 

Approved By: 

Cyrus Razmara, Ph.D.
Laboratory Director



American Environmental Testing Laboratory Inc.

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ANALYTICAL RESULTS

Ordered By

Site

SCS Engineers
3900 Kilroy Airport Way
Suite 100
Long Beach, CA 90806-6816

1409 San Francisco Ave

Telephone: (562)426-9544

Attn: Ashley Hutchens

Page: 2

Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74338	09/10/2014	SCS

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 0911142C1

Our Lab I.D.			Method Blank	74338.01	74338.02	74338.03	74338.04
Client Sample I.D.				S-16	S-17	S-18	S-19
Date Sampled				09/10/2014	09/10/2014	09/10/2014	09/10/2014
Date Prepared			09/11/2014	09/11/2014	09/11/2014	09/11/2014	09/11/2014
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			09/11/2014	09/11/2014	09/11/2014	09/11/2014	09/11/2014
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Lead	2.5	5.0	ND	6.66	31.6	ND	ND

QUALITY CONTROL REPORT

QC Batch No: 0911142C1; Dup or Spiked Sample: 74338.01; LCS: Clean Sand; QC Prepared: 09/11/2014; QC Analyzed: 09/11/2014;
Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Lead	6.66	50.0	55.5	97.7	50.0	55.9	98.5	<1	75-125	<15

QC Batch No: 0911142C1; Dup or Spiked Sample: 74338.01; LCS: Clean Sand; QC Prepared: 09/11/2014; QC Analyzed: 09/11/2014;
Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Lead	50.0	42.3	84.6	50.0	42.1	84.2	<1	75-125	<15	



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Data Qualifiers and Descriptors

Data Qualifier:

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MCL:	Maximum Contaminant Level
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Definition:

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%REC:	Percent recovery.
Con.L:	Acceptable Control Limits
Conce:	Added concentration to the sample.
LCS:	Laboratory Control Sample
MDL:	Method Detection Limit is a statistically derived number which is specific for each instrument, each method, and each compound. It indicates a distinctively detectable quantity with 99% probability.



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Data Qualifiers and Descriptors

MS:	Matrix Spike
MS DU:	Matrix Spike Duplicate
ND:	Analyte was not detected in the sample at or above MDL.
PQL:	Practical Quantitation Limit or ML (Minimum Level as per RWQCB) is the minimum concentration that can be quantified with more than 99% confidence. Taking into account all aspects of the entire analytical instrumentation and practice.
Recov:	Recovered concentration in the sample.
RPD:	Relative Percent Difference



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Ordered By

SCS Engineers
3900 Kilroy Airport Way Suite 100
Long Beach, CA 90806-6816

Number of Pages 8
Date Received 09/15/2014
Date Reported 09/17/2014

Telephone: (562)426-9544
Attention: Ashley Hutchens

Job Number	Order Date	Client
74388	09/15/2014	SCS

Project ID: 01210161.10
Project Name: Fmr Long Beach Public Service
Site: 1409 San Francisco Ave

Enclosed please find results of analyses of 11 soil samples which were analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By: 

Approved By: 

Cyrus Razmara, Ph.D.
Laboratory Director



American Environmental Testing Laboratory Inc.

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CHAIN OF CUSTODY RECORD

No 88777

Page 1 of 1

COMPANY SCS Engineers		PROJECT MANAGER Ashley Hutchens		AETL JOB No. 74388		Page 1 of 1	
COMPANY ADDRESS 3900 Kilroy Airport way		PHONE 562-426-9544		ANALYSIS REQUESTED		TEST INSTRUCTIONS & COMMENTS	
PROJECT NAME Long Beach Public Service Yard		FAX					
SITE NAME AND ADDRESS 1409 San Francisco Ave		PROJECT # 01210161.10		PO #			

SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.	Lead (60106)	Ti12 22 metals
1 DSP-05	74388.01	9/15/14	08:30	Soil	Jar	Ice	X	
2 S-20	74388.02		08:50				X	
3 S-21	74388.03		08:56				X	
4 S-22	74388.04		09:00				X	
5 S-23	74388.05		09:03				X	
6 S-24	74388.06		09:20				X	
7 S-25	74388.07		10:45				X	
8 S-26	74388.08		12:50				X	
9 S-27	74388.09		12:55				X	
10 S-28	74388.10		12:59				X	
11 S-29	74388.11	X	1:03PM	X	X	X	X	
12								
13								
14								
15								

SAMPLE RECEIPT - TO BE FILLED BY LABORATORY				RELINQUISHED BY: 1.		RELINQUISHED BY: 2.		RELINQUISHED BY: 3.	
TOTAL NUMBER OF CONTAINERS	11	PROPERLY COOLED	☒ Y / ☐ N / ☐ NA	Signature:	<i>[Signature]</i>	Signature:	<i>[Signature]</i>	Signature:	<i>[Signature]</i>
CUSTODY SEALS	☒ Y / ☐ N / ☐ NA	SAMPLES INTACT	☒ Y / ☐ N / ☐ NA	Printed Name:	<i>[Signature]</i>	Printed Name:	<i>[Signature]</i>	Printed Name:	<i>[Signature]</i>
RECEIVED IN GOOD COND.	☒ Y / ☐ N	SAMPLES ACCEPTED	☒ Y / ☐ N	Date:	9/15/14	Date:	9/15/14	Date:	9/15/14
TURN AROUND TIME		DATA DELIVERABLE REQUIRED		RECEIVED BY: 1.	RECEIVED BY: 2.	RECEIVED BY: 3.			
☐ NORMAL ☒ RUSH		☐ HARD COPY		Signature:	<i>[Signature]</i>	Signature:	<i>[Signature]</i>	Signature:	<i>[Signature]</i>
☐ SAME DAY		☒ PDF		Printed Name:	<i>[Signature]</i>	Printed Name:	<i>[Signature]</i>	Printed Name:	<i>[Signature]</i>
☒ 2 DAYS		☐ GEOTRACKER (GLOBAL ID)		Date:	9/15/14	Date:	9/15/14	Date:	9/15/14
☐ 3 DAYS		☐ OTHER (PLEASE SPECIFY)		Time:	1400	Time:	1535	Time:	1535

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator



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Ordered By

SCS Engineers
3900 Kilroy Airport Way Suite 100
Long Beach, CA 90806-6816

Project ID: 01210161.10
Date Received 09/15/2014
Date Reported 09/17/2014

Telephone: (562)426-9544
Attention: Ashley Hutchens

Job Number	Order Date	Client
74388	09/15/2014	SCS

CERTIFICATE OF ANALYSIS CASE NARRATIVE

AETL received 11 samples with the following specification on 09/15/2014.

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers		
74388.01	DSP-05	09/15/2014	Soil	1		
74388.02	S-20	09/15/2014	Soil	1		
74388.04	S-22	09/15/2014	Soil	1		
74388.05	S-23	09/15/2014	Soil	1		
74388.06	S-24	09/15/2014	Soil	1		
74388.07	S-25	09/15/2014	Soil	1		
74388.08	S-26	09/15/2014	Soil	1		
74388.09	S-27	09/15/2014	Soil	1		
74388.10	S-28	09/15/2014	Soil	1		
74388.11	S-29	09/15/2014	Soil	1		
	Method ^ Submethod		Req Date	Priority	TAT	Units
	(6010B.LEAD)		09/17/2014	3	Rush	mg/Kg
	74388.03	S-21	09/15/2014	Soil		1
	Method ^ Submethod		Req Date	Priority	TAT	Units
	(6010B/7000CAM)		09/17/2014	3	Rush	mg/Kg

The samples were analyzed as specified on the enclosed chain of custody. Analytical non-conformances have been noted on the report.

Checked By: 

Approved By: 

Cyrus Razmara, Ph.D.
Laboratory Director



American Environmental Testing Laboratory Inc.

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ANALYTICAL RESULTS

Ordered By

Site

SCS Engineers
3900 Kilroy Airport Way
Suite 100
Long Beach, CA 90806-6816

1409 San Francisco Ave

Telephone: (562)426-9544

Attn: Ashley Hutchens

Page: **2**

Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74388	09/15/2014	SCS

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 0916142C2

Our Lab I.D.		Method Blank	74388.01	74388.02	74388.04	74388.05
Client Sample I.D.			DSP-05	S-20	S-22	S-23
Date Sampled			09/15/2014	09/15/2014	09/15/2014	09/15/2014
Date Prepared		09/16/2014	09/16/2014	09/16/2014	09/16/2014	09/16/2014
Preparation Method		3050B	3050B	3050B	3050B	3050B
Date Analyzed		09/17/2014	09/17/2014	09/17/2014	09/17/2014	09/17/2014
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results
Lead	2.5	5.0	ND	1,150	19.9	24.4



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ANALYTICAL RESULTS

Ordered By

Site

SCS Engineers
3900 Kilroy Airport Way
Suite 100
Long Beach, CA 90806-6816

1409 San Francisco Ave

Telephone: (562)426-9544

Attn: Ashley Hutchens

Page: **3**

Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74388	09/15/2014	SCS

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 0916142C2

Our Lab I.D.		74388.06	74388.07	74388.08	74388.09	74388.10
Client Sample I.D.		S-24	S-25	S-26	S-27	S-28
Date Sampled		09/15/2014	09/15/2014	09/15/2014	09/15/2014	09/15/2014
Date Prepared		09/16/2014	09/16/2014	09/16/2014	09/16/2014	09/16/2014
Preparation Method		3050B	3050B	3050B	3050B	3050B
Date Analyzed		09/17/2014	09/17/2014	09/17/2014	09/17/2014	09/17/2014
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results
Lead	2.5	5.0	13.7	11.3	10.2	7.23



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ANALYTICAL RESULTS

Ordered By

SCS Engineers
3900 Kilroy Airport Way
Suite 100
Long Beach, CA 90806-6816

Site

1409 San Francisco Ave

Telephone: (562)426-9544

Attn: Ashley Hutchens

Page: **4**

Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74388	09/15/2014	SCS

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 0916142C2

Our Lab I.D.		74388.11				
Client Sample I.D.		S-29				
Date Sampled		09/15/2014				
Date Prepared		09/16/2014				
Preparation Method		3050B				
Date Analyzed		09/17/2014				
Matrix		Soil				
Units		mg/Kg				
Dilution Factor		1				
Analytes	MDL	PQL	Results			
Lead	2.5	5.0	4.99J			



American Environmental Testing Laboratory Inc.

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ANALYTICAL RESULTS

Ordered By

Site

SCS Engineers
3900 Kilroy Airport Way
Suite 100
Long Beach, CA 90806-6816

1409 San Francisco Ave

Telephone: (562)426-9544

Attn: Ashley Hutchens

Page: **5**

Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74388	09/15/2014	SCS

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0916142C2

Our Lab I.D.			Method Blank	74388.03			
Client Sample I.D.				S-21			
Date Sampled				09/15/2014			
Date Prepared			09/16/2014	09/16/2014			
Preparation Method			3050B	3050B			
Date Analyzed			09/17/2014	09/17/2014			
Matrix			Soil	Soil			
Units			mg/Kg	mg/Kg			
Dilution Factor			1	1			
Analytes	MDL	PQL	Results	Results			
Antimony	1.0	5.0	ND	ND			
Arsenic	1.0	5.0	ND	ND			
Barium	2.5	5.0	ND	86.6			
Beryllium	1.3	2.5	ND	ND			
Cadmium	1.3	2.5	ND	ND			
Chromium	2.5	5.0	ND	15.4			
Cobalt	2.5	5.0	ND	7.39			
Copper	2.5	5.0	ND	18.1			
Lead	2.5	5.0	ND	38.8			
Mercury (By EPA 7471)	0.1	0.2	ND	ND			
Molybdenum	2.5	5.0	ND	ND			
Nickel	2.5	5.0	ND	16.5			
Selenium	1.0	5.0	ND	ND			
Silver	2.5	5.0	ND	ND			
Thallium	1.0	5.0	ND	ND			
Vanadium	2.5	5.0	ND	31.1			
Zinc	2.5	5.0	ND	80.2			



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1409 San Francisco Ave

Telephone: (562)426-9544

Attn: Ashley Hutchens

Page: 6

Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74388	09/15/2014	SCS

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 0916142C2; Dup or Spiked Sample: 74389.05; LCS: Clean Sand; QC Prepared: 09/16/2014; QC Analyzed: 09/17/2014;
Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Lead	4.87	50.0	44.9	80.1	50.0	43.2	76.7	4.34	75-125	<15

QC Batch No: 0916142C2; Dup or Spiked Sample: 74389.05; LCS: Clean Sand; QC Prepared: 09/16/2014; QC Analyzed: 09/17/2014;
Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Lead	50.0	48.4	96.8	50.0	47.5	95.0	1.88	75-125	<15	



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Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74388	09/15/2014	SCS

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0916142C2; Dup or Spiked Sample: 74389.05; LCS: Clean Sand; QC Prepared: 09/16/2014; QC Analyzed: 09/17/2014;
Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Antimony	0.00	50.0	45.3	90.6	50.0	42.4	84.8	6.61	75-125	<15
Arsenic	0.00	50.0	41.0	82.0	50.0	37.9	75.8	7.86	75-125	<15
Barium	89.2	50.0	184 #	190	50.0	177 #	176	7.65	75-125	<15
Beryllium	0.00	50.0	41.2	82.4	50.0	39.3	78.6	4.72	75-125	<15
Cadmium	0.00	50.0	43.9	87.8	50.0	41.8	83.6	4.90	75-125	<15
Chromium	50.3	50.0	91.2	81.8	50.0	87.8	75.0	8.67	75-125	<15
Cobalt	10.7	50.0	56.0	90.6	50.0	53.0	84.6	6.85	75-125	<15
Copper	12.4	50.0	71.8	119	50.0	69.4	114	4.29	75-125	<15
Lead	4.87	50.0	44.9	80.1	50.0	43.2	76.7	4.34	75-125	<15
Mercury (By EPA 7471)	0.00	0.500	0.530	106	0.500	0.540	108	1.9	75-125	<15
Molybdenum	0.00	50.0	43.3	86.6	50.0	41.2	82.4	4.97	75-125	<15
Nickel	15.7	50.0	60.6	89.8	50.0	57.3	83.2	7.63	75-125	<15
Selenium	0.00	50.0	45.2	90.4	50.0	41.7	83.4	8.06	75-125	<15
Silver	0.00	50.0	41.8	83.6	50.0	40.1	80.2	4.15	75-125	<15
Thallium	0.00	50.0	16.4 #	32.8	50.0	15.2 #	30.4	7.59	75-125	<15
Vanadium	66.4	50.0	126	119	50.0	122	111	6.96	75-125	<15
Zinc	44.7	50.0	98.5	108	50.0	94.2	99.0	8.70	75-125	<15

QC Batch No: 0916142C2; Dup or Spiked Sample: 74389.05; LCS: Clean Sand; QC Prepared: 09/16/2014; QC Analyzed: 09/17/2014;
Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Antimony	50.0	47.1	94.2	50.0	46.0	92.0	2.36	75-125	<15	
Arsenic	50.0	44.7	89.4	50.0	45.0	90.0	<1	75-125	<15	
Barium	50.0	47.0	94.0	50.0	46.6	93.2	<1	75-125	<15	
Beryllium	50.0	49.4	98.8	50.0	49.9	99.8	1.01	75-125	<15	
Cadmium	50.0	46.5	93.0	50.0	44.9	89.8	3.50	75-125	<15	
Chromium	50.0	47.1	94.2	50.0	46.5	93.0	1.28	75-125	<15	
Cobalt	50.0	44.5	89.0	50.0	44.3	88.6	<1	75-125	<15	
Copper	50.0	52.3	105	50.0	52.4	105	<1	75-125	<15	



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Project ID: 01210161.10
Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74388	09/15/2014	SCS

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0916142C2; Dup or Spiked Sample: 74389.05; LCS: Clean Sand; QC Prepared: 09/16/2014; QC Analyzed: 09/17/2014;
Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Lead	50.0	48.4	96.8	50.0	47.5	95.0	1.88	75-125	<15	
Mercury (By EPA 7471)	0.500	0.510	102	0.500	0.505	101	<1	75-125	<15	
Molybdenum	50.0	47.8	95.6	50.0	47.8	95.6	<1	75-125	<15	
Nickel	50.0	44.0	88.0	50.0	43.3	86.6	1.60	75-125	<15	
Selenium	50.0	43.1	86.2	50.0	42.4	84.8	1.64	75-125	<15	
Silver	50.0	45.8	91.6	50.0	45.3	90.6	1.10	75-125	<15	
Thallium	50.0	58.1	116	50.0	53.1	106	9.01	75-125	<15	
Vanadium	50.0	48.3	96.6	50.0	47.8	95.6	1.04	75-125	<15	
Zinc	50.0	47.4	94.8	50.0	46.7	93.4	1.49	75-125	<15	



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Data Qualifiers and Descriptors

Data Qualifier:

#:	Recovery is not within acceptable control limits.
*:	In the QC section, sample results have been taken directly from the ICP reading. No preparation factor has been applied.
B:	Analyte was present in the Method Blank.
D:	Result is from a diluted analysis.
E:	Result is beyond calibration limits and is estimated.
H:	Analysis was performed over the allowed holding time due to circumstances which were beyond laboratory control.
J:	Analyte was detected. However, the analyte concentration is an estimated value, which is between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).
M:	Matrix spike recovery is outside control limits due to matrix interference. Laboratory Control Sample recovery was acceptable.
MCL:	Maximum Contaminant Level
NS:	No Standard Available
S6:	Surrogate recovery is outside control limits due to matrix interference.
S8:	The analysis of the sample required a dilution such that the surrogate concentration was diluted below the method acceptance criteria.
X:	Results represent LCS and LCSD data.

Definition:

%Limit:	Percent acceptable limits.
%REC:	Percent recovery.
Con.L:	Acceptable Control Limits
Conce:	Added concentration to the sample.
LCS:	Laboratory Control Sample
MDL:	Method Detection Limit is a statistically derived number which is specific for each instrument, each method, and each compound. It indicates a distinctively detectable quantity with 99% probability.



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Data Qualifiers and Descriptors

MS:	Matrix Spike
MS DU:	Matrix Spike Duplicate
ND:	Analyte was not detected in the sample at or above MDL.
PQL:	Practical Quantitation Limit or ML (Minimum Level as per RWQCB) is the minimum concentration that can be quantified with more than 99% confidence. Taking into account all aspects of the entire analytical instrumentation and practice.
Recov:	Recovered concentration in the sample.
RPD:	Relative Percent Difference



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Number of Pages 7
Date Received 09/19/2014
Date Reported 09/23/2014

Telephone: (562)426-9544
Attention: Ashley Hutchens

Job Number	Order Date	Client
74466	09/19/2014	SCS

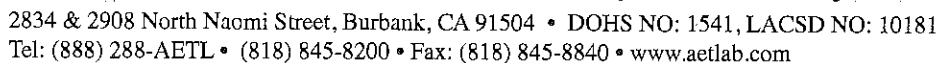
Project ID: 01210161.10
Project Name: Fmr Long Beach Public Service
Site: 1409 San Francisco Ave

Enclosed please find results of analyses of 6 soil samples which were analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By: 

Approved By: 

Cyrus Razmara, Ph.D.
Laboratory Director



No 88778

Page 1 of 1

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Page: 1 A

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Project ID: 01210161.10
Date Received 09/19/2014
Date Reported 09/23/2014

Telephone: (562)426-9544
Attention: Ashley Hutchens

Job Number	Order Date	Client
74466	09/19/2014	SCS

CERTIFICATE OF ANALYSIS CASE NARRATIVE

AETL received 6 samples with the following specification on 09/19/2014.

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers		
74466.01	S-30	09/18/2014	Soil	1		
74466.03	S-32	09/19/2014	Soil	1		
74466.04	S-33	09/19/2014	Soil	1		
74466.05	S-34	09/19/2014	Soil	1		
74466.06	S-35	09/19/2014	Soil	1		
	Method ^ Submethod		Req Date	Priority	TAT	Units
	(6010B.LEAD)		09/26/2014	2	Normal	mg/Kg
74466.02	S-31	09/19/2014	Soil	1		
	Method ^ Submethod		Req Date	Priority	TAT	Units
	(6010B/7000CAM)		09/26/2014	2	Normal	mg/Kg

The samples were analyzed as specified on the enclosed chain of custody. Analytical non-conformances have been noted on the report.

Unless otherwise noted, all results of soil and solid samples are based on wet weight.

Checked By: 

Approved By: 

Cyrus Razmara, Ph.D.
Laboratory Director



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ANALYTICAL RESULTS

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Attn: Ashley Hutchens

Page: **2**

Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74466	09/19/2014	SCS

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 0922141C1

Our Lab I.D.		Method Blank	74466.01	74466.03	74466.04	74466.05
Client Sample I.D.			S-30	S-32	S-33	S-34
Date Sampled			09/18/2014	09/19/2014	09/19/2014	09/19/2014
Date Prepared		09/22/2014	09/22/2014	09/22/2014	09/22/2014	09/22/2014
Preparation Method		3050B	3050B	3050B	3050B	3050B
Date Analyzed		09/22/2014	09/22/2014	09/22/2014	09/22/2014	09/22/2014
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results
Lead	2.5	5.0	ND	11.3	8.21	3.71J

7.26



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Page: **3**

Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74466	09/19/2014	SCS

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 0922141C1

Our Lab I.D.		74466.06				
Client Sample I.D.		S-35				
Date Sampled		09/19/2014				
Date Prepared		09/22/2014				
Preparation Method		3050B				
Date Analyzed		09/22/2014				
Matrix		Soil				
Units		mg/Kg				
Dilution Factor		1				
Analytes		MDL	PQL	Results		
Lead		2.5	5.0	6.81		



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Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74466	09/19/2014	SCS

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0922141C1

Our Lab I.D.			Method Blank	74466.02			
Client Sample I.D.				S-31			
Date Sampled				09/19/2014			
Date Prepared			09/22/2014	09/22/2014			
Preparation Method			3050B	3050B			
Date Analyzed			09/22/2014	09/22/2014			
Matrix			Soil	Soil			
Units			mg/Kg	mg/Kg			
Dilution Factor			1	1			
Analytes	MDL	PQL	Results	Results			
Antimony	1.0	5.0	ND	ND			
Arsenic	1.0	5.0	ND	6.09			
Barium	2.5	5.0	ND	180			
Beryllium	1.3	2.5	ND	ND			
Cadmium	1.3	2.5	ND	ND			
Chromium	2.5	5.0	ND	ND			
Cobalt	2.5	5.0	ND	10.0			
Copper	2.5	5.0	ND	25.1			
Lead	2.5	5.0	ND	7.33			
Mercury (By EPA 7471)	0.1	0.2	ND	ND			
Molybdenum	2.5	5.0	ND	ND			
Nickel	2.5	5.0	ND	17.2			
Selenium	1.0	5.0	ND	ND			
Silver	2.5	5.0	ND	ND			
Thallium	1.0	5.0	ND	ND			
Vanadium	2.5	5.0	ND	45.9			
Zinc	2.5	5.0	ND	83.2			



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Attn: Ashley Hutchens

Page: **5**

Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74466	09/19/2014	SCS

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 0922141C1; Dup or Spiked Sample: 74462.01; LCS: Clean Sand; QC Prepared: 09/22/2014; QC Analyzed: 09/22/2014;
Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Lead	136	50.0	184	96.0	50.0	185	98.0	2.06	75-125	<15

QC Batch No: 0922141C1; Dup or Spiked Sample: 74462.01; LCS: Clean Sand; QC Prepared: 09/22/2014; QC Analyzed: 09/22/2014;
Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Lead	1.00	0.990	98.6	1.00	0.990	99.3	<1	75-125	<15	



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Page: 6

Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74466	09/19/2014	SCS

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0922141C1; Dup or Spiked Sample: 74462.01; LCS: Clean Sand; QC Prepared: 09/22/2014; QC Analyzed: 09/22/2014;
Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Antimony	0.00	10.0	10.1	101	10.0	10.3	103	1.96	75-125	<15
Arsenic	5.34	10.0	13.3	79.6	10.0	13.6	82.6	3.70	75-125	<15
Barium	175	10.0	224 #	490	10.0	219 #	440	10.8	75-125	<15
Beryllium	0.00	10.0	9.79	97.9	10.0	10.0	100	2.12	75-125	<15
Cadmium	0.00	10.0	9.95	99.5	10.0	10.2	102	2.48	75-125	<15
Chromium	18.7	10.0	25.4 #	67.0	10.0	26.3	76.0	12.6	75-125	<15
Cobalt	8.26	10.0	15.3 #	70.4	10.0	15.4 #	71.4	1.41	75-125	<15
Copper	38.2	10.0	39.5 #	13.0	10.0	39.9 #	17.0	26.7	75-125	<15
Lead	136	50.0	184	96.0	50.0	185	98.0	2.06	75-125	<15
Mercury (By EPA 7471)	0.00	0.500	0.540	108	0.500	0.555	111	2.7	75-125	<15
Molybdenum	0.860	10.0	9.67	88.1	10.0	9.96	91.0	3.24	75-125	<15
Nickel	14.5	10.0	20.2 #	57.0	10.0	20.8 #	63.0	10.0	75-125	<15
Selenium	0.00	10.0	7.88	78.8	10.0	8.35	83.5	5.79	75-125	<15
Silver	0.00	10.0	9.24	92.4	10.0	9.55	95.5	3.30	75-125	<15
Thallium	0.00	10.0	7.98	79.8	10.0	8.00	80.0	<1	75-125	<15
Vanadium	33.8	10.0	51.3 #	175	10.0	52.0 #	182	3.92	75-125	<15
Zinc	205	10.0	181 #	-240.0	10.0	185 #	-200.0	18.2	75-125	<15

QC Batch No: 0922141C1; Dup or Spiked Sample: 74462.01; LCS: Clean Sand; QC Prepared: 09/22/2014; QC Analyzed: 09/22/2014;
Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Antimony	1.00	0.980	97.6	1.00	0.970	96.6	1.03	75-125	<15	
Arsenic	1.00	0.970	97.4	1.00	0.980	97.9	<1	75-125	<15	
Barium	1.00	0.970	96.8	1.00	1.00	100	3.25	75-125	<15	
Beryllium	1.00	0.970	96.7	1.00	1.02	102	5.33	75-125	<15	
Cadmium	1.00	0.980	98.3	1.00	0.970	97.1	1.23	75-125	<15	
Chromium	1.00	0.990	98.5	1.00	1.03	103	4.47	75-125	<15	
Cobalt	1.00	1.00	99.6	1.00	1.00	100	<1	75-125	<15	
Copper	1.00	0.980	98.0	1.00	0.980	98.1	<1	75-125	<15	



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QUALITY CONTROL RESULTS

Page: 7

Project ID: 01210161.10
Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74466	09/19/2014	SCS

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0922141C1; Dup or Spiked Sample: 74462.01; LCS: Clean Sand; QC Prepared: 09/22/2014; QC Analyzed: 09/22/2014;
Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Lead	1.00	0.990	98.6	1.00	0.990	99.3	<1	75-125	<15	
Mercury (By EPA 7471)	0.500	0.515	103	0.500	0.530	106	2.9	75-125	<15	
Molybdenum	1.00	0.930	93.3	1.00	0.930	93.4	<1	75-125	<15	
Nickel	1.00	0.970	96.8	1.00	0.980	97.7	<1	75-125	<15	
Selenium	1.00	0.920	92.4	1.00	0.960	95.7	3.51	75-125	<15	
Silver	1.00	0.990	99.1	1.00	0.970	97.3	1.83	75-125	<15	
Thallium	1.00	0.800	79.5	1.00	0.810	80.7	1.50	75-125	<15	
Vanadium	1.00	0.970	97.4	1.00	1.00	100	2.63	75-125	<15	
Zinc	1.00	0.970	97.2	1.00	0.970	96.5	<1	75-125	<15	



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Data Qualifiers and Descriptors

Data Qualifier:

#:	Recovery is not within acceptable control limits.
*:	In the QC section, sample results have been taken directly from the ICP reading. No preparation factor has been applied.
B:	Analyte was present in the Method Blank.
D:	Result is from a diluted analysis.
E:	Result is beyond calibration limits and is estimated.
H:	Analysis was performed over the allowed holding time due to circumstances which were beyond laboratory control.
J:	Analyte was detected. However, the analyte concentration is an estimated value, which is between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).
M:	Matrix spike recovery is outside control limits due to matrix interference. Laboratory Control Sample recovery was acceptable.
MCL:	Maximum Contaminant Level
NS:	No Standard Available
S6:	Surrogate recovery is outside control limits due to matrix interference.
S8:	The analysis of the sample required a dilution such that the surrogate concentration was diluted below the method acceptance criteria.
X:	Results represent LCS and LCSD data.

Definition:

%Limit:	Percent acceptable limits.
%REC:	Percent recovery.
Con.L:	Acceptable Control Limits
Conce:	Added concentration to the sample.
LCS:	Laboratory Control Sample
MDL:	Method Detection Limit is a statistically derived number which is specific for each instrument, each method, and each compound. It indicates a distinctively detectable quantity with 99% probability.



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Data Qualifiers and Descriptors

MS:	Matrix Spike
MS DU:	Matrix Spike Duplicate
ND:	Analyte was not detected in the sample at or above MDL.
PQL:	Practical Quantitation Limit or ML (Minimum Level as per RWQCB) is the minimum concentration that can be quantified with more than 99% confidence. Taking into account all aspects of the entire analytical instrumentation and practice.
Recov:	Recovered concentration in the sample.
RPD:	Relative Percent Difference



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Ordered By

SCS Engineers
3900 Kilroy Airport Way Suite 100
Long Beach, CA 90806-6816

Number of Pages 3
Date Received 09/23/2014
Date Reported 09/25/2014

Telephone: (562)426-9544
Attention: Ashley Hutchens

Job Number	Order Date	Client
74487	09/23/2014	SCS

Project ID: 01210161.10
Project Name: Long Beach Public Service Yard
Site: 1409 San Francisco Ave

Enclosed please find results of analyses of 6 soil samples which were analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By: _____

Approved By: _____

Cyrus Razmara, Ph.D.
Laboratory Director



American Environmental Testing Laboratory Inc.

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CHAIN OF CUSTODY RECORD

No 88801

COMPANY SES Engineers				PROJECT MANAGER Ashley Hutchens				AETL JOB No. 74487				Page 1 of 1			
COMPANY ADDRESS 3900 Kilroy Airport Way				PHONE 562-426-9544				ANALYSIS REQUESTED				TEST INSTRUCTIONS & COMMENTS			
PROJECT NAME Long Beach Public Service Yard				FAX											
SITE NAME AND ADDRESS 1409 San Francisco Ave				PROJECT # 01210161.10											
				PO #											

SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.											
1 S-36	74487.01	9/23/14	12:10	Soil	Jar	Ice	X										
2 S-37	74487.02		12:19				X										
3 S-38	74487.03		12:23				X										
4 S-39	74487.04		12:27				X										
5 S-40	74487.05		12:30				X										
6 S-41	74487.06	X	12:35	X	X	X	X										
7																	
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	

SAMPLE RECEIPT - TO BE FILLED BY LABORATORY				RELINQUISHED BY: 1.		RELINQUISHED BY: 2.		RELINQUISHED BY: 3.	
TOTAL NUMBER OF CONTAINERS		PROPERLY COOLED Y/N/NA		Signature: <i>[Signature]</i>		Signature: <i>[Signature]</i>		Signature: <i>[Signature]</i>	
CUSTODY SEALS Y/N/NA		SAMPLES INTACT Y/N/NA		Printed Name: <i>[Signature]</i>		Printed Name: <i>[Signature]</i>		Printed Name: <i>[Signature]</i>	
RECEIVED IN GOOD COND. Y/N		SAMPLES ACCEPTED Y/N		Date: <i>9/23/14</i> Time: <i>1420</i>		Date: Time:		Date: <i>9/23/14</i> Time: <i>1547</i>	
TURN AROUND TIME		DATA DELIVERABLE REQUIRED		RECEIVED BY: 1.		RECEIVED BY: 2.		RECEIVED BY: 3.	
☐ NORMAL ☒ RUSH ☐ SAME DAY ☐ NEXT DAY ☒ 2 DAYS ☐ 3 DAYS		☐ HARD COPY ☒ PDF ☐ GEOTRACKER (GLOBAL ID) ☐ OTHER (PLEASE SPECIFY)		Signature: <i>[Signature]</i>		Signature: <i>[Signature]</i>		Signature: <i>[Signature]</i>	
				Printed Name: <i>[Signature]</i>		Printed Name: <i>[Signature]</i>		Printed Name: <i>[Signature]</i>	
				Date: <i>9/23/14</i> Time: <i>1420</i>		Date: Time:		Date: <i>9/23/14</i> Time: <i>1547</i>	

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator



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SCS Engineers
3900 Kilroy Airport Way Suite 100
Long Beach, CA 90806-6816

Project ID: 01210161.10
Date Received 09/23/2014
Date Reported 09/25/2014

Telephone: (562)426-9544
Attention: Ashley Hutchens

Job Number	Order Date	Client
74487	09/23/2014	SCS

CERTIFICATE OF ANALYSIS CASE NARRATIVE

AETL received 6 samples with the following specification on 09/23/2014.

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers
74487.01	S-36	09/23/2014	Soil	1
74487.02	S-37	09/23/2014	Soil	1
74487.03	S-38	09/23/2014	Soil	1
74487.04	S-39	09/23/2014	Soil	1
74487.05	S-40	09/23/2014	Soil	1
74487.06	S-41	09/23/2014	Soil	1

Method ^ Submethod	Req Date	Priority	TAT	Units
(6010B.LEAD)	09/25/2014	3	Rush	mg/Kg

The samples were analyzed as specified on the enclosed chain of custody. Analytical non-conformances have been noted on the report.

Unless otherwise noted, all results of soil and solid samples are based on wet weight.

Checked By: 

Approved By: 

Cyrus Razmara, Ph.D.
Laboratory Director



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ANALYTICAL RESULTS

Ordered By

Site

SCS Engineers
3900 Kilroy Airport Way
Suite 100
Long Beach, CA 90806-6816

1409 San Francisco Ave

Telephone: (562)426-9544

Attn: Ashley Hutchens

Page: 2

Project ID: 01210161.10

Project Name: Long Beach Public Service Yard

AETL Job Number	Submitted	Client
74487	09/23/2014	SCS

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 0925141C1

Our Lab I.D.			Method Blank	74487.01	74487.02	74487.03	74487.04
Client Sample I.D.				S-36	S-37	S-38	S-39
Date Sampled				09/23/2014	09/23/2014	09/23/2014	09/23/2014
Date Prepared			09/25/2014	09/25/2014	09/25/2014	09/25/2014	09/25/2014
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			09/25/2014	09/25/2014	09/25/2014	09/25/2014	09/25/2014
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Lead	2.5	5.0	ND	2.66J	4.82J	3.35J	26.9

QUALITY CONTROL REPORT

QC Batch No: 0925141C1; Dup or Spiked Sample: 74502.01; LCS: Clean Sand; QC Prepared: 09/25/2014; QC Analyzed: 09/25/2014;
Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Lead	181	10.0	213 #	320	10.0	272 #	910	95.9	75-125	<15

QC Batch No: 0925141C1; Dup or Spiked Sample: 74502.01; LCS: Clean Sand; QC Prepared: 09/25/2014; QC Analyzed: 09/25/2014;
Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit
Lead	1.00	0.949	94.9	1.00	0.919	91.9	3.2	75-125	<15



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ANALYTICAL RESULTS

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Suite 100
Long Beach, CA 90806-6816

Site

1409 San Francisco Ave

Telephone: (562)426-9544

Attn: Ashley Hutchens

Page: **3**

Project ID: 01210161.10

Project Name: Long Beach Public Service Yard

AETL Job Number	Submitted	Client
74487	09/23/2014	SCS

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 0925141C1

Our Lab I.D.		74487.05	74487.06			
Client Sample I.D.		S-40	S-41			
Date Sampled		09/23/2014	09/23/2014			
Date Prepared		09/25/2014	09/25/2014			
Preparation Method		3050B	3050B			
Date Analyzed		09/25/2014	09/25/2014			
Matrix		Soil	Soil			
Units		mg/Kg	mg/Kg			
Dilution Factor		1	1			
Analytes	MDL	PQL	Results	Results		
Lead	2.5	5.0	5.05	3.49J		

QUALITY CONTROL REPORT

QC Batch No: 0925141C1; Dup or Spiked Sample: 74502.01; LCS: Clean Sand; QC Prepared: 09/25/2014; QC Analyzed: 09/25/2014;
Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Lead	181	10.0	213 #	320	10.0	272 #	910	95.9	75-125	<15

QC Batch No: 0925141C1; Dup or Spiked Sample: 74502.01; LCS: Clean Sand; QC Prepared: 09/25/2014; QC Analyzed: 09/25/2014;
Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Lead	1.00	0.949	94.9	1.00	0.919	91.9	3.2	75-125	<15	



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Data Qualifiers and Descriptors

Data Qualifier:

#:	Recovery is not within acceptable control limits.
*:	In the QC section, sample results have been taken directly from the ICP reading. No preparation factor has been applied.
B:	Analyte was present in the Method Blank.
D:	Result is from a diluted analysis.
E:	Result is beyond calibration limits and is estimated.
H:	Analysis was performed over the allowed holding time due to circumstances which were beyond laboratory control.
J:	Analyte was detected. However, the analyte concentration is an estimated value, which is between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).
M:	Matrix spike recovery is outside control limits due to matrix interference. Laboratory Control Sample recovery was acceptable.
MCL:	Maximum Contaminant Level
NS:	No Standard Available
S6:	Surrogate recovery is outside control limits due to matrix interference.
S8:	The analysis of the sample required a dilution such that the surrogate concentration was diluted below the method acceptance criteria.
X:	Results represent LCS and LCSD data.

Definition:

%Limi:	Percent acceptable limits.
%REC:	Percent recovery.
Con.L:	Acceptable Control Limits
Conce:	Added concentration to the sample.
LCS:	Laboratory Control Sample
MDL:	Method Detection Limit is a statistically derived number which is specific for each instrument, each method, and each compound. It indicates a distinctively detectable quantity with 99% probability.



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Data Qualifiers and Descriptors

MS:	Matrix Spike
MS DU:	Matrix Spike Duplicate
ND:	Analyte was not detected in the sample at or above MDL.
PQL:	Practical Quantitation Limit or ML (Minimum Level as per RWQCB) is the minimum concentration that can be quantified with more than 99% confidence. Taking into account all aspects of the entire analytical instrumentation and practice.
Recov:	Recovered concentration in the sample.
RPD:	Relative Percent Difference



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Ordered By

SCS Engineers
3900 Kilroy Airport Way Suite 100
Long Beach, CA 90806-6816

Number of Pages 2
Date Received 09/24/2014
Date Reported 09/25/2014

Telephone: (562)426-9544
Attention: Ashley Hutchens

Job Number	Order Date	Client
74503	09/24/2014	SCS

Project ID: 01210161.10
Project Name: Fmr Long Beach Public Service
Site: 1409 San Francisco Ave

Enclosed please find results of analyses of 4 soil samples which were analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By: _____

Approved By: _____

Cyrus Razmara, Ph.D.
Laboratory Director



American Environmental Testing Laboratory Inc.

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CHAIN OF CUSTODY RECORD

Nº 88802

Page 1 of 1

COMPANY SCS Engineers				PROJECT MANAGER Ashley Hutchens				AETL JOB No. 74503				Page 1 of 1			
COMPANY ADDRESS 3900 Kilroy Airport Way				PHONE 562-426-9544				ANALYSIS REQUESTED				TEST INSTRUCTIONS & COMMENTS			
PROJECT NAME Long Beach Public Service Parcel				FAX											
SITE NAME AND ADDRESS 1409 San Francisco Ave				PROJECT # 01210161.10				Lead (6000)							
PO #															

SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.											
1 S-42	77503.01	9/24/14	12:50	Soil	Jar	Ice	X										
2 S-43	77503.02		12:57				X										
3 S-44	77503.03		1:00				X										
4 S-45	77503.04	X	1:05	X	X	X	X										
5																	
6																	
7																	
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	

SAMPLE RECEIPT - TO BE FILLED BY LABORATORY				RELINQUISHED BY: 1. SAMPLER		RELINQUISHED BY: 2.		RELINQUISHED BY: 3.	
TOTAL NUMBER OF CONTAINERS	PROPERLY COOLED Y/N/NA			Signature: <i>[Signature]</i>	Signature:			Signature: <i>[Signature]</i>	
CUSTODY SEALS Y/N/NA	SAMPLES INTACT Y/N/NA			Printed Name: <i>Josh Bartuside</i>	Printed Name:			Printed Name: <i>Gary P</i>	
RECEIVED IN GOOD COND. Y/N	SAMPLES ACCEPTED Y/N			Date: <i>9/24/14</i> Time: <i>1410</i>	Date:	Time:		Date: <i>9/24/14</i> Time: <i>1545</i>	
TURN AROUND TIME		DATA DELIVERABLE REQUIRED		RECEIVED BY: 1.		RECEIVED BY: 2.		RECEIVED BY: 3. LABORATORY	
☐ NORMAL	☒ RUSH	☐ SAME DAY	☐ HARD COPY	Signature: <i>[Signature]</i>	Signature:			Signature: <i>[Signature]</i>	
☐ NEXT DAY	☐ 2 DAYS	☐ 3 DAYS	☒ PDF	Printed Name: <i>Josh Bartuside</i>	Printed Name:			Printed Name: <i>Stan Claude</i>	
			☐ GEOTRACKER (GLOBAL ID)	Date: <i>9/24/14</i> Time: <i>1410</i>	Date:	Time:		Date: <i>09/24/14</i> Time: <i>1545</i>	
			☐ OTHER (PLEASE SPECIFY)						

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator



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Ordered By

SCS Engineers
3900 Kilroy Airport Way Suite 100
Long Beach, CA 90806-6816

Project ID: 01210161.10
Date Received 09/24/2014
Date Reported 09/25/2014

Telephone: (562)426-9544
Attention: Ashley Hutchens

Job Number	Order Date	Client
74503	09/24/2014	SCS

CERTIFICATE OF ANALYSIS CASE NARRATIVE

AETL received 4 samples with the following specification on 09/24/2014.

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers
74503.01	S-42	09/24/2014	Soil	1
74503.02	S-43	09/24/2014	Soil	1
74503.03	S-44	09/24/2014	Soil	1
74503.04	S-45	09/24/2014	Soil	1

Method ^ Submethod	Req Date	Priority	TAT	Units
(6010B.LEAD)	09/26/2014	3	Rush	mg/Kg

The samples were analyzed as specified on the enclosed chain of custody. Analytical non-conformances have been noted on the report.

Unless otherwise noted, all results of soil and solid samples are based on wet weight.

Checked By: 

Approved By: 

Cyrus Razmara, Ph.D.
Laboratory Director



American Environmental Testing Laboratory Inc.

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ANALYTICAL RESULTS

Ordered By

Site

SCS Engineers
3900 Kilroy Airport Way
Suite 100
Long Beach, CA 90806-6816

1409 San Francisco Ave

Telephone: (562)426-9544

Attn: Ashley Hutchens

Page: 2

Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74503	09/24/2014	SCS

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 0925141C1

Our Lab I.D.			Method Blank	74503.01	74503.02	74503.03	74503.04
Client Sample I.D.				S-42	S-43	S-44	S-45
Date Sampled				09/24/2014	09/24/2014	09/24/2014	09/24/2014
Date Prepared			09/25/2014	09/25/2014	09/25/2014	09/25/2014	09/25/2014
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			09/25/2014	09/25/2014	09/25/2014	09/25/2014	09/25/2014
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Lead	2.5	5.0	ND	6.38	3.66J	3.82J	9.54

QUALITY CONTROL REPORT

QC Batch No: 0925141C1; Dup or Spiked Sample: 74502.01; LCS: Clean Sand; QC Prepared: 09/25/2014; QC Analyzed: 09/25/2014;
Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Lead	181	10.0	213 #	320	10.0	272 #	910	95.9	75-125	<15

QC Batch No: 0925141C1; Dup or Spiked Sample: 74502.01; LCS: Clean Sand; QC Prepared: 09/25/2014; QC Analyzed: 09/25/2014;
Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit
Lead	1.00	0.949	94.9	1.00	0.919	91.9	3.2	75-125	<15



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Data Qualifiers and Descriptors

Data Qualifier:

#:	Recovery is not within acceptable control limits.
*:	In the QC section, sample results have been taken directly from the ICP reading. No preparation factor has been applied.
B:	Analyte was present in the Method Blank.
D:	Result is from a diluted analysis.
E:	Result is beyond calibration limits and is estimated.
H:	Analysis was performed over the allowed holding time due to circumstances which were beyond laboratory control.
J:	Analyte was detected. However, the analyte concentration is an estimated value, which is between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).
M:	Matrix spike recovery is outside control limits due to matrix interference. Laboratory Control Sample recovery was acceptable.
MCL:	Maximum Contaminant Level
NS:	No Standard Available
S6:	Surrogate recovery is outside control limits due to matrix interference.
S8:	The analysis of the sample required a dilution such that the surrogate concentration was diluted below the method acceptance criteria.
X:	Results represent LCS and LCSD data.

Definition:

%Limi:	Percent acceptable limits.
%REC:	Percent recovery.
Con.L:	Acceptable Control Limits
Conce:	Added concentration to the sample.
LCS:	Laboratory Control Sample
MDL:	Method Detection Limit is a statistically derived number which is specific for each instrument, each method, and each compound. It indicates a distinctively detectable quantity with 99% probability.



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Data Qualifiers and Descriptors

MS:	Matrix Spike
MS DU:	Matrix Spike Duplicate
ND:	Analyte was not detected in the sample at or above MDL.
PQL:	Practical Quantitation Limit or ML (Minimum Level as per RWQCB) is the minimum concentration that can be quantified with more than 99% confidence. Taking into account all aspects of the entire analytical instrumentation and practice.
Recov:	Recovered concentration in the sample.
RPD:	Relative Percent Difference



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SCS Engineers
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Long Beach, CA 90806-6816

Number of Pages 5
Date Received 09/25/2014
Date Reported 09/29/2014

Telephone: (562)426-9544
Attention: Ashley Hutchens

Job Number	Order Date	Client
74526	09/25/2014	SCS

Project ID: 01210161.10
Project Name: Fmr Long Beach Public Service
Site: 1409 San Francisco Ave

Enclosed please find results of analyses of 5 soil samples which were analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By: _____

Approved By: _____

Cyrus Razmara, Ph.D.
Laboratory Director



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CHAIN OF CUSTODY RECORD

No 89101

COMPANY SCS Engineers		PROJECT MANAGER Hshley Hutchens		AETL JOB No. 74526		Page 1 of 1	
COMPANY ADDRESS 3900 Kilroy Airport Way		PHONE 562-426-9544		ANALYSIS REQUESTED		TEST INSTRUCTIONS & COMMENTS	
PROJECT NAME		FAX					
SITE NAME AND ADDRESS 1409 San Francisco Ave		PROJECT # 012101101.10		PO #			

SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.	Lead (ppb)	Hold
1 S-46	74526.01	9/25/14	11:45	Soil	Jar	Ice	X	
2 S-47	74526.02		11:48				X	
3 PH-1	74526.03		2:45				X	X
4 PH-2	74526.04		2:47				X	
5 PH-3	74526.05		2:49				X	X
6 PH-4	74526.06		2:51				X	
7 PH-5	74526.07	X	2:53	X	X	X	X	
8								
9								
10								
11								
12								
13								
14								
15								

SAMPLE RECEIPT - TO BE FILLED BY LABORATORY				RELINQUISHED BY: 1.		RELINQUISHED BY: 2.		RELINQUISHED BY: 3.	
TOTAL NUMBER OF CONTAINERS	7	PROPERLY COOLED Y/N/NA		Signature:		Signature:		Signature:	
CUSTODY SEALS Y/N/NA		SAMPLES INTACT Y/N/NA		Printed Name:		Printed Name:		Printed Name:	
RECEIVED IN GOOD COND. Y/N		SAMPLES ACCEPTED Y/N		Date:	9/25/14	Date:		Date:	09/25/14
				Time:	1530	Time:		Time:	1725
TURN AROUND TIME		DATA DELIVERABLE REQUIRED		RECEIVED BY: 1.		RECEIVED BY: 2.		RECEIVED BY: 3.	
☐ NORMAL	☒ RUSH	☐ SAME DAY	☐ HARD COPY	Signature:		Signature:		Signature:	
☐ NEXT DAY	☐ 2 DAYS	☐ 3 DAYS	☒ PDF	Printed Name:		Printed Name:		Printed Name:	
		☐ GEOTRACKER (GLOBAL ID)		Date:	9/25/14	Date:		Date:	09/25/14
		☐ OTHER (PLEASE SPECIFY)		Time:	1530	Time:		Time:	1725

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Long Beach, CA 90806-6816

Project ID: 01210161.10
Date Received 09/25/2014
Date Reported 09/29/2014

Telephone: (562)426-9544
Attention: Ashley Hutchens

Job Number	Order Date	Client
74526	09/25/2014	SCS

CERTIFICATE OF ANALYSIS CASE NARRATIVE

AETL received 7 samples with the following specification on 09/25/2014.

Lab ID	Sample ID	Sample Date	Matrix	Quantity	Of Containers	
74526.01	S-46	09/25/2014	Soil	1		
74526.02	S-47	09/25/2014	Soil	1		
74526.04	PH-2	09/25/2014	Soil	1		
74526.06	PH-4	09/25/2014	Soil	1		
74526.07	PH-5	09/25/2014	Soil	1		
	Method ^ Submethod		Req Date	Priority	TAT	Units
	(6010B.LEAD)		09/29/2014	3	Rush	mg/Kg
74526.03	PH-1	09/25/2014	Soil	1		
74526.05	PH-3	09/25/2014	Soil	1		
	Method ^ Submethod		Req Date	Priority	TAT	Units
	ARCHIVE		09/29/2014	3	Rush	--

The samples were analyzed as specified on the enclosed chain of custody.
No analytical non-conformances were encountered.

Unless otherwise noted, all results of soil and solid samples are based on wet weight.

Checked By: 

Approved By: 

Cyrus Razmara, Ph.D.
Laboratory Director



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ANALYTICAL RESULTS

Ordered By

SCS Engineers
3900 Kilroy Airport Way
Suite 100
Long Beach, CA 90806-6816

Site

1409 San Francisco Ave

Telephone: (562)426-9544

Attn: Ashley Hutchens

Page: **2**

Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74526	09/25/2014	SCS

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 0926141C1

Our Lab I.D.		Method Blank	74526.01			
Client Sample I.D.			S-46			
Date Sampled			09/25/2014			
Date Prepared		09/26/2014	09/26/2014			
Preparation Method		3050B	3050B			
Date Analyzed		09/29/2014	09/29/2014			
Matrix		Soil	Soil			
Units		mg/Kg	mg/Kg			
Dilution Factor		1	1			
Analytes	MDL	PQL	Results	Results		
Lead	2.5	5.0	ND	11.0		



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Telephone: (562)426-9544

Attn: Ashley Hutchens

Page: **3**

Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74526	09/25/2014	SCS

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 0926141C1

Our Lab I.D.		74526.02				
Client Sample I.D.		S-47				
Date Sampled		09/25/2014				
Date Prepared		09/26/2014				
Preparation Method		3050B				
Date Analyzed		09/29/2014				
Matrix		Soil				
Units		mg/Kg				
Dilution Factor		10				
Analytes		MDL	PQL	Results		
Lead		25	50	102		



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ANALYTICAL RESULTS

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Telephone: (562)426-9544

Attn: Ashley Hutchens

Page: **4**

Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74526	09/25/2014	SCS

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 0926141C1

Our Lab I.D.		74526.04	74526.06	74526.07		
Client Sample I.D.		PH-2	PH-4	PH-5		
Date Sampled		09/25/2014	09/25/2014	09/25/2014		
Date Prepared		09/26/2014	09/26/2014	09/26/2014		
Preparation Method		3050B	3050B	3050B		
Date Analyzed		09/29/2014	09/29/2014	09/29/2014		
Matrix		Soil	Soil	Soil		
Units		mg/Kg	mg/Kg	mg/Kg		
Dilution Factor		1	1	1		
Analytes	MDL	PQL	Results	Results	Results	
Lead	2.5	5.0	6.16	4.90J	3.07J	



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QUALITY CONTROL RESULTS

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Long Beach, CA 90806-6816

Site

1409 San Francisco Ave

Telephone: (562)426-9544

Attn: Ashley Hutchens

Page: **5**

Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74526	09/25/2014	SCS

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 0926141C1; Dup or Spiked Sample: 74526.01; LCS: Clean Sand; QC Prepared: 09/26/2014; QC Analyzed: 09/29/2014;
Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Lead	11.0	10.0	19.8	88.0	10.0	18.5	75.0	16.0	75-125	<15

QC Batch No: 0926141C1; Dup or Spiked Sample: 74526.01; LCS: Clean Sand; QC Prepared: 09/26/2014; QC Analyzed: 09/29/2014;
Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Lead	1.00	1.07	107	1.00	1.02	102	4.78	75-125	<15	



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Data Qualifiers and Descriptors

Data Qualifier:

#:	Recovery is not within acceptable control limits.
*:	In the QC section, sample results have been taken directly from the ICP reading. No preparation factor has been applied.
B:	Analyte was present in the Method Blank.
D:	Result is from a diluted analysis.
E:	Result is beyond calibration limits and is estimated.
H:	Analysis was performed over the allowed holding time due to circumstances which were beyond laboratory control.
J:	Analyte was detected. However, the analyte concentration is an estimated value, which is between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).
M:	Matrix spike recovery is outside control limits due to matrix interference. Laboratory Control Sample recovery was acceptable.
MCL:	Maximum Contaminant Level
NS:	No Standard Available
S6:	Surrogate recovery is outside control limits due to matrix interference.
S8:	The analysis of the sample required a dilution such that the surrogate concentration was diluted below the method acceptance criteria.
X:	Results represent LCS and LCSD data.

Definition:

%Limi:	Percent acceptable limits.
%REC:	Percent recovery.
Con.L:	Acceptable Control Limits
Conce:	Added concentration to the sample.
LCS:	Laboratory Control Sample
MDL:	Method Detection Limit is a statistically derived number which is specific for each instrument, each method, and each compound. It indicates a distinctively detectable quantity with 99% probability.



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Data Qualifiers and Descriptors

MS:	Matrix Spike
MS DU:	Matrix Spike Duplicate
ND:	Analyte was not detected in the sample at or above MDL.
PQL:	Practical Quantitation Limit or ML (Minimum Level as per RWQCB) is the minimum concentration that can be quantified with more than 99% confidence. Taking into account all aspects of the entire analytical instrumentation and practice.
Recov:	Recovered concentration in the sample.
RPD:	Relative Percent Difference



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Ordered By

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3900 Kilroy Airport Way Suite 100
Long Beach, CA 90806-6816

Number of Pages 4
Date Received 09/29/2014
Date Reported 10/01/2014

Telephone: (562)426-9544
Attention: Ashley Hutchens

Job Number	Order Date	Client
74551	09/29/2014	SCS

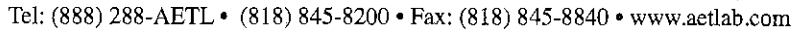
Project ID: 01210161.10
Project Name: Fmr Long Beach Public Service
Site: 1409 San Francisco Ave

Enclosed please find results of analyses of 6 soil samples which were analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By: _____

Approved By: _____

Cyrus Razmara, Ph.D.
Laboratory Director



DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator



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Ordered By

SCS Engineers
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Long Beach, CA 90806-6816

Project ID: 01210161.10
Date Received 09/29/2014
Date Reported 10/01/2014

Telephone: (562)426-9544
Attention: Ashley Hutchens

Job Number	Order Date	Client
74551	09/29/2014	SCS

CERTIFICATE OF ANALYSIS CASE NARRATIVE

AETL received 6 samples with the following specification on 09/29/2014.

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers
74551.01	S-48	09/29/2014	Soil	1
74551.02	S-49	09/29/2014	Soil	1
74551.03	S-50	09/29/2014	Soil	1
74551.04	S-51	09/29/2014	Soil	1
74551.05	S-52	09/29/2014	Soil	1
74551.06	S-53	09/29/2014	Soil	1

Method ^ Submethod	Req Date	Priority	TAT	Units
(6010B.LEAD)	10/01/2014	3	Rush	mg/Kg

The samples were analyzed as specified on the enclosed chain of custody. Analytical non-conformances have been noted on the report.

Unless otherwise noted, all results of soil and solid samples are based on wet weight.

Checked By: 

Approved By: 

Cyrus Razmara, Ph.D.
Laboratory Director



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ANALYTICAL RESULTS

Ordered By

Site

SCS Engineers
3900 Kilroy Airport Way
Suite 100
Long Beach, CA 90806-6816

1409 San Francisco Ave

Telephone: (562)426-9544

Attn: Ashley Hutchens

Page: **2**

Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74551	09/29/2014	SCS

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 0930141C4

Our Lab I.D.		Method Blank	74551.01	74551.02	74551.03	74551.04
Client Sample I.D.			S-48	S-49	S-50	S-51
Date Sampled			09/29/2014	09/29/2014	09/29/2014	09/29/2014
Date Prepared		09/30/2014	09/30/2014	09/30/2014	09/30/2014	09/30/2014
Preparation Method		3050B	3050B	3050B	3050B	3050B
Date Analyzed		09/30/2014	09/30/2014	09/30/2014	09/30/2014	09/30/2014
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results
Lead	2.5	5.0	ND	8.87	55.2	81.7



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ANALYTICAL RESULTS

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Site

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Telephone: (562)426-9544

Attn: Ashley Hutchens

Page: **3**

Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74551	09/29/2014	SCS

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 0930141C4

Our Lab I.D.		74551.05	74551.06			
Client Sample I.D.		S-52	S-53			
Date Sampled		09/29/2014	09/29/2014			
Date Prepared		09/30/2014	09/30/2014			
Preparation Method		3050B	3050B			
Date Analyzed		09/30/2014	09/30/2014			
Matrix		Soil	Soil			
Units		mg/Kg	mg/Kg			
Dilution Factor		1	1			
Analytes		MDL	PQL	Results	Results	
Lead		2.5	5.0	26.2	ND	



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QUALITY CONTROL RESULTS

Ordered By

SCS Engineers
3900 Kilroy Airport Way
Suite 100
Long Beach, CA 90806-6816

Site

1409 San Francisco Ave

Telephone: (562)426-9544

Attn: Ashley Hutchens

Page: 4

Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74551	09/29/2014	SCS

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 0930141C4; Dup or Spiked Sample: 74549.01; LCS: Clean Sand; QC Prepared: 09/30/2014; QC Analyzed: 09/30/2014;
Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Lead	643	10.0	645 #	20.0	10.0	652	90.0	127.3	75-125	<15

QC Batch No: 0930141C4; Dup or Spiked Sample: 74549.01; LCS: Clean Sand; QC Prepared: 09/30/2014; QC Analyzed: 09/30/2014;
Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Lead	1.00	0.970	97.4	1.00	0.950	95.1	2.39	75-125	<15	



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Data Qualifiers and Descriptors

Data Qualifier:

#:	Recovery is not within acceptable control limits.
*:	In the QC section, sample results have been taken directly from the ICP reading. No preparation factor has been applied.
B:	Analyte was present in the Method Blank.
D:	Result is from a diluted analysis.
E:	Result is beyond calibration limits and is estimated.
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Definition:

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%REC:	Percent recovery.
Con.L:	Acceptable Control Limits
Conce:	Added concentration to the sample.
LCS:	Laboratory Control Sample
MDL:	Method Detection Limit is a statistically derived number which is specific for each instrument, each method, and each compound. It indicates a distinctively detectable quantity with 99% probability.



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Data Qualifiers and Descriptors

MS:	Matrix Spike
MS DU:	Matrix Spike Duplicate
ND:	Analyte was not detected in the sample at or above MDL.
PQL:	Practical Quantitation Limit or ML (Minimum Level as per RWQCB) is the minimum concentration that can be quantified with more than 99% confidence. Taking into account all aspects of the entire analytical instrumentation and practice.
Recov:	Recovered concentration in the sample.
RPD:	Relative Percent Difference



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Number of Pages 2
Date Received 09/30/2014
Date Reported 10/01/2014

Telephone: (562)426-9544
Attention: Ashley Hutchens

Job Number	Order Date	Client
74572	09/30/2014	SCS

Project ID: 01210161.10
Project Name: Fmr Long Beach Public Service
Site: 1409 San Francisco Ave

Enclosed please find results of analyses of 3 soil samples which were analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By: 

Approved By: 

Cyrus Razmara, Ph.D.
Laboratory Director



American Environmental Testing Laboratory Inc.

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CHAIN OF CUSTODY RECORD

No 89103

COMPANY SCS Engineers				PROJECT MANAGER Ashley Hutchins			AETL JOB No. 74572		Page 1 of 1	
COMPANY ADDRESS 3900 Kilroy Airport way				PHONE 562-426-9544			ANALYSIS REQUESTED			
PROJECT NAME Long Beach Public Service yard				FAX						
SITE NAME AND ADDRESS 1409 San Francisco Ave				PROJECT # 01210161.10			TEST INSTRUCTIONS & COMMENTS 24 hr rush			
				PO #						

SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.	Lead (ppm)											
1 S-54	74572.01	9/30/14	07:25	Soil	Jar	Ice	X											
2 S-55	74572.02	↓	07:26	↓	↓	↓	X											
3 S-56	74572.03	↓	07:28	↓	↓	↓	X											
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		

SAMPLE RECEIPT - TO BE FILLED BY LABORATORY				RELINQUISHED BY: 1. SAMPLER:		RELINQUISHED BY: 2.		RELINQUISHED BY: 3.	
TOTAL NUMBER OF CONTAINERS	3	PROPERLY COOLED ☒ Y / N / NA		Signature: <i>[Signature]</i>		Signature: <i>[Signature]</i>		Signature: <i>[Signature]</i>	
CUSTODY SEALS Y / N / NA	☒ NA	SAMPLES INTACT ☒ Y / N / NA		Printed Name: <i>[Signature]</i>		Printed Name: <i>[Signature]</i>		Printed Name: <i>[Signature]</i>	
RECEIVED IN GOOD COND. ☒ Y / N		SAMPLES ACCEPTED ☒ Y / N		Date: 9/30/14 Time: 1510		Date: 9/30/14 Time: 1735		Date: 9/30/14 Time: 1735	
TURN AROUND TIME		DATA DELIVERABLE REQUIRED		RECEIVED BY: 1.		RECEIVED BY: 2.		RECEIVED BY: 3.	
☐ NORMAL ☒ RUSH ☐ SAME DAY ☒ NEXT DAY ☐ 2 DAYS ☐ 3 DAYS		☐ HARD COPY ☒ PDF ☐ GEOTRACKER (GLOBAL ID) _____ ☐ OTHER (PLEASE SPECIFY) _____		Signature: <i>[Signature]</i>		Signature: <i>[Signature]</i>		Signature: <i>[Signature]</i>	
				Printed Name: <i>[Signature]</i>		Printed Name: <i>[Signature]</i>		Printed Name: <i>[Signature]</i>	
				Date: 9/30/14 Time: 1510		Date: 9/30/14 Time: 1735		Date: 9/30/14 Time: 1735	

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator



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Page: 1 A

Ordered By

SCS Engineers
3900 Kilroy Airport Way Suite 100
Long Beach, CA 90806-6816

Project ID: 01210161.10
Date Received 09/30/2014
Date Reported 10/01/2014

Telephone: (562)426-9544
Attention: Ashley Hutchens

Job Number	Order Date	Client
74572	09/30/2014	SCS

CERTIFICATE OF ANALYSIS CASE NARRATIVE

AETL received 3 samples with the following specification on 09/30/2014.

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers
74572.01	S-54	09/30/2014	Soil	1
74572.02	S-55	09/30/2014	Soil	1
74572.03	S-56	09/30/2014	Soil	1

Method ^ Submethod	Req Date	Priority	TAT	Units
(6010B.LEAD)	10/01/2014	2	Rush	mg/Kg

The samples were analyzed as specified on the enclosed chain of custody. Analytical non-conformances have been noted on the report.

Unless otherwise noted, all results of soil and solid samples are based on wet weight.

Checked By: 

Approved By: 

Cyrus Razmara, Ph.D.
Laboratory Director



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ANALYTICAL RESULTS

Ordered By

SCS Engineers
3900 Kilroy Airport Way
Suite 100
Long Beach, CA 90806-6816

Site

1409 San Francisco Ave

Telephone: (562)426-9544

Attn: Ashley Hutchens

Page: 2

Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74572	09/30/2014	SCS

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 1001141C1

Our Lab I.D.		Method Blank	74572.01	74572.02	74572.03	
Client Sample I.D.			S-54	S-55	S-56	
Date Sampled			09/30/2014	09/30/2014	09/30/2014	
Date Prepared		10/01/2014	10/01/2014	10/01/2014	10/01/2014	
Preparation Method		3050B	3050B	3050B	3050B	
Date Analyzed		10/01/2014	10/01/2014	10/01/2014	10/01/2014	
Matrix		Soil	Soil	Soil	Soil	
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Dilution Factor		1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results
Lead	2.5	5.0	ND	4.65J	3.53J	15.8

QUALITY CONTROL REPORT

QC Batch No: 1001141C1; Dup or Spiked Sample: 74532.0; LCS: Clean Sand; QC Prepared: 10/01/2014; QC Analyzed: 10/01/2014;

Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Lead	0.00	50.0	51.9	104	50.0	52.2	104	<1	75-125	<15

QC Batch No: 1001141C1; Dup or Spiked Sample: 74532.0; LCS: Clean Sand; QC Prepared: 10/01/2014; QC Analyzed: 10/01/2014;

Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit
Lead	50.0	48.7	97.4	50.0	48.3	96.6	<1	75-125	<15



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Data Qualifiers and Descriptors

Data Qualifier:

#:	Recovery is not within acceptable control limits.
*:	In the QC section, sample results have been taken directly from the ICP reading. No preparation factor has been applied.
B:	Analyte was present in the Method Blank.
D:	Result is from a diluted analysis.
E:	Result is beyond calibration limits and is estimated.
H:	Analysis was performed over the allowed holding time due to circumstances which were beyond laboratory control.
J:	Analyte was detected. However, the analyte concentration is an estimated value, which is between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).
M:	Matrix spike recovery is outside control limits due to matrix interference. Laboratory Control Sample recovery was acceptable.
MCL:	Maximum Contaminant Level
NS:	No Standard Available
S6:	Surrogate recovery is outside control limits due to matrix interference.
S8:	The analysis of the sample required a dilution such that the surrogate concentration was diluted below the method acceptance criteria.
X:	Results represent LCS and LCSD data.

Definition:

%Limi:	Percent acceptable limits.
%REC:	Percent recovery.
Con.L:	Acceptable Control Limits
Conce:	Added concentration to the sample.
LCS:	Laboratory Control Sample
MDL:	Method Detection Limit is a statistically derived number which is specific for each instrument, each method, and each compound. It indicates a distinctively detectable quantity with 99% probability.



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Data Qualifiers and Descriptors

MS:	Matrix Spike
MS DU:	Matrix Spike Duplicate
ND:	Analyte was not detected in the sample at or above MDL.
PQL:	Practical Quantitation Limit or ML (Minimum Level as per RWQCB) is the minimum concentration that can be quantified with more than 99% confidence. Taking into account all aspects of the entire analytical instrumentation and practice.
Recov:	Recovered concentration in the sample.
RPD:	Relative Percent Difference



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Ordered By

SCS Engineers
3900 Kilroy Airport Way Suite 100
Long Beach, CA 90806-6816

Number of Pages 6
Date Received 10/01/2014
Date Reported 10/02/2014

Telephone: (562)426-9544
Attention: Ashley Hutchens

Job Number	Order Date	Client
74586	10/01/2014	SCS

Project ID: 01210161.10
Project Name: Fmr Long Beach Public Service
Site: 1409 San Francisco Ave

Enclosed please find results of analyses of 5 soil samples which were analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By: _____

Approved By: _____

Cyrus Razmara, Ph.D.
Laboratory Director



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CHAIN OF CUSTODY RECORD

No 88780

Page 1 of 1

COMPANY SCS Engineers				PROJECT MANAGER Ashley Hutchens			AETL JOB No. 74586		Page 1 of 1	
COMPANY ADDRESS 3900 Kilroy Airport way				PHONE 562-426-9544			ANALYSIS REQUESTED		TEST INSTRUCTIONS & COMMENTS	
PROJECT NAME Long Beach Public Service yard				FAX						
SITE NAME AND ADDRESS 1409 San Francisco Ave				PROJECT # 01210161.10						
				PO #						

SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.	Lead (60103)	TITLE 22 metals											
1 DSP-6	74586.01	10-1-14	2:30	Soil	der	Ice		X											
2 S-57	74586.02		12:40				X												
3 S-58	74586.03		12:42				X												
4 S-59	74586.04		12:44				X												
5 S-60	74586.05	X	12:46	X	X	X	X												
6																			
7																			
8																			
9																			
10																			
11																			
12																			
13																			
14																			
15																			

SAMPLE RECEIPT - TO BE FILLED BY LABORATORY				RELINQUISHED BY: 1.		RELINQUISHED BY: 2.		RELINQUISHED BY: 3.	
TOTAL NUMBER OF CONTAINERS	5	PROPERLY COOLED	Y/N/NA	Signature:		Signature:		Signature:	
CUSTODY SEALS	Y/N/NA	SAMPLES INTACT	Y/N/NA	Printed Name:		Printed Name:		Printed Name:	
RECEIVED IN GOOD COND.	Y/N	SAMPLES ACCEPTED	Y/N	Date:	10-1-14	Date:		Date:	10-1-14
TURN AROUND TIME				RECEIVED BY: 1.		RECEIVED BY: 2.		RECEIVED BY: 3.	
DATA DELIVERABLE REQUIRED				Signature:		Signature:		Signature:	
☐ NORMAL ☒ RUSH ☐ SAME DAY ☒ NEXT DAY ☐ 2 DAYS ☐ 3 DAYS				☐ HARD COPY ☒ PDF ☐ GEOTRACKER (GLOBAL ID) _____ ☐ OTHER (PLEASE SPECIFY) _____		☐ HARD COPY ☒ PDF ☐ GEOTRACKER (GLOBAL ID) _____ ☐ OTHER (PLEASE SPECIFY) _____		☐ HARD COPY ☒ PDF ☐ GEOTRACKER (GLOBAL ID) _____ ☐ OTHER (PLEASE SPECIFY) _____	
				Printed Name:		Printed Name:		Printed Name:	
				Date:	10-1-14	Date:		Date:	10/01/14
				Time:	2500	Time:		Time:	1610

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Page: 1 A

Ordered By

SCS Engineers
3900 Kilroy Airport Way Suite 100
Long Beach, CA 90806-6816

Project ID: 01210161.10
Date Received 10/01/2014
Date Reported 10/02/2014

Telephone: (562)426-9544
Attention: Ashley Hutchens

Job Number	Order Date	Client
74586	10/01/2014	SCS

CERTIFICATE OF ANALYSIS CASE NARRATIVE

AETL received 5 samples with the following specification on 10/01/2014.

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers		
74586.01	DSP-6	10/01/2014	Soil	1		
	Method ^ Submethod		Req Date	Priority	TAT	Units
	(6010B/7000CAM)		10/02/2014	2	Rush	mg/Kg
74586.02	S-57	10/01/2014	Soil	1		
74586.03	S-58	10/01/2014	Soil	1		
74586.04	S-59	10/01/2014	Soil	1		
74586.05	S-60	10/01/2014	Soil	1		
	Method ^ Submethod		Req Date	Priority	TAT	Units
	(6010B.LEAD)		10/02/2014	2	Rush	mg/Kg

The samples were analyzed as specified on the enclosed chain of custody. Analytical non-conformances have been noted on the report.

Unless otherwise noted, all results of soil and solid samples are based on wet weight.

Checked By: 

Approved By: 

Cyrus Razmara, Ph.D.
Laboratory Director



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ANALYTICAL RESULTS

Ordered By

Site

SCS Engineers
3900 Kilroy Airport Way
Suite 100
Long Beach, CA 90806-6816

1409 San Francisco Ave

Telephone: (562)426-9544

Attn: Ashley Hutchens

Page: 2

Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74586	10/01/2014	SCS

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 1002141C1

Our Lab I.D.			Method Blank	74586.01			
Client Sample I.D.				DSP-6			
Date Sampled				10/01/2014			
Date Prepared			10/02/2014	10/02/2014			
Preparation Method			3050B	3050B			
Date Analyzed			10/02/2014	10/02/2014			
Matrix			Soil	Soil			
Units			mg/Kg	mg/Kg			
Dilution Factor			1	1			
Analytes	MDL	PQL	Results	Results			
Antimony	1.0	5.0	ND	ND			
Arsenic	1.0	5.0	ND	7.92			
Barium	2.5	5.0	ND	445			
Beryllium	1.3	2.5	ND	ND			
Cadmium	1.3	2.5	ND	ND			
Chromium	2.5	5.0	ND	24.8			
Cobalt	2.5	5.0	ND	8.09			
Copper	2.5	5.0	ND	353			
Lead	2.5	5.0	ND	1,230			
Mercury (By EPA 7471)	0.1	0.2	ND	ND			
Molybdenum	2.5	5.0	ND	ND			
Nickel	2.5	5.0	ND	22.1			
Selenium	1.0	5.0	ND	ND			
Silver	2.5	5.0	ND	ND			
Thallium	1.0	5.0	ND	ND			
Vanadium	2.5	5.0	ND	28.7			
Zinc	2.5	5.0	ND	1,780			



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ANALYTICAL RESULTS

Ordered By

Site

SCS Engineers
3900 Kilroy Airport Way
Suite 100
Long Beach, CA 90806-6816

1409 San Francisco Ave

Telephone: (562)426-9544

Attn: Ashley Hutchens

Page: **3**

Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74586	10/01/2014	SCS

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 1002141C1

Our Lab I.D.		Method Blank	74586.02	74586.03	74586.04	74586.05
Client Sample I.D.			S-57	S-58	S-59	S-60
Date Sampled			10/01/2014	10/01/2014	10/01/2014	10/01/2014
Date Prepared		10/02/2014	10/02/2014	10/02/2014	10/02/2014	10/02/2014
Preparation Method		3050B	3050B	3050B	3050B	3050B
Date Analyzed		10/02/2014	10/02/2014	10/02/2014	10/02/2014	10/02/2014
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results
Lead	2.5	5.0	ND	3.57J	6.09	3.99J
						28.9



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QUALITY CONTROL RESULTS

Ordered By

SCS Engineers
3900 Kilroy Airport Way
Suite 100
Long Beach, CA 90806-6816

Site

1409 San Francisco Ave

Telephone: (562)426-9544

Attn: Ashley Hutchens

Page: 4

Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74586	10/01/2014	SCS

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 1002141C1; Dup or Spiked Sample: 74583.01; LCS: Clean Sand; QC Prepared: 10/02/2014; QC Analyzed: 10/02/2014;
Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Lead	114	10.0	184 #	700	10.0	191 #	770	9.52	75-125	<15

QC Batch No: 1002141C1; Dup or Spiked Sample: 74583.01; LCS: Clean Sand; QC Prepared: 10/02/2014; QC Analyzed: 10/02/2014;
Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Lead	10.0	9.56	95.6	10.0	9.70	97.0	1.45	75-125	<15	



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QUALITY CONTROL RESULTS

Ordered By

Site

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3900 Kilroy Airport Way
Suite 100
Long Beach, CA 90806-6816

1409 San Francisco Ave

Telephone: (562)426-9544

Attn: Ashley Hutchens

Page: 5

Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74586	10/01/2014	SCS

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 1002141C1; Dup or Spiked Sample: 74583.01; LCS: Clean Sand; QC Prepared: 10/02/2014; QC Analyzed: 10/02/2014;
Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Antimony	0.00	10.0	10.7	107	10.0	10.4	104	2.84	75-125	<15
Arsenic	5.95	10.0	14.8	88.5	10.0	14.6	86.5	2.29	75-125	<15
Barium	742	10.0	753	110	10.0	730 #	-120.0	4644	75-125	<15
Beryllium	0.00	10.0	9.39	93.9	10.0	9.59	95.9	2.11	75-125	<15
Cadmium	0.00	10.0	10.7	107	10.0	10.6	106	<1	75-125	<15
Chromium	17.3	10.0	26.5	92.0	10.0	25.3	80.0	14.0	75-125	<15
Cobalt	7.79	10.0	17.0	92.1	10.0	16.3	85.1	7.90	75-125	<15
Copper	28.9	10.0	37.3	84.0	10.0	36.3 #	74.0	12.7	75-125	<15
Lead	113	10.0	184 #	710	10.0	191 #	780	9.40	75-125	<15
Mercury (By EPA 7471)	0.00	0.500	0.655#	131	0.500	0.665#	133	1.5	75-125	<15
Molybdenum	0.367	10.0	10.5	101	10.0	10.5	101	<1	75-125	<15
Nickel	13.5	10.0	23.0	95.0	10.0	21.6	81.0	15.9	75-125	<15
Selenium	0.00	10.0	9.11	91.1	10.0	8.82	88.2	3.23	75-125	<15
Silver	0.00	10.0	9.87	98.7	10.0	9.76	97.6	1.12	75-125	<15
Thallium	0.00	10.0	9.91	99.1	10.0	9.98	99.8	<1	75-125	<15
Vanadium	29.7	10.0	42.5 #	128	10.0	41.5	118	8.13	75-125	<15
Zinc	584	10.0	583 #	-9.9	10.0	588 #	40.0	331.6	75-125	<15

QC Batch No: 1002141C1; Dup or Spiked Sample: 74583.01; LCS: Clean Sand; QC Prepared: 10/02/2014; QC Analyzed: 10/02/2014;
Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Antimony	10.0	9.69	96.9	10.0	9.66	96.6	<1	75-125	<15	
Arsenic	10.0	9.89	98.9	10.0	9.71	97.1	1.84	75-125	<15	
Barium	10.0	10.2	102	10.0	9.95	99.5	2.48	75-125	<15	
Beryllium	10.0	9.87	98.7	10.0	9.82	98.2	<1	75-125	<15	
Cadmium	10.0	9.82	98.2	10.0	9.85	98.5	<1	75-125	<15	
Chromium	10.0	10.3	103	10.0	10.1	101	1.96	75-125	<15	
Cobalt	10.0	10.1	101	10.0	10.3	103	1.96	75-125	<15	
Copper	10.0	10.1	101	10.0	10.1	101	<1	75-125	<15	



American Environmental Testing Laboratory Inc.

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QUALITY CONTROL RESULTS

Page: **6**

Project ID: 01210161.10
Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74586	10/01/2014	SCS

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 1002141C1; Dup or Spiked Sample: 74583.01; LCS: Clean Sand; QC Prepared: 10/02/2014; QC Analyzed: 10/02/2014;
Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Lead	10.0	9.56	95.6	10.0	9.70	97.0	1.45	75-125	<15	
Mercury (By EPA 7471)	0.500	0.600	120	0.500	0.605	121	<1	75-125	<15	
Molybdenum	10.0	9.83	98.3	10.0	9.83	98.3	<1	75-125	<15	
Nickel	10.0	10.1	101	10.0	10.2	102	<1	75-125	<15	
Selenium	10.0	9.90	99.0	10.0	9.63	96.3	2.76	75-125	<15	
Silver	10.0	9.74	97.4	10.0	9.81	98.1	<1	75-125	<15	
Thallium	10.0	9.52	95.2	10.0	9.61	96.1	<1	75-125	<15	
Vanadium	10.0	10.3	103	10.0	10.2	102	<1	75-125	<15	
Zinc	10.0	9.57	95.7	10.0	9.43	94.3	1.47	75-125	<15	



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Data Qualifiers and Descriptors

Data Qualifier:

#:	Recovery is not within acceptable control limits.
*:	In the QC section, sample results have been taken directly from the ICP reading. No preparation factor has been applied.
B:	Analyte was present in the Method Blank.
D:	Result is from a diluted analysis.
E:	Result is beyond calibration limits and is estimated.
H:	Analysis was performed over the allowed holding time due to circumstances which were beyond laboratory control.
J:	Analyte was detected. However, the analyte concentration is an estimated value, which is between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).
M:	Matrix spike recovery is outside control limits due to matrix interference. Laboratory Control Sample recovery was acceptable.
MCL:	Maximum Contaminant Level
NS:	No Standard Available
S6:	Surrogate recovery is outside control limits due to matrix interference.
S8:	The analysis of the sample required a dilution such that the surrogate concentration was diluted below the method acceptance criteria.
X:	Results represent LCS and LCSD data.

Definition:

%Limi:	Percent acceptable limits.
%REC:	Percent recovery.
Con.L:	Acceptable Control Limits
Conce:	Added concentration to the sample.
LCS:	Laboratory Control Sample
MDL:	Method Detection Limit is a statistically derived number which is specific for each instrument, each method, and each compound. It indicates a distinctively detectable quantity with 99% probability.



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Data Qualifiers and Descriptors

MS:	Matrix Spike
MS DU:	Matrix Spike Duplicate
ND:	Analyte was not detected in the sample at or above MDL.
PQL:	Practical Quantitation Limit or ML (Minimum Level as per RWQCB) is the minimum concentration that can be quantified with more than 99% confidence. Taking into account all aspects of the entire analytical instrumentation and practice.
Recov:	Recovered concentration in the sample.
RPD:	Relative Percent Difference



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Ordered By

SCS Engineers
3900 Kilroy Airport Way Suite 100
Long Beach, CA 90806-6816

Number of Pages 5
Date Received 10/02/2014
Date Reported 10/03/2014

Telephone: (562)426-9544
Attention: Ashley Hutchens

Job Number	Order Date	Client
74604	10/02/2014	SCS

Project ID: 01210161.10
Project Name: Fmr Long Beach Public Service
Site: 1409 San Francisco Ave

Enclosed please find results of analyses of 13 soil samples which were analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By: _____

Approved By: _____

Cyrus Razmara, Ph.D.
Laboratory Director

CHAIN OF CUSTODY RECORD

No 88782

AETL JOB No.

74604

Page 1 of 1

COMPANY SCS Engineers		PROJECT MANAGER Ashley Hutchens		AETL JOB No. 74609		Page 1 of 1	
COMPANY ADDRESS 3900 Kilroy Airport Way		PHONE 562-426-9544 FAX		ANALYSIS REQUESTED		TEST INSTRUCTIONS & COMMENTS	
PROJECT NAME Long Beach Public Service Yard		PROJECT # 01210161.10		Lead(60100)			
SITE NAME AND ADDRESS 1409 San Francisco Ave		PO #					
SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.	
1 S-61	74604.01	10/2/14	1:25	Soil	Jar	Ice	
2 S-62	74604.02		1:28				
3 S-63	74604.03		1:55				
4 S-64	74604.04		1:57				
5 S-65	74604.05		2:02				
6 S-66	74604.06		2:04				
7 S-67	74604.07		2:10				
8 S-68	74604.08		2:12				
9 S-69	74604.09		2:18				
10 S-70	74604.10		3:30				
11 S-71	74604.11		3:32				
12 S-72	74604.12		3:36				
13 S-73	74604.13	X	3:46	X	X	X	
14							
15							
SAMPLE RECEIPT - TO BE FILLED BY LABORATORY				RELINQUISHED BY: SAMPLER: Josh Ratusick		1. RELINQUISHED BY: Signature: _____	
TOTAL NUMBER OF CONTAINERS 13		PROPERLY COOLED Y/N/NA		Signature: _____		2. RELINQUISHED BY: Signature: _____	
CUSTODY SEALS Y/N/NA		SAMPLES INTACT Y/N/NA		Printed Name: Josh Ratusick		Printed Name: _____	
RECEIVED IN GOOD COND. Y/N		SAMPLES ACCEPTED Y/N		Date: 10/2/14 Time: 1555		Date: _____ Time: _____	
TURN AROUND TIME		DATA DELIVERABLE REQUIRED		RECEIVED BY: 1.		RECEIVED BY: 2.	
☐ NORMAL ☒ RUSH		☐ HARD COPY ☒ PDF		Signature: _____		Signature: _____	
☐ SAME DAY ☒ NEXT DAY		☐ GEOTRACKER (GLOBAL ID) _____		Printed Name: CAMPION POLKILAN		Printed Name: _____	
☐ 2 DAYS ☐ 3 DAYS		☐ OTHER (PLEASE SPECIFY) _____		Date: 10/2/14 Time: 1555		Date: _____ Time: _____	
				RECEIVED BY: 3.		RECEIVED BY: 3.	
				Signature: _____		Signature: _____	
				Printed Name: _____		Printed Name: Sean Claude	
				Date: 10/2/14 Time: 1555		Date: 10/2/14 Time: 1745	

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator



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Long Beach, CA 90806-6816

Project ID: 01210161.10
Date Received 10/02/2014
Date Reported 10/03/2014

Telephone: (562)426-9544
Attention: Ashley Hutchens

Job Number	Order Date	Client
74604	10/02/2014	SCS

CERTIFICATE OF ANALYSIS CASE NARRATIVE

AETL received 13 samples with the following specification on 10/02/2014.

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers
74604.01	S-61	10/02/2014	Soil	1
74604.02	S-62	10/02/2014	Soil	1
74604.03	S-63	10/02/2014	Soil	1
74604.04	S-64	10/02/2014	Soil	1
74604.05	S-65	10/02/2014	Soil	1
74604.06	S-66	10/02/2014	Soil	1
74604.07	S-67	10/02/2014	Soil	1
74604.08	S-68	10/02/2014	Soil	1
74604.09	S-69	10/02/2014	Soil	1
74604.10	S-70	10/02/2014	Soil	1
74604.11	S-71	10/02/2014	Soil	1
74604.12	S-72	10/02/2014	Soil	1
74604.13	S-73	10/02/2014	Soil	1

Method ^ Submethod	Req Date	Priority	TAT	Units
(6010B.LEAD)	10/03/2014	2	Rush	mg/Kg

The samples were analyzed as specified on the enclosed chain of custody.
No analytical non-conformances were encountered.

Unless otherwise noted, all results of soil and solid samples are based on wet weight.

Checked By: 

Approved By: 

Cyrus Razmara, Ph.D.
Laboratory Director



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ANALYTICAL RESULTS

Ordered By

Site

SCS Engineers
3900 Kilroy Airport Way
Suite 100
Long Beach, CA 90806-6816

1409 San Francisco Ave

Telephone: (562)426-9544

Attn: Ashley Hutchens

Page: **2**

Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74604	10/02/2014	SCS

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 1001141C5

Our Lab I.D.		Method Blank	74604.01	74604.02	74604.03	74604.04
Client Sample I.D.			S-61	S-62	S-63	S-64
Date Sampled			10/02/2014	10/02/2014	10/02/2014	10/02/2014
Date Prepared		10/01/2014	10/01/2014	10/01/2014	10/01/2014	10/01/2014
Preparation Method		3050B	3050B	3050B	3050B	3050B
Date Analyzed		10/03/2014	10/03/2014	10/03/2014	10/03/2014	10/03/2014
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results
Lead	2.5	5.0	ND	3.50J	22.0	ND



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ANALYTICAL RESULTS

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Long Beach, CA 90806-6816

Site

1409 San Francisco Ave

Telephone: (562)426-9544

Attn: Ashley Hutchens

Page: **3**

Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74604	10/02/2014	SCS

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 1001141C5

Our Lab I.D.			74604.05	74604.06	74604.07	74604.08	74604.09
Client Sample I.D.			S-65	S-66	S-67	S-68	S-69
Date Sampled			10/02/2014	10/02/2014	10/02/2014	10/02/2014	10/02/2014
Date Prepared			10/01/2014	10/01/2014	10/01/2014	10/01/2014	10/01/2014
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			10/03/2014	10/03/2014	10/03/2014	10/03/2014	10/03/2014
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Lead	2.5	5.0	6.60	3.57J	4.85J	3.81J	ND



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ANALYTICAL RESULTS

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Suite 100
Long Beach, CA 90806-6816

Site

1409 San Francisco Ave

Telephone: (562)426-9544

Attn: Ashley Hutchens

Page: **4**

Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74604	10/02/2014	SCS

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 1001141C5

Our Lab I.D.		74604.10	74604.11	74604.12	74604.13	
Client Sample I.D.		S-70	S-71	S-72	S-73	
Date Sampled		10/02/2014	10/02/2014	10/02/2014	10/02/2014	
Date Prepared		10/01/2014	10/01/2014	10/01/2014	10/01/2014	
Preparation Method		3050B	3050B	3050B	3050B	
Date Analyzed		10/03/2014	10/03/2014	10/03/2014	10/03/2014	
Matrix		Soil	Soil	Soil	Soil	
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Dilution Factor		1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results
Lead	2.5	5.0	ND	2.89J	13.2	8.62



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QUALITY CONTROL RESULTS

Ordered By

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Suite 100
Long Beach, CA 90806-6816

Site

1409 San Francisco Ave

Telephone: (562)426-9544

Attn: Ashley Hutchens

Page: **5**

Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74604	10/02/2014	SCS

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 1001141C5; Dup or Spiked Sample: B1001141C5; LCS: Clean Sand; LCS Prepared: 10/01/2014; LCS Analyzed: 10/03/2014;
Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Lead	10.0	7.98	79.8	10.0	7.95	79.5	<1	75-125	<15	



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Data Qualifiers and Descriptors

Data Qualifier:

#:	Recovery is not within acceptable control limits.
*:	In the QC section, sample results have been taken directly from the ICP reading. No preparation factor has been applied.
B:	Analyte was present in the Method Blank.
D:	Result is from a diluted analysis.
E:	Result is beyond calibration limits and is estimated.
H:	Analysis was performed over the allowed holding time due to circumstances which were beyond laboratory control.
J:	Analyte was detected. However, the analyte concentration is an estimated value, which is between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).
M:	Matrix spike recovery is outside control limits due to matrix interference. Laboratory Control Sample recovery was acceptable.
MCL:	Maximum Contaminant Level
NS:	No Standard Available
S6:	Surrogate recovery is outside control limits due to matrix interference.
S8:	The analysis of the sample required a dilution such that the surrogate concentration was diluted below the method acceptance criteria.
X:	Results represent LCS and LCSD data.

Definition:

%Limi:	Percent acceptable limits.
%REC:	Percent recovery.
Con.L:	Acceptable Control Limits
Conce:	Added concentration to the sample.
LCS:	Laboratory Control Sample
MDL:	Method Detection Limit is a statistically derived number which is specific for each instrument, each method, and each compound. It indicates a distinctively detectable quantity with 99% probability.



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Data Qualifiers and Descriptors

MS:	Matrix Spike
MS DU:	Matrix Spike Duplicate
ND:	Analyte was not detected in the sample at or above MDL.
PQL:	Practical Quantitation Limit or ML (Minimum Level as per RWQCB) is the minimum concentration that can be quantified with more than 99% confidence. Taking into account all aspects of the entire analytical instrumentation and practice.
Recov:	Recovered concentration in the sample.
RPD:	Relative Percent Difference



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Ordered By

SCS Engineers
3900 Kilroy Airport Way Suite 100
Long Beach, CA 90806-6816

Number of Pages 2
Date Received 10/03/2014
Date Reported 10/06/2014

Telephone: (562)426-9544
Attention: Ashley Hutchens

Job Number	Order Date	Client
74620	10/03/2014	SCS

Project ID: 01210161.10
Project Name: Fmr Long Beach Public Service
Site: 1409 San Francisco Ave

Enclosed please find results of analyses of 3 soil samples which were analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By: 

Approved By: 

Cyrus Razmara, Ph.D.
Laboratory Director

CHAIN OF CUSTODY RECORD

№ 89107

Page 1 of 1

COMPANY SCS Engineers		PROJECT MANAGER Ashley Hutchings		AETL JOB No. 74620		Page 1 of 1	
COMPANY ADDRESS 3900 Kilroy Airport Way		PHONE 562-426-9544		ANALYSIS REQUESTED		TEST INSTRUCTIONS & COMMENTS	
PROJECT NAME Long Beach Public Service Yard		FAX		Lead (60103)			
PROJECT # 01210161.10		PROJECT #					
SITE NAME AND ADDRESS 1409 San Francisco Ave		PO #					
SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.	
1 S-74	74620.01	10/3/14	10:49	Soil	Jar	Ice	
2 S-75	74620.02	4	10:50	1	1	1	
3 S-76	74620.03	4	11:15	2	1	1	
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
SAMPLE RECEIPT - TO BE FILLED BY LABORATORY				RELINQUISHED BY: 1.		RELINQUISHED BY: 2.	
TOTAL NUMBER OF CONTAINERS 3		PROPERLY COOLED (Y/N) NA		Signature: [Signature]		Signature: [Signature]	
CUSTODY SEALS Y (N) NA		SAMPLES INTACT (Y/N) NA		Printed Name: [Name]		Printed Name: [Name]	
RECEIVED IN GOOD COND. (Y/N)		SAMPLES ACCEPTED (Y/N)		Date: 10/3/14 Time: 1520		Date: 10/3/14 Time: 1705	
TURN AROUND TIME		DATA DELIVERABLE REQUIRED		RECEIVED BY: 1.		RECEIVED BY: 2.	
☐ NORMAL ☒ RUSH		☐ HARD COPY		Signature: [Signature]		Signature: [Signature]	
☒ SAME DAY		☒ PDF		Printed Name: [Name]		Printed Name: [Name]	
☒ NEXT DAY		☐ GEOTRACKER (GLOBAL ID)		Date: 10/3/14 Time: 1520		Date: 10/3/14 Time: 1705	
☐ 2 DAYS		☐ OTHER (PLEASE SPECIFY)					
☐ 3 DAYS							

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator



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Page: 1 A

Ordered By

SCS Engineers
3900 Kilroy Airport Way Suite 100
Long Beach, CA 90806-6816

Project ID: 01210161.10
Date Received 10/03/2014
Date Reported 10/06/2014

Telephone: (562)426-9544
Attention: Ashley Hutchens

Job Number	Order Date	Client
74620	10/03/2014	SCS

CERTIFICATE OF ANALYSIS CASE NARRATIVE

AETL received 3 samples with the following specification on 10/03/2014.

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers
74620.01	S-74	10/03/2014	Soil	1
74620.02	S-75	10/03/2014	Soil	1
74620.03	S-76	10/03/2014	Soil	1

Method ^ Submethod	Req Date	Priority	TAT	Units
(6010B.LEAD)	10/06/2014	2	Rush	mg/Kg

The samples were analyzed as specified on the enclosed chain of custody. Analytical non-conformances have been noted on the report.

Unless otherwise noted, all results of soil and solid samples are based on wet weight.

Checked By: 

Approved By: 

Cyrus Razmara, Ph.D.
Laboratory Director



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ANALYTICAL RESULTS

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SCS Engineers
3900 Kilroy Airport Way
Suite 100
Long Beach, CA 90806-6816

Site

1409 San Francisco Ave

Telephone: (562)426-9544

Attn: Ashley Hutchens

Page: 2

Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74620	10/03/2014	SCS

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 1004141C2

Our Lab I.D.		Method Blank	74620.01	74620.02	74620.03	
Client Sample I.D.			S-74	S-75	S-76	
Date Sampled			10/03/2014	10/03/2014	10/03/2014	
Date Prepared		10/04/2014	10/04/2014	10/04/2014	10/04/2014	
Preparation Method		3050B	3050B	3050B	3050B	
Date Analyzed		10/05/2014	10/05/2014	10/05/2014	10/05/2014	
Matrix		Soil	Soil	Soil	Soil	
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Dilution Factor		1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results
Lead	2.5	5.0	ND	92.9	5.15	6.75

QUALITY CONTROL REPORT

QC Batch No: 1004141C2; Dup or Spiked Sample: 74605.01; LCS: Clean Sand; QC Prepared: 10/04/2014; QC Analyzed: 10/05/2014;
Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Lead	5.49	10.0	10.9 #	54.1	10.0	11.1 #	56.1	3.63	75-125	<15

QC Batch No: 1004141C2; Dup or Spiked Sample: 74605.01; LCS: Clean Sand; QC Prepared: 10/04/2014; QC Analyzed: 10/05/2014;
Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Lead	10.0	8.21	82.1	10.0	7.99	79.9	2.72	75-125	<15	



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Data Qualifiers and Descriptors

Data Qualifier:

#:	Recovery is not within acceptable control limits.
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J:	Analyte was detected. However, the analyte concentration is an estimated value, which is between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).
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MCL:	Maximum Contaminant Level
NS:	No Standard Available
S6:	Surrogate recovery is outside control limits due to matrix interference.
S8:	The analysis of the sample required a dilution such that the surrogate concentration was diluted below the method acceptance criteria.
X:	Results represent LCS and LCSD data.

Definition:

%Limi:	Percent acceptable limits.
%REC:	Percent recovery.
Con.L:	Acceptable Control Limits
Conce:	Added concentration to the sample.
LCS:	Laboratory Control Sample
MDL:	Method Detection Limit is a statistically derived number which is specific for each instrument, each method, and each compound. It indicates a distinctively detectable quantity with 99% probability.



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Data Qualifiers and Descriptors

MS:	Matrix Spike
MS DU:	Matrix Spike Duplicate
ND:	Analyte was not detected in the sample at or above MDL.
PQL:	Practical Quantitation Limit or ML (Minimum Level as per RWQCB) is the minimum concentration that can be quantified with more than 99% confidence. Taking into account all aspects of the entire analytical instrumentation and practice.
Recov:	Recovered concentration in the sample.
RPD:	Relative Percent Difference



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Ordered By

SCS Engineers
3900 Kilroy Airport Way Suite 100
Long Beach, CA 90806-6816

Telephone: (562)426-9544
Attention: Ashley Hutchens

Number of Pages 6
Date Received 02/17/2015
Date Reported 02/18/2015

Job Number	Order Date	Client
76011	02/17/2015	SCS

Project ID: 01210161.10
Project Name: Fmr Long Beach Public SER YD
Site: 1409 San Francisco Ave
Long Beach, CA 90806

Enclosed please find results of analyses of 2 soil samples which were analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By: _____

Approved By: _____

Cyrus Razmara, Ph.D.
Laboratory Director



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CHAIN OF CUSTODY RECORD

No. 54157

AETL JOB No.

76011

Page 1 of 1

COMPANY SCS Engineers	PROJECT MANAGER Ashley Hutchins
COMPANY ADDRESS 3900 Kilroy Airport Way,	PHONE 562 426 9544
PROJECT NAME Former Long Beach Public Service Yard	FAX
SITE NAME AND ADDRESS 1409 San Francisco	PROJECT # 01210161-10 01212361-00
	PO #

ANALYSIS REQUESTED												TEST INSTRUCTIONS & COMMENTS
1	2	3	4	5	6	7	8	9	10	11	12	
X												Please use same billing rates as previously agreed.

SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.
1 S77	76011.01	2/14/15	801	Soil	4oz jar	
2 S78	76011.02	1	802	1	1	
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						

SAMPLE RECEIPT - TO BE FILLED BY LABORATORY				RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
TOTAL NUMBER OF CONTAINERS	2	PROPERLY COOLED	Y / N / NA	Signature: Ashley Hutchins	Signature: [Signature]	Signature: [Signature]
CUSTODY SEALS	Y / N / NA	SAMPLES INTACT	Y / N / NA	Printed Name: Ashley Hutchins	Printed Name: [Name]	Printed Name: [Name]
RECEIVED IN GOOD COND.	Y / N	SAMPLES ACCEPTED	Y / N	Date: 2/18/15 Time: 1332	Date: [Date] Time: [Time]	Date: 2/17/15 Time: 1725
TURN AROUND TIME				RECEIVED BY: 1.	RECEIVED BY: 2.	RECEIVED BY: 3.
☐ NORMAL	☒ RUSH	☐ SAME DAY	☐ 2 DAYS	Signature: [Signature]	Signature: [Signature]	Signature: [Signature]
		☒ NEXT DAY	☐ 3 DAYS	Printed Name: CAROLAN RAMONA	Printed Name: [Name]	Printed Name: [Name]
				Date: 2/17/15 Time: 1332	Date: [Date] Time: [Time]	Date: 02/17/15 Time: 1725

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Long Beach, CA 90806-6816

Project ID: 01210161.10
Date Received 02/17/2015
Date Reported 02/18/2015

Telephone: (562)426-9544
Attention: Ashley Hutchens

Job Number	Order Date	Client
76011	02/17/2015	SCS

CERTIFICATE OF ANALYSIS CASE NARRATIVE

AETL received 2 samples with the following specification on 02/17/2015.

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers		
76011.01	S77	02/14/2015	Soil	1		
	Method ^ Submethod		Req Date	Priority	TAT	Units
	(6010B/7000CAM)		02/18/2015	2	Rush	mg/Kg
76011.02	S78	02/14/2015	Soil	1		
	Method ^ Submethod		Req Date	Priority	TAT	Units
	(6010B.LEAD)		02/18/2015	2	Rush	mg/Kg

The samples were analyzed as specified on the enclosed chain of custody. Analytical non-conformances have been noted on the report.

Unless otherwise noted, all results of soil and solid samples are based on wet weight.

Checked By: 

Approved By: 

Cyrus Razmara, Ph.D.
Laboratory Director



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ANALYTICAL RESULTS

Ordered By

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Suite 100
Long Beach, CA 90806-6816

Site

1409 San Francisco Ave
Long Beach, CA 90806

Telephone: (562)426-9544

Attn: Ashley Hutchens

Page: **2**

Project ID: 01210161.10

Project Name: Fmr Long Beach Public SER YD

AETL Job Number	Submitted	Client
76011	02/17/2015	SCS

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0218152C1

Our Lab I.D.			Method Blank	76011.01			
Client Sample I.D.				S77			
Date Sampled				02/14/2015			
Date Prepared			02/18/2015	02/18/2015			
Preparation Method			3050B	3050B			
Date Analyzed			02/18/2015	02/18/2015			
Matrix			Soil	Soil			
Units			mg/Kg	mg/Kg			
Dilution Factor			1	1			
Analytes	MDL	PQL	Results	Results			
Antimony	1.0	5.0	ND	ND			
Arsenic	1.0	5.0	ND	ND			
Barium	2.5	5.0	ND	139			
Beryllium	1.3	2.5	ND	ND			
Cadmium	1.3	2.5	ND	ND			
Chromium	2.5	5.0	ND	20.4			
Cobalt	2.5	5.0	ND	11.4			
Copper	2.5	5.0	ND	31.2			
Lead	2.5	5.0	ND	4.92J			
Mercury (By EPA 7471)	0.1	0.2	ND	ND			
Molybdenum	2.5	5.0	ND	ND			
Nickel	2.5	5.0	ND	14.5			
Selenium	1.0	5.0	ND	ND			
Silver	2.5	5.0	ND	ND			
Thallium	1.0	5.0	ND	ND			
Vanadium	2.5	5.0	ND	39.0			
Zinc	2.5	5.0	ND	59.9			



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ANALYTICAL RESULTS

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Site

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Long Beach, CA 90806

Telephone: (562)426-9544

Attn: Ashley Hutchens

Page: **3**

Project ID: 01210161.10

Project Name: Fmr Long Beach Public SER YD

AETL Job Number	Submitted	Client
76011	02/17/2015	SCS

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 0218152C1

Our Lab I.D.		Method Blank	76011.02			
Client Sample I.D.			S78			
Date Sampled			02/14/2015			
Date Prepared		02/18/2015	02/18/2015			
Preparation Method		3050B	3050B			
Date Analyzed		02/18/2015	02/18/2015			
Matrix		Soil	Soil			
Units		mg/Kg	mg/Kg			
Dilution Factor		1	1			
Analytes	MDL	PQL	Results	Results		
Lead	2.5	5.0	ND	ND		



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QUALITY CONTROL RESULTS

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Site

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Telephone: (562)426-9544

Attn: Ashley Hutchens

Page: **4**

Project ID: 01210161.10

Project Name: Fmr Long Beach Public SER YD

AETL Job Number	Submitted	Client
76011	02/17/2015	SCS

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 0218152C1; Dup or Spiked Sample: 76006.02; LCS: Clean Sand; QC Prepared: 02/18/2015; QC Analyzed: 02/18/2015;
Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Lead	1.36	50.0	43.0	83.3	50.0	42.5	82.3	1.21	75-125	<15

--



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Data Qualifiers and Descriptors

Data Qualifier:

#:	Recovery is not within acceptable control limits.
*:	In the QC section, sample results have been taken directly from the ICP reading. No preparation factor has been applied.
B:	Analyte was present in the Method Blank.
D:	Result is from a diluted analysis.
E:	Result is beyond calibration limits and is estimated.
H:	Analysis was performed over the allowed holding time due to circumstances which were beyond laboratory control.
J:	Analyte was detected. However, the analyte concentration is an estimated value, which is between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).
M:	Matrix spike recovery is outside control limits due to matrix interference. Laboratory Control Sample recovery was acceptable.
MCL:	Maximum Contaminant Level
NS:	No Standard Available
S6:	Surrogate recovery is outside control limits due to matrix interference.
S8:	The analysis of the sample required a dilution such that the surrogate concentration was diluted below the method acceptance criteria.
X:	Results represent LCS and LCSD data.

Definition:

%Limi:	Percent acceptable limits.
%REC:	Percent recovery.
Con.L:	Acceptable Control Limits
Conce:	Added concentration to the sample.
LCS:	Laboratory Control Sample
MDL:	Method Detection Limit is a statistically derived number which is specific for each instrument, each method, and each compound. It indicates a distinctively detectable quantity with 99% probability.



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Data Qualifiers and Descriptors

MS:	Matrix Spike
MS DU:	Matrix Spike Duplicate
ND:	Analyte was not detected in the sample at or above MDL.
PQL:	Practical Quantitation Limit or ML (Minimum Level as per RWQCB) is the minimum concentration that can be quantified with more than 99% confidence. Taking into account all aspects of the entire analytical instrumentation and practice.
Recov:	Recovered concentration in the sample.
RPD:	Relative Percent Difference

APPENDIX F

Analytical Laboratory Reports – Imported Fill Samples



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Long Beach, CA 90806-6816

Number of Pages 13
Date Received 09/29/2014
Date Reported 10/01/2014

Telephone: (562)426-9544
Attention: Ashley Hutchens

Job Number	Order Date	Client
74552	09/29/2014	SCS

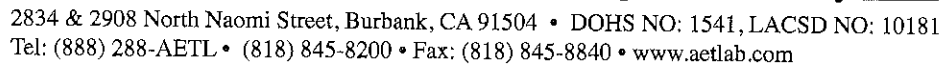
Project ID: 01210161.10
Project Name: Fmr Long Beach Public Service
Site: 1409 San Francisco Ave

Enclosed please find results of analyses of 1 soil sample which was analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By: _____

Approved By: _____

Cyrus Razmara, Ph.D.
Laboratory Director



№ 89110

Page 1 of 4

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Ordered By

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Long Beach, CA 90806-6816

Project ID: 01210161.10
Date Received 09/29/2014
Date Reported 10/01/2014

Telephone: (562)426-9544
Attention: Ashley Hutchens

Job Number	Order Date	Client
74552	09/29/2014	SCS

CERTIFICATE OF ANALYSIS CASE NARRATIVE

AETL received 1 samples with the following specification on 09/29/2014.

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers		
74552.01	F-1	09/29/2014	Soil	1		
	Method ^ Submethod		Req Date	Priority	TAT	Units
	(6010B/7000CAM)		10/01/2014	3	Rush	mg/Kg
	(8260B)		10/01/2014	3	Rush	ug/Kg
	(M8015D) ^ C13-C40		10/01/2014	3	Rush	mg/Kg
	(M8015G)		10/01/2014	3	Rush	mg/Kg

The samples were analyzed as specified on the enclosed chain of custody. Analytical non-conformances have been noted on the report.

Unless otherwise noted, all results of soil and solid samples are based on wet weight.

Checked By: 

Approved By: 

Cyrus Razmara, Ph.D.
Laboratory Director



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ANALYTICAL RESULTS

Ordered By

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3900 Kilroy Airport Way
Suite 100
Long Beach, CA 90806-6816

Site

1409 San Francisco Ave

Telephone: (562)426-9544

Attn: Ashley Hutchens

Page: 2

Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74552	09/29/2014	SCS

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0930142A1

Our Lab I.D.			Method Blank	74552.01			
Client Sample I.D.				F-1			
Date Sampled				09/29/2014			
Date Prepared			09/30/2014	09/30/2014			
Preparation Method			5030	5030			
Date Analyzed			09/30/2014	09/30/2014			
Matrix			Soil	Soil			
Units			ug/Kg	ug/Kg			
Dilution Factor			1	1			
Analytes	MDL	PQL	Results	Results			
Acetone	25	50	ND	ND			
Benzene	1.0	10.0	ND	ND			
Bromobenzene (Phenyl bromide)	5.0	10.0	ND	ND			
Bromochloromethane	5.0	10.0	ND	ND			
Bromodichloromethane	5.0	10.0	ND	ND			
Bromoform (Tribromomethane)	25	50	ND	ND			
Bromomethane (Methyl bromide)	15	30	ND	ND			
2-Butanone (MEK)	25	50	ND	ND			
n-Butylbenzene	5.0	10.0	ND	ND			
sec-Butylbenzene	5.0	10.0	ND	ND			
tert-Butylbenzene	5.0	10.0	ND	ND			
Carbon Disulfide	25	50	ND	ND			
Carbon tetrachloride	5.0	10.0	ND	ND			
Chlorobenzene	5.0	10.0	ND	ND			
Chloroethane	15	30	ND	ND			
2-Chloroethyl vinyl ether	50	50	ND	ND			
Chloroform (Trichloromethane)	5.0	10.0	ND	ND			
Chloromethane (Methyl chloride)	15	30	ND	ND			
2-Chlorotoluene	5.0	10.0	ND	ND			
4-Chlorotoluene	5.0	10.0	ND	ND			
1,2-Dibromo-3-chloropropane (DBCP)	25	50	ND	ND			
Dibromochloromethane	5.0	10.0	ND	ND			
1,2-Dibromoethane (EDB)	5.0	10.0	ND	ND			
Dibromomethane	5.0	10.0	ND	ND			
1,2-Dichlorobenzene	5.0	10.0	ND	ND			
1,3-Dichlorobenzene	5.0	10.0	ND	ND			
1,4-Dichlorobenzene	5.0	10.0	ND	ND			



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ANALYTICAL RESULTS

Page: **3**

Project ID: 01210161.10
Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74552	09/29/2014	SCS

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0930142A1

Our Lab I.D.			Method Blank	74552.01			
Client Sample I.D.				F-1			
Date Sampled				09/29/2014			
Date Prepared			09/30/2014	09/30/2014			
Preparation Method			5030	5030			
Date Analyzed			09/30/2014	09/30/2014			
Matrix			Soil	Soil			
Units			ug/Kg	ug/Kg			
Dilution Factor			1	1			
Analytes	MDL	PQL	Results	Results			
Dichlorodifluoromethane	15	30	ND	ND			
1,1-Dichloroethane	5.0	10.0	ND	ND			
1,2-Dichloroethane (EDC)	5.0	10.0	ND	ND			
1,1-Dichloroethene	5.0	10.0	ND	ND			
cis-1,2-Dichloroethene	5.0	10.0	ND	ND			
trans-1,2-Dichloroethene	5.0	10.0	ND	ND			
1,2-Dichloropropane	5.0	10.0	ND	ND			
1,3-Dichloropropane	5.0	10.0	ND	ND			
2,2-Dichloropropane	5.0	10.0	ND	ND			
1,1-Dichloropropene	5.0	10.0	ND	ND			
cis-1,3-Dichloropropene	5.0	10.0	ND	ND			
trans-1,3-Dichloropropene	5.0	10.0	ND	ND			
Ethylbenzene	1.0	10.0	ND	ND			
Hexachlorobutadiene	15	30	ND	ND			
2-Hexanone	25	50	ND	ND			
Iodomethane	5.0	10.0	ND	ND			
Isopropylbenzene	5.0	10.0	ND	ND			
p-Isopropyltoluene	5.0	10.0	ND	ND			
4-Methyl-2-pentanone (MIBK)	25	50	ND	ND			
Methyl-tert-butyl ether (MTBE)	2.0	10.0	ND	ND			
Methylene chloride (DCM)	25	50	ND	ND			
Naphthalene	5.0	10.0	ND	ND			
n-Propylbenzene	5.0	10.0	ND	ND			
Styrene	5.0	10.0	ND	ND			
1,1,1,2-Tetrachloroethane	5.0	10.0	ND	ND			
1,1,2,2-Tetrachloroethane	5.0	10.0	ND	ND			
Tetrachloroethene	2.0	10.0	ND	ND			
Toluene (Methyl benzene)	1.0	10.0	ND	ND			
1,2,3-Trichlorobenzene	5.0	10.0	ND	ND			
1,2,4-Trichlorobenzene	5.0	10.0	ND	ND			
1,1,1-Trichloroethane	5.0	10.0	ND	ND			
1,1,2-Trichloroethane	5.0	10.0	ND	ND			
Trichloroethene	1.5	10.0	ND	ND			
Trichlorofluoromethane	5.0	10.0	ND	ND			



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ANALYTICAL RESULTS

Page: 4

Project ID: 01210161.10
Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74552	09/29/2014	SCS

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0930142A1

Our Lab I.D.			Method Blank	74552.01			
Client Sample I.D.				F-1			
Date Sampled				09/29/2014			
Date Prepared			09/30/2014	09/30/2014			
Preparation Method			5030	5030			
Date Analyzed			09/30/2014	09/30/2014			
Matrix			Soil	Soil			
Units			ug/Kg	ug/Kg			
Dilution Factor			1	1			
Analytes	MDL	PQL	Results	Results			
1,2,3-Trichloropropane	5.0	10.0	ND	ND			
1,2,4-Trimethylbenzene	5.0	10.0	ND	ND			
1,3,5-Trimethylbenzene	5.0	10.0	ND	ND			
Vinyl Acetate	25	50	ND	ND			
Vinyl chloride (Chloroethene)	5.0	10.0	ND	ND			
o-Xylene	1.0	10.0	ND	ND			
m,p-Xylenes	1.0	20.0	ND	ND			
Our Lab I.D.			Method Blank	74552.01			
Surrogates	%Rec.Limit		% Rec.	% Rec.			
Bromofluorobenzene	75-125		108	103			
Dibromofluoromethane	75-125		121	114			
Toluene-d8	75-125		105	101			



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ANALYTICAL RESULTS

Ordered By

Site

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Suite 100
Long Beach, CA 90806-6816

1409 San Francisco Ave

Telephone: (562)426-9544

Attn: Ashley Hutchens

Page: **5**

Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74552	09/29/2014	SCS

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 093014OB1

Our Lab I.D.			Method Blank	74552.01			
Client Sample I.D.				F-1			
Date Sampled				09/29/2014			
Date Prepared			09/30/2014	09/30/2014			
Preparation Method			5030	5030			
Date Analyzed			09/30/2014	09/30/2014			
Matrix			Soil	Soil			
Units			mg/Kg	mg/Kg			
Dilution Factor			1	1			
Analytes	MDL	PQL	Results	Results			
TPH as Gasoline and Light HC. (C4-C12)	0.100	1.000	ND	ND			
Our Lab I.D.			Method Blank	74552.01			
Surrogates	%Rec.Limit		% Rec.	% Rec.			
Bromofluorobenzene	75-125		88.4	89.6			



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1409 San Francisco Ave

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Attn: Ashley Hutchens

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Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74552	09/29/2014	SCS

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 100114DB1

Our Lab I.D.			Method Blank	74552.01			
Client Sample I.D.				F-1			
Date Sampled				09/29/2014			
Date Prepared			10/01/2014	10/01/2014			
Preparation Method			3550B	3550B			
Date Analyzed			10/01/2014	10/01/2014			
Matrix			Soil	Soil			
Units			mg/Kg	mg/Kg			
Dilution Factor			1	1			
Analytes		MDL	PQL	Results	Results		
TPH as Diesel (C13-C22)		1.0	5.0	ND	ND		
TPH as Heavy Hydrocarbons (C23-C40)		1.0	5.0	ND	ND		
TPH Total as Diesel and Heavy HC.C13-C40		1.0	5.0	ND	ND		
Our Lab I.D.				Method Blank	74552.01		
Surrogates		%Rec.Limit		% Rec.	% Rec.		
Chlorobenzene		75-125		107	108		



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Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74552	09/29/2014	SCS

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0930141C4

Our Lab I.D.			Method Blank	74552.01			
Client Sample I.D.				F-1			
Date Sampled				09/29/2014			
Date Prepared			09/30/2014	09/30/2014			
Preparation Method			3050B	3050B			
Date Analyzed			09/30/2014	09/30/2014			
Matrix			Soil	Soil			
Units			mg/Kg	mg/Kg			
Dilution Factor			1	1			
Analytes	MDL	PQL	Results	Results			
Antimony	1.0	5.0	ND	ND			
Arsenic	1.0	5.0	ND	ND			
Barium	2.5	5.0	ND	46.4			
Beryllium	1.3	2.5	ND	ND			
Cadmium	1.3	2.5	ND	ND			
Chromium	2.5	5.0	ND	8.10			
Cobalt	2.5	5.0	ND	3.76J			
Copper	2.5	5.0	ND	8.10			
Lead	2.5	5.0	ND	ND			
Mercury (By EPA 7471)	0.1	0.2	ND	ND			
Molybdenum	2.5	5.0	ND	ND			
Nickel	2.5	5.0	ND	7.05			
Selenium	1.0	5.0	ND	ND			
Silver	2.5	5.0	ND	ND			
Thallium	1.0	5.0	ND	ND			
Vanadium	2.5	5.0	ND	15.3			
Zinc	2.5	5.0	ND	23.7			



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Page: 8

Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74552	09/29/2014	SCS

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0930141C4; Dup or Spiked Sample: 74549.01; LCS: Clean Sand; QC Prepared: 09/30/2014; QC Analyzed: 09/30/2014;
Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Antimony	0.00	10.0	11.5	115	10.0	11.3	113	1.75	75-125	<15
Arsenic	6.80	10.0	13.4 #	66.0	10.0	13.4 #	66.0	<1	75-125	<15
Barium	413	10.0	420 #	70.0	10.0	417 #	40.0	54.5	75-125	<15
Beryllium	0.00	10.0	9.43	94.3	10.0	9.25	92.5	1.93	75-125	<15
Cadmium	0.00	10.0	10.9	109	10.0	10.9	109	<1	75-125	<15
Chromium	18.0	10.0	26.8	88.0	10.0	29.5	115	26.6	75-125	<15
Cobalt	7.01	10.0	15.2	81.9	10.0	15.7	86.9	5.92	75-125	<15
Copper	78.2	10.0	86.5	83.0	10.0	86.7	85.0	2.38	75-125	<15
Lead	643	10.0	645 #	20.0	10.0	652	90.0	127.3	75-125	<15
Mercury (By EPA 7471)	0.00	0.500	0.535	107	0.500	0.540	108	<1	75-125	<15
Molybdenum	1.77	10.0	11.2	94.3	10.0	11.2	94.3	<1	75-125	<15
Nickel	24.2	10.0	33.0	88.0	10.0	32.2	80.0	9.52	75-125	<15
Selenium	0.00	10.0	6.40 #	64.0	10.0	6.30 #	63.0	1.57	75-125	<15
Silver	0.00	10.0	10.2	102	10.0	10.3	103	<1	75-125	<15
Thallium	0.00	10.0	10.1	101	10.0	10.6	106	4.83	75-125	<15
Vanadium	19.1	10.0	27.0	79.0	10.0	28.1	90.0	13.0	75-125	<15
Zinc	466	10.0	475	90.0	10.0	493 #	270	100.0	75-125	<15

QC Batch No: 0930141C4; Dup or Spiked Sample: 74549.01; LCS: Clean Sand; QC Prepared: 09/30/2014; QC Analyzed: 09/30/2014;
Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Antimony	1.00	0.940	94.3	1.00	0.950	95.4	1.16	75-125	<15	
Arsenic	1.00	0.880	88.2	1.00	0.870	86.6	1.83	75-125	<15	
Barium	1.00	0.940	93.7	1.00	0.950	95.0	1.38	75-125	<15	
Beryllium	1.00	0.940	94.2	1.00	0.950	95.1	<1	75-125	<15	
Cadmium	1.00	0.980	97.7	1.00	0.970	96.6	1.13	75-125	<15	
Chromium	1.00	1.04	104	1.00	1.07	107	2.84	75-125	<15	
Cobalt	1.00	0.980	98.2	1.00	1.02	102	3.80	75-125	<15	
Copper	1.00	0.970	97.4	1.00	1.01	101	3.63	75-125	<15	



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QUALITY CONTROL RESULTS

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Project ID: 01210161.10
Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74552	09/29/2014	SCS

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0930141C4; Dup or Spiked Sample: 74549.01; LCS: Clean Sand; QC Prepared: 09/30/2014; QC Analyzed: 09/30/2014;
Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Lead	1.00	0.970	97.4	1.00	0.950	95.1	2.39	75-125	<15	
Mercury (By EPA 7471)	0.500	0.520	104	0.500	0.520	104	<1	75-125	<15	
Molybdenum	1.00	0.950	94.9	1.00	0.950	95.2	<1	75-125	<15	
Nickel	1.00	0.990	98.7	1.00	1.01	101	2.30	75-125	<15	
Selenium	1.00	0.840	84.3	1.00	0.830	83.0	1.55	75-125	<15	
Silver	1.00	0.970	97.3	1.00	0.970	97.1	<1	75-125	<15	
Thallium	1.00	0.980	98.0	1.00	1.00	100	2.02	75-125	<15	
Vanadium	1.00	0.850	85.0	1.00	0.820	82.2	3.35	75-125	<15	
Zinc	1.00	1.07	107	1.00	1.05	105	1.89	75-125	<15	



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Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74552	09/29/2014	SCS

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0930142A1; Dup or Spiked Sample: 74552.01; LCS: Clean Sand; QC Prepared: 09/30/2014; QC Analyzed: 09/30/2014;
Units: ug/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Benzene	0.00	50.0	43.3	86.6	50.0	45.1	90.2	4.07	75-125	<20
Chlorobenzene	0.00	50.0	42.3	84.6	50.0	44.7	89.4	5.52	75-125	<20
1,1-Dichloroethene	0.00	50.0	43.8	87.6	50.0	45.0	90.0	2.70	75-125	<20
Methyl-tert-butyl ether (MTBE)	0.00	50.0	46.6	93.2	50.0	47.0	94.0	<1	75-125	<20
Toluene (Methyl benzene)	0.00	50.0	42.8	85.6	50.0	45.7	91.4	6.55	75-125	<20
Trichloroethene	0.00	50.0	53.5	107	50.0	53.5	107	<1	75-125	<20
Surrogates										
Bromofluorobenzene	0.00	50.0	48.7	97.4	50.0	48.7	97.4	<1	75-125	<20
Dibromofluoromethane	0.00	50.0	49.7	99.3	50.0	48.8	97.6	1.71	75-125	<20
Toluene-d8	0.00	50.0	49.7	99.3	50.0	50.0	100	<1	75-125	<20

QC Batch No: 0930142A1; Dup or Spiked Sample: 74552.01; LCS: Clean Sand; QC Prepared: 09/30/2014; QC Analyzed: 09/30/2014;
Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Benzene	50.0	51.7	103	50.0	53.5	107	3.81	75-125	<20	
Chlorobenzene	50.0	50.8	102	50.0	51.2	102	<1	75-125	<20	
1,1-Dichloroethene	50.0	58.0	116	50.0	57.7	115	<1	75-125	<20	
Methyl-tert-butyl ether (MTBE)	50.0	57.3	115	50.0	58.8	118	2.58	75-125	<20	
Toluene (Methyl benzene)	50.0	52.7	105	50.0	52.7	105	<1	75-125	<20	
Trichloroethene	50.0	54.4	109	50.0	55.2	110	<1	75-125	<20	
LCS										
Chloroform (Trichloromethane)	50.0	53.7	107	50.0	55.7	111	3.67	75-125	<20	
Ethylbenzene	50.0	53.1	106	50.0	53.7	107	<1	75-125	<20	
1,1,1-Trichloroethane	50.0	57.4	115	50.0	57.7	115	<1	75-125	<20	
o-Xylene	50.0	49.6	99.2	50.0	51.2	102	2.78	75-125	<20	
m,p-Xylenes	100	109	109	100	112	112	2.71	75-125	<20	
Surrogates										
Bromofluorobenzene	50.0	51.4	103	50.0	49.0	97.9	4.95	75-125	<20	
Dibromofluoromethane	50.0	52.6	105	50.0	51.5	103	1.90	75-125	<20	



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QUALITY CONTROL RESULTS

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Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74552	09/29/2014	SCS

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0930142A1; Dup or Spiked Sample: 74552.01; LCS: Clean Sand; QC Prepared: 09/30/2014; QC Analyzed: 09/30/2014;
Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Toluene-d8	50.0	49.3	98.6	50.0	48.3	96.6	2.03	75-125	<20	



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Telephone: (562)426-9544

Attn: Ashley Hutchens

Page: **12**

Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74552	09/29/2014	SCS

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 100114DB1; Dup or Spiked Sample: 74552.01; LCS: Clean Sand; QC Prepared: 10/01/2014; QC Analyzed: 10/01/2014;
Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
TPH as Diesel (C13-C22)	0.00	500	523	105	500	509	102	2.90	75-125	<20
Surrogates										
Chlorobenzene	0.00	100	106	106	100	104	104	1.89	75-125	<20

QC Batch No: 100114DB1; Dup or Spiked Sample: 74552.01; LCS: Clean Sand; QC Prepared: 10/01/2014; QC Analyzed: 10/01/2014;
Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
TPH as Diesel (C13-C22)	500	527	105	500	516	103	1.92	75-125	<20	
Surrogates										
Chlorobenzene	100	105	105	100	104	104	<1	75-125	<20	



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Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74552	09/29/2014	SCS

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 093014OB1; Dup or Spiked Sample: 74552.01AGA; LCS: Clean Sand; QC Prepared: 09/30/2014; QC Analyzed: 09/30/2014;
Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
TPH as Gasoline and Light HC. (C4-C12)	0.00	1.00	0.639M	63.9	1.00	0.523M	52.3	20.0	75-125	<20
Surrogates										
Bromofluorobenzene	0.00	0.0500	0.0477	95.4	0.0500	0.0480	96.0	<1	75-125	<20

QC Batch No: 093014OB1; Dup or Spiked Sample: 74552.01AGA; LCS: Clean Sand; QC Prepared: 09/30/2014; QC Analyzed: 09/30/2014;
Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
TPH as Gasoline and Light HC. (C4-C12)	1.00	0.876	87.6	1.00	0.812	81.2	7.58	75-125	<20	
Surrogates										
Bromofluorobenzene	0.0500	0.0516	103	0.0500	0.0468	93.6	9.13	75-125	<20	



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Data Qualifiers and Descriptors

Data Qualifier:

#:	Recovery is not within acceptable control limits.
*:	In the QC section, sample results have been taken directly from the ICP reading. No preparation factor has been applied.
B:	Analyte was present in the Method Blank.
D:	Result is from a diluted analysis.
E:	Result is beyond calibration limits and is estimated.
H:	Analysis was performed over the allowed holding time due to circumstances which were beyond laboratory control.
J:	Analyte was detected. However, the analyte concentration is an estimated value, which is between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).
M:	Matrix spike recovery is outside control limits due to matrix interference. Laboratory Control Sample recovery was acceptable.
MCL:	Maximum Contaminant Level
NS:	No Standard Available
S6:	Surrogate recovery is outside control limits due to matrix interference.
S8:	The analysis of the sample required a dilution such that the surrogate concentration was diluted below the method acceptance criteria.
X:	Results represent LCS and LCSD data.

Definition:

%Limi:	Percent acceptable limits.
%REC:	Percent recovery.
Con.L:	Acceptable Control Limits
Conce:	Added concentration to the sample.
LCS:	Laboratory Control Sample
MDL:	Method Detection Limit is a statistically derived number which is specific for each instrument, each method, and each compound. It indicates a distinctively detectable quantity with 99% probability.



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Data Qualifiers and Descriptors

MS:	Matrix Spike
MS DU:	Matrix Spike Duplicate
ND:	Analyte was not detected in the sample at or above MDL.
PQL:	Practical Quantitation Limit or ML (Minimum Level as per RWQCB) is the minimum concentration that can be quantified with more than 99% confidence. Taking into account all aspects of the entire analytical instrumentation and practice.
Recov:	Recovered concentration in the sample.
RPD:	Relative Percent Difference



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Number of Pages 13
Date Received 09/30/2014
Date Reported 10/02/2014

Telephone: (562)426-9544
Attention: Ashley Hutchens

Job Number	Order Date	Client
74573	09/30/2014	SCS

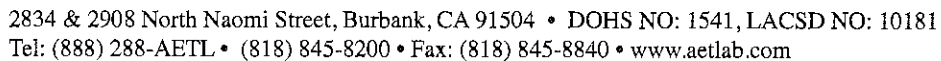
Project ID: 01210161.10
Project Name: Fmr Long Beach Public Service
Site: 1409 San Francisco Ave

Enclosed please find results of analyses of 1 soil sample which was analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By: _____

Approved By: _____

Cyrus Razmara, Ph.D.
Laboratory Director



DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator



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Page: 1 A

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Project ID: 01210161.10
Date Received 09/30/2014
Date Reported 10/02/2014

Telephone: (562)426-9544
Attention: Ashley Hutchens

Job Number	Order Date	Client
74573	09/30/2014	SCS

CERTIFICATE OF ANALYSIS CASE NARRATIVE

AETL received 1 samples with the following specification on 09/30/2014.

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers		
74573.01	F-2	09/30/2014	Soil	1		
	Method ^ Submethod		Req Date	Priority	TAT	Units
	(6010B/7000CAM)		10/02/2014	3	Rush	mg/Kg
	(8260B)		10/02/2014	3	Rush	ug/Kg
	(M8015D) ^ C13-C40		10/02/2014	3	Rush	mg/Kg
	(M8015G)		10/02/2014	3	Rush	mg/Kg

The samples were analyzed as specified on the enclosed chain of custody. Analytical non-conformances have been noted on the report.

Unless otherwise noted, all results of soil and solid samples are based on wet weight.

Checked By: 

Approved By: 

Cyrus Razmara, Ph.D.
Laboratory Director



American Environmental Testing Laboratory Inc.

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ANALYTICAL RESULTS

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Page: 2

Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74573	09/30/2014	SCS

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1001142A1

Our Lab I.D.			Method Blank	74573.01			
Client Sample I.D.				F-2			
Date Sampled				09/30/2014			
Date Prepared			10/01/2014	10/01/2014			
Preparation Method			5030	5030			
Date Analyzed			10/01/2014	10/01/2014			
Matrix			Soil	Soil			
Units			ug/Kg	ug/Kg			
Dilution Factor			1	1			
Analytes	MDL	PQL	Results	Results			
Acetone	25	50	ND	ND			
Benzene	1.0	10.0	ND	ND			
Bromobenzene (Phenyl bromide)	5.0	10.0	ND	ND			
Bromochloromethane	5.0	10.0	ND	ND			
Bromodichloromethane	5.0	10.0	ND	ND			
Bromoform (Tribromomethane)	25	50	ND	ND			
Bromomethane (Methyl bromide)	15	30	ND	ND			
2-Butanone (MEK)	25	50	ND	ND			
n-Butylbenzene	5.0	10.0	ND	ND			
sec-Butylbenzene	5.0	10.0	ND	ND			
tert-Butylbenzene	5.0	10.0	ND	ND			
Carbon Disulfide	25	50	ND	ND			
Carbon tetrachloride	5.0	10.0	ND	ND			
Chlorobenzene	5.0	10.0	ND	ND			
Chloroethane	15	30	ND	ND			
2-Chloroethyl vinyl ether	50	50	ND	ND			
Chloroform (Trichloromethane)	5.0	10.0	ND	ND			
Chloromethane (Methyl chloride)	15	30	ND	ND			
2-Chlorotoluene	5.0	10.0	ND	ND			
4-Chlorotoluene	5.0	10.0	ND	ND			
1,2-Dibromo-3-chloropropane (DBCP)	25	50	ND	ND			
Dibromochloromethane	5.0	10.0	ND	ND			
1,2-Dibromoethane (EDB)	5.0	10.0	ND	ND			
Dibromomethane	5.0	10.0	ND	ND			
1,2-Dichlorobenzene	5.0	10.0	ND	ND			
1,3-Dichlorobenzene	5.0	10.0	ND	ND			
1,4-Dichlorobenzene	5.0	10.0	ND	ND			



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ANALYTICAL RESULTS

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Project ID: 01210161.10
Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74573	09/30/2014	SCS

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1001142A1

Our Lab I.D.			Method Blank	74573.01			
Client Sample I.D.				F-2			
Date Sampled				09/30/2014			
Date Prepared			10/01/2014	10/01/2014			
Preparation Method			5030	5030			
Date Analyzed			10/01/2014	10/01/2014			
Matrix			Soil	Soil			
Units			ug/Kg	ug/Kg			
Dilution Factor			1	1			
Analytes	MDL	PQL	Results	Results			
Dichlorodifluoromethane	15	30	ND	ND			
1,1-Dichloroethane	5.0	10.0	ND	ND			
1,2-Dichloroethane (EDC)	5.0	10.0	ND	ND			
1,1-Dichloroethene	5.0	10.0	ND	ND			
cis-1,2-Dichloroethene	5.0	10.0	ND	ND			
trans-1,2-Dichloroethene	5.0	10.0	ND	ND			
1,2-Dichloropropane	5.0	10.0	ND	ND			
1,3-Dichloropropane	5.0	10.0	ND	ND			
2,2-Dichloropropane	5.0	10.0	ND	ND			
1,1-Dichloropropene	5.0	10.0	ND	ND			
cis-1,3-Dichloropropene	5.0	10.0	ND	ND			
trans-1,3-Dichloropropene	5.0	10.0	ND	ND			
Ethylbenzene	1.0	10.0	ND	ND			
Hexachlorobutadiene	15	30	ND	ND			
2-Hexanone	25	50	ND	ND			
Iodomethane	5.0	10.0	ND	ND			
Isopropylbenzene	5.0	10.0	ND	ND			
p-Isopropyltoluene	5.0	10.0	ND	ND			
4-Methyl-2-pentanone (MIBK)	25	50	ND	ND			
Methyl-tert-butyl ether (MTBE)	2.0	10.0	ND	ND			
Methylene chloride (DCM)	25	50	ND	ND			
Naphthalene	5.0	10.0	ND	ND			
n-Propylbenzene	5.0	10.0	ND	ND			
Styrene	5.0	10.0	ND	ND			
1,1,1,2-Tetrachloroethane	5.0	10.0	ND	ND			
1,1,2,2-Tetrachloroethane	5.0	10.0	ND	ND			
Tetrachloroethene	2.0	10.0	ND	ND			
Toluene (Methyl benzene)	1.0	10.0	ND	ND			
1,2,3-Trichlorobenzene	5.0	10.0	ND	ND			
1,2,4-Trichlorobenzene	5.0	10.0	ND	ND			
1,1,1-Trichloroethane	5.0	10.0	ND	ND			
1,1,2-Trichloroethane	5.0	10.0	ND	ND			
Trichloroethene	1.5	10.0	ND	ND			
Trichlorofluoromethane	5.0	10.0	ND	ND			



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ANALYTICAL RESULTS

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Project ID: 01210161.10
Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74573	09/30/2014	SCS

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1001142A1

Our Lab I.D.			Method Blank	74573.01			
Client Sample I.D.				F-2			
Date Sampled				09/30/2014			
Date Prepared			10/01/2014	10/01/2014			
Preparation Method			5030	5030			
Date Analyzed			10/01/2014	10/01/2014			
Matrix			Soil	Soil			
Units			ug/Kg	ug/Kg			
Dilution Factor			1	1			
Analytes	MDL	PQL	Results	Results			
1,2,3-Trichloropropane	5.0	10.0	ND	ND			
1,2,4-Trimethylbenzene	5.0	10.0	ND	ND			
1,3,5-Trimethylbenzene	5.0	10.0	ND	ND			
Vinyl Acetate	25	50	ND	ND			
Vinyl chloride (Chloroethene)	5.0	10.0	ND	ND			
o-Xylene	1.0	10.0	ND	ND			
m,p-Xylenes	1.0	20.0	ND	ND			
Our Lab I.D.			Method Blank	74573.01			
Surrogates	%Rec.Limit		% Rec.	% Rec.			
Bromofluorobenzene	75-125		106	106			
Dibromofluoromethane	75-125		107	104			
Toluene-d8	75-125		101	105			



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Attn: Ashley Hutchens

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Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74573	09/30/2014	SCS

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 100114OB1

Our Lab I.D.			Method Blank	74573.01			
Client Sample I.D.				F-2			
Date Sampled				09/30/2014			
Date Prepared			10/01/2014	10/01/2014			
Preparation Method			5030	5030			
Date Analyzed			10/01/2014	10/01/2014			
Matrix			Soil	Soil			
Units			mg/Kg	mg/Kg			
Dilution Factor			1	1			
Analytes	MDL	PQL	Results	Results			
TPH as Gasoline and Light HC. (C4-C12)	0.100	1.000	ND	ND			
Our Lab I.D.			Method Blank	74573.01			
Surrogates	%Rec.Limit		% Rec.	% Rec.			
Bromofluorobenzene	75-125		90.2	92.6			



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Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74573	09/30/2014	SCS

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 100114DB1

Our Lab I.D.			Method Blank	74573.01			
Client Sample I.D.				F-2			
Date Sampled				09/30/2014			
Date Prepared			10/01/2014	10/01/2014			
Preparation Method			3550B	3550B			
Date Analyzed			10/01/2014	10/01/2014			
Matrix			Soil	Soil			
Units			mg/Kg	mg/Kg			
Dilution Factor			1	1			
Analytes		MDL	PQL	Results	Results		
TPH as Diesel (C13-C22)		1.0	5.0	ND	ND		
TPH as Heavy Hydrocarbons (C23-C40)		1.0	5.0	ND	ND		
TPH Total as Diesel and Heavy HC.C13-C40		1.0	5.0	ND	ND		
Our Lab I.D.				Method Blank	74573.01		
Surrogates		%Rec.Limit		% Rec.	% Rec.		
Chlorobenzene		75-125		107	114		



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Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74573	09/30/2014	SCS

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 1002141C1

Our Lab I.D.			Method Blank	74573.01			
Client Sample I.D.				F-2			
Date Sampled				09/30/2014			
Date Prepared			10/02/2014	10/02/2014			
Preparation Method			3050B	3050B			
Date Analyzed			10/02/2014	10/02/2014			
Matrix			Soil	Soil			
Units			mg/Kg	mg/Kg			
Dilution Factor			1	1			
Analytes	MDL	PQL	Results	Results			
Antimony	1.0	5.0	ND	ND			
Arsenic	1.0	5.0	ND	3.22J			
Barium	2.5	5.0	ND	44.1			
Beryllium	1.3	2.5	ND	ND			
Cadmium	1.3	2.5	ND	ND			
Chromium	2.5	5.0	ND	9.22			
Cobalt	2.5	5.0	ND	4.04J			
Copper	2.5	5.0	ND	8.98			
Lead	2.5	5.0	ND	2.80J			
Mercury (By EPA 7471)	0.1	0.2	ND	ND			
Molybdenum	2.5	5.0	ND	ND			
Nickel	2.5	5.0	ND	7.24			
Selenium	1.0	5.0	ND	ND			
Silver	2.5	5.0	ND	ND			
Thallium	1.0	5.0	ND	ND			
Vanadium	2.5	5.0	ND	15.3			
Zinc	2.5	5.0	ND	25.1			



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Page: 8

Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74573	09/30/2014	SCS

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 1002141C1; Dup or Spiked Sample: 74583.01; LCS: Clean Sand; QC Prepared: 10/02/2014; QC Analyzed: 10/02/2014;
Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Antimony	0.00	10.0	10.7	107	10.0	10.4	104	2.84	75-125	<15
Arsenic	5.95	10.0	14.8	88.5	10.0	14.6	86.5	2.29	75-125	<15
Barium	742	10.0	753	110	10.0	730 #	-120.0	4644	75-125	<15
Beryllium	0.00	10.0	9.39	93.9	10.0	9.59	95.9	2.11	75-125	<15
Cadmium	0.00	10.0	10.7	107	10.0	10.6	106	<1	75-125	<15
Chromium	17.3	10.0	26.5	92.0	10.0	25.3	80.0	14.0	75-125	<15
Cobalt	7.79	10.0	17.0	92.1	10.0	16.3	85.1	7.90	75-125	<15
Copper	28.9	10.0	37.3	84.0	10.0	36.3 #	74.0	12.7	75-125	<15
Lead	113	10.0	184 #	710	10.0	191 #	780	9.40	75-125	<15
Mercury (By EPA 7471)	0.00	0.500	0.655#	131	0.500	0.665#	133	1.5	75-125	<15
Molybdenum	0.367	10.0	10.5	101	10.0	10.5	101	<1	75-125	<15
Nickel	13.5	10.0	23.0	95.0	10.0	21.6	81.0	15.9	75-125	<15
Selenium	0.00	10.0	9.11	91.1	10.0	8.82	88.2	3.23	75-125	<15
Silver	0.00	10.0	9.87	98.7	10.0	9.76	97.6	1.12	75-125	<15
Thallium	0.00	10.0	9.91	99.1	10.0	9.98	99.8	<1	75-125	<15
Vanadium	29.7	10.0	42.5 #	128	10.0	41.5	118	8.13	75-125	<15
Zinc	584	10.0	583 #	-9.9	10.0	588 #	40.0	331.6	75-125	<15

QC Batch No: 1002141C1; Dup or Spiked Sample: 74583.01; LCS: Clean Sand; QC Prepared: 10/02/2014; QC Analyzed: 10/02/2014;
Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Antimony	10.0	9.69	96.9	10.0	9.66	96.6	<1	75-125	<15	
Arsenic	10.0	9.89	98.9	10.0	9.71	97.1	1.84	75-125	<15	
Barium	10.0	10.2	102	10.0	9.95	99.5	2.48	75-125	<15	
Beryllium	10.0	9.87	98.7	10.0	9.82	98.2	<1	75-125	<15	
Cadmium	10.0	9.82	98.2	10.0	9.85	98.5	<1	75-125	<15	
Chromium	10.0	10.3	103	10.0	10.1	101	1.96	75-125	<15	
Cobalt	10.0	10.1	101	10.0	10.3	103	1.96	75-125	<15	
Copper	10.0	10.1	101	10.0	10.1	101	<1	75-125	<15	



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QUALITY CONTROL RESULTS

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Project ID: 01210161.10
Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74573	09/30/2014	SCS

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 1002141C1; Dup or Spiked Sample: 74583.01; LCS: Clean Sand; QC Prepared: 10/02/2014; QC Analyzed: 10/02/2014;
Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Lead	10.0	9.56	95.6	10.0	9.70	97.0	1.45	75-125	<15	
Mercury (By EPA 7471)	0.500	0.600	120	0.500	0.605	121	<1	75-125	<15	
Molybdenum	10.0	9.83	98.3	10.0	9.83	98.3	<1	75-125	<15	
Nickel	10.0	10.1	101	10.0	10.2	102	<1	75-125	<15	
Selenium	10.0	9.90	99.0	10.0	9.63	96.3	2.76	75-125	<15	
Silver	10.0	9.74	97.4	10.0	9.81	98.1	<1	75-125	<15	
Thallium	10.0	9.52	95.2	10.0	9.61	96.1	<1	75-125	<15	
Vanadium	10.0	10.3	103	10.0	10.2	102	<1	75-125	<15	
Zinc	10.0	9.57	95.7	10.0	9.43	94.3	1.47	75-125	<15	



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Page: 10

Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74573	09/30/2014	SCS

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1001142A1; Dup or Spiked Sample: 74565.01; LCS: Clean Sand; QC Prepared: 10/01/2014; QC Analyzed: 10/01/2014;
Units: ug/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Benzene	0.00	50.0	35.9 #	71.8	50.0	26.2 #	52.4	31.2	75-125	<20
Chlorobenzene	0.00	50.0	31.6 #	63.2	50.0	24.6 #	49.2	24.9	75-125	<20
1,1-Dichloroethene	0.00	50.0	37.7	75.4	50.0	27.8 #	55.6	30.2	75-125	<20
Methyl-tert-butyl ether (MTBE)	0.00	50.0	51.0	102	50.0	29.8 #	59.6	52.5	75-125	<20
Toluene (Methyl benzene)	0.00	50.0	33.4 #	66.8	50.0	26.7 #	53.4	22.3	75-125	<20
Trichloroethene	0.00	50.0	57.0	114	50.0	40.8	81.6	33.1	75-125	<20
Surrogates										
Bromofluorobenzene	0.00	50.0	47.8	95.6	50.0	51.5	103	7.74	75-125	<20
Dibromofluoromethane	0.00	50.0	55.0	110	50.0	48.8	97.6	11.3	75-125	<20
Toluene-d8	0.00	50.0	48.3	96.6	50.0	49.4	98.7	2.17	75-125	<20

QC Batch No: 1001142A1; Dup or Spiked Sample: 74565.01; LCS: Clean Sand; QC Prepared: 10/01/2014; QC Analyzed: 10/01/2014;
Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Benzene	50.0	50.8	102	50.0	53.3	107	4.78	75-125	<20	
Chlorobenzene	50.0	52.2	104	50.0	52.2	104	<1	75-125	<20	
1,1-Dichloroethene	50.0	51.5	103	50.0	54.4	109	5.66	75-125	<20	
Methyl-tert-butyl ether (MTBE)	50.0	54.2	108	50.0	54.8	110	1.83	75-125	<20	
Toluene (Methyl benzene)	50.0	52.0	104	50.0	54.1	108	3.77	75-125	<20	
Trichloroethene	50.0	52.8	106	50.0	55.8	112	5.50	75-125	<20	
LCS										
Chloroform (Trichloromethane)	50.0	50.9	102	50.0	51.8	104	1.94	75-125	<20	
Ethylbenzene	50.0	53.1	106	50.0	53.2	106	<1	75-125	<20	
1,1,1-Trichloroethane	50.0	55.2	110	50.0	58.5	117	6.17	75-125	<20	
o-Xylene	50.0	51.3	103	50.0	51.7	103	<1	75-125	<20	
m,p-Xylenes	100	111	111	100	113	113	1.79	75-125	<20	
Surrogates										
Bromofluorobenzene	50.0	48.2	96.4	50.0	50.9	102	5.81	75-125	<20	
Dibromofluoromethane	50.0	47.5	95.0	50.0	49.4	98.7	3.89	75-125	<20	



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QUALITY CONTROL RESULTS

Page: **11**

Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74573	09/30/2014	SCS

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1001142A1; Dup or Spiked Sample: 74565.01; LCS: Clean Sand; QC Prepared: 10/01/2014; QC Analyzed: 10/01/2014;
Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Toluene-d8	50.0	48.9	97.7	50.0	49.5	99.0	1.33	75-125	<20	



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QUALITY CONTROL RESULTS

Ordered By

SCS Engineers
3900 Kilroy Airport Way
Suite 100
Long Beach, CA 90806-6816

Site

1409 San Francisco Ave

Telephone: (562)426-9544

Attn: Ashley Hutchens

Page: **12**

Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74573	09/30/2014	SCS

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 100114DB1; Dup or Spiked Sample: 74552.01; LCS: Clean Sand; QC Prepared: 10/01/2014; QC Analyzed: 10/01/2014;
Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
TPH as Diesel (C13-C22)	0.00	500	523	105	500	509	102	2.90	75-125	<20
Surrogates										
Chlorobenzene	0.00	100	106	106	100	104	104	1.89	75-125	<20

QC Batch No: 100114DB1; Dup or Spiked Sample: 74552.01; LCS: Clean Sand; QC Prepared: 10/01/2014; QC Analyzed: 10/01/2014;
Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
TPH as Diesel (C13-C22)	500	527	105	500	516	103	1.92	75-125	<20	
Surrogates										
Chlorobenzene	100	105	105	100	104	104	<1	75-125	<20	



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Page: **13**

Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74573	09/30/2014	SCS

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 100114OB1; Dup or Spiked Sample: 74569.17AGA; LCS: Clean Sand; QC Prepared: 10/01/2014; MS Analyzed: 10/02/2014;
LCS Analyzed: 10/01/2014; Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
TPH as Gasoline and Light HC. (C4-C12)	0.00	1.00	0.330#	33.0	1.00	0.310#	30.6	7.55	75-125	<20
Surrogates										
Bromofluorobenzene	0.00	0.0500	0.0463	92.6	0.0500	0.0486	97.2	4.85	75-125	<20

QC Batch No: 100114OB1; Dup or Spiked Sample: 74569.17AGA; LCS: Clean Sand; QC Prepared: 10/01/2014; MS Analyzed: 10/02/2014;
LCS Analyzed: 10/01/2014; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
TPH as Gasoline and Light HC. (C4-C12)	1.00	0.790	78.7	1.00	0.770	76.8	2.44	75-125	<20	
Surrogates										
Bromofluorobenzene	0.0500	0.0486	97.2	0.0500	0.0477	95.4	1.85	75-125	<20	



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Data Qualifiers and Descriptors

Data Qualifier:

#:	Recovery is not within acceptable control limits.
*:	In the QC section, sample results have been taken directly from the ICP reading. No preparation factor has been applied.
B:	Analyte was present in the Method Blank.
D:	Result is from a diluted analysis.
E:	Result is beyond calibration limits and is estimated.
H:	Analysis was performed over the allowed holding time due to circumstances which were beyond laboratory control.
J:	Analyte was detected. However, the analyte concentration is an estimated value, which is between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).
M:	Matrix spike recovery is outside control limits due to matrix interference. Laboratory Control Sample recovery was acceptable.
MCL:	Maximum Contaminant Level
NS:	No Standard Available
S6:	Surrogate recovery is outside control limits due to matrix interference.
S8:	The analysis of the sample required a dilution such that the surrogate concentration was diluted below the method acceptance criteria.
X:	Results represent LCS and LCSD data.

Definition:

%Limi:	Percent acceptable limits.
%REC:	Percent recovery.
Con.L:	Acceptable Control Limits
Conce:	Added concentration to the sample.
LCS:	Laboratory Control Sample
MDL:	Method Detection Limit is a statistically derived number which is specific for each instrument, each method, and each compound. It indicates a distinctively detectable quantity with 99% probability.



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Data Qualifiers and Descriptors

MS:	Matrix Spike
MS DU:	Matrix Spike Duplicate
ND:	Analyte was not detected in the sample at or above MDL.
PQL:	Practical Quantitation Limit or ML (Minimum Level as per RWQCB) is the minimum concentration that can be quantified with more than 99% confidence. Taking into account all aspects of the entire analytical instrumentation and practice.
Recov:	Recovered concentration in the sample.
RPD:	Relative Percent Difference



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Number of Pages 13
Date Received 10/01/2014
Date Reported 10/08/2014

Telephone: (562)426-9544
Attention: Ashley Hutchens

Job Number	Order Date	Client
74587	10/01/2014	SCS

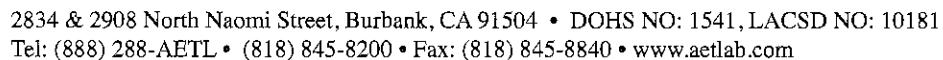
Project ID: 01210161.10
Project Name: Fmr Long Beach Public Service
Site: 1409 San Francisco Ave

Enclosed please find results of analyses of 1 soil sample which was analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By: _____

Approved By: _____

Cyrus Razmara, Ph.D.
Laboratory Director



Page 1 of 1

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator



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Page: 1 A

Ordered By

SCS Engineers
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Long Beach, CA 90806-6816

Project ID: 01210161.10
Date Received 10/01/2014
Date Reported 10/08/2014

Telephone: (562)426-9544
Attention: Ashley Hutchens

Job Number	Order Date	Client
74587	10/01/2014	SCS

CERTIFICATE OF ANALYSIS CASE NARRATIVE

AETL received 1 samples with the following specification on 10/01/2014.

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers		
74587.01	F-3	10/01/2014	Soil	1		
	Method ^ Submethod		Req Date	Priority	TAT	Units
	(6010B/7000CAM)		10/03/2014	3	Rush	mg/Kg
	(8260B)		10/03/2014	3	Rush	ug/Kg
	(M8015D) ^ C13-C40		10/03/2014	3	Rush	mg/Kg
	(M8015G)		10/03/2014	3	Rush	mg/Kg

The samples were analyzed as specified on the enclosed chain of custody. Analytical non-conformances have been noted on the report.

Unless otherwise noted, all results of soil and solid samples are based on wet weight.

Checked By: 

Approved By: 

Cyrus Razmara, Ph.D.
Laboratory Director



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ANALYTICAL RESULTS

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Telephone: (562)426-9544

Attn: Ashley Hutchens

Page: 2

Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74587	10/01/2014	SCS

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1002142A2

Our Lab I.D.			Method Blank	74587.01			
Client Sample I.D.				F-3			
Date Sampled				10/01/2014			
Date Prepared			10/02/2014	10/02/2014			
Preparation Method			5030	5030			
Date Analyzed			10/03/2014	10/03/2014			
Matrix			Soil	Soil			
Units			ug/Kg	ug/Kg			
Dilution Factor			1	1			
Analytes	MDL	PQL	Results	Results			
Acetone	25	50	ND	ND			
Benzene	1.0	10.0	ND	ND			
Bromobenzene (Phenyl bromide)	5.0	10.0	ND	ND			
Bromochloromethane	5.0	10.0	ND	ND			
Bromodichloromethane	5.0	10.0	ND	ND			
Bromoform (Tribromomethane)	25	50	ND	ND			
Bromomethane (Methyl bromide)	15	30	ND	ND			
2-Butanone (MEK)	25	50	ND	ND			
n-Butylbenzene	5.0	10.0	ND	ND			
sec-Butylbenzene	5.0	10.0	ND	ND			
tert-Butylbenzene	5.0	10.0	ND	ND			
Carbon Disulfide	25	50	ND	ND			
Carbon tetrachloride	5.0	10.0	ND	ND			
Chlorobenzene	5.0	10.0	ND	ND			
Chloroethane	15	30	ND	ND			
2-Chloroethyl vinyl ether	50	50	ND	ND			
Chloroform (Trichloromethane)	5.0	10.0	ND	ND			
Chloromethane (Methyl chloride)	15	30	ND	ND			
2-Chlorotoluene	5.0	10.0	ND	ND			
4-Chlorotoluene	5.0	10.0	ND	ND			
1,2-Dibromo-3-chloropropane (DBCP)	25	50	ND	ND			
Dibromochloromethane	5.0	10.0	ND	ND			
1,2-Dibromoethane (EDB)	5.0	10.0	ND	ND			
Dibromomethane	5.0	10.0	ND	ND			
1,2-Dichlorobenzene	5.0	10.0	ND	ND			
1,3-Dichlorobenzene	5.0	10.0	ND	ND			
1,4-Dichlorobenzene	5.0	10.0	ND	ND			



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ANALYTICAL RESULTS

Page: **3**

Project ID: 01210161.10
Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74587	10/01/2014	SCS

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1002142A2

Our Lab I.D.			Method Blank	74587.01			
Client Sample I.D.				F-3			
Date Sampled				10/01/2014			
Date Prepared			10/02/2014	10/02/2014			
Preparation Method			5030	5030			
Date Analyzed			10/03/2014	10/03/2014			
Matrix			Soil	Soil			
Units			ug/Kg	ug/Kg			
Dilution Factor			1	1			
Analytes	MDL	PQL	Results	Results			
Dichlorodifluoromethane	15	30	ND	ND			
1,1-Dichloroethane	5.0	10.0	ND	ND			
1,2-Dichloroethane (EDC)	5.0	10.0	ND	ND			
1,1-Dichloroethene	5.0	10.0	ND	ND			
cis-1,2-Dichloroethene	5.0	10.0	ND	ND			
trans-1,2-Dichloroethene	5.0	10.0	ND	ND			
1,2-Dichloropropane	5.0	10.0	ND	ND			
1,3-Dichloropropane	5.0	10.0	ND	ND			
2,2-Dichloropropane	5.0	10.0	ND	ND			
1,1-Dichloropropene	5.0	10.0	ND	ND			
cis-1,3-Dichloropropene	5.0	10.0	ND	ND			
trans-1,3-Dichloropropene	5.0	10.0	ND	ND			
Ethylbenzene	1.0	10.0	ND	ND			
Hexachlorobutadiene	15	30	ND	ND			
2-Hexanone	25	50	ND	ND			
Iodomethane	5.0	10.0	ND	ND			
Isopropylbenzene	5.0	10.0	ND	ND			
p-Isopropyltoluene	5.0	10.0	ND	ND			
4-Methyl-2-pentanone (MIBK)	25	50	ND	ND			
Methyl-tert-butyl ether (MTBE)	2.0	10.0	ND	ND			
Methylene chloride (DCM)	25	50	ND	ND			
Naphthalene	5.0	10.0	ND	ND			
n-Propylbenzene	5.0	10.0	ND	ND			
Styrene	5.0	10.0	ND	ND			
1,1,1,2-Tetrachloroethane	5.0	10.0	ND	ND			
1,1,2,2-Tetrachloroethane	5.0	10.0	ND	ND			
Tetrachloroethene	2.0	10.0	ND	ND			
Toluene (Methyl benzene)	1.0	10.0	ND	ND			
1,2,3-Trichlorobenzene	5.0	10.0	ND	ND			
1,2,4-Trichlorobenzene	5.0	10.0	ND	ND			
1,1,1-Trichloroethane	5.0	10.0	ND	ND			
1,1,2-Trichloroethane	5.0	10.0	ND	ND			
Trichloroethene	1.5	10.0	ND	ND			
Trichlorofluoromethane	5.0	10.0	ND	ND			



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ANALYTICAL RESULTS

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Project ID: 01210161.10
Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74587	10/01/2014	SCS

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1002142A2

Our Lab I.D.		Method Blank	74587.01			
Client Sample I.D.			F-3			
Date Sampled			10/01/2014			
Date Prepared		10/02/2014	10/02/2014			
Preparation Method		5030	5030			
Date Analyzed		10/03/2014	10/03/2014			
Matrix		Soil	Soil			
Units		ug/Kg	ug/Kg			
Dilution Factor		1	1			
Analytes	MDL	PQL	Results	Results		
1,2,3-Trichloropropane	5.0	10.0	ND	ND		
1,2,4-Trimethylbenzene	5.0	10.0	ND	ND		
1,3,5-Trimethylbenzene	5.0	10.0	ND	ND		
Vinyl Acetate	25	50	ND	ND		
Vinyl chloride (Chloroethene)	5.0	10.0	ND	ND		
o-Xylene	1.0	10.0	ND	ND		
m,p-Xylenes	1.0	20.0	ND	ND		
Our Lab I.D.		Method Blank	74587.01			
Surrogates	%Rec.Limit		% Rec.	% Rec.		
Bromofluorobenzene	75-125		97.3	92.8		
Dibromofluoromethane	75-125		107	89.5		
Toluene-d8	75-125		97.0	101		



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Attn: Ashley Hutchens

Page: **5**

Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74587	10/01/2014	SCS

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 100214NB1

Our Lab I.D.			Method Blank	74587.01			
Client Sample I.D.				F-3			
Date Sampled				10/01/2014			
Date Prepared			10/02/2014	10/02/2014			
Preparation Method			5030	5030			
Date Analyzed			10/02/2014	10/02/2014			
Matrix			Soil	Soil			
Units			mg/Kg	mg/Kg			
Dilution Factor			1	1			
Analytes	MDL	PQL	Results	Results			
TPH as Gasoline and Light HC. (C4-C12)	0.100	1.000	ND	ND			
Our Lab I.D.			Method Blank	74587.01			
Surrogates	%Rec.Limit		% Rec.	% Rec.			
Bromofluorobenzene	75-125		90.0	83.2			



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Page: **6**

Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74587	10/01/2014	SCS

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 100214DB1

Our Lab I.D.			Method Blank	74587.01			
Client Sample I.D.				F-3			
Date Sampled				10/01/2014			
Date Prepared			10/02/2014	10/02/2014			
Preparation Method			3550B	3550B			
Date Analyzed			10/02/2014	10/02/2014			
Matrix			Soil	Soil			
Units			mg/Kg	mg/Kg			
Dilution Factor			1	1			
Analytes	MDL	PQL	Results	Results			
TPH as Diesel (C13-C22)	1.0	5.0	ND	ND			
TPH as Heavy Hydrocarbons (C23-C40)	1.0	5.0	ND	ND			
TPH Total as Diesel and Heavy HC.C13-C40	1.0	5.0	ND	ND			
Our Lab I.D.			Method Blank	74587.01			
Surrogates	%Rec.Limit		% Rec.	% Rec.			
Chlorobenzene	75-125		112	112			



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Page: 7

Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74587	10/01/2014	SCS

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 1002141C1

Our Lab I.D.			Method Blank	74587.01			
Client Sample I.D.				F-3			
Date Sampled				10/01/2014			
Date Prepared			10/02/2014	10/02/2014			
Preparation Method			3050B	3050B			
Date Analyzed			10/02/2014	10/02/2014			
Matrix			Soil	Soil			
Units			mg/Kg	mg/Kg			
Dilution Factor			1	1			
Analytes		MDL	PQL	Results	Results		
Antimony		1.0	5.0	ND	ND		
Arsenic		1.0	5.0	ND	3.71J		
Barium		2.5	5.0	ND	60.6		
Beryllium		1.3	2.5	ND	ND		
Cadmium		1.3	2.5	ND	ND		
Chromium		2.5	5.0	ND	9.10		
Cobalt		2.5	5.0	ND	4.45J		
Copper		2.5	5.0	ND	9.24		
Lead		2.5	5.0	ND	2.60J		
Mercury (By EPA 7471)		0.1	0.2	ND	ND		
Molybdenum		2.5	5.0	ND	ND		
Nickel		2.5	5.0	ND	7.74		
Selenium		1.0	5.0	ND	ND		
Silver		2.5	5.0	ND	ND		
Thallium		1.0	5.0	ND	ND		
Vanadium		2.5	5.0	ND	16.5		
Zinc		2.5	5.0	ND	27.6		



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Page: 8

Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74587	10/01/2014	SCS

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 1002141C1; Dup or Spiked Sample: 74583.01; LCS: Clean Sand; QC Prepared: 10/02/2014; QC Analyzed: 10/02/2014;
Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Antimony	0.00	10.0	10.7	107	10.0	10.4	104	2.84	75-125	<15
Arsenic	5.95	10.0	14.8	88.5	10.0	14.6	86.5	2.29	75-125	<15
Barium	742	10.0	753	110	10.0	730 #	-120.0	4644	75-125	<15
Beryllium	0.00	10.0	9.39	93.9	10.0	9.59	95.9	2.11	75-125	<15
Cadmium	0.00	10.0	10.7	107	10.0	10.6	106	<1	75-125	<15
Chromium	17.3	10.0	26.5	92.0	10.0	25.3	80.0	14.0	75-125	<15
Cobalt	7.79	10.0	17.0	92.1	10.0	16.3	85.1	7.90	75-125	<15
Copper	28.9	10.0	37.3	84.0	10.0	36.3 #	74.0	12.7	75-125	<15
Lead	113	10.0	184 #	710	10.0	191 #	780	9.40	75-125	<15
Mercury (By EPA 7471)	0.00	0.500	0.655#	131	0.500	0.665#	133	1.5	75-125	<15
Molybdenum	0.367	10.0	10.5	101	10.0	10.5	101	<1	75-125	<15
Nickel	13.5	10.0	23.0	95.0	10.0	21.6	81.0	15.9	75-125	<15
Selenium	0.00	10.0	9.11	91.1	10.0	8.82	88.2	3.23	75-125	<15
Silver	0.00	10.0	9.87	98.7	10.0	9.76	97.6	1.12	75-125	<15
Thallium	0.00	10.0	9.91	99.1	10.0	9.98	99.8	<1	75-125	<15
Vanadium	29.7	10.0	42.5 #	128	10.0	41.5	118	8.13	75-125	<15
Zinc	584	10.0	583 #	-9.9	10.0	588 #	40.0	331.6	75-125	<15

QC Batch No: 1002141C1; Dup or Spiked Sample: 74583.01; LCS: Clean Sand; QC Prepared: 10/02/2014; QC Analyzed: 10/02/2014;
Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Antimony	10.0	9.69	96.9	10.0	9.66	96.6	<1	75-125	<15	
Arsenic	10.0	9.89	98.9	10.0	9.71	97.1	1.84	75-125	<15	
Barium	10.0	10.2	102	10.0	9.95	99.5	2.48	75-125	<15	
Beryllium	10.0	9.87	98.7	10.0	9.82	98.2	<1	75-125	<15	
Cadmium	10.0	9.82	98.2	10.0	9.85	98.5	<1	75-125	<15	
Chromium	10.0	10.3	103	10.0	10.1	101	1.96	75-125	<15	
Cobalt	10.0	10.1	101	10.0	10.3	103	1.96	75-125	<15	
Copper	10.0	10.1	101	10.0	10.1	101	<1	75-125	<15	



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QUALITY CONTROL RESULTS

Page: **9**

Project ID: 01210161.10
Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74587	10/01/2014	SCS

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 1002141C1; Dup or Spiked Sample: 74583.01; LCS: Clean Sand; QC Prepared: 10/02/2014; QC Analyzed: 10/02/2014;
Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Lead	10.0	9.56	95.6	10.0	9.70	97.0	1.45	75-125	<15	
Mercury (By EPA 7471)	0.500	0.600	120	0.500	0.605	121	<1	75-125	<15	
Molybdenum	10.0	9.83	98.3	10.0	9.83	98.3	<1	75-125	<15	
Nickel	10.0	10.1	101	10.0	10.2	102	<1	75-125	<15	
Selenium	10.0	9.90	99.0	10.0	9.63	96.3	2.76	75-125	<15	
Silver	10.0	9.74	97.4	10.0	9.81	98.1	<1	75-125	<15	
Thallium	10.0	9.52	95.2	10.0	9.61	96.1	<1	75-125	<15	
Vanadium	10.0	10.3	103	10.0	10.2	102	<1	75-125	<15	
Zinc	10.0	9.57	95.7	10.0	9.43	94.3	1.47	75-125	<15	



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QUALITY CONTROL RESULTS

Ordered By

Site

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Long Beach, CA 90806-6816

1409 San Francisco Ave

Telephone: (562)426-9544

Attn: Ashley Hutchens

Page: **10**

Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74587	10/01/2014	SCS

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1002142A2; Dup or Spiked Sample: 74584.01; LCS: Clean Sand; QC Prepared: 10/02/2014; MS Analyzed: 10/03/2014;
LCS Analyzed: 10/02/2014; Units: ug/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Benzene	0.00	50.0	38.6	77.2	50.0	38.7	77.4	<1	75-125	<20
Chlorobenzene	0.00	50.0	32.4 #	64.8	50.0	33.6 #	67.2	3.64	75-125	<20
1,1-Dichloroethene	0.00	50.0	39.3	78.6	50.0	40.8	81.6	3.75	75-125	<20
Methyl-tert-butyl ether (MTBE)	0.00	50.0	41.2	82.4	50.0	40.4	80.8	1.96	75-125	<20
Toluene (Methyl benzene)	0.00	50.0	36.1 #	72.2	50.0	38.0	76.0	5.13	75-125	<20
Trichloroethene	0.00	50.0	47.2	94.4	50.0	44.0	88.0	7.02	75-125	<20
Surrogates										
Bromofluorobenzene	0.00	50.0	46.7	93.3	50.0	48.4	96.8	3.75	75-125	<20
Dibromofluoromethane	0.00	50.0	47.8	95.6	50.0	48.7	97.4	1.88	75-125	<20
Toluene-d8	0.00	50.0	46.7	93.4	50.0	47.6	95.2	1.93	75-125	<20

QC Batch No: 1002142A2; Dup or Spiked Sample: 74584.01; LCS: Clean Sand; QC Prepared: 10/02/2014; MS Analyzed: 10/03/2014;
LCS Analyzed: 10/02/2014; Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Benzene	50.0	57.5	115	50.0	58.2	116	<1	75-125	<20	
Chlorobenzene	50.0	54.3	109	50.0	54.6	109	<1	75-125	<20	
1,1-Dichloroethene	50.0	57.5	115	50.0	55.7	111	3.54	75-125	<20	
Methyl-tert-butyl ether (MTBE)	50.0	61.2	122	50.0	59.6	119	2.49	75-125	<20	
Toluene (Methyl benzene)	50.0	57.4	115	50.0	57.6	115	<1	75-125	<20	
Trichloroethene	50.0	62.1	124	50.0	62.2	124	<1	75-125	<20	
LCS										
Chloroform (Trichloromethane)	50.0	58.2	116	50.0	60.0	120	3.39	75-125	<20	
Ethylbenzene	50.0	57.6	115	50.0	57.7	115	<1	75-125	<20	
1,1,1-Trichloroethane	50.0	61.8	124	50.0	62.5	125	<1	75-125	<20	
o-Xylene	50.0	54.3	109	50.0	53.8	108	<1	75-125	<20	
m,p-Xylenes	100	118	118	100	120	120	1.68	75-125	<20	
Surrogates										
Bromofluorobenzene	50.0	50.1	100	50.0	48.2	96.4	3.60	75-125	<20	
Dibromofluoromethane	50.0	49.0	98.0	50.0	49.2	98.3	<1	75-125	<20	



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QUALITY CONTROL RESULTS

Page: **11**

Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74587	10/01/2014	SCS

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1002142A2; Dup or Spiked Sample: 74584.01; LCS: Clean Sand; QC Prepared: 10/02/2014; MS Analyzed: 10/03/2014;
LCS Analyzed: 10/02/2014; Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Toluene-d8	50.0	47.6	95.2	50.0	48.5	97.0	1.89	75-125	<20	



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QUALITY CONTROL RESULTS

Ordered By

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1409 San Francisco Ave

Telephone: (562)426-9544

Attn: Ashley Hutchens

Page: **12**

Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74587	10/01/2014	SCS

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 100214DB1; Dup or Spiked Sample: 74558.04; LCS: Clean Sand; QC Prepared: 10/02/2014; QC Analyzed: 10/02/2014;
Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
TPH as Diesel (C13-C22)	0.00	500	495	99.0	500	499	99.8	<1	75-125	<20
Surrogates										
Chlorobenzene	0.00	100	98.7	98.7	100	102	102	3.34	75-125	<20

QC Batch No: 100214DB1; Dup or Spiked Sample: 74558.04; LCS: Clean Sand; QC Prepared: 10/02/2014; QC Analyzed: 10/02/2014;
Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
TPH as Diesel (C13-C22)	500	517	103	500	508	102	<1	75-125	<20	
Surrogates										
Chlorobenzene	100	107	107	100	106	106	<1	75-125	<20	



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Attn: Ashley Hutchens

Page: **13**

Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74587	10/01/2014	SCS

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 100214NB1; Dup or Spiked Sample: 74587.01AGA; LCS: Clean Sand; QC Prepared: 10/02/2014; QC Analyzed: 10/02/2014;
Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
TPH as Gasoline and Light HC. (C4-C12)	0.00	1.00	0.790	79.2	1.00	0.790	79.2	<1	75-125	<20
Surrogates										
Bromofluorobenzene	0.00	0.0500	0.0481	96.2	0.0500	0.0510	102	6.03	75-125	<20

QC Batch No: 100214NB1; Dup or Spiked Sample: 74587.01AGA; LCS: Clean Sand; QC Prepared: 10/02/2014; QC Analyzed: 10/02/2014;
Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
TPH as Gasoline and Light HC. (C4-C12)	1.00	0.890	88.7	1.00	0.890	89.1	<1	75-125	<20	
Surrogates										
Bromofluorobenzene	0.0500	0.0508	102	0.0500	0.0434	86.8	16.1	75-125	<20	



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Data Qualifiers and Descriptors

Data Qualifier:

#:	Recovery is not within acceptable control limits.
*:	In the QC section, sample results have been taken directly from the ICP reading. No preparation factor has been applied.
B:	Analyte was present in the Method Blank.
D:	Result is from a diluted analysis.
E:	Result is beyond calibration limits and is estimated.
H:	Analysis was performed over the allowed holding time due to circumstances which were beyond laboratory control.
J:	Analyte was detected. However, the analyte concentration is an estimated value, which is between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).
M:	Matrix spike recovery is outside control limits due to matrix interference. Laboratory Control Sample recovery was acceptable.
MCL:	Maximum Contaminant Level
NS:	No Standard Available
S6:	Surrogate recovery is outside control limits due to matrix interference.
S8:	The analysis of the sample required a dilution such that the surrogate concentration was diluted below the method acceptance criteria.
X:	Results represent LCS and LCSD data.

Definition:

%Limi:	Percent acceptable limits.
%REC:	Percent recovery.
Con.L:	Acceptable Control Limits
Conce:	Added concentration to the sample.
LCS:	Laboratory Control Sample
MDL:	Method Detection Limit is a statistically derived number which is specific for each instrument, each method, and each compound. It indicates a distinctively detectable quantity with 99% probability.



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Data Qualifiers and Descriptors

MS:	Matrix Spike
MS DU:	Matrix Spike Duplicate
ND:	Analyte was not detected in the sample at or above MDL.
PQL:	Practical Quantitation Limit or ML (Minimum Level as per RWQCB) is the minimum concentration that can be quantified with more than 99% confidence. Taking into account all aspects of the entire analytical instrumentation and practice.
Recov:	Recovered concentration in the sample.
RPD:	Relative Percent Difference



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Long Beach, CA 90806-6816

Number of Pages 12
Date Received 10/02/2014
Date Reported 10/06/2014

Telephone: (562)426-9544
Attention: Ashley Hutchens

Job Number	Order Date	Client
74605	10/02/2014	SCS

Project ID: 01210161.10
Project Name: Fmr Long Beach Public Service
Site: 1409 San Francisco Ave

Enclosed please find results of analyses of 1 soil sample which was analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By: 

Approved By: 

Cyrus Razmara, Ph.D.
Laboratory Director



American Environmental Testing Laboratory Inc.

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CHAIN OF CUSTODY RECORD

No 88803

Page 1 of 1

COMPANY SCS Engineers	PROJECT MANAGER Ashley Hutchings
COMPANY ADDRESS 3900 Kilroy Airport Way	PHONE 562-426-5544
PROJECT NAME Long Beach Public Service Yard	FAX
SITE NAME AND ADDRESS 1405 San Francisco Ave	PROJECT # 01210161.10
	PO #

AETL JOB No. **77605**

ANALYSIS REQUESTED

TEST INSTRUCTIONS & COMMENTS

SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.
1. f-4	77605-01	10-2-14	2:45	Soil	Jar	Ice
2.						
3.						
4.						
5.						
6.						
7.						
8.						
9.						
10.						
11.						
12.						
13.						
14.						
15.						

VOCs (8260B)
TPH (8015m)
T.H.e 22 metals

SAMPLE RECEIPT - TO BE FILLED BY LABORATORY

TOTAL NUMBER OF CONTAINERS	1	PROPERLY COOLED Y/N/NA	
CUSTODY SEALS Y/N/NA	2	SAMPLES INTACT Y/N/NA	
RECEIVED IN GOOD COND. Y/N	Y	SAMPLES ACCEPTED Y/N	Y

TURN AROUND TIME

DATA DELIVERABLE REQUIRED

☒ NORMAL ☐ RUSH ☐ SAME DAY
☐ NEXT DAY
☒ 2 DAYS
☐ 3 DAYS

☐ HARD COPY
☒ PDF
☐ GEOTRACKER (GLOBAL ID)
☐ OTHER (PLEASE SPECIFY)

RELINQUISHED BY

SAMPLER:

Signature: *[Signature]*

Printed Name: *[Signature]*

Date: *10/2/14* Time: *1555*

RECEIVED BY:

Signature: *[Signature]*

Printed Name: *CHARLON DUMILA*

Date: *10/2/14* Time: *1555*

1.

RELINQUISHED BY:

Signature:

Printed Name:

Date:

Time:

RECEIVED BY:

Signature:

Printed Name:

Date:

Time:

2.

RELINQUISHED BY:

Signature:

Printed Name:

Date:

Time:

RECEIVED BY:

Signature:

Printed Name:

Date:

Time:

3.

RECEIVED BY:

Signature:

Printed Name:

Date:

Time:



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Page: 1 A

Ordered By

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Long Beach, CA 90806-6816

Project ID: 01210161.10
Date Received 10/02/2014
Date Reported 10/06/2014

Telephone: (562)426-9544
Attention: Ashley Hutchens

Job Number	Order Date	Client
74605	10/02/2014	SCS

CERTIFICATE OF ANALYSIS CASE NARRATIVE

AETL received 1 samples with the following specification on 10/02/2014.

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers		
74605.01	F-4	10/02/2014	Soil	1		
	Method ^ Submethod		Req Date	Priority	TAT	Units
	(6010B/7000CAM)		10/06/2014	3	Rush	mg/Kg
	(8260B)		10/06/2014	3	Rush	ug/Kg
	(M8015D) ^ C13-C40		10/06/2014	3	Rush	mg/Kg
	(M8015G)		10/06/2014	3	Rush	mg/Kg

The samples were analyzed as specified on the enclosed chain of custody. Analytical non-conformances have been noted on the report.

Unless otherwise noted, all results of soil and solid samples are based on wet weight.

Checked By: 

Approved By: 

Cyrus Razmara, Ph.D.
Laboratory Director



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ANALYTICAL RESULTS

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Site

1409 San Francisco Ave

Telephone: (562)426-9544

Attn: Ashley Hutchens

Page: 2

Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74605	10/02/2014	SCS

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1003142A2

Our Lab I.D.			Method Blank	74605.01			
Client Sample I.D.				F-4			
Date Sampled				10/02/2014			
Date Prepared			10/03/2014	10/03/2014			
Preparation Method			5030	5030			
Date Analyzed			10/04/2014	10/04/2014			
Matrix			Soil	Soil			
Units			ug/Kg	ug/Kg			
Dilution Factor			1	1			
Analytes	MDL	PQL	Results	Results			
Acetone	25	50	ND	ND			
Benzene	1.0	10.0	ND	ND			
Bromobenzene (Phenyl bromide)	5.0	10.0	ND	ND			
Bromochloromethane	5.0	10.0	ND	ND			
Bromodichloromethane	5.0	10.0	ND	ND			
Bromoform (Tribromomethane)	25	50	ND	ND			
Bromomethane (Methyl bromide)	15	30	ND	ND			
2-Butanone (MEK)	25	50	ND	ND			
n-Butylbenzene	5.0	10.0	ND	ND			
sec-Butylbenzene	5.0	10.0	ND	ND			
tert-Butylbenzene	5.0	10.0	ND	ND			
Carbon Disulfide	25	50	ND	ND			
Carbon tetrachloride	5.0	10.0	ND	ND			
Chlorobenzene	5.0	10.0	ND	ND			
Chloroethane	15	30	ND	ND			
2-Chloroethyl vinyl ether	50	50	ND	ND			
Chloroform (Trichloromethane)	5.0	10.0	ND	ND			
Chloromethane (Methyl chloride)	15	30	ND	ND			
2-Chlorotoluene	5.0	10.0	ND	ND			
4-Chlorotoluene	5.0	10.0	ND	ND			
1,2-Dibromo-3-chloropropane (DBCP)	25	50	ND	ND			
Dibromochloromethane	5.0	10.0	ND	ND			
1,2-Dibromoethane (EDB)	5.0	10.0	ND	ND			
Dibromomethane	5.0	10.0	ND	ND			
1,2-Dichlorobenzene	5.0	10.0	ND	ND			
1,3-Dichlorobenzene	5.0	10.0	ND	ND			
1,4-Dichlorobenzene	5.0	10.0	ND	ND			



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ANALYTICAL RESULTS

Page: **3**

Project ID: 01210161.10
Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74605	10/02/2014	SCS

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1003142A2

Our Lab I.D.			Method Blank	74605.01			
Client Sample I.D.				F-4			
Date Sampled				10/02/2014			
Date Prepared			10/03/2014	10/03/2014			
Preparation Method			5030	5030			
Date Analyzed			10/04/2014	10/04/2014			
Matrix			Soil	Soil			
Units			ug/Kg	ug/Kg			
Dilution Factor			1	1			
Analytes	MDL	PQL	Results	Results			
Dichlorodifluoromethane	15	30	ND	ND			
1,1-Dichloroethane	5.0	10.0	ND	ND			
1,2-Dichloroethane (EDC)	5.0	10.0	ND	ND			
1,1-Dichloroethene	5.0	10.0	ND	ND			
cis-1,2-Dichloroethene	5.0	10.0	ND	ND			
trans-1,2-Dichloroethene	5.0	10.0	ND	ND			
1,2-Dichloropropane	5.0	10.0	ND	ND			
1,3-Dichloropropane	5.0	10.0	ND	ND			
2,2-Dichloropropane	5.0	10.0	ND	ND			
1,1-Dichloropropene	5.0	10.0	ND	ND			
cis-1,3-Dichloropropene	5.0	10.0	ND	ND			
trans-1,3-Dichloropropene	5.0	10.0	ND	ND			
Ethylbenzene	1.0	10.0	ND	ND			
Hexachlorobutadiene	15	30	ND	ND			
2-Hexanone	25	50	ND	ND			
Iodomethane	5.0	10.0	ND	ND			
Isopropylbenzene	5.0	10.0	ND	ND			
p-Isopropyltoluene	5.0	10.0	ND	ND			
4-Methyl-2-pentanone (MIBK)	25	50	ND	ND			
Methyl-tert-butyl ether (MTBE)	2.0	10.0	ND	ND			
Methylene chloride (DCM)	25	50	ND	ND			
Naphthalene	5.0	10.0	ND	ND			
n-Propylbenzene	5.0	10.0	ND	ND			
Styrene	5.0	10.0	ND	ND			
1,1,1,2-Tetrachloroethane	5.0	10.0	ND	ND			
1,1,2,2-Tetrachloroethane	5.0	10.0	ND	ND			
Tetrachloroethene	2.0	10.0	ND	ND			
Toluene (Methyl benzene)	1.0	10.0	ND	ND			
1,2,3-Trichlorobenzene	5.0	10.0	ND	ND			
1,2,4-Trichlorobenzene	5.0	10.0	ND	ND			
1,1,1-Trichloroethane	5.0	10.0	ND	ND			
1,1,2-Trichloroethane	5.0	10.0	ND	ND			
Trichloroethene	1.5	10.0	ND	ND			
Trichlorofluoromethane	5.0	10.0	ND	ND			



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ANALYTICAL RESULTS

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Project ID: 01210161.10
Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74605	10/02/2014	SCS

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1003142A2

Our Lab I.D.			Method Blank	74605.01			
Client Sample I.D.				F-4			
Date Sampled				10/02/2014			
Date Prepared			10/03/2014	10/03/2014			
Preparation Method			5030	5030			
Date Analyzed			10/04/2014	10/04/2014			
Matrix			Soil	Soil			
Units			ug/Kg	ug/Kg			
Dilution Factor			1	1			
Analytes	MDL	PQL	Results	Results			
1,2,3-Trichloropropane	5.0	10.0	ND	ND			
1,2,4-Trimethylbenzene	5.0	10.0	ND	ND			
1,3,5-Trimethylbenzene	5.0	10.0	ND	ND			
Vinyl Acetate	25	50	ND	ND			
Vinyl chloride (Chloroethene)	5.0	10.0	ND	ND			
o-Xylene	1.0	10.0	ND	ND			
m,p-Xylenes	1.0	20.0	ND	ND			
Our Lab I.D.			Method Blank	74605.01			
Surrogates	%Rec.Limit		% Rec.	% Rec.			
Bromofluorobenzene	75-125		96.4	100			
Dibromofluoromethane	75-125		108	90.2			
Toluene-d8	75-125		97.0	105			



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1409 San Francisco Ave

Telephone: (562)426-9544

Attn: Ashley Hutchens

Page: **5**

Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74605	10/02/2014	SCS

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 100314NB1

Our Lab I.D.			Method Blank	74605.01			
Client Sample I.D.				F-4			
Date Sampled				10/02/2014			
Date Prepared			10/03/2014	10/03/2014			
Preparation Method			5030	5030			
Date Analyzed			10/03/2014	10/03/2014			
Matrix			Soil	Soil			
Units			mg/Kg	mg/Kg			
Dilution Factor			1	1			
Analytes	MDL	PQL	Results	Results			
TPH as Gasoline and Light HC. (C4-C12)	0.100	1.000	ND	ND			
Our Lab I.D.			Method Blank	74605.01			
Surrogates	%Rec.Limit		% Rec.	% Rec.			
Bromofluorobenzene	75-125		95.6	93.8			



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Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74605	10/02/2014	SCS

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 100314DB1

Our Lab I.D.			Method Blank	74605.01			
Client Sample I.D.				F-4			
Date Sampled				10/02/2014			
Date Prepared			10/03/2014	10/03/2014			
Preparation Method			3550B	3550B			
Date Analyzed			10/03/2014	10/03/2014			
Matrix			Soil	Soil			
Units			mg/Kg	mg/Kg			
Dilution Factor			1	1			
Analytes		MDL	PQL	Results	Results		
TPH as Diesel (C13-C22)		1.0	5.0	ND	13.8		
TPH as Heavy Hydrocarbons (C23-C40)		1.0	5.0	ND	ND		
TPH Total as Diesel and Heavy HC.C13-C40		1.0	5.0	ND	13.8		
Our Lab I.D.				Method Blank	74605.01		
Surrogates		%Rec.Limit		% Rec.	% Rec.		
Chlorobenzene		75-125		112	113		



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Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74605	10/02/2014	SCS

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 1004141C2

Our Lab I.D.			Method Blank	74605.01			
Client Sample I.D.				F-4			
Date Sampled				10/02/2014			
Date Prepared			10/04/2014	10/04/2014			
Preparation Method			3050B	3050B			
Date Analyzed			10/05/2014	10/05/2014			
Matrix			Soil	Soil			
Units			mg/Kg	mg/Kg			
Dilution Factor			1	1			
Analytes	MDL	PQL	Results	Results			
Antimony	1.0	5.0	ND	ND			
Arsenic	1.0	5.0	ND	4.45J			
Barium	2.5	5.0	ND	64.0			
Beryllium	1.3	2.5	ND	ND			
Cadmium	1.3	2.5	ND	ND			
Chromium	2.5	5.0	ND	12.6			
Cobalt	2.5	5.0	ND	5.64			
Copper	2.5	5.0	ND	12.5			
Lead	2.5	5.0	ND	5.49			
Mercury (By EPA 7471)	0.1	0.2	ND	ND			
Molybdenum	2.5	5.0	ND	ND			
Nickel	2.5	5.0	ND	10.2			
Selenium	1.0	5.0	ND	ND			
Silver	2.5	5.0	ND	ND			
Thallium	1.0	5.0	ND	ND			
Vanadium	2.5	5.0	ND	21.5			
Zinc	2.5	5.0	ND	36.8			



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Page: 8

Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74605	10/02/2014	SCS

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 1004141C2; Dup or Spiked Sample: 74605.01; LCS: Clean Sand; QC Prepared: 10/04/2014; QC Analyzed: 10/05/2014;
Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Antimony	0.00	10.0	9.94	99.4	10.0	10.0	100	<1	75-125	<15
Arsenic	4.45	10.0	13.1	86.5	10.0	13.5	90.5	4.52	75-125	<15
Barium	64.0	10.0	68.6 M	46.0	10.0	70.5 M	65.0	34.2	75-125	<15
Beryllium	0.00	10.0	9.31	93.1	10.0	9.22	92.2	<1	75-125	<15
Cadmium	0.00	10.0	9.31	93.1	10.0	9.02	90.2	3.16	75-125	<15
Chromium	12.6	10.0	20.4	78.0	10.0	20.6	80.0	2.53	75-125	<15
Cobalt	5.64	10.0	14.6	89.6	10.0	15.2	95.6	6.48	75-125	<15
Copper	12.5	10.0	20.6	81.0	10.0	20.4	79.0	2.50	75-125	<15
Lead	5.49	10.0	10.9 M	54.1	10.0	11.1 M	56.1	3.63	75-125	<15
Mercury (By EPA 7471)	0.00	0.500	0.540	108	0.500	0.540	108	<1	75-125	<15
Molybdenum	0.00	10.0	9.77	97.7	10.0	9.70	97.0	<1	75-125	<15
Nickel	10.2	10.0	19.5	93.0	10.0	19.0	88.0	5.52	75-125	<15
Selenium	0.00	10.0	8.34	83.4	10.0	8.45	84.5	1.31	75-125	<15
Silver	0.00	10.0	9.36	93.6	10.0	9.29	92.9	<1	75-125	<15
Thallium	0.00	10.0	7.74	77.4	10.0	7.85	78.5	1.41	75-125	<15
Vanadium	21.5	10.0	28.2 M	67.0	10.0	28.9 M	74.0	9.93	75-125	<15
Zinc	36.8	10.0	41.2 M	44.0	10.0	42.2 M	54.0	20.4	75-125	<15

QC Batch No: 1004141C2; Dup or Spiked Sample: 74605.01; LCS: Clean Sand; QC Prepared: 10/04/2014; QC Analyzed: 10/05/2014;
Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Antimony	10.0	9.65	96.5	10.0	9.84	98.4	1.95	75-125	<15	
Arsenic	10.0	10.2	102	10.0	9.94	99.4	2.58	75-125	<15	
Barium	10.0	9.44	94.4	10.0	9.45	94.5	<1	75-125	<15	
Beryllium	10.0	9.71	97.1	10.0	10.1	101	3.94	75-125	<15	
Cadmium	10.0	9.25	92.5	10.0	9.33	93.3	<1	75-125	<15	
Chromium	10.0	9.98	99.8	10.0	10.3	103	3.16	75-125	<15	
Cobalt	10.0	10.1	101	10.0	10.5	105	3.88	75-125	<15	
Copper	10.0	9.76	97.6	10.0	10.4	104	6.35	75-125	<15	



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QUALITY CONTROL RESULTS

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Project ID: 01210161.10
Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74605	10/02/2014	SCS

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 1004141C2; Dup or Spiked Sample: 74605.01; LCS: Clean Sand; QC Prepared: 10/04/2014; QC Analyzed: 10/05/2014;
Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Lead	10.0	8.21	82.1	10.0	7.99	79.9	2.72	75-125	<15	
Mercury (By EPA 7471)	0.500	0.520	104	0.500	0.515	103	<1	75-125	<15	
Molybdenum	10.0	9.64	96.4	10.0	9.88	98.8	2.46	75-125	<15	
Nickel	10.0	10.3	103	10.0	10.4	104	<1	75-125	<15	
Selenium	10.0	9.49	94.9	10.0	9.23	92.3	2.78	75-125	<15	
Silver	10.0	9.46	94.6	10.0	9.75	97.5	3.02	75-125	<15	
Thallium	10.0	7.82	78.2	10.0	8.00	80.0	2.28	75-125	<15	
Vanadium	10.0	9.74	97.4	10.0	10.0	100	2.63	75-125	<15	
Zinc	10.0	9.77	97.7	10.0	10.3	103	5.28	75-125	<15	



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Page: **10**

Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74605	10/02/2014	SCS

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1003142A2; Dup or Spiked Sample: 74601.01; LCS: Clean Sand; LCS Prepared: 10/03/2014; LCS Analyzed: 10/04/2014;
Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Benzene	50.0	56.7	113	50.0	55.5	111	1.79	75-125	<20	
Chlorobenzene	50.0	53.2	106	50.0	52.4	105	<1	75-125	<20	
1,1-Dichloroethene	50.0	59.1	118	50.0	60.4	121	2.51	75-125	<20	
Methyl-tert-butyl ether (MTBE)	50.0	58.6	117	50.0	60.1	120	2.53	75-125	<20	
Toluene (Methyl benzene)	50.0	56.6	113	50.0	55.6	111	1.79	75-125	<20	
Trichloroethene	50.0	58.1	116	50.0	58.2	116	<1	75-125	<20	
LCS										
Chloroform (Trichloromethane)	50.0	55.7	111	50.0	54.5	109	1.82	75-125	<20	
Ethylbenzene	50.0	55.0	110	50.0	54.0	108	1.83	75-125	<20	
1,1,1-Trichloroethane	50.0	62.5	125	50.0	61.5	123	1.61	75-125	<20	
o-Xylene	50.0	51.4	103	50.0	52.2	104	<1	75-125	<20	
m,p-Xylenes	100	114	114	100	113	113	<1	75-125	<20	
Surrogates										
Bromofluorobenzene	50.0	46.8	93.7	50.0	48.8	97.5	4.06	75-125	<20	
Dibromofluoromethane	50.0	47.7	95.4	50.0	48.9	97.7	2.41	75-125	<20	
Toluene-d8	50.0	48.1	96.1	50.0	48.8	97.5	1.46	75-125	<20	



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Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74605	10/02/2014	SCS

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 100314DB1; Dup or Spiked Sample: 74585.02; LCS: Clean Sand; QC Prepared: 10/03/2014; QC Analyzed: 10/03/2014;
Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
TPH as Diesel (C13-C22)	0.00	500	540	108	500	528	106	1.87	75-125	<20
Surrogates										
Chlorobenzene	0.00	100	105	105	100	105	105	<1	75-125	<20

QC Batch No: 100314DB1; Dup or Spiked Sample: 74585.02; LCS: Clean Sand; QC Prepared: 10/03/2014; QC Analyzed: 10/03/2014;
Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
TPH as Diesel (C13-C22)	500	538	108	500	530	106	1.87	75-125	<20	
Surrogates										
Chlorobenzene	100	108	108	100	108	108	<1	75-125	<20	



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Page: **12**

Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74605	10/02/2014	SCS

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 100314NB1; Dup or Spiked Sample: 74585.02AGA; LCS: Clean Sand; QC Prepared: 10/03/2014; QC Analyzed: 10/03/2014;
Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
TPH as Gasoline and Light HC. (C4-C12)	0.00	1.00	0.800	80.0	1.00	0.900	90.3	12.1	75-125	<20
Surrogates										
Bromofluorobenzene	0.00	0.0500	0.0476	95.2	0.0500	0.0558	112	17.6	75-125	<20

QC Batch No: 100314NB1; Dup or Spiked Sample: 74585.02AGA; LCS: Clean Sand; QC Prepared: 10/03/2014; QC Analyzed: 10/03/2014;
Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
TPH as Gasoline and Light HC. (C4-C12)	1.00	0.760	76.0	1.00	0.850	84.9	11.1	75-125	<20	
Surrogates										
Bromofluorobenzene	0.0500	0.0425	85.0	0.0500	0.0482	96.4	12.6	75-125	<20	



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Data Qualifiers and Descriptors

Data Qualifier:

#:	Recovery is not within acceptable control limits.
*:	In the QC section, sample results have been taken directly from the ICP reading. No preparation factor has been applied.
B:	Analyte was present in the Method Blank.
D:	Result is from a diluted analysis.
E:	Result is beyond calibration limits and is estimated.
H:	Analysis was performed over the allowed holding time due to circumstances which were beyond laboratory control.
J:	Analyte was detected. However, the analyte concentration is an estimated value, which is between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).
M:	Matrix spike recovery is outside control limits due to matrix interference. Laboratory Control Sample recovery was acceptable.
MCL:	Maximum Contaminant Level
NS:	No Standard Available
S6:	Surrogate recovery is outside control limits due to matrix interference.
S8:	The analysis of the sample required a dilution such that the surrogate concentration was diluted below the method acceptance criteria.
X:	Results represent LCS and LCSD data.

Definition:

%Limi:	Percent acceptable limits.
%REC:	Percent recovery.
Con.L:	Acceptable Control Limits
Conce:	Added concentration to the sample.
LCS:	Laboratory Control Sample
MDL:	Method Detection Limit is a statistically derived number which is specific for each instrument, each method, and each compound. It indicates a distinctively detectable quantity with 99% probability.



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Data Qualifiers and Descriptors

MS:	Matrix Spike
MS DU:	Matrix Spike Duplicate
ND:	Analyte was not detected in the sample at or above MDL.
PQL:	Practical Quantitation Limit or ML (Minimum Level as per RWQCB) is the minimum concentration that can be quantified with more than 99% confidence. Taking into account all aspects of the entire analytical instrumentation and practice.
Recov:	Recovered concentration in the sample.
RPD:	Relative Percent Difference



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Number of Pages 13
Date Received 10/03/2014
Date Reported 10/07/2014

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Job Number	Order Date	Client
74621	10/03/2014	SCS

Project ID: 01210161.10
Project Name: Fmr Long Beach Public Service
Site: 1409 San Francisco Ave

Enclosed please find results of analyses of 1 soil sample which was analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By: _____

Approved By: _____

Cyrus Razmara, Ph.D.
Laboratory Director



American Environmental Testing Laboratory Inc.

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CHAIN OF CUSTODY RECORD

No 89106

COMPANY <u>SCS Engineers</u>		PROJECT MANAGER <u>Ashley Hutchins</u>		AETL JOB No. <u>74621</u>		Page <u>1</u> of <u>1</u>				
COMPANY ADDRESS <u>3900 Kilroy Airport Way</u>		PHONE <u>562-426-9544</u>		ANALYSIS REQUESTED		TEST INSTRUCTIONS & COMMENTS				
PROJECT NAME <u>Long Beach Public Service Yard</u>		FAX								
SITE NAME AND ADDRESS <u>1405 San Francisco Ave</u>		PROJECT # <u>01810161.10</u>		VOCs (82605) TPH (8015m) Heavy Metals						
PO #										
SAMPLE ID	LAB ID	DATE	TIME					MATRIX	CONTAINER NUMBER/SIZE	PRES.
1 F.5	74621.01	10/3/14	12:45					SOIL	dar	Ice
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										

SAMPLE RECEIPT - TO BE FILLED BY LABORATORY				RELINQUISHED BY: 1.		RELINQUISHED BY: 2.		RELINQUISHED BY: 3.	
TOTAL NUMBER OF CONTAINERS	<u>1</u>	PROPERLY COOLED	<u>Y</u> / N / NA	Signature:	<u>[Signature]</u>	Signature:	<u>[Signature]</u>	Signature:	<u>[Signature]</u>
CUSTODY SEALS	<u>Y</u> / N / NA	SAMPLES INTACT	<u>Y</u> / N / NA	Printed Name:	<u>Cash Bartusik</u>	Printed Name:	<u>[Signature]</u>	Printed Name:	<u>C. Bartusik</u>
RECEIVED IN GOOD COND.	<u>Y</u> / N	SAMPLES ACCEPTED	<u>Y</u> / N	Date:	<u>10/3/14</u>	Date:	<u>10/3/14</u>	Date:	<u>10/3/14</u>
TURN AROUND TIME				RECEIVED BY: 1.		RECEIVED BY: 2.		RECEIVED BY: 3.	
☒ NORMAL ☐ RUSH ☐ SAME DAY ☐ NEXT DAY ☒ 2 DAYS ☐ 3 DAYS				DATA DELIVERABLE REQUIRED		DATA DELIVERABLE REQUIRED		DATA DELIVERABLE REQUIRED	
				☐ HARD COPY ☒ PDF ☐ GEOTRACKER (GLOBAL ID) _____ ☐ OTHER (PLEASE SPECIFY) _____		☐ HARD COPY ☒ PDF ☐ GEOTRACKER (GLOBAL ID) _____ ☐ OTHER (PLEASE SPECIFY) _____		☐ HARD COPY ☒ PDF ☐ GEOTRACKER (GLOBAL ID) _____ ☐ OTHER (PLEASE SPECIFY) _____	
				Signature:		Signature:		Signature:	
				Printed Name:		Printed Name:		Printed Name:	
				Date:		Date:		Date:	
				Time:		Time:		Time:	

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator



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Page: 1 A

Ordered By

SCS Engineers
3900 Kilroy Airport Way Suite 100
Long Beach, CA 90806-6816

Project ID: 01210161.10

Date Received 10/03/2014

Date Reported 10/07/2014

Telephone: (562)426-9544
Attention: Ashley Hutchens

Job Number	Order Date	Client
74621	10/03/2014	SCS

CERTIFICATE OF ANALYSIS CASE NARRATIVE

AETL received 1 samples with the following specification on 10/03/2014.

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers		
74621.01	F-5	10/03/2014	Soil	1		
	Method ^ Submethod		Req Date	Priority	TAT	Units
	(6010B/7000CAM)		10/06/2014	2	Rush	mg/Kg
	(8260B)		10/06/2014	2	Rush	ug/Kg
	(M8015D) ^ C13-C40		10/06/2014	2	Rush	mg/Kg
	(M8015G)		10/06/2014	2	Rush	mg/Kg

The samples were analyzed as specified on the enclosed chain of custody. Analytical non-conformances have been noted on the report.

Unless otherwise noted, all results of soil and solid samples are based on wet weight.

Checked By: _____

Approved By: _____

Cyrus Razmara, Ph.D.
Laboratory Director



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ANALYTICAL RESULTS

Ordered By

SCS Engineers
3900 Kilroy Airport Way
Suite 100
Long Beach, CA 90806-6816

Site

1409 San Francisco Ave

Telephone: (562)426-9544

Attn: Ashley Hutchens

Page: 2

Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74621	10/03/2014	SCS

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1006142A1

Our Lab I.D.			Method Blank	74621.01			
Client Sample I.D.				F-5			
Date Sampled				10/03/2014			
Date Prepared			10/06/2014	10/06/2014			
Preparation Method			5030	5030			
Date Analyzed			10/06/2014	10/06/2014			
Matrix			Soil	Soil			
Units			ug/Kg	ug/Kg			
Dilution Factor			1	1			
Analytes	MDL	PQL	Results	Results			
Acetone	25	50	ND	ND			
Benzene	1.0	10.0	ND	ND			
Bromobenzene (Phenyl bromide)	5.0	10.0	ND	ND			
Bromochloromethane	5.0	10.0	ND	ND			
Bromodichloromethane	5.0	10.0	ND	ND			
Bromoform (Tribromomethane)	25	50	ND	ND			
Bromomethane (Methyl bromide)	15	30	ND	ND			
2-Butanone (MEK)	25	50	ND	ND			
n-Butylbenzene	5.0	10.0	ND	ND			
sec-Butylbenzene	5.0	10.0	ND	ND			
tert-Butylbenzene	5.0	10.0	ND	ND			
Carbon Disulfide	25	50	ND	ND			
Carbon tetrachloride	5.0	10.0	ND	ND			
Chlorobenzene	5.0	10.0	ND	ND			
Chloroethane	15	30	ND	ND			
2-Chloroethyl vinyl ether	50	50	ND	ND			
Chloroform (Trichloromethane)	5.0	10.0	ND	ND			
Chloromethane (Methyl chloride)	15	30	ND	ND			
2-Chlorotoluene	5.0	10.0	ND	ND			
4-Chlorotoluene	5.0	10.0	ND	ND			
1,2-Dibromo-3-chloropropane (DBCP)	25	50	ND	ND			
Dibromochloromethane	5.0	10.0	ND	ND			
1,2-Dibromoethane (EDB)	5.0	10.0	ND	ND			
Dibromomethane	5.0	10.0	ND	ND			
1,2-Dichlorobenzene	5.0	10.0	ND	ND			
1,3-Dichlorobenzene	5.0	10.0	ND	ND			
1,4-Dichlorobenzene	5.0	10.0	ND	ND			



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ANALYTICAL RESULTS

Page: **3**

Project ID: 01210161.10
Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74621	10/03/2014	SCS

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1006142A1

Our Lab I.D.			Method Blank	74621.01			
Client Sample I.D.				F-5			
Date Sampled				10/03/2014			
Date Prepared			10/06/2014	10/06/2014			
Preparation Method			5030	5030			
Date Analyzed			10/06/2014	10/06/2014			
Matrix			Soil	Soil			
Units			ug/Kg	ug/Kg			
Dilution Factor			1	1			
Analytes	MDL	PQL	Results	Results			
Dichlorodifluoromethane	15	30	ND	ND			
1,1-Dichloroethane	5.0	10.0	ND	ND			
1,2-Dichloroethane (EDC)	5.0	10.0	ND	ND			
1,1-Dichloroethene	5.0	10.0	ND	ND			
cis-1,2-Dichloroethene	5.0	10.0	ND	ND			
trans-1,2-Dichloroethene	5.0	10.0	ND	ND			
1,2-Dichloropropane	5.0	10.0	ND	ND			
1,3-Dichloropropane	5.0	10.0	ND	ND			
2,2-Dichloropropane	5.0	10.0	ND	ND			
1,1-Dichloropropene	5.0	10.0	ND	ND			
cis-1,3-Dichloropropene	5.0	10.0	ND	ND			
trans-1,3-Dichloropropene	5.0	10.0	ND	ND			
Ethylbenzene	1.0	10.0	ND	ND			
Hexachlorobutadiene	15	30	ND	ND			
2-Hexanone	25	50	ND	ND			
Iodomethane	5.0	10.0	ND	ND			
Isopropylbenzene	5.0	10.0	ND	ND			
p-Isopropyltoluene	5.0	10.0	ND	ND			
4-Methyl-2-pentanone (MIBK)	25	50	ND	ND			
Methyl-tert-butyl ether (MTBE)	2.0	10.0	ND	ND			
Methylene chloride (DCM)	25	50	ND	ND			
Naphthalene	5.0	10.0	ND	ND			
n-Propylbenzene	5.0	10.0	ND	ND			
Styrene	5.0	10.0	ND	ND			
1,1,1,2-Tetrachloroethane	5.0	10.0	ND	ND			
1,1,2,2-Tetrachloroethane	5.0	10.0	ND	ND			
Tetrachloroethene	2.0	10.0	ND	ND			
Toluene (Methyl benzene)	1.0	10.0	ND	ND			
1,2,3-Trichlorobenzene	5.0	10.0	ND	ND			
1,2,4-Trichlorobenzene	5.0	10.0	ND	ND			
1,1,1-Trichloroethane	5.0	10.0	ND	ND			
1,1,2-Trichloroethane	5.0	10.0	ND	ND			
Trichloroethene	1.5	10.0	ND	ND			
Trichlorofluoromethane	5.0	10.0	ND	ND			



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ANALYTICAL RESULTS

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Project ID: 01210161.10
Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74621	10/03/2014	SCS

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1006142A1

Our Lab I.D.			Method Blank	74621.01			
Client Sample I.D.				F-5			
Date Sampled				10/03/2014			
Date Prepared			10/06/2014	10/06/2014			
Preparation Method			5030	5030			
Date Analyzed			10/06/2014	10/06/2014			
Matrix			Soil	Soil			
Units			ug/Kg	ug/Kg			
Dilution Factor			1	1			
Analytes	MDL	PQL	Results	Results			
1,2,3-Trichloropropane	5.0	10.0	ND	ND			
1,2,4-Trimethylbenzene	5.0	10.0	ND	ND			
1,3,5-Trimethylbenzene	5.0	10.0	ND	ND			
Vinyl Acetate	25	50	ND	ND			
Vinyl chloride (Chloroethene)	5.0	10.0	ND	ND			
o-Xylene	1.0	10.0	ND	ND			
m,p-Xylenes	1.0	20.0	ND	ND			
Our Lab I.D.			Method Blank	74621.01			
Surrogates	%Rec.Limit		% Rec.	% Rec.			
Bromofluorobenzene	75-125		101	98.1			
Dibromofluoromethane	75-125		104	91.8			
Toluene-d8	75-125		104	104			



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ANALYTICAL RESULTS

Ordered By

Site

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Long Beach, CA 90806-6816

1409 San Francisco Ave

Telephone: (562)426-9544

Attn: Ashley Hutchens

Page: **5**

Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74621	10/03/2014	SCS

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 100614NB1

Our Lab I.D.			Method Blank	74621.01			
Client Sample I.D.				F-5			
Date Sampled				10/03/2014			
Date Prepared			10/06/2014	10/06/2014			
Preparation Method			5030	5030			
Date Analyzed			10/06/2014	10/06/2014			
Matrix			Soil	Soil			
Units			mg/Kg	mg/Kg			
Dilution Factor			1	1			
Analytes	MDL	PQL	Results	Results			
TPH as Gasoline and Light HC. (C4-C12)	0.100	1.000	ND	ND			
Our Lab I.D.			Method Blank	74621.01			
Surrogates	%Rec.Limit		% Rec.	% Rec.			
Bromofluorobenzene	75-125		90.0	84.0			



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ANALYTICAL RESULTS

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Attn: Ashley Hutchens

Page: **6**

Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74621	10/03/2014	SCS

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 100614DB1

Our Lab I.D.			Method Blank	74621.01			
Client Sample I.D.				F-5			
Date Sampled				10/03/2014			
Date Prepared			10/06/2014	10/06/2014			
Preparation Method			3550B	3550B			
Date Analyzed			10/06/2014	10/07/2014			
Matrix			Soil	Soil			
Units			mg/Kg	mg/Kg			
Dilution Factor			1	1			
Analytes		MDL	PQL	Results	Results		
TPH as Diesel (C13-C22)		1.0	5.0	ND	ND		
TPH as Heavy Hydrocarbons (C23-C40)		1.0	5.0	ND	ND		
TPH Total as Diesel and Heavy HC.C13-C40		1.0	5.0	ND	ND		
Our Lab I.D.				Method Blank	74621.01		
Surrogates		%Rec.Limit		% Rec.	% Rec.		
Chlorobenzene		75-125		120	125		



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ANALYTICAL RESULTS

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Site

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Telephone: (562)426-9544

Attn: Ashley Hutchens

Page: 7

Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74621	10/03/2014	SCS

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 1004141C2

Our Lab I.D.			Method Blank	74621.01			
Client Sample I.D.				F-5			
Date Sampled				10/03/2014			
Date Prepared			10/04/2014	10/04/2014			
Preparation Method			3050B	3050B			
Date Analyzed			10/05/2014	10/05/2014			
Matrix			Soil	Soil			
Units			mg/Kg	mg/Kg			
Dilution Factor			1	1			
Analytes	MDL	PQL	Results	Results			
Antimony	1.0	5.0	ND	ND			
Arsenic	1.0	5.0	ND	4.38J			
Barium	2.5	5.0	ND	57.5			
Beryllium	1.3	2.5	ND	ND			
Cadmium	1.3	2.5	ND	ND			
Chromium	2.5	5.0	ND	10.3			
Cobalt	2.5	5.0	ND	4.77J			
Copper	2.5	5.0	ND	10.0			
Lead	2.5	5.0	ND	2.70J			
Mercury (By EPA 7471)	0.1	0.2	ND	ND			
Molybdenum	2.5	5.0	ND	ND			
Nickel	2.5	5.0	ND	8.83			
Selenium	1.0	5.0	ND	ND			
Silver	2.5	5.0	ND	ND			
Thallium	1.0	5.0	ND	ND			
Vanadium	2.5	5.0	ND	17.5			
Zinc	2.5	5.0	ND	39.5			



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QUALITY CONTROL RESULTS

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Site

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Telephone: (562)426-9544

Attn: Ashley Hutchens

Page: 8

Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74621	10/03/2014	SCS

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 1004141C2; Dup or Spiked Sample: 74605.01; LCS: Clean Sand; QC Prepared: 10/04/2014; QC Analyzed: 10/05/2014;
Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Antimony	0.00	10.0	9.94	99.4	10.0	10.0	100	<1	75-125	<15
Arsenic	4.45	10.0	13.1	86.5	10.0	13.5	90.5	4.52	75-125	<15
Barium	64.0	10.0	68.6 #	46.0	10.0	70.5 #	65.0	34.2	75-125	<15
Beryllium	0.00	10.0	9.31	93.1	10.0	9.22	92.2	<1	75-125	<15
Cadmium	0.00	10.0	9.31	93.1	10.0	9.02	90.2	3.16	75-125	<15
Chromium	12.6	10.0	20.4	78.0	10.0	20.6	80.0	2.53	75-125	<15
Cobalt	5.64	10.0	14.6	89.6	10.0	15.2	95.6	6.48	75-125	<15
Copper	12.5	10.0	20.6	81.0	10.0	20.4	79.0	2.50	75-125	<15
Lead	5.49	10.0	10.9 #	54.1	10.0	11.1 #	56.1	3.63	75-125	<15
Mercury (By EPA 7471)	0.00	0.500	0.540	108	0.500	0.540	108	<1	75-125	<15
Molybdenum	0.00	10.0	9.77	97.7	10.0	9.70	97.0	<1	75-125	<15
Nickel	10.2	10.0	19.5	93.0	10.0	19.0	88.0	5.52	75-125	<15
Selenium	0.00	10.0	8.34	83.4	10.0	8.45	84.5	1.31	75-125	<15
Silver	0.00	10.0	9.36	93.6	10.0	9.29	92.9	<1	75-125	<15
Thallium	0.00	10.0	7.74	77.4	10.0	7.85	78.5	1.41	75-125	<15
Vanadium	21.5	10.0	28.2 #	67.0	10.0	28.9 #	74.0	9.93	75-125	<15
Zinc	36.8	10.0	41.2 #	44.0	10.0	42.2 #	54.0	20.4	75-125	<15

QC Batch No: 1004141C2; Dup or Spiked Sample: 74605.01; LCS: Clean Sand; QC Prepared: 10/04/2014; QC Analyzed: 10/05/2014;
Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Antimony	10.0	9.65	96.5	10.0	9.84	98.4	1.95	75-125	<15	
Arsenic	10.0	10.2	102	10.0	9.94	99.4	2.58	75-125	<15	
Barium	10.0	9.44	94.4	10.0	9.45	94.5	<1	75-125	<15	
Beryllium	10.0	9.71	97.1	10.0	10.1	101	3.94	75-125	<15	
Cadmium	10.0	9.25	92.5	10.0	9.33	93.3	<1	75-125	<15	
Chromium	10.0	9.98	99.8	10.0	10.3	103	3.16	75-125	<15	
Cobalt	10.0	10.1	101	10.0	10.5	105	3.88	75-125	<15	
Copper	10.0	9.76	97.6	10.0	10.4	104	6.35	75-125	<15	



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QUALITY CONTROL RESULTS

Page: **9**

Project ID: 01210161.10
Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74621	10/03/2014	SCS

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 1004141C2; Dup or Spiked Sample: 74605.01; LCS: Clean Sand; QC Prepared: 10/04/2014; QC Analyzed: 10/05/2014;
Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Lead	10.0	8.21	82.1	10.0	7.99	79.9	2.72	75-125	<15	
Mercury (By EPA 7471)	0.500	0.520	104	0.500	0.515	103	<1	75-125	<15	
Molybdenum	10.0	9.64	96.4	10.0	9.88	98.8	2.46	75-125	<15	
Nickel	10.0	10.3	103	10.0	10.4	104	<1	75-125	<15	
Selenium	10.0	9.49	94.9	10.0	9.23	92.3	2.78	75-125	<15	
Silver	10.0	9.46	94.6	10.0	9.75	97.5	3.02	75-125	<15	
Thallium	10.0	7.82	78.2	10.0	8.00	80.0	2.28	75-125	<15	
Vanadium	10.0	9.74	97.4	10.0	10.0	100	2.63	75-125	<15	
Zinc	10.0	9.77	97.7	10.0	10.3	103	5.28	75-125	<15	



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1409 San Francisco Ave

Telephone: (562)426-9544

Attn: Ashley Hutchens

Page: **10**

Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74621	10/03/2014	SCS

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1006142A1; Dup or Spiked Sample: 74631.04; LCS: Clean Sand; QC Prepared: 10/06/2014; QC Analyzed: 10/06/2014;
Units: ug/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Benzene	0.00	50.0	34.7 #	69.4	50.0	38.4	76.8	10.1	75-125	<20
Chlorobenzene	0.00	50.0	30.6 #	61.2	50.0	34.4 #	68.8	11.7	75-125	<20
1,1-Dichloroethene	0.00	50.0	33.7 #	67.4	50.0	38.3	76.6	12.8	75-125	<20
Methyl-tert-butyl ether (MTBE)	0.00	50.0	39.0	78.0	50.0	40.5	81.0	3.77	75-125	<20
Toluene (Methyl benzene)	0.00	50.0	32.9 #	65.8	50.0	36.6 #	73.2	10.6	75-125	<20
Trichloroethene	0.00	50.0	34.0 #	68.0	50.0	39.0	78.0	13.7	75-125	<20
Surrogates										
Bromofluorobenzene	0.00	50.0	50.0	100	50.0	51.0	102	2.00	75-125	<20
Dibromofluoromethane	0.00	50.0	46.7	93.3	50.0	47.8	95.5	2.36	75-125	<20
Toluene-d8	0.00	50.0	49.4	98.8	50.0	50.0	100	1.21	75-125	<20

QC Batch No: 1006142A1; Dup or Spiked Sample: 74631.04; LCS: Clean Sand; QC Prepared: 10/06/2014; QC Analyzed: 10/06/2014;
Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Benzene	50.0	51.0	102	50.0	51.3	103	<1	75-125	<20	
Chlorobenzene	50.0	50.0	100	50.0	48.8	98.0	2.02	75-125	<20	
1,1-Dichloroethene	50.0	53.4	107	50.0	51.6	103	3.81	75-125	<20	
Methyl-tert-butyl ether (MTBE)	50.0	52.0	104	50.0	52.9	106	1.90	75-125	<20	
Toluene (Methyl benzene)	50.0	52.1	104	50.0	51.4	103	<1	75-125	<20	
Trichloroethene	50.0	53.2	106	50.0	50.9	102	3.85	75-125	<20	
LCS										
Chloroform (Trichloromethane)	50.0	51.0	102	50.0	50.2	100	1.98	75-125	<20	
Ethylbenzene	50.0	52.2	104	50.0	51.3	103	<1	75-125	<20	
1,1,1-Trichloroethane	50.0	57.5	115	50.0	56.9	114	<1	75-125	<20	
o-Xylene	50.0	50.3	101	50.0	49.2	98.0	3.02	75-125	<20	
m,p-Xylenes	100	107	107	100	107	107	<1	75-125	<20	
Surrogates										
Bromofluorobenzene	50.0	51.1	102	50.0	50.7	101	<1	75-125	<20	
Dibromofluoromethane	50.0	47.1	94.1	50.0	44.7	89.5	4.89	75-125	<20	



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QUALITY CONTROL RESULTS

Page: **11**

Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74621	10/03/2014	SCS

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1006142A1; Dup or Spiked Sample: 74631.04; LCS: Clean Sand; QC Prepared: 10/06/2014; QC Analyzed: 10/06/2014;
Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Toluene-d8	50.0	48.4	96.7	50.0	47.7	95.5	1.24	75-125	<20	



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Attn: Ashley Hutchens

Page: **12**

Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74621	10/03/2014	SCS

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 100614DB1; Dup or Spiked Sample: 74619.04; LCS: Clean Sand; QC Prepared: 10/06/2014; MS Analyzed: 10/07/2014;
LCS Analyzed: 10/06/2014; Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
TPH as Diesel (C13-C22)	0.00	500	534	107	500	531	106	<1	75-125	<20
Surrogates										
Chlorobenzene	0.00	100	115	115	100	120	120	4.35	75-125	<20

QC Batch No: 100614DB1; Dup or Spiked Sample: 74619.04; LCS: Clean Sand; QC Prepared: 10/06/2014; MS Analyzed: 10/07/2014;
LCS Analyzed: 10/06/2014; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit						
TPH as Diesel (C13-C22)	500	528	106	75-125						
Surrogates										
Chlorobenzene	100	119	119	75-125						



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Attn: Ashley Hutchens

Page: **13**

Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74621	10/03/2014	SCS

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 100614NB1; Dup or Spiked Sample: 74619.07AGA; LCS: Clean Sand; QC Prepared: 10/06/2014; QC Analyzed: 10/06/2014;
Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
TPH as Gasoline and Light HC. (C4-C12)	0.00	1.00	0.710#	70.5	1.00	0.630#	63.2	10.9	75-125	<20
Surrogates										
Bromofluorobenzene	0.00	0.0500	0.0472	94.4	0.0500	0.0445	89.0	5.72	75-125	<20

QC Batch No: 100614NB1; Dup or Spiked Sample: 74619.07AGA; LCS: Clean Sand; QC Prepared: 10/06/2014; QC Analyzed: 10/06/2014;
Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
TPH as Gasoline and Light HC. (C4-C12)	1.00	0.830	82.5	1.00	0.850	84.6	2.51	75-125	<20	
Surrogates										
Bromofluorobenzene	0.0500	0.0434	86.8	0.0500	0.0439	87.8	1.15	75-125	<20	



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Data Qualifiers and Descriptors

Data Qualifier:

#:	Recovery is not within acceptable control limits.
*:	In the QC section, sample results have been taken directly from the ICP reading. No preparation factor has been applied.
B:	Analyte was present in the Method Blank.
D:	Result is from a diluted analysis.
E:	Result is beyond calibration limits and is estimated.
H:	Analysis was performed over the allowed holding time due to circumstances which were beyond laboratory control.
J:	Analyte was detected. However, the analyte concentration is an estimated value, which is between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).
M:	Matrix spike recovery is outside control limits due to matrix interference. Laboratory Control Sample recovery was acceptable.
MCL:	Maximum Contaminant Level
NS:	No Standard Available
S6:	Surrogate recovery is outside control limits due to matrix interference.
S8:	The analysis of the sample required a dilution such that the surrogate concentration was diluted below the method acceptance criteria.
X:	Results represent LCS and LCSD data.

Definition:

%Limi:	Percent acceptable limits.
%REC:	Percent recovery.
Con.L:	Acceptable Control Limits
Conce:	Added concentration to the sample.
LCS:	Laboratory Control Sample
MDL:	Method Detection Limit is a statistically derived number which is specific for each instrument, each method, and each compound. It indicates a distinctively detectable quantity with 99% probability.



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Data Qualifiers and Descriptors

MS:	Matrix Spike
MS DU:	Matrix Spike Duplicate
ND:	Analyte was not detected in the sample at or above MDL.
PQL:	Practical Quantitation Limit or ML (Minimum Level as per RWQCB) is the minimum concentration that can be quantified with more than 99% confidence. Taking into account all aspects of the entire analytical instrumentation and practice.
Recov:	Recovered concentration in the sample.
RPD:	Relative Percent Difference



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Number of Pages 13
Date Received 10/08/2014
Date Reported 10/14/2014

Telephone: (562)426-9544
Attention: Ashley Hutchens

Job Number	Order Date	Client
74671	10/08/2014	SCS

Project ID: 01210161.10
Project Name: Fmr Long Beach Public Service
Site: 1409 San Francisco Ave

Enclosed please find results of analyses of 1 soil sample which was analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By: _____

Approved By: _____

Cyrus Razmara, Ph.D.
Laboratory Director

CHAIN OF CUSTODY RECORD

[illegible]



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Page: 1 A

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Project ID: 01210161.10
Date Received 10/08/2014
Date Reported 10/14/2014

Telephone: (562)426-9544
Attention: Ashley Hutchens

Job Number	Order Date	Client
74671	10/08/2014	SCS

CERTIFICATE OF ANALYSIS CASE NARRATIVE

AETL received 1 samples with the following specification on 10/08/2014.

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers		
74671.01	F-6	10/06/2014	Soil	1		
	Method ^ Submethod		Req Date	Priority	TAT	Units
	(6010B/7000CAM)		10/15/2014	2	Normal	mg/Kg
	(8260B)		10/15/2014	2	Normal	ug/Kg
	(M8015D) ^ C13-C40		10/15/2014	2	Normal	mg/Kg
	(M8015G)		10/15/2014	2	Normal	mg/Kg

The samples were analyzed as specified on the enclosed chain of custody. Analytical non-conformances have been noted on the report.

Unless otherwise noted, all results of soil and solid samples are based on wet weight.

Checked By: 

Approved By: 

Cyrus Razmara, Ph.D.
Laboratory Director



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ANALYTICAL RESULTS

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Site

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Telephone: (562)426-9544

Attn: Ashley Hutchens

Page: 2

Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74671	10/08/2014	SCS

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1009142A1

Our Lab I.D.			Method Blank	74671.01			
Client Sample I.D.				F-6			
Date Sampled				10/06/2014			
Date Prepared			10/09/2014	10/09/2014			
Preparation Method			5030	5030			
Date Analyzed			10/09/2014	10/09/2014			
Matrix			Soil	Soil			
Units			ug/Kg	ug/Kg			
Dilution Factor			1	1			
Analytes	MDL	PQL	Results	Results			
Acetone	25	50	ND	ND			
Benzene	1.0	10.0	ND	ND			
Bromobenzene (Phenyl bromide)	5.0	10.0	ND	ND			
Bromochloromethane	5.0	10.0	ND	ND			
Bromodichloromethane	5.0	10.0	ND	ND			
Bromoform (Tribromomethane)	25	50	ND	ND			
Bromomethane (Methyl bromide)	15	30	ND	ND			
2-Butanone (MEK)	25	50	ND	ND			
n-Butylbenzene	5.0	10.0	ND	ND			
sec-Butylbenzene	5.0	10.0	ND	ND			
tert-Butylbenzene	5.0	10.0	ND	ND			
Carbon Disulfide	25	50	ND	ND			
Carbon tetrachloride	5.0	10.0	ND	ND			
Chlorobenzene	5.0	10.0	ND	ND			
Chloroethane	15	30	ND	ND			
2-Chloroethyl vinyl ether	50	50	ND	ND			
Chloroform (Trichloromethane)	5.0	10.0	ND	ND			
Chloromethane (Methyl chloride)	15	30	ND	ND			
2-Chlorotoluene	5.0	10.0	ND	ND			
4-Chlorotoluene	5.0	10.0	ND	ND			
1,2-Dibromo-3-chloropropane (DBCP)	25	50	ND	ND			
Dibromochloromethane	5.0	10.0	ND	ND			
1,2-Dibromoethane (EDB)	5.0	10.0	ND	ND			
Dibromomethane	5.0	10.0	ND	ND			
1,2-Dichlorobenzene	5.0	10.0	ND	ND			
1,3-Dichlorobenzene	5.0	10.0	ND	ND			
1,4-Dichlorobenzene	5.0	10.0	ND	ND			



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ANALYTICAL RESULTS

Page: **3**

Project ID: 01210161.10
Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74671	10/08/2014	SCS

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1009142A1

Our Lab I.D.		Method Blank	74671.01			
Client Sample I.D.			F-6			
Date Sampled			10/06/2014			
Date Prepared		10/09/2014	10/09/2014			
Preparation Method		5030	5030			
Date Analyzed		10/09/2014	10/09/2014			
Matrix		Soil	Soil			
Units		ug/Kg	ug/Kg			
Dilution Factor		1	1			
Analytes	MDL	PQL	Results	Results		
Dichlorodifluoromethane	15	30	ND	ND		
1,1-Dichloroethane	5.0	10.0	ND	ND		
1,2-Dichloroethane (EDC)	5.0	10.0	ND	ND		
1,1-Dichloroethene	5.0	10.0	ND	ND		
cis-1,2-Dichloroethene	5.0	10.0	ND	ND		
trans-1,2-Dichloroethene	5.0	10.0	ND	ND		
1,2-Dichloropropane	5.0	10.0	ND	ND		
1,3-Dichloropropane	5.0	10.0	ND	ND		
2,2-Dichloropropane	5.0	10.0	ND	ND		
1,1-Dichloropropene	5.0	10.0	ND	ND		
cis-1,3-Dichloropropene	5.0	10.0	ND	ND		
trans-1,3-Dichloropropene	5.0	10.0	ND	ND		
Ethylbenzene	1.0	10.0	ND	ND		
Hexachlorobutadiene	15	30	ND	ND		
2-Hexanone	25	50	ND	ND		
Iodomethane	5.0	10.0	ND	ND		
Isopropylbenzene	5.0	10.0	ND	ND		
p-Isopropyltoluene	5.0	10.0	ND	ND		
4-Methyl-2-pentanone (MIBK)	25	50	ND	ND		
Methyl-tert-butyl ether (MTBE)	2.0	10.0	ND	ND		
Methylene chloride (DCM)	25	50	ND	ND		
Naphthalene	5.0	10.0	ND	ND		
n-Propylbenzene	5.0	10.0	ND	ND		
Styrene	5.0	10.0	ND	ND		
1,1,1,2-Tetrachloroethane	5.0	10.0	ND	ND		
1,1,2,2-Tetrachloroethane	5.0	10.0	ND	ND		
Tetrachloroethene	2.0	10.0	ND	ND		
Toluene (Methyl benzene)	1.0	10.0	ND	ND		
1,2,3-Trichlorobenzene	5.0	10.0	ND	ND		
1,2,4-Trichlorobenzene	5.0	10.0	ND	ND		
1,1,1-Trichloroethane	5.0	10.0	ND	ND		
1,1,2-Trichloroethane	5.0	10.0	ND	ND		
Trichloroethene	1.5	10.0	ND	ND		
Trichlorofluoromethane	5.0	10.0	ND	ND		



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ANALYTICAL RESULTS

Page: 4

Project ID: 01210161.10
Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74671	10/08/2014	SCS

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1009142A1

Our Lab I.D.		Method Blank	74671.01			
Client Sample I.D.			F-6			
Date Sampled			10/06/2014			
Date Prepared		10/09/2014	10/09/2014			
Preparation Method		5030	5030			
Date Analyzed		10/09/2014	10/09/2014			
Matrix		Soil	Soil			
Units		ug/Kg	ug/Kg			
Dilution Factor		1	1			
Analytes	MDL	PQL	Results	Results		
1,2,3-Trichloropropane	5.0	10.0	ND	ND		
1,2,4-Trimethylbenzene	5.0	10.0	ND	ND		
1,3,5-Trimethylbenzene	5.0	10.0	ND	ND		
Vinyl Acetate	25	50	ND	ND		
Vinyl chloride (Chloroethene)	5.0	10.0	ND	ND		
o-Xylene	1.0	10.0	ND	ND		
m,p-Xylenes	1.0	20.0	ND	ND		
Our Lab I.D.		Method Blank	74671.01			
Surrogates	%Rec.Limit		% Rec.	% Rec.		
Bromofluorobenzene	75-125		98.3	85.7		
Dibromofluoromethane	75-125		109	84.0		
Toluene-d8	75-125		104	109		



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Telephone: (562)426-9544

Attn: Ashley Hutchens

Page: **5**

Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74671	10/08/2014	SCS

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 100914NB1

Our Lab I.D.			Method Blank	74671.01			
Client Sample I.D.				F-6			
Date Sampled				10/06/2014			
Date Prepared			10/09/2014	10/09/2014			
Preparation Method			5030	5030			
Date Analyzed			10/09/2014	10/09/2014			
Matrix			Soil	Soil			
Units			mg/Kg	mg/Kg			
Dilution Factor			1	1			
Analytes	MDL	PQL	Results	Results			
TPH as Gasoline and Light HC. (C4-C12)	0.100	1.000	ND	ND			
Our Lab I.D.			Method Blank	74671.01			
Surrogates	%Rec.Limit		% Rec.	% Rec.			
Bromofluorobenzene	75-125		86.0	91.0			



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Attn: Ashley Hutchens

Page: 6

Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74671	10/08/2014	SCS

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 100914DB1

Our Lab I.D.			Method Blank	74671.01			
Client Sample I.D.				F-6			
Date Sampled				10/06/2014			
Date Prepared			10/09/2014	10/09/2014			
Preparation Method			3550B	3550B			
Date Analyzed			10/09/2014	10/09/2014			
Matrix			Soil	Soil			
Units			mg/Kg	mg/Kg			
Dilution Factor			1	1			
Analytes		MDL	PQL	Results	Results		
TPH as Diesel (C13-C22)		1.0	5.0	ND	ND		
TPH as Heavy Hydrocarbons (C23-C40)		1.0	5.0	ND	ND		
TPH Total as Diesel and Heavy HC.C13-C40		1.0	5.0	ND	ND		
Our Lab I.D.				Method Blank	74671.01		
Surrogates		%Rec.Limit		% Rec.	% Rec.		
Chlorobenzene		75-125		113	113		



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ANALYTICAL RESULTS

Ordered By

Site

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1409 San Francisco Ave

Telephone: (562)426-9544

Attn: Ashley Hutchens

Page: 7

Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74671	10/08/2014	SCS

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 1008142C2

Our Lab I.D.			Method Blank	74671.01			
Client Sample I.D.				F-6			
Date Sampled				10/06/2014			
Date Prepared			10/08/2014	10/08/2014			
Preparation Method			3050B	3050B			
Date Analyzed			10/09/2014	10/09/2014			
Matrix			Soil	Soil			
Units			mg/Kg	mg/Kg			
Dilution Factor			1	1			
Analytes	MDL	PQL	Results	Results			
Antimony	1.0	5.0	ND	ND			
Arsenic	1.0	5.0	ND	4.51J			
Barium	2.5	5.0	ND	84.4			
Beryllium	1.3	2.5	ND	ND			
Cadmium	1.3	2.5	ND	ND			
Chromium	2.5	5.0	ND	15.0			
Cobalt	2.5	5.0	ND	7.95			
Copper	2.5	5.0	ND	15.3			
Lead	2.5	5.0	ND	3.89J			
Mercury (By EPA 7471)	0.1	0.2	ND	ND			
Molybdenum	2.5	5.0	ND	ND			
Nickel	2.5	5.0	ND	12.3			
Selenium	1.0	5.0	ND	ND			
Silver	2.5	5.0	ND	ND			
Thallium	1.0	5.0	ND	ND			
Vanadium	2.5	5.0	ND	30.1			
Zinc	2.5	5.0	ND	34.8			



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QUALITY CONTROL RESULTS

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Page: 8

Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74671	10/08/2014	SCS

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 1008142C2; Dup or Spiked Sample: 74642.01; LCS: Clean Sand; QC Prepared: 10/08/2014; QC Analyzed: 10/09/2014;
Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Antimony	0.00	50.0	43.9	87.7	50.0	44.7	89.3	1.8	75-125	<15
Arsenic	0.00	50.0	42.0	84.0	50.0	42.8	85.6	1.9	75-125	<15
Barium	41.0	50.0	77.3 #	72.6	50.0	78.6	75.2	3.5	75-125	<15
Beryllium	0.00	50.0	45.4	90.8	50.0	46.2	92.4	1.7	75-125	<15
Cadmium	0.00	50.0	41.6	83.1	50.0	42.4	84.7	1.9	75-125	<15
Chromium	9.02	50.0	52.1	86.2	50.0	52.8	87.6	1.6	75-125	<15
Cobalt	3.63	50.0	43.1	78.9	50.0	43.7	80.1	1.5	75-125	<15
Copper	4.90	50.0	50.2	90.6	50.0	50.8	91.8	1.3	75-125	<15
Lead	1.39	50.0	40.4	78.0	50.0	40.9	79.0	1.3	75-125	<15
Mercury (By EPA 7471)	0.00	0.500	0.414	82.8	0.500	0.412	82.4	<1	75-125	<15
Molybdenum	0.494	50.0	45.0	89.0	50.0	45.4	89.8	<1	75-125	<15
Nickel	2.79	50.0	43.1	80.6	50.0	43.8	82.0	1.7	75-125	<15
Selenium	0.00	50.0	41.9	83.7	50.0	43.0	85.9	2.6	75-125	<15
Silver	0.00	50.0	42.9	85.8	50.0	43.4	86.8	1.2	75-125	<15
Thallium	0.00	50.0	35.4 #	70.8	50.0	35.8 #	71.6	1.1	75-125	<15
Vanadium	18.6	50.0	62.9	88.6	50.0	63.7	90.2	1.8	75-125	<15
Zinc	17.2	50.0	57.5	80.6	50.0	58.5	82.6	2.5	75-125	<15

QC Batch No: 1008142C2; Dup or Spiked Sample: 74642.01; LCS: Clean Sand; QC Prepared: 10/08/2014; QC Analyzed: 10/09/2014;
Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Antimony	50.0	47.5	95.0	50.0	47.0	94.0	1.1	75-125	<15	
Arsenic	50.0	47.2	94.3	50.0	46.5	93.0	1.4	75-125	<15	
Barium	50.0	47.5	95.0	50.0	45.9	91.7	3.5	75-125	<15	
Beryllium	50.0	49.8	99.6	50.0	49.0	98.0	1.6	75-125	<15	
Cadmium	50.0	47.8	95.5	50.0	45.9	91.8	4.0	75-125	<15	
Chromium	50.0	46.6	93.2	50.0	44.9	89.8	3.7	75-125	<15	
Cobalt	50.0	42.9	85.7	50.0	42.2	84.3	1.6	75-125	<15	
Copper	50.0	45.1	90.1	50.0	44.0	88.0	2.4	75-125	<15	



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QUALITY CONTROL RESULTS

Page: **9**

Project ID: 01210161.10
Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74671	10/08/2014	SCS

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 1008142C2; Dup or Spiked Sample: 74642.01; LCS: Clean Sand; QC Prepared: 10/08/2014; QC Analyzed: 10/09/2014;
Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Lead	50.0	43.7	87.3	50.0	42.9	85.8	1.7	75-125	<15	
Mercury (By EPA 7471)	0.500	0.461	92.1	0.500	0.463	92.5	<1	75-125	<15	
Molybdenum	50.0	47.9	95.8	50.0	47.0	94.0	1.9	75-125	<15	
Nickel	50.0	42.9	85.8	50.0	41.4	82.7	3.7	75-125	<15	
Selenium	50.0	48.9	97.7	50.0	48.0	96.0	1.8	75-125	<15	
Silver	50.0	46.9	93.8	50.0	45.5	91.0	3.0	75-125	<15	
Thallium	50.0	44.2	88.3	50.0	43.7	87.3	1.1	75-125	<15	
Vanadium	50.0	49.4	98.7	50.0	47.5	95.0	3.8	75-125	<15	
Zinc	50.0	47.8	95.6	50.0	46.3	92.6	3.2	75-125	<15	



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Telephone: (562)426-9544

Attn: Ashley Hutchens

Page: 10

Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74671	10/08/2014	SCS

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1009142A1; Dup or Spiked Sample: 74665.05; LCS: Clean Sand; QC Prepared: 10/09/2014; QC Analyzed: 10/09/2014;
Units: ug/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Benzene	0.00	50.0	32.6 #	65.2	50.0	40.9	81.8	22.6	75-125	<20
Chlorobenzene	0.00	50.0	31.4 #	62.8	50.0	41.5	83.0	27.7	75-125	<20
1,1-Dichloroethene	0.00	50.0	34.4 #	68.8	50.0	43.7	87.4	23.8	75-125	<20
Methyl-tert-butyl ether (MTBE)	0.00	50.0	37.3 #	74.6	50.0	44.9	89.8	18.5	75-125	<20
Toluene (Methyl benzene)	0.00	50.0	32.8 #	65.6	50.0	42.0	84.0	24.6	75-125	<20
Trichloroethene	0.00	50.0	34.7 #	69.4	50.0	43.2	86.4	21.8	75-125	<20
Surrogates										
Bromofluorobenzene	0.00	50.0	48.2	96.4	50.0	48.6	97.1	<1	75-125	<20
Dibromofluoromethane	0.00	50.0	51.0	102	50.0	48.0	96.0	5.88	75-125	<20
Toluene-d8	0.00	50.0	50.5	101	50.0	50.5	101	<1	75-125	<20

QC Batch No: 1009142A1; Dup or Spiked Sample: 74665.05; LCS: Clean Sand; QC Prepared: 10/09/2014; QC Analyzed: 10/09/2014;
Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Benzene	50.0	52.5	105	50.0	50.5	101	3.88	75-125	<20	
Chlorobenzene	50.0	49.7	99.4	50.0	49.8	100	<1	75-125	<20	
1,1-Dichloroethene	50.0	60.1	120	50.0	49.3	99.0	19.2	75-125	<20	
Methyl-tert-butyl ether (MTBE)	50.0	56.2	112	50.0	57.3	115	2.64	75-125	<20	
Toluene (Methyl benzene)	50.0	52.9	106	50.0	51.3	103	2.87	75-125	<20	
Trichloroethene	50.0	57.4	115	50.0	52.4	105	9.09	75-125	<20	
LCS										
Chloroform (Trichloromethane)	50.0	56.1	112	50.0	52.8	106	5.50	75-125	<20	
Ethylbenzene	50.0	51.4	103	50.0	50.1	100	2.96	75-125	<20	
1,1,1-Trichloroethane	50.0	61.3	123	50.0	53.5	107	13.9	75-125	<20	
o-Xylene	50.0	48.8	97.6	50.0	49.3	99.0	1.42	75-125	<20	
m,p-Xylenes	100	107	107	100	104	104	2.84	75-125	<20	
Surrogates										
Bromofluorobenzene	50.0	51.1	102	50.0	48.5	97.0	4.90	75-125	<20	
Dibromofluoromethane	50.0	48.0	96.1	50.0	49.8	99.6	3.64	75-125	<20	



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QUALITY CONTROL RESULTS

Page: **11**

Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74671	10/08/2014	SCS

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1009142A1; Dup or Spiked Sample: 74665.05; LCS: Clean Sand; QC Prepared: 10/09/2014; QC Analyzed: 10/09/2014;
Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Toluene-d8	50.0	48.7	97.5	50.0	48.9	97.7	<1	75-125	<20	



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QUALITY CONTROL RESULTS

Ordered By

Site

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1409 San Francisco Ave

Telephone: (562)426-9544

Attn: Ashley Hutchens

Page: **12**

Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74671	10/08/2014	SCS

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 100914DB1; Dup or Spiked Sample: 74671.01; LCS: Clean Sand; QC Prepared: 10/09/2014; QC Analyzed: 10/09/2014;
Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
TPH as Diesel (C13-C22)	0.00	500	517	103	500	521	104	<1	75-125	<20
Surrogates										
Chlorobenzene	0.00	100	103	103	100	108	108	4.85	75-125	<20

QC Batch No: 100914DB1; Dup or Spiked Sample: 74671.01; LCS: Clean Sand; QC Prepared: 10/09/2014; QC Analyzed: 10/09/2014;
Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
TPH as Diesel (C13-C22)	500	527	105	500	512	102	2.90	75-125	<20	
Surrogates										
Chlorobenzene	100	107	107	100	107	107	<1	75-125	<20	



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Attn: Ashley Hutchens

Page: **13**

Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74671	10/08/2014	SCS

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 100914NB1; Dup or Spiked Sample: 74673.13HGA; LCS: Clean Sand; QC Prepared: 10/09/2014; QC Analyzed: 10/09/2014;
Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
TPH as Gasoline and Light HC. (C4-C12)	0.00	1.00	0.580#	57.6	1.00	0.610#	61.2	6.06	75-125	<20
Surrogates										
Bromofluorobenzene	0.00	0.0500	0.0487	97.4	0.0500	0.0454	90.8	6.78	75-125	<20

QC Batch No: 100914NB1; Dup or Spiked Sample: 74673.13HGA; LCS: Clean Sand; QC Prepared: 10/09/2014; QC Analyzed: 10/09/2014;
Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
TPH as Gasoline and Light HC. (C4-C12)	1.00	0.970	97.0	1.00	1.07	107	9.80	75-125	<20	
Surrogates										
Bromofluorobenzene	0.0500	0.0457	91.4	0.0500	0.0512	102	11.6	75-125	<20	



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Data Qualifiers and Descriptors

Data Qualifier:

#:	Recovery is not within acceptable control limits.
*:	In the QC section, sample results have been taken directly from the ICP reading. No preparation factor has been applied.
B:	Analyte was present in the Method Blank.
D:	Result is from a diluted analysis.
E:	Result is beyond calibration limits and is estimated.
H:	Analysis was performed over the allowed holding time due to circumstances which were beyond laboratory control.
J:	Analyte was detected. However, the analyte concentration is an estimated value, which is between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).
M:	Matrix spike recovery is outside control limits due to matrix interference. Laboratory Control Sample recovery was acceptable.
MCL:	Maximum Contaminant Level
NS:	No Standard Available
S6:	Surrogate recovery is outside control limits due to matrix interference.
S8:	The analysis of the sample required a dilution such that the surrogate concentration was diluted below the method acceptance criteria.
X:	Results represent LCS and LCSD data.

Definition:

%Limi:	Percent acceptable limits.
%REC:	Percent recovery.
Con.L:	Acceptable Control Limits
Conce:	Added concentration to the sample.
LCS:	Laboratory Control Sample
MDL:	Method Detection Limit is a statistically derived number which is specific for each instrument, each method, and each compound. It indicates a distinctively detectable quantity with 99% probability.



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Data Qualifiers and Descriptors

MS:	Matrix Spike
MS DU:	Matrix Spike Duplicate
ND:	Analyte was not detected in the sample at or above MDL.
PQL:	Practical Quantitation Limit or ML (Minimum Level as per RWQCB) is the minimum concentration that can be quantified with more than 99% confidence. Taking into account all aspects of the entire analytical instrumentation and practice.
Recov:	Recovered concentration in the sample.
RPD:	Relative Percent Difference



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Number of Pages 25
Date Received 10/08/2014
Date Reported 10/09/2014

Telephone: (562)426-9544
Attention: Ashley Hutchens

Job Number	Order Date	Client
74663	10/08/2014	SCS

Project ID: 01210161.10
Project Name: Fmr Long Beach Public Service
Site: 1409 San Francisco Ave

Enclosed please find results of analyses of 10 soil samples which were analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By: _____

Approved By: _____

Cyrus Razmara, Ph.D.
Laboratory Director



American Environmental Testing Laboratory Inc.

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CHAIN OF CUSTODY RECORD

No 89112

Page 1 of 1

COMPANY <u>Sci Engineers</u>		PROJECT MANAGER <u>A. Hitchens</u>		AETL JOB No. <u>74663</u>			
COMPANY ADDRESS <u>3900 Kilroy Airport way #100</u>		PHONE FAX		ANALYSIS REQUESTED		TEST INSTRUCTIONS & COMMENTS	
PROJECT NAME <u>Long Beach Public Service Yard</u>		PROJECT # <u>01210 161.10</u>		Total 22 Metals VOC's TPH			
SITE NAME AND ADDRESS <u>USC Village</u>		PO #					

SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.
1	B4-1	74663-01	10/8/14	930	Soil 4oz & /vot	5035
2	B4-2	74663-02		931		
3	B4-3	74663-03		932		
4	B6-1	74663-04		933		
5	B6-2	74663-05		934		
6	B6-3	74663-06		935		
7	B9-1	74663-07		936		
8	B9-2	74663-08		937		
9	B9-3	74663-09		938		
10	B9-4	74663-10		939		
11						
12						
13						
14						
15						

SAMPLE RECEIPT - TO BE FILLED BY LABORATORY				RELINQUISHED BY: 1.		RELINQUISHED BY: 2.		RELINQUISHED BY: 3.	
TOTAL NUMBER OF CONTAINERS	<u>10</u>	PROPERLY COOLED	<u>Y/N/NA</u>	Signature:	<u>[Signature]</u>	Signature:	<u>[Signature]</u>	Signature:	<u>[Signature]</u>
CUSTODY SEALS	<u>Y/N/NA</u>	SAMPLES INTACT	<u>Y/N/NA</u>	Printed Name:	<u>Chaitop to Nominal</u>	Printed Name:	<u>[Signature]</u>	Printed Name:	<u>[Signature]</u>
RECEIVED IN GOOD COND.	<u>Y/N</u>	SAMPLES ACCEPTED	<u>Y/N</u>	Date:	<u>10/8/14</u>	Date:	<u>10/8/14</u>	Date:	<u>10/8/14</u>
TURN AROUND TIME				RECEIVED BY: 1.		RECEIVED BY: 2.		RECEIVED BY: 3.	
☐ NORMAL ☒ RUSH ☐ SAME DAY ☐ NEXT DAY <u>24 Hr</u> ☐ 2 DAYS ☐ 3 DAYS				Signature: <u>[Signature]</u> Printed Name: <u>[Signature]</u> Date: <u>10/8/14</u> Time: <u>1145</u>		Signature: <u>[Signature]</u> Printed Name: <u>[Signature]</u> Date: <u>10/8/14</u> Time: <u>1245</u>		Signature: <u>[Signature]</u> Printed Name: <u>[Signature]</u> Date: <u>10/8/14</u> Time: <u>1245</u>	
DATA DELIVERABLE REQUIRED									
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Number of Pages 25
Date Received 10/08/2014
Date Reported 10/09/2014

Telephone: (562)426-9544
Attention: Ashley Hutchens

Job Number	Order Date	Client
74663	10/08/2014	SCS

Project ID: 01210161.10
Project Name: Fmr Long Beach Public Service
Site: 1409 San Francisco Ave

Enclosed please find results of analyses of 10 soil samples which were analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By: _____

Approved By: _____

Cyrus Razmara, Ph.D.
Laboratory Director



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Project ID: 01210161.10
Date Received 10/08/2014
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Telephone: (562)426-9544
Attention: Ashley Hutchens

Job Number	Order Date	Client
74663	10/08/2014	SCS

CERTIFICATE OF ANALYSIS CASE NARRATIVE

AETL received 10 samples with the following specification on 10/08/2014.

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers	
74663.01	B4-1	10/08/2014	Soil	4	
74663.03	B4-3	10/08/2014	Soil	4	
74663.05	B6-2	10/08/2014	Soil	4	
74663.08	B9-2	10/08/2014	Soil	4	
74663.10	B9-4	10/08/2014	Soil	4	
	Method ^ Submethod	Req Date	Priority	TAT	Units
	(8260B)	10/09/2014	2	Rush	ug/Kg
74663.02	B4-2	10/08/2014	Soil		4
74663.04	B6-1	10/08/2014	Soil		4
74663.06	B6-3	10/08/2014	Soil		4
74663.07	B9-1	10/08/2014	Soil		4
74663.09	B9-3	10/08/2014	Soil		4
	Method ^ Submethod	Req Date	Priority	TAT	Units
	(6010B/7000CAM)	10/09/2014	2	Rush	mg/Kg
	(8260B)	10/09/2014	2	Rush	ug/Kg
	(M8015D) ^ C13-C40	10/09/2014	2	Rush	mg/Kg
	(M8015G)	10/09/2014	2	Rush	mg/Kg

The samples were analyzed as specified on the enclosed chain of custody. Analytical non-conformances have been noted on the report.

Unless otherwise noted, all results of soil and solid samples are based on wet weight.

Checked By: 

Approved By: 

Cyrus Razmara, Ph.D.
Laboratory Director



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ANALYTICAL RESULTS

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Site

SCS Engineers
3900 Kilroy Airport Way
Suite 100
Long Beach, CA 90806-6816

1409 San Francisco Ave

Telephone: (562)426-9544

Attn: Ashley Hutchens

Page: 2

Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74663	10/08/2014	SCS

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1008142A1

Our Lab I.D.			Method Blank	74663.01	74663.02	74663.03	
Client Sample I.D.				B4-1	B4-2	B4-3	
Date Sampled				10/08/2014	10/08/2014	10/08/2014	
Date Prepared			10/08/2014	10/08/2014	10/08/2014	10/08/2014	
Preparation Method			5030	5035A	5035A	5035A	
Date Analyzed			10/08/2014	10/08/2014	10/08/2014	10/08/2014	
Matrix			Soil	Soil	Soil	Soil	
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	
Dilution Factor			1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	
Acetone	25	50	ND	ND	ND	ND	
Benzene	1.0	10.0	ND	ND	ND	ND	
Bromobenzene (Phenyl bromide)	5.0	10.0	ND	ND	ND	ND	
Bromochloromethane	5.0	10.0	ND	ND	ND	ND	
Bromodichloromethane	5.0	10.0	ND	ND	ND	ND	
Bromoform (Tribromomethane)	25	50	ND	ND	ND	ND	
Bromomethane (Methyl bromide)	15	30	ND	ND	ND	ND	
2-Butanone (MEK)	25	50	ND	ND	ND	ND	
n-Butylbenzene	5.0	10.0	ND	ND	ND	ND	
sec-Butylbenzene	5.0	10.0	ND	ND	ND	ND	
tert-Butylbenzene	5.0	10.0	ND	ND	ND	ND	
Carbon Disulfide	25	50	ND	ND	ND	ND	
Carbon tetrachloride	5.0	10.0	ND	ND	ND	ND	
Chlorobenzene	5.0	10.0	ND	ND	ND	ND	
Chloroethane	15	30	ND	ND	ND	ND	
2-Chloroethyl vinyl ether	50	50	ND	ND	ND	ND	
Chloroform (Trichloromethane)	5.0	10.0	ND	ND	ND	ND	
Chloromethane (Methyl chloride)	15	30	ND	ND	ND	ND	
2-Chlorotoluene	5.0	10.0	ND	ND	ND	ND	
4-Chlorotoluene	5.0	10.0	ND	ND	ND	ND	
1,2-Dibromo-3-chloropropane (DBCP)	25	50	ND	ND	ND	ND	
Dibromochloromethane	5.0	10.0	ND	ND	ND	ND	
1,2-Dibromoethane (EDB)	5.0	10.0	ND	ND	ND	ND	
Dibromomethane	5.0	10.0	ND	ND	ND	ND	
1,2-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	
1,3-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	
1,4-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	



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ANALYTICAL RESULTS

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Project ID: 01210161.10
Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74663	10/08/2014	SCS

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1008142A1

Our Lab I.D.			Method Blank	74663.01	74663.02	74663.03	
Client Sample I.D.				B4-1	B4-2	B4-3	
Date Sampled				10/08/2014	10/08/2014	10/08/2014	
Date Prepared			10/08/2014	10/08/2014	10/08/2014	10/08/2014	
Preparation Method			5030	5035A	5035A	5035A	
Date Analyzed			10/08/2014	10/08/2014	10/08/2014	10/08/2014	
Matrix			Soil	Soil	Soil	Soil	
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	
Dilution Factor			1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	
Dichlorodifluoromethane	15	30	ND	ND	ND	ND	
1,1-Dichloroethane	5.0	10.0	ND	ND	ND	ND	
1,2-Dichloroethane (EDC)	5.0	10.0	ND	ND	ND	ND	
1,1-Dichloroethene	5.0	10.0	ND	ND	ND	ND	
cis-1,2-Dichloroethene	5.0	10.0	ND	ND	ND	ND	
trans-1,2-Dichloroethene	5.0	10.0	ND	ND	ND	ND	
1,2-Dichloropropane	5.0	10.0	ND	ND	ND	ND	
1,3-Dichloropropane	5.0	10.0	ND	ND	ND	ND	
2,2-Dichloropropane	5.0	10.0	ND	ND	ND	ND	
1,1-Dichloropropene	5.0	10.0	ND	ND	ND	ND	
cis-1,3-Dichloropropene	5.0	10.0	ND	ND	ND	ND	
trans-1,3-Dichloropropene	5.0	10.0	ND	ND	ND	ND	
Ethylbenzene	1.0	10.0	ND	ND	ND	ND	
Hexachlorobutadiene	15	30	ND	ND	ND	ND	
2-Hexanone	25	50	ND	ND	ND	ND	
Iodomethane	5.0	10.0	ND	ND	ND	ND	
Isopropylbenzene	5.0	10.0	ND	ND	ND	ND	
p-Isopropyltoluene	5.0	10.0	ND	ND	ND	ND	
4-Methyl-2-pentanone (MIBK)	25	50	ND	ND	ND	ND	
Methyl-tert-butyl ether (MTBE)	2.0	10.0	ND	ND	ND	ND	
Methylene chloride (DCM)	25	50	ND	ND	ND	ND	
Naphthalene	5.0	10.0	ND	ND	ND	ND	
n-Propylbenzene	5.0	10.0	ND	ND	ND	ND	
Styrene	5.0	10.0	ND	ND	ND	ND	
1,1,1,2-Tetrachloroethane	5.0	10.0	ND	ND	ND	ND	
1,1,2,2-Tetrachloroethane	5.0	10.0	ND	ND	ND	ND	
Tetrachloroethene	2.0	10.0	ND	ND	ND	ND	
Toluene (Methyl benzene)	1.0	10.0	ND	ND	ND	ND	
1,2,3-Trichlorobenzene	5.0	10.0	ND	ND	ND	ND	
1,2,4-Trichlorobenzene	5.0	10.0	ND	ND	ND	ND	
1,1,1-Trichloroethane	5.0	10.0	ND	ND	ND	ND	
1,1,2-Trichloroethane	5.0	10.0	ND	ND	ND	ND	
Trichloroethene	1.5	10.0	ND	ND	ND	ND	
Trichlorofluoromethane	5.0	10.0	ND	ND	ND	ND	



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ANALYTICAL RESULTS

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Project ID: 01210161.10
Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74663	10/08/2014	SCS

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1008142A1

Our Lab I.D.			Method Blank	74663.01	74663.02	74663.03	
Client Sample I.D.				B4-1	B4-2	B4-3	
Date Sampled				10/08/2014	10/08/2014	10/08/2014	
Date Prepared			10/08/2014	10/08/2014	10/08/2014	10/08/2014	
Preparation Method			5030	5035A	5035A	5035A	
Date Analyzed			10/08/2014	10/08/2014	10/08/2014	10/08/2014	
Matrix			Soil	Soil	Soil	Soil	
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	
Dilution Factor			1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	
1,2,3-Trichloropropane	5.0	10.0	ND	ND	ND	ND	
1,2,4-Trimethylbenzene	5.0	10.0	ND	ND	ND	ND	
1,3,5-Trimethylbenzene	5.0	10.0	ND	ND	ND	ND	
Vinyl Acetate	25	50	ND	ND	ND	ND	
Vinyl chloride (Chloroethene)	5.0	10.0	ND	ND	ND	ND	
o-Xylene	1.0	10.0	ND	ND	ND	ND	
m,p-Xylenes	1.0	20.0	ND	ND	ND	ND	
Our Lab I.D.			Method Blank	74663.01	74663.02	74663.03	
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	
Bromofluorobenzene	75-125		103	102	100	97.6	
Dibromofluoromethane	75-125		111	119	118	114	
Toluene-d8	75-125		102	99.0	98.5	98.6	



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Site

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Telephone: (562)426-9544

Attn: Ashley Hutchens

Page: 5

Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74663	10/08/2014	SCS

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1009142A1

Our Lab I.D.			Method Blank	74663.04			
Client Sample I.D.				B6-1			
Date Sampled				10/08/2014			
Date Prepared			10/09/2014	10/09/2014			
Preparation Method			5030	5035A			
Date Analyzed			10/09/2014	10/09/2014			
Matrix			Soil	Soil			
Units			ug/Kg	ug/Kg			
Dilution Factor			1	1			
Analytes	MDL	PQL	Results	Results			
Acetone	25	50	ND	ND			
Benzene	1.0	10.0	ND	ND			
Bromobenzene (Phenyl bromide)	5.0	10.0	ND	ND			
Bromochloromethane	5.0	10.0	ND	ND			
Bromodichloromethane	5.0	10.0	ND	ND			
Bromoform (Tribromomethane)	25	50	ND	ND			
Bromomethane (Methyl bromide)	15	30	ND	ND			
2-Butanone (MEK)	25	50	ND	ND			
n-Butylbenzene	5.0	10.0	ND	ND			
sec-Butylbenzene	5.0	10.0	ND	ND			
tert-Butylbenzene	5.0	10.0	ND	ND			
Carbon Disulfide	25	50	ND	ND			
Carbon tetrachloride	5.0	10.0	ND	ND			
Chlorobenzene	5.0	10.0	ND	ND			
Chloroethane	15	30	ND	ND			
2-Chloroethyl vinyl ether	50	50	ND	ND			
Chloroform (Trichloromethane)	5.0	10.0	ND	ND			
Chloromethane (Methyl chloride)	15	30	ND	ND			
2-Chlorotoluene	5.0	10.0	ND	ND			
4-Chlorotoluene	5.0	10.0	ND	ND			
1,2-Dibromo-3-chloropropane (DBCP)	25	50	ND	ND			
Dibromochloromethane	5.0	10.0	ND	ND			
1,2-Dibromoethane (EDB)	5.0	10.0	ND	ND			
Dibromomethane	5.0	10.0	ND	ND			
1,2-Dichlorobenzene	5.0	10.0	ND	ND			
1,3-Dichlorobenzene	5.0	10.0	ND	ND			
1,4-Dichlorobenzene	5.0	10.0	ND	ND			



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ANALYTICAL RESULTS

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Project ID: 01210161.10
Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74663	10/08/2014	SCS

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1009142A1

Our Lab I.D.		Method Blank	74663.04			
Client Sample I.D.			B6-1			
Date Sampled			10/08/2014			
Date Prepared		10/09/2014	10/09/2014			
Preparation Method		5030	5035A			
Date Analyzed		10/09/2014	10/09/2014			
Matrix		Soil	Soil			
Units		ug/Kg	ug/Kg			
Dilution Factor		1	1			
Analytes	MDL	PQL	Results	Results		
Dichlorodifluoromethane	15	30	ND	ND		
1,1-Dichloroethane	5.0	10.0	ND	ND		
1,2-Dichloroethane (EDC)	5.0	10.0	ND	ND		
1,1-Dichloroethene	5.0	10.0	ND	ND		
cis-1,2-Dichloroethene	5.0	10.0	ND	ND		
trans-1,2-Dichloroethene	5.0	10.0	ND	ND		
1,2-Dichloropropane	5.0	10.0	ND	ND		
1,3-Dichloropropane	5.0	10.0	ND	ND		
2,2-Dichloropropane	5.0	10.0	ND	ND		
1,1-Dichloropropene	5.0	10.0	ND	ND		
cis-1,3-Dichloropropene	5.0	10.0	ND	ND		
trans-1,3-Dichloropropene	5.0	10.0	ND	ND		
Ethylbenzene	1.0	10.0	ND	ND		
Hexachlorobutadiene	15	30	ND	ND		
2-Hexanone	25	50	ND	ND		
Iodomethane	5.0	10.0	ND	ND		
Isopropylbenzene	5.0	10.0	ND	ND		
p-Isopropyltoluene	5.0	10.0	ND	ND		
4-Methyl-2-pentanone (MIBK)	25	50	ND	ND		
Methyl-tert-butyl ether (MTBE)	2.0	10.0	ND	ND		
Methylene chloride (DCM)	25	50	ND	ND		
Naphthalene	5.0	10.0	ND	ND		
n-Propylbenzene	5.0	10.0	ND	ND		
Styrene	5.0	10.0	ND	ND		
1,1,1,2-Tetrachloroethane	5.0	10.0	ND	ND		
1,1,2,2-Tetrachloroethane	5.0	10.0	ND	ND		
Tetrachloroethene	2.0	10.0	ND	ND		
Toluene (Methyl benzene)	1.0	10.0	ND	ND		
1,2,3-Trichlorobenzene	5.0	10.0	ND	ND		
1,2,4-Trichlorobenzene	5.0	10.0	ND	ND		
1,1,1-Trichloroethane	5.0	10.0	ND	ND		
1,1,2-Trichloroethane	5.0	10.0	ND	ND		
Trichloroethene	1.5	10.0	ND	ND		
Trichlorofluoromethane	5.0	10.0	ND	ND		



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ANALYTICAL RESULTS

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Project ID: 01210161.10
Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74663	10/08/2014	SCS

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1009142A1

Our Lab I.D.			Method Blank	74663.04			
Client Sample I.D.				B6-1			
Date Sampled				10/08/2014			
Date Prepared			10/09/2014	10/09/2014			
Preparation Method			5030	5035A			
Date Analyzed			10/09/2014	10/09/2014			
Matrix			Soil	Soil			
Units			ug/Kg	ug/Kg			
Dilution Factor			1	1			
Analytes	MDL	PQL	Results	Results			
1,2,3-Trichloropropane	5.0	10.0	ND	ND			
1,2,4-Trimethylbenzene	5.0	10.0	ND	ND			
1,3,5-Trimethylbenzene	5.0	10.0	ND	ND			
Vinyl Acetate	25	50	ND	ND			
Vinyl chloride (Chloroethene)	5.0	10.0	ND	ND			
o-Xylene	1.0	10.0	ND	ND			
m,p-Xylenes	1.0	20.0	ND	ND			
Our Lab I.D.			Method Blank	74663.04			
Surrogates	%Rec.Limit		% Rec.	% Rec.			
Bromofluorobenzene	75-125		98.2	99.0			
Dibromofluoromethane	75-125		109	108			
Toluene-d8	75-125		104	97.8			



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ANALYTICAL RESULTS

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Telephone: (562)426-9544

Attn: Ashley Hutchens

Page: 8

Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74663	10/08/2014	SCS

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1008142A1

Our Lab I.D.			74663.05	74663.06	74663.07	74663.08	74663.09
Client Sample I.D.			B6-2	B6-3	B9-1	B9-2	B9-3
Date Sampled			10/08/2014	10/08/2014	10/08/2014	10/08/2014	10/08/2014
Date Prepared			10/08/2014	10/08/2014	10/08/2014	10/08/2014	10/08/2014
Preparation Method			5035A	5035A	5035A	5035A	5035A
Date Analyzed			10/08/2014	10/08/2014	10/08/2014	10/08/2014	10/08/2014
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Acetone	25	50	ND	ND	ND	ND	ND
Benzene	1.0	10.0	ND	ND	ND	ND	ND
Bromobenzene (Phenyl bromide)	5.0	10.0	ND	ND	ND	ND	ND
Bromochloromethane	5.0	10.0	ND	ND	ND	ND	ND
Bromodichloromethane	5.0	10.0	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	25	50	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	15	30	ND	ND	ND	ND	ND
2-Butanone (MEK)	25	50	ND	ND	ND	ND	ND
n-Butylbenzene	5.0	10.0	ND	ND	ND	ND	ND
sec-Butylbenzene	5.0	10.0	ND	ND	ND	ND	ND
tert-Butylbenzene	5.0	10.0	ND	ND	ND	ND	ND
Carbon Disulfide	25	50	ND	ND	ND	ND	ND
Carbon tetrachloride	5.0	10.0	ND	ND	ND	ND	ND
Chlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
Chloroethane	15	30	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	50	50	ND	ND	ND	ND	ND
Chloroform (Trichloromethane)	5.0	10.0	ND	ND	ND	ND	ND
Chloromethane (Methyl chloride)	15	30	ND	ND	ND	ND	ND
2-Chlorotoluene	5.0	10.0	ND	ND	ND	ND	ND
4-Chlorotoluene	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	25	50	ND	ND	ND	ND	ND
Dibromochloromethane	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB)	5.0	10.0	ND	ND	ND	ND	ND
Dibromomethane	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND



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ANALYTICAL RESULTS

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Project ID: 01210161.10
Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74663	10/08/2014	SCS

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1008142A1

Our Lab I.D.			74663.05	74663.06	74663.07	74663.08	74663.09
Client Sample I.D.			B6-2	B6-3	B9-1	B9-2	B9-3
Date Sampled			10/08/2014	10/08/2014	10/08/2014	10/08/2014	10/08/2014
Date Prepared			10/08/2014	10/08/2014	10/08/2014	10/08/2014	10/08/2014
Preparation Method			5035A	5035A	5035A	5035A	5035A
Date Analyzed			10/08/2014	10/08/2014	10/08/2014	10/08/2014	10/08/2014
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Dichlorodifluoromethane	15	30	ND	ND	ND	ND	ND
1,1-Dichloroethane	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dichloroethane (EDC)	5.0	10.0	ND	ND	ND	ND	ND
1,1-Dichloroethene	5.0	10.0	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5.0	10.0	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dichloropropane	5.0	10.0	ND	ND	ND	ND	ND
1,3-Dichloropropane	5.0	10.0	ND	ND	ND	ND	ND
2,2-Dichloropropane	5.0	10.0	ND	ND	ND	ND	ND
1,1-Dichloropropene	5.0	10.0	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	5.0	10.0	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	5.0	10.0	ND	ND	ND	ND	ND
Ethylbenzene	1.0	10.0	ND	ND	ND	ND	ND
Hexachlorobutadiene	15	30	ND	ND	ND	ND	ND
2-Hexanone	25	50	ND	ND	ND	ND	ND
Iodomethane	5.0	10.0	ND	ND	ND	ND	ND
Isopropylbenzene	5.0	10.0	ND	ND	ND	ND	ND
p-Isopropyltoluene	5.0	10.0	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK)	25	50	ND	ND	ND	ND	ND
Methyl-tert-butyl ether (MTBE)	2.0	10.0	ND	ND	ND	ND	ND
Methylene chloride (DCM)	25	50	ND	ND	ND	ND	ND
Naphthalene	5.0	10.0	ND	ND	ND	ND	ND
n-Propylbenzene	5.0	10.0	ND	ND	ND	ND	ND
Styrene	5.0	10.0	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	5.0	10.0	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	5.0	10.0	ND	ND	ND	ND	ND
Tetrachloroethene	2.0	10.0	ND	ND	ND	ND	ND
Toluene (Methyl benzene)	1.0	10.0	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5.0	10.0	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	5.0	10.0	ND	ND	ND	ND	ND
Trichloroethene	1.5	10.0	ND	ND	ND	ND	ND
Trichlorofluoromethane	5.0	10.0	ND	ND	ND	ND	ND



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ANALYTICAL RESULTS

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Project ID: 01210161.10
Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74663	10/08/2014	SCS

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1008142A1

Our Lab I.D.			74663.05	74663.06	74663.07	74663.08	74663.09
Client Sample I.D.			B6-2	B6-3	B9-1	B9-2	B9-3
Date Sampled			10/08/2014	10/08/2014	10/08/2014	10/08/2014	10/08/2014
Date Prepared			10/08/2014	10/08/2014	10/08/2014	10/08/2014	10/08/2014
Preparation Method			5035A	5035A	5035A	5035A	5035A
Date Analyzed			10/08/2014	10/08/2014	10/08/2014	10/08/2014	10/08/2014
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
1,2,3-Trichloropropane	5.0	10.0	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	5.0	10.0	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	5.0	10.0	ND	ND	ND	ND	ND
Vinyl Acetate	25	50	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	5.0	10.0	ND	ND	ND	ND	ND
o-Xylene	1.0	10.0	ND	ND	ND	ND	ND
m,p-Xylenes	1.0	20.0	ND	ND	ND	ND	ND
Our Lab I.D.			74663.05	74663.06	74663.07	74663.08	74663.09
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Bromofluorobenzene	75-125		101	96.5	105	102	111
Dibromofluoromethane	75-125		115	122	116	118	108
Toluene-d8	75-125		97.0	92.2	96.4	94.6	102



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Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74663	10/08/2014	SCS

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1008142A1

Our Lab I.D.			74663.10			
Client Sample I.D.			B9-4			
Date Sampled			10/08/2014			
Date Prepared			10/08/2014			
Preparation Method			5035A			
Date Analyzed			10/08/2014			
Matrix			Soil			
Units			ug/Kg			
Dilution Factor			1			
Analytes	MDL	PQL	Results			
Acetone	25	50	ND			
Benzene	1.0	10.0	ND			
Bromobenzene (Phenyl bromide)	5.0	10.0	ND			
Bromochloromethane	5.0	10.0	ND			
Bromodichloromethane	5.0	10.0	ND			
Bromoform (Tribromomethane)	25	50	ND			
Bromomethane (Methyl bromide)	15	30	ND			
2-Butanone (MEK)	25	50	ND			
n-Butylbenzene	5.0	10.0	ND			
sec-Butylbenzene	5.0	10.0	ND			
tert-Butylbenzene	5.0	10.0	ND			
Carbon Disulfide	25	50	ND			
Carbon tetrachloride	5.0	10.0	ND			
Chlorobenzene	5.0	10.0	ND			
Chloroethane	15	30	ND			
2-Chloroethyl vinyl ether	50	50	ND			
Chloroform (Trichloromethane)	5.0	10.0	ND			
Chloromethane (Methyl chloride)	15	30	ND			
2-Chlorotoluene	5.0	10.0	ND			
4-Chlorotoluene	5.0	10.0	ND			
1,2-Dibromo-3-chloropropane (DBCP)	25	50	ND			
Dibromochloromethane	5.0	10.0	ND			
1,2-Dibromoethane (EDB)	5.0	10.0	ND			
Dibromomethane	5.0	10.0	ND			
1,2-Dichlorobenzene	5.0	10.0	ND			
1,3-Dichlorobenzene	5.0	10.0	ND			
1,4-Dichlorobenzene	5.0	10.0	ND			



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ANALYTICAL RESULTS

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Project ID: 01210161.10
Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74663	10/08/2014	SCS

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1008142A1

Our Lab I.D.		74663.10				
Client Sample I.D.		B9-4				
Date Sampled		10/08/2014				
Date Prepared		10/08/2014				
Preparation Method		5035A				
Date Analyzed		10/08/2014				
Matrix		Soil				
Units		ug/Kg				
Dilution Factor		1				
Analytes	MDL	PQL	Results			
Dichlorodifluoromethane	15	30	ND			
1,1-Dichloroethane	5.0	10.0	ND			
1,2-Dichloroethane (EDC)	5.0	10.0	ND			
1,1-Dichloroethene	5.0	10.0	ND			
cis-1,2-Dichloroethene	5.0	10.0	ND			
trans-1,2-Dichloroethene	5.0	10.0	ND			
1,2-Dichloropropane	5.0	10.0	ND			
1,3-Dichloropropane	5.0	10.0	ND			
2,2-Dichloropropane	5.0	10.0	ND			
1,1-Dichloropropene	5.0	10.0	ND			
cis-1,3-Dichloropropene	5.0	10.0	ND			
trans-1,3-Dichloropropene	5.0	10.0	ND			
Ethylbenzene	1.0	10.0	ND			
Hexachlorobutadiene	15	30	ND			
2-Hexanone	25	50	ND			
Iodomethane	5.0	10.0	ND			
Isopropylbenzene	5.0	10.0	ND			
p-Isopropyltoluene	5.0	10.0	ND			
4-Methyl-2-pentanone (MIBK)	25	50	ND			
Methyl-tert-butyl ether (MTBE)	2.0	10.0	ND			
Methylene chloride (DCM)	25	50	ND			
Naphthalene	5.0	10.0	ND			
n-Propylbenzene	5.0	10.0	ND			
Styrene	5.0	10.0	ND			
1,1,1,2-Tetrachloroethane	5.0	10.0	ND			
1,1,2,2-Tetrachloroethane	5.0	10.0	ND			
Tetrachloroethene	2.0	10.0	ND			
Toluene (Methyl benzene)	1.0	10.0	ND			
1,2,3-Trichlorobenzene	5.0	10.0	ND			
1,2,4-Trichlorobenzene	5.0	10.0	ND			
1,1,1-Trichloroethane	5.0	10.0	ND			
1,1,2-Trichloroethane	5.0	10.0	ND			
Trichloroethene	1.5	10.0	ND			
Trichlorofluoromethane	5.0	10.0	ND			



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ANALYTICAL RESULTS

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Project ID: 01210161.10
Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74663	10/08/2014	SCS

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1008142A1

Our Lab I.D.		74663.10				
Client Sample I.D.		B9-4				
Date Sampled		10/08/2014				
Date Prepared		10/08/2014				
Preparation Method		5035A				
Date Analyzed		10/08/2014				
Matrix		Soil				
Units		ug/Kg				
Dilution Factor		1				
Analytes	MDL	PQL	Results			
1,2,3-Trichloropropane	5.0	10.0	ND			
1,2,4-Trimethylbenzene	5.0	10.0	ND			
1,3,5-Trimethylbenzene	5.0	10.0	ND			
Vinyl Acetate	25	50	ND			
Vinyl chloride (Chloroethene)	5.0	10.0	ND			
o-Xylene	1.0	10.0	ND			
m,p-Xylenes	1.0	20.0	ND			
Our Lab I.D.		74663.10				
Surrogates	%Rec.Limit		% Rec.			
Bromofluorobenzene	75-125		101			
Dibromofluoromethane	75-125		120			
Toluene-d8	75-125		99.3			



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Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74663	10/08/2014	SCS

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 100814NB1

Our Lab I.D.			Method Blank	74663.02	74663.04	74663.06	74663.07
Client Sample I.D.				B4-2	B6-1	B6-3	B9-1
Date Sampled				10/08/2014	10/08/2014	10/08/2014	10/08/2014
Date Prepared			10/08/2014	10/08/2014	10/08/2014	10/08/2014	10/08/2014
Preparation Method			5030	5035A	5035A	5035A	5035A
Date Analyzed			10/08/2014	10/08/2014	10/08/2014	10/08/2014	10/08/2014
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes		MDL	PQL	Results	Results	Results	Results
TPH as Gasoline and Light HC. (C4-C12)		0.100	1.000	ND	ND	ND	ND
Our Lab I.D.			Method Blank	74663.02	74663.04	74663.06	74663.07
Surrogates		%Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Bromofluorobenzene		75-125	83.8	82.2	93.6	98.0	103



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Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74663	10/08/2014	SCS

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 100814NB1

Our Lab I.D.		74663.09				
Client Sample I.D.		B9-3				
Date Sampled		10/08/2014				
Date Prepared		10/08/2014				
Preparation Method		5035A				
Date Analyzed		10/08/2014				
Matrix		Soil				
Units		mg/Kg				
Dilution Factor		1				
Analytes	MDL	PQL	Results			
TPH as Gasoline and Light HC. (C4-C12)	0.100	1.000	ND			
Our Lab I.D.			74663.09			
Surrogates	%Rec.Limit		% Rec.			
Bromofluorobenzene	75-125		104			



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Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74663	10/08/2014	SCS

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 100814DB1

Our Lab I.D.			Method Blank	74663.02	74663.04	74663.06	74663.07
Client Sample I.D.				B4-2	B6-1	B6-3	B9-1
Date Sampled				10/08/2014	10/08/2014	10/08/2014	10/08/2014
Date Prepared			10/08/2014	10/08/2014	10/08/2014	10/08/2014	10/08/2014
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			10/08/2014	10/08/2014	10/08/2014	10/08/2014	10/08/2014
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes		MDL	PQL	Results	Results	Results	Results
TPH as Diesel (C13-C22)		1.0	5.0	ND	ND	ND	ND
TPH as Heavy Hydrocarbons (C23-C40)		1.0	5.0	ND	ND	ND	ND
TPH Total as Diesel and Heavy HC.C13-C40		1.0	5.0	ND	ND	ND	ND
Our Lab I.D.				Method Blank	74663.02	74663.04	74663.06
Surrogates		%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.
Chlorobenzene		75-125		119	113	105	111



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Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74663	10/08/2014	SCS

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 100814DB1

Our Lab I.D.		74663.09				
Client Sample I.D.		B9-3				
Date Sampled		10/08/2014				
Date Prepared		10/08/2014				
Preparation Method		3550B				
Date Analyzed		10/08/2014				
Matrix		Soil				
Units		mg/Kg				
Dilution Factor		1				
Analytes		MDL	PQL	Results		
TPH as Diesel (C13-C22)		1.0	5.0	ND		
TPH as Heavy Hydrocarbons (C23-C40)		1.0	5.0	ND		
TPH Total as Diesel and Heavy HC.C13-C40		1.0	5.0	ND		
Our Lab I.D.				74663.09		
Surrogates		%Rec.Limit		% Rec.		
Chlorobenzene		75-125		111		



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Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74663	10/08/2014	SCS

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 1008141C1

Our Lab I.D.			Method Blank	74663.02	74663.04	74663.06	74663.07
Client Sample I.D.				B4-2	B6-1	B6-3	B9-1
Date Sampled				10/08/2014	10/08/2014	10/08/2014	10/08/2014
Date Prepared			10/08/2014	10/08/2014	10/08/2014	10/08/2014	10/08/2014
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			10/09/2014	10/09/2014	10/09/2014	10/09/2014	10/09/2014
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Antimony	1.0	5.0	ND	ND	ND	ND	ND
Arsenic	1.0	5.0	ND	ND	ND	ND	ND
Barium	2.5	5.0	ND	49.4	44.8	54.1	69.4
Beryllium	1.3	2.5	ND	ND	ND	ND	ND
Cadmium	1.3	2.5	ND	ND	ND	ND	ND
Chromium	2.5	5.0	ND	6.91	5.01	5.76	8.06
Cobalt	2.5	5.0	ND	2.87J	2.84J	3.57J	4.17J
Copper	2.5	5.0	ND	6.41	6.21	6.19	11.8
Lead	2.5	5.0	ND	ND	ND	ND	3.21J
Mercury (By EPA 7471)	0.1	0.2	ND	ND	ND	ND	ND
Molybdenum	2.5	5.0	ND	ND	ND	ND	ND
Nickel	2.5	5.0	ND	4.23J	3.41J	3.84J	5.20
Selenium	1.0	5.0	ND	ND	ND	ND	ND
Silver	2.5	5.0	ND	ND	ND	ND	ND
Thallium	1.0	5.0	ND	ND	ND	ND	ND
Vanadium	2.5	5.0	ND	14.6	13.2	15.0	22.3
Zinc	2.5	5.0	ND	21.9	21.4	23.6	34.7



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Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74663	10/08/2014	SCS

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 1008141C1

Our Lab I.D.		74663.09				
Client Sample I.D.		B9-3				
Date Sampled		10/08/2014				
Date Prepared		10/08/2014				
Preparation Method		3050B				
Date Analyzed		10/09/2014				
Matrix		Soil				
Units		mg/Kg				
Dilution Factor		1				
Analytes	MDL	PQL	Results			
Antimony	1.0	5.0	ND			
Arsenic	1.0	5.0	ND			
Barium	2.5	5.0	56.2			
Beryllium	1.3	2.5	ND			
Cadmium	1.3	2.5	ND			
Chromium	2.5	5.0	4.78J			
Cobalt	2.5	5.0	2.66J			
Copper	2.5	5.0	5.14			
Lead	2.5	5.0	ND			
Mercury (By EPA 7471)	0.1	0.2	ND			
Molybdenum	2.5	5.0	ND			
Nickel	2.5	5.0	2.93J			
Selenium	1.0	5.0	ND			
Silver	2.5	5.0	ND			
Thallium	1.0	5.0	ND			
Vanadium	2.5	5.0	12.4			
Zinc	2.5	5.0	20.7			



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Attn: Ashley Hutchens

Page: 20

Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74663	10/08/2014	SCS

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 1008141C1; LCS: Clean Sand; LCS Prepared: 10/08/2014; LCS Analyzed: 10/09/2014; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Antimony	10.0	9.29	92.9	10.0	8.64	86.4	7.25	75-125	<15	
Arsenic	10.0	9.22	92.2	10.0	8.89	88.9	3.64	75-125	<15	
Barium	10.0	9.27	92.7	10.0	8.68	86.8	6.57	75-125	<15	
Beryllium	10.0	8.98	89.8	10.0	8.34	83.4	7.39	75-125	<15	
Cadmium	10.0	8.78	87.8	10.0	8.55	85.5	2.65	75-125	<15	
Chromium	10.0	8.73	87.3	10.0	8.60	86.0	1.50	75-125	<15	
Cobalt	10.0	9.32	93.2	10.0	9.32	93.2	<1	75-125	<15	
Copper	10.0	9.44	94.4	10.0	8.70	87.0	8.16	75-125	<15	
Lead	10.0	8.96	89.6	10.0	8.52	85.2	5.03	75-125	<15	
Mercury (By EPA 7471)	0.500	0.461	92.1	0.500	0.460	92.0	<1	75-125	<15	
Molybdenum	10.0	7.99	79.9	10.0	7.89	78.9	1.26	75-125	<15	
Nickel	10.0	9.18	91.8	10.0	8.94	89.4	2.65	75-125	<15	
Selenium	10.0	8.59	85.9	10.0	8.44	84.4	1.76	75-125	<15	
Silver	10.0	8.78	87.8	10.0	8.56	85.6	2.54	75-125	<15	
Thallium	10.0	9.42	94.2	10.0	8.41	84.1	11.3	75-125	<15	
Vanadium	10.0	8.73	87.3	10.0	8.45	84.5	3.26	75-125	<15	
Zinc	10.0	9.41	94.1	10.0	8.96	89.6	4.90	75-125	<15	



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Attn: Ashley Hutchens

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Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74663	10/08/2014	SCS

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1008142A1; Dup or Spiked Sample: 74663.02; LCS: Clean Sand; QC Prepared: 10/08/2014; QC Analyzed: 10/08/2014;
Units: ug/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Benzene	0.00	50.0	39.0	78.0	50.0	44.2	88.4	12.5	75-125	<20
Chlorobenzene	0.00	50.0	36.1 #	72.2	50.0	43.4	86.8	18.4	75-125	<20
1,1-Dichloroethene	0.00	50.0	39.8	79.6	50.0	18.6 #	37.2	72.6	75-125	<20
Methyl-tert-butyl ether (MTBE)	0.00	50.0	41.8	83.6	50.0	63.5 #	127	41.2	75-125	<20
Toluene (Methyl benzene)	0.00	50.0	37.1 #	74.2	50.0	42.0	84.0	12.4	75-125	<20
Trichloroethene	0.00	50.0	41.4	82.8	50.0	39.6	79.2	4.44	75-125	<20
Surrogates										
Bromofluorobenzene	0.00	50.0	51.5	103	50.0	45.9	91.7	11.0	75-125	<20
Dibromofluoromethane	0.00	50.0	48.9	97.7	50.0	63.5	127	30.0	75-125	<20
Toluene-d8	0.00	50.0	48.3	96.6	50.0	43.2	86.3	10.7	75-125	<20

QC Batch No: 1008142A1; Dup or Spiked Sample: 74663.02; LCS: Clean Sand; QC Prepared: 10/08/2014; QC Analyzed: 10/08/2014;
Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Benzene	50.0	52.1	104	50.0	52.9	106	1.90	75-125	<20	
Chlorobenzene	50.0	50.0	100	50.0	49.7	99.0	1.01	75-125	<20	
1,1-Dichloroethene	50.0	55.2	110	50.0	54.0	108	1.83	75-125	<20	
Methyl-tert-butyl ether (MTBE)	50.0	55.9	112	50.0	54.9	110	1.80	75-125	<20	
Toluene (Methyl benzene)	50.0	52.6	105	50.0	52.6	105	<1	75-125	<20	
Trichloroethene	50.0	54.9	110	50.0	54.9	110	<1	75-125	<20	
LCS										
Chloroform (Trichloromethane)	50.0	53.5	107	50.0	52.7	105	1.89	75-125	<20	
Ethylbenzene	50.0	51.5	103	50.0	51.5	103	<1	75-125	<20	
1,1,1-Trichloroethane	50.0	59.7	119	50.0	59.4	119	<1	75-125	<20	
o-Xylene	50.0	49.7	99.4	50.0	49.2	98.0	1.42	75-125	<20	
m,p-Xylenes	100	106	106	100	107	107	<1	75-125	<20	
Surrogates										
Bromofluorobenzene	50.0	50.0	100	50.0	50.8	102	2.00	75-125	<20	
Dibromofluoromethane	50.0	48.0	96.1	50.0	49.9	99.7	3.75	75-125	<20	



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Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74663	10/08/2014	SCS

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1008142A1; Dup or Spiked Sample: 74663.02; LCS: Clean Sand; QC Prepared: 10/08/2014; QC Analyzed: 10/08/2014;
Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Toluene-d8	50.0	50.0	99.9	50.0	48.9	97.7	2.20	75-125	<20	



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Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74663	10/08/2014	SCS

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1009142A1; Dup or Spiked Sample: B1009142A1; LCS: Clean Sand; LCS Prepared: 10/09/2014; LCS Analyzed: 10/09/2014;
Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Benzene	50.0	52.5	105	50.0	50.5	101	3.9	75-125	<20	
Chlorobenzene	50.0	49.7	99.4	50.0	50.0	100	<1	75-125	<20	
1,1-Dichloroethene	50.0	60.0	120	50.0	49.5	99.0	19.2	75-125	<20	
Methyl-tert-butyl ether (MTBE)	50.0	56.0	112	50.0	57.5	115	2.6	75-125	<20	
Toluene (Methyl benzene)	50.0	53.0	106	50.0	51.5	103	2.9	75-125	<20	
Trichloroethene	50.0	57.5	115	50.0	52.5	105	9.1	75-125	<20	
LCS										
Chloroform (Trichloromethane)	50.0	56.0	112	50.0	53.0	106	5.5	75-125	<20	
Ethylbenzene	50.0	51.5	103	50.0	50.0	100	3.0	75-125	<20	
1,1,1-Trichloroethane	50.0	61.5	123	50.0	53.5	107	13.9	75-125	<20	
o-Xylene	50.0	48.8	97.6	50.0	49.5	99.0	1.4	75-125	<20	
m,p-Xylenes	100	107	107	100	104	104	2.8	75-125	<20	
Surrogates										
Bromofluorobenzene	50.0	51.0	102	50.0	48.5	97.0	5.0	75-125	<20	
Dibromofluoromethane	50.0	48.1	96.1	50.0	49.8	99.6	3.6	75-125	<20	
Toluene-d8	50.0	48.8	97.5	50.0	48.9	97.7	<1	75-125	<20	



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Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74663	10/08/2014	SCS

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 100814DB1; Dup or Spiked Sample: 74626.01; LCS: Clean Sand; QC Prepared: 10/08/2014; MS Analyzed: 10/09/2014;
LCS Analyzed: 10/08/2014; Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
TPH as Diesel (C13-C22)	0.00	500	511	102	500	520	104	1.94	75-125	<20
Surrogates										
Chlorobenzene	0.00	100	102	102	100	104	104	1.96	75-125	<20

QC Batch No: 100814DB1; Dup or Spiked Sample: 74626.01; LCS: Clean Sand; QC Prepared: 10/08/2014; MS Analyzed: 10/09/2014;
LCS Analyzed: 10/08/2014; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
TPH as Diesel (C13-C22)	500	527	105	500	530	106	<1	75-125	<20	
Surrogates										
Chlorobenzene	100	115	115	100	112	112	2.61	75-125	<20	



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Attn: Ashley Hutchens

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Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74663	10/08/2014	SCS

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 100814NB1; Dup or Spiked Sample: 74663.02AGA; LCS: Clean Sand; QC Prepared: 10/08/2014; QC Analyzed: 10/08/2014;
Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
TPH as Gasoline and Light HC. (C4-C12)	0.00	1.00	0.610#	60.5	1.00	0.580#	57.9	4.39	75-125	<20
Surrogates										
Bromofluorobenzene	0.00	0.0500	0.0436	87.2	0.0500	0.0415	83.0	4.82	75-125	<20

QC Batch No: 100814NB1; Dup or Spiked Sample: 74663.02AGA; LCS: Clean Sand; QC Prepared: 10/08/2014; QC Analyzed: 10/08/2014;
Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
TPH as Gasoline and Light HC. (C4-C12)	1.00	0.900	90.1	1.00	1.06	106	16.2	75-125	<20	
Surrogates										
Bromofluorobenzene	0.0500	0.0472	94.4	0.0500	0.0486	97.2	2.97	75-125	<20	



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Data Qualifiers and Descriptors

Data Qualifier:

#:	Recovery is not within acceptable control limits.
*:	In the QC section, sample results have been taken directly from the ICP reading. No preparation factor has been applied.
B:	Analyte was present in the Method Blank.
D:	Result is from a diluted analysis.
E:	Result is beyond calibration limits and is estimated.
H:	Analysis was performed over the allowed holding time due to circumstances which were beyond laboratory control.
J:	Analyte was detected. However, the analyte concentration is an estimated value, which is between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).
M:	Matrix spike recovery is outside control limits due to matrix interference. Laboratory Control Sample recovery was acceptable.
MCL:	Maximum Contaminant Level
NS:	No Standard Available
S6:	Surrogate recovery is outside control limits due to matrix interference.
S8:	The analysis of the sample required a dilution such that the surrogate concentration was diluted below the method acceptance criteria.
X:	Results represent LCS and LCSD data.

Definition:

%Limi:	Percent acceptable limits.
%REC:	Percent recovery.
Con.L:	Acceptable Control Limits
Conce:	Added concentration to the sample.
LCS:	Laboratory Control Sample
MDL:	Method Detection Limit is a statistically derived number which is specific for each instrument, each method, and each compound. It indicates a distinctively detectable quantity with 99% probability.



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Data Qualifiers and Descriptors

MS:	Matrix Spike
MS DU:	Matrix Spike Duplicate
ND:	Analyte was not detected in the sample at or above MDL.
PQL:	Practical Quantitation Limit or ML (Minimum Level as per RWQCB) is the minimum concentration that can be quantified with more than 99% confidence. Taking into account all aspects of the entire analytical instrumentation and practice.
Recov:	Recovered concentration in the sample.
RPD:	Relative Percent Difference



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SCS Engineers
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Long Beach, CA 90806-6816

Project ID: 01210161.10
Date Received 10/08/2014
Date Reported 10/09/2014

Telephone: (562)426-9544
Attention: Ashley Hutchens

Job Number	Order Date	Client
74663	10/08/2014	SCS

CERTIFICATE OF ANALYSIS CASE NARRATIVE

AETL received 10 samples with the following specification on 10/08/2014.

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers		
74663.01	B4-1	10/08/2014	Soil	4		
74663.03	B4-3	10/08/2014	Soil	4		
74663.05	B6-2	10/08/2014	Soil	4		
74663.08	B9-2	10/08/2014	Soil	4		
74663.10	B9-4	10/08/2014	Soil	4		
	Method ^ Submethod		Req Date	Priority	TAT	Units
	(8260B)		10/09/2014	2	Rush	ug/Kg
74663.02	B4-2	10/08/2014	Soil			4
74663.04	B6-1	10/08/2014	Soil			4
74663.06	B6-3	10/08/2014	Soil			4
74663.07	B9-1	10/08/2014	Soil			4
74663.09	B9-3	10/08/2014	Soil			4
	Method ^ Submethod		Req Date	Priority	TAT	Units
	(6010B/7000CAM)		10/09/2014	2	Rush	mg/Kg
	(8260B)		10/09/2014	2	Rush	ug/Kg
	(M8015D) ^ C13-C40		10/09/2014	2	Rush	mg/Kg
	(M8015G)		10/09/2014	2	Rush	mg/Kg

The samples were analyzed as specified on the enclosed chain of custody. Analytical non-conformances have been noted on the report.

Unless otherwise noted, all results of soil and solid samples are based on wet weight.

Checked By: 

Approved By: 

Cyrus Razmara, Ph.D.
Laboratory Director



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Page: 2

Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74663	10/08/2014	SCS

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1008142A1

Our Lab I.D.			Method Blank	74663.01	74663.02	74663.03	
Client Sample I.D.				B4-1	B4-2	B4-3	
Date Sampled				10/08/2014	10/08/2014	10/08/2014	
Date Prepared			10/08/2014	10/08/2014	10/08/2014	10/08/2014	
Preparation Method			5030	5035A	5035A	5035A	
Date Analyzed			10/08/2014	10/08/2014	10/08/2014	10/08/2014	
Matrix			Soil	Soil	Soil	Soil	
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	
Dilution Factor			1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	
Acetone	25	50	ND	ND	ND	ND	
Benzene	1.0	10.0	ND	ND	ND	ND	
Bromobenzene (Phenyl bromide)	5.0	10.0	ND	ND	ND	ND	
Bromochloromethane	5.0	10.0	ND	ND	ND	ND	
Bromodichloromethane	5.0	10.0	ND	ND	ND	ND	
Bromoform (Tribromomethane)	25	50	ND	ND	ND	ND	
Bromomethane (Methyl bromide)	15	30	ND	ND	ND	ND	
2-Butanone (MEK)	25	50	ND	ND	ND	ND	
n-Butylbenzene	5.0	10.0	ND	ND	ND	ND	
sec-Butylbenzene	5.0	10.0	ND	ND	ND	ND	
tert-Butylbenzene	5.0	10.0	ND	ND	ND	ND	
Carbon Disulfide	25	50	ND	ND	ND	ND	
Carbon tetrachloride	5.0	10.0	ND	ND	ND	ND	
Chlorobenzene	5.0	10.0	ND	ND	ND	ND	
Chloroethane	15	30	ND	ND	ND	ND	
2-Chloroethyl vinyl ether	50	50	ND	ND	ND	ND	
Chloroform (Trichloromethane)	5.0	10.0	ND	ND	ND	ND	
Chloromethane (Methyl chloride)	15	30	ND	ND	ND	ND	
2-Chlorotoluene	5.0	10.0	ND	ND	ND	ND	
4-Chlorotoluene	5.0	10.0	ND	ND	ND	ND	
1,2-Dibromo-3-chloropropane (DBCP)	25	50	ND	ND	ND	ND	
Dibromochloromethane	5.0	10.0	ND	ND	ND	ND	
1,2-Dibromoethane (EDB)	5.0	10.0	ND	ND	ND	ND	
Dibromomethane	5.0	10.0	ND	ND	ND	ND	
1,2-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	
1,3-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	
1,4-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	



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ANALYTICAL RESULTS

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Project ID: 01210161.10
Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74663	10/08/2014	SCS

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1008142A1

Our Lab I.D.			Method Blank	74663.01	74663.02	74663.03	
Client Sample I.D.				B4-1	B4-2	B4-3	
Date Sampled				10/08/2014	10/08/2014	10/08/2014	
Date Prepared			10/08/2014	10/08/2014	10/08/2014	10/08/2014	
Preparation Method			5030	5035A	5035A	5035A	
Date Analyzed			10/08/2014	10/08/2014	10/08/2014	10/08/2014	
Matrix			Soil	Soil	Soil	Soil	
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	
Dilution Factor			1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	
Dichlorodifluoromethane	15	30	ND	ND	ND	ND	
1,1-Dichloroethane	5.0	10.0	ND	ND	ND	ND	
1,2-Dichloroethane (EDC)	5.0	10.0	ND	ND	ND	ND	
1,1-Dichloroethene	5.0	10.0	ND	ND	ND	ND	
cis-1,2-Dichloroethene	5.0	10.0	ND	ND	ND	ND	
trans-1,2-Dichloroethene	5.0	10.0	ND	ND	ND	ND	
1,2-Dichloropropane	5.0	10.0	ND	ND	ND	ND	
1,3-Dichloropropane	5.0	10.0	ND	ND	ND	ND	
2,2-Dichloropropane	5.0	10.0	ND	ND	ND	ND	
1,1-Dichloropropene	5.0	10.0	ND	ND	ND	ND	
cis-1,3-Dichloropropene	5.0	10.0	ND	ND	ND	ND	
trans-1,3-Dichloropropene	5.0	10.0	ND	ND	ND	ND	
Ethylbenzene	1.0	10.0	ND	ND	ND	ND	
Hexachlorobutadiene	15	30	ND	ND	ND	ND	
2-Hexanone	25	50	ND	ND	ND	ND	
Iodomethane	5.0	10.0	ND	ND	ND	ND	
Isopropylbenzene	5.0	10.0	ND	ND	ND	ND	
p-Isopropyltoluene	5.0	10.0	ND	ND	ND	ND	
4-Methyl-2-pentanone (MIBK)	25	50	ND	ND	ND	ND	
Methyl-tert-butyl ether (MTBE)	2.0	10.0	ND	ND	ND	ND	
Methylene chloride (DCM)	25	50	ND	ND	ND	ND	
Naphthalene	5.0	10.0	ND	ND	ND	ND	
n-Propylbenzene	5.0	10.0	ND	ND	ND	ND	
Styrene	5.0	10.0	ND	ND	ND	ND	
1,1,1,2-Tetrachloroethane	5.0	10.0	ND	ND	ND	ND	
1,1,2,2-Tetrachloroethane	5.0	10.0	ND	ND	ND	ND	
Tetrachloroethene	2.0	10.0	ND	ND	ND	ND	
Toluene (Methyl benzene)	1.0	10.0	ND	ND	ND	ND	
1,2,3-Trichlorobenzene	5.0	10.0	ND	ND	ND	ND	
1,2,4-Trichlorobenzene	5.0	10.0	ND	ND	ND	ND	
1,1,1-Trichloroethane	5.0	10.0	ND	ND	ND	ND	
1,1,2-Trichloroethane	5.0	10.0	ND	ND	ND	ND	
Trichloroethene	1.5	10.0	ND	ND	ND	ND	
Trichlorofluoromethane	5.0	10.0	ND	ND	ND	ND	



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ANALYTICAL RESULTS

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Project ID: 01210161.10
Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74663	10/08/2014	SCS

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1008142A1

Our Lab I.D.			Method Blank	74663.01	74663.02	74663.03	
Client Sample I.D.				B4-1	B4-2	B4-3	
Date Sampled				10/08/2014	10/08/2014	10/08/2014	
Date Prepared			10/08/2014	10/08/2014	10/08/2014	10/08/2014	
Preparation Method			5030	5035A	5035A	5035A	
Date Analyzed			10/08/2014	10/08/2014	10/08/2014	10/08/2014	
Matrix			Soil	Soil	Soil	Soil	
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	
Dilution Factor			1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	
1,2,3-Trichloropropane	5.0	10.0	ND	ND	ND	ND	
1,2,4-Trimethylbenzene	5.0	10.0	ND	ND	ND	ND	
1,3,5-Trimethylbenzene	5.0	10.0	ND	ND	ND	ND	
Vinyl Acetate	25	50	ND	ND	ND	ND	
Vinyl chloride (Chloroethene)	5.0	10.0	ND	ND	ND	ND	
o-Xylene	1.0	10.0	ND	ND	ND	ND	
m,p-Xylenes	1.0	20.0	ND	ND	ND	ND	
Our Lab I.D.			Method Blank	74663.01	74663.02	74663.03	
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	
Bromofluorobenzene	75-125		103	102	100	97.6	
Dibromofluoromethane	75-125		111	119	118	114	
Toluene-d8	75-125		102	99.0	98.5	98.6	



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Attn: Ashley Hutchens

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Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74663	10/08/2014	SCS

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1009142A1

Our Lab I.D.			Method Blank	74663.04			
Client Sample I.D.				B6-1			
Date Sampled				10/08/2014			
Date Prepared			10/09/2014	10/09/2014			
Preparation Method			5030	5035A			
Date Analyzed			10/09/2014	10/09/2014			
Matrix			Soil	Soil			
Units			ug/Kg	ug/Kg			
Dilution Factor			1	1			
Analytes	MDL	PQL	Results	Results			
Acetone	25	50	ND	ND			
Benzene	1.0	10.0	ND	ND			
Bromobenzene (Phenyl bromide)	5.0	10.0	ND	ND			
Bromochloromethane	5.0	10.0	ND	ND			
Bromodichloromethane	5.0	10.0	ND	ND			
Bromoform (Tribromomethane)	25	50	ND	ND			
Bromomethane (Methyl bromide)	15	30	ND	ND			
2-Butanone (MEK)	25	50	ND	ND			
n-Butylbenzene	5.0	10.0	ND	ND			
sec-Butylbenzene	5.0	10.0	ND	ND			
tert-Butylbenzene	5.0	10.0	ND	ND			
Carbon Disulfide	25	50	ND	ND			
Carbon tetrachloride	5.0	10.0	ND	ND			
Chlorobenzene	5.0	10.0	ND	ND			
Chloroethane	15	30	ND	ND			
2-Chloroethyl vinyl ether	50	50	ND	ND			
Chloroform (Trichloromethane)	5.0	10.0	ND	ND			
Chloromethane (Methyl chloride)	15	30	ND	ND			
2-Chlorotoluene	5.0	10.0	ND	ND			
4-Chlorotoluene	5.0	10.0	ND	ND			
1,2-Dibromo-3-chloropropane (DBCP)	25	50	ND	ND			
Dibromochloromethane	5.0	10.0	ND	ND			
1,2-Dibromoethane (EDB)	5.0	10.0	ND	ND			
Dibromomethane	5.0	10.0	ND	ND			
1,2-Dichlorobenzene	5.0	10.0	ND	ND			
1,3-Dichlorobenzene	5.0	10.0	ND	ND			
1,4-Dichlorobenzene	5.0	10.0	ND	ND			



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ANALYTICAL RESULTS

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Project ID: 01210161.10
Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74663	10/08/2014	SCS

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1009142A1

Our Lab I.D.		Method Blank	74663.04			
Client Sample I.D.			B6-1			
Date Sampled			10/08/2014			
Date Prepared		10/09/2014	10/09/2014			
Preparation Method		5030	5035A			
Date Analyzed		10/09/2014	10/09/2014			
Matrix		Soil	Soil			
Units		ug/Kg	ug/Kg			
Dilution Factor		1	1			
Analytes	MDL	PQL	Results	Results		
Dichlorodifluoromethane	15	30	ND	ND		
1,1-Dichloroethane	5.0	10.0	ND	ND		
1,2-Dichloroethane (EDC)	5.0	10.0	ND	ND		
1,1-Dichloroethene	5.0	10.0	ND	ND		
cis-1,2-Dichloroethene	5.0	10.0	ND	ND		
trans-1,2-Dichloroethene	5.0	10.0	ND	ND		
1,2-Dichloropropane	5.0	10.0	ND	ND		
1,3-Dichloropropane	5.0	10.0	ND	ND		
2,2-Dichloropropane	5.0	10.0	ND	ND		
1,1-Dichloropropene	5.0	10.0	ND	ND		
cis-1,3-Dichloropropene	5.0	10.0	ND	ND		
trans-1,3-Dichloropropene	5.0	10.0	ND	ND		
Ethylbenzene	1.0	10.0	ND	ND		
Hexachlorobutadiene	15	30	ND	ND		
2-Hexanone	25	50	ND	ND		
Iodomethane	5.0	10.0	ND	ND		
Isopropylbenzene	5.0	10.0	ND	ND		
p-Isopropyltoluene	5.0	10.0	ND	ND		
4-Methyl-2-pentanone (MIBK)	25	50	ND	ND		
Methyl-tert-butyl ether (MTBE)	2.0	10.0	ND	ND		
Methylene chloride (DCM)	25	50	ND	ND		
Naphthalene	5.0	10.0	ND	ND		
n-Propylbenzene	5.0	10.0	ND	ND		
Styrene	5.0	10.0	ND	ND		
1,1,1,2-Tetrachloroethane	5.0	10.0	ND	ND		
1,1,2,2-Tetrachloroethane	5.0	10.0	ND	ND		
Tetrachloroethene	2.0	10.0	ND	ND		
Toluene (Methyl benzene)	1.0	10.0	ND	ND		
1,2,3-Trichlorobenzene	5.0	10.0	ND	ND		
1,2,4-Trichlorobenzene	5.0	10.0	ND	ND		
1,1,1-Trichloroethane	5.0	10.0	ND	ND		
1,1,2-Trichloroethane	5.0	10.0	ND	ND		
Trichloroethene	1.5	10.0	ND	ND		
Trichlorofluoromethane	5.0	10.0	ND	ND		



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ANALYTICAL RESULTS

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Project ID: 01210161.10
Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74663	10/08/2014	SCS

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1009142A1

Our Lab I.D.		Method Blank	74663.04			
Client Sample I.D.			B6-1			
Date Sampled			10/08/2014			
Date Prepared		10/09/2014	10/09/2014			
Preparation Method		5030	5035A			
Date Analyzed		10/09/2014	10/09/2014			
Matrix		Soil	Soil			
Units		ug/Kg	ug/Kg			
Dilution Factor		1	1			
Analytes	MDL	PQL	Results	Results		
1,2,3-Trichloropropane	5.0	10.0	ND	ND		
1,2,4-Trimethylbenzene	5.0	10.0	ND	ND		
1,3,5-Trimethylbenzene	5.0	10.0	ND	ND		
Vinyl Acetate	25	50	ND	ND		
Vinyl chloride (Chloroethene)	5.0	10.0	ND	ND		
o-Xylene	1.0	10.0	ND	ND		
m,p-Xylenes	1.0	20.0	ND	ND		
Our Lab I.D.		Method Blank	74663.04			
Surrogates	%Rec.Limit		% Rec.	% Rec.		
Bromofluorobenzene	75-125		98.2	99.0		
Dibromofluoromethane	75-125		109	108		
Toluene-d8	75-125		104	97.8		



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Attn: Ashley Hutchens

Page: 8

Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74663	10/08/2014	SCS

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1008142A1

Our Lab I.D.			74663.05	74663.06	74663.07	74663.08	74663.09
Client Sample I.D.			B6-2	B6-3	B9-1	B9-2	B9-3
Date Sampled			10/08/2014	10/08/2014	10/08/2014	10/08/2014	10/08/2014
Date Prepared			10/08/2014	10/08/2014	10/08/2014	10/08/2014	10/08/2014
Preparation Method			5035A	5035A	5035A	5035A	5035A
Date Analyzed			10/08/2014	10/08/2014	10/08/2014	10/08/2014	10/08/2014
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Acetone	25	50	ND	ND	ND	ND	ND
Benzene	1.0	10.0	ND	ND	ND	ND	ND
Bromobenzene (Phenyl bromide)	5.0	10.0	ND	ND	ND	ND	ND
Bromochloromethane	5.0	10.0	ND	ND	ND	ND	ND
Bromodichloromethane	5.0	10.0	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	25	50	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	15	30	ND	ND	ND	ND	ND
2-Butanone (MEK)	25	50	ND	ND	ND	ND	ND
n-Butylbenzene	5.0	10.0	ND	ND	ND	ND	ND
sec-Butylbenzene	5.0	10.0	ND	ND	ND	ND	ND
tert-Butylbenzene	5.0	10.0	ND	ND	ND	ND	ND
Carbon Disulfide	25	50	ND	ND	ND	ND	ND
Carbon tetrachloride	5.0	10.0	ND	ND	ND	ND	ND
Chlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
Chloroethane	15	30	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	50	50	ND	ND	ND	ND	ND
Chloroform (Trichloromethane)	5.0	10.0	ND	ND	ND	ND	ND
Chloromethane (Methyl chloride)	15	30	ND	ND	ND	ND	ND
2-Chlorotoluene	5.0	10.0	ND	ND	ND	ND	ND
4-Chlorotoluene	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	25	50	ND	ND	ND	ND	ND
Dibromochloromethane	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB)	5.0	10.0	ND	ND	ND	ND	ND
Dibromomethane	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND



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ANALYTICAL RESULTS

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Project ID: 01210161.10
Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74663	10/08/2014	SCS

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1008142A1

Our Lab I.D.			74663.05	74663.06	74663.07	74663.08	74663.09
Client Sample I.D.			B6-2	B6-3	B9-1	B9-2	B9-3
Date Sampled			10/08/2014	10/08/2014	10/08/2014	10/08/2014	10/08/2014
Date Prepared			10/08/2014	10/08/2014	10/08/2014	10/08/2014	10/08/2014
Preparation Method			5035A	5035A	5035A	5035A	5035A
Date Analyzed			10/08/2014	10/08/2014	10/08/2014	10/08/2014	10/08/2014
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Dichlorodifluoromethane	15	30	ND	ND	ND	ND	ND
1,1-Dichloroethane	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dichloroethane (EDC)	5.0	10.0	ND	ND	ND	ND	ND
1,1-Dichloroethene	5.0	10.0	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5.0	10.0	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dichloropropane	5.0	10.0	ND	ND	ND	ND	ND
1,3-Dichloropropane	5.0	10.0	ND	ND	ND	ND	ND
2,2-Dichloropropane	5.0	10.0	ND	ND	ND	ND	ND
1,1-Dichloropropene	5.0	10.0	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	5.0	10.0	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	5.0	10.0	ND	ND	ND	ND	ND
Ethylbenzene	1.0	10.0	ND	ND	ND	ND	ND
Hexachlorobutadiene	15	30	ND	ND	ND	ND	ND
2-Hexanone	25	50	ND	ND	ND	ND	ND
Iodomethane	5.0	10.0	ND	ND	ND	ND	ND
Isopropylbenzene	5.0	10.0	ND	ND	ND	ND	ND
p-Isopropyltoluene	5.0	10.0	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK)	25	50	ND	ND	ND	ND	ND
Methyl-tert-butyl ether (MTBE)	2.0	10.0	ND	ND	ND	ND	ND
Methylene chloride (DCM)	25	50	ND	ND	ND	ND	ND
Naphthalene	5.0	10.0	ND	ND	ND	ND	ND
n-Propylbenzene	5.0	10.0	ND	ND	ND	ND	ND
Styrene	5.0	10.0	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	5.0	10.0	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	5.0	10.0	ND	ND	ND	ND	ND
Tetrachloroethene	2.0	10.0	ND	ND	ND	ND	ND
Toluene (Methyl benzene)	1.0	10.0	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5.0	10.0	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	5.0	10.0	ND	ND	ND	ND	ND
Trichloroethene	1.5	10.0	ND	ND	ND	ND	ND
Trichlorofluoromethane	5.0	10.0	ND	ND	ND	ND	ND



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ANALYTICAL RESULTS

Page: **10**

Project ID: 01210161.10
Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74663	10/08/2014	SCS

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1008142A1

Our Lab I.D.			74663.05	74663.06	74663.07	74663.08	74663.09
Client Sample I.D.			B6-2	B6-3	B9-1	B9-2	B9-3
Date Sampled			10/08/2014	10/08/2014	10/08/2014	10/08/2014	10/08/2014
Date Prepared			10/08/2014	10/08/2014	10/08/2014	10/08/2014	10/08/2014
Preparation Method			5035A	5035A	5035A	5035A	5035A
Date Analyzed			10/08/2014	10/08/2014	10/08/2014	10/08/2014	10/08/2014
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
1,2,3-Trichloropropane	5.0	10.0	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	5.0	10.0	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	5.0	10.0	ND	ND	ND	ND	ND
Vinyl Acetate	25	50	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	5.0	10.0	ND	ND	ND	ND	ND
o-Xylene	1.0	10.0	ND	ND	ND	ND	ND
m,p-Xylenes	1.0	20.0	ND	ND	ND	ND	ND
Our Lab I.D.			74663.05	74663.06	74663.07	74663.08	74663.09
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Bromofluorobenzene	75-125		101	96.5	105	102	111
Dibromofluoromethane	75-125		115	122	116	118	108
Toluene-d8	75-125		97.0	92.2	96.4	94.6	102



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Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74663	10/08/2014	SCS

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1008142A1

Our Lab I.D.			74663.10			
Client Sample I.D.			B9-4			
Date Sampled			10/08/2014			
Date Prepared			10/08/2014			
Preparation Method			5035A			
Date Analyzed			10/08/2014			
Matrix			Soil			
Units			ug/Kg			
Dilution Factor			1			
Analytes	MDL	PQL	Results			
Acetone	25	50	ND			
Benzene	1.0	10.0	ND			
Bromobenzene (Phenyl bromide)	5.0	10.0	ND			
Bromochloromethane	5.0	10.0	ND			
Bromodichloromethane	5.0	10.0	ND			
Bromoform (Tribromomethane)	25	50	ND			
Bromomethane (Methyl bromide)	15	30	ND			
2-Butanone (MEK)	25	50	ND			
n-Butylbenzene	5.0	10.0	ND			
sec-Butylbenzene	5.0	10.0	ND			
tert-Butylbenzene	5.0	10.0	ND			
Carbon Disulfide	25	50	ND			
Carbon tetrachloride	5.0	10.0	ND			
Chlorobenzene	5.0	10.0	ND			
Chloroethane	15	30	ND			
2-Chloroethyl vinyl ether	50	50	ND			
Chloroform (Trichloromethane)	5.0	10.0	ND			
Chloromethane (Methyl chloride)	15	30	ND			
2-Chlorotoluene	5.0	10.0	ND			
4-Chlorotoluene	5.0	10.0	ND			
1,2-Dibromo-3-chloropropane (DBCP)	25	50	ND			
Dibromochloromethane	5.0	10.0	ND			
1,2-Dibromoethane (EDB)	5.0	10.0	ND			
Dibromomethane	5.0	10.0	ND			
1,2-Dichlorobenzene	5.0	10.0	ND			
1,3-Dichlorobenzene	5.0	10.0	ND			
1,4-Dichlorobenzene	5.0	10.0	ND			



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ANALYTICAL RESULTS

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Project ID: 01210161.10
Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74663	10/08/2014	SCS

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1008142A1

Our Lab I.D.		74663.10				
Client Sample I.D.		B9-4				
Date Sampled		10/08/2014				
Date Prepared		10/08/2014				
Preparation Method		5035A				
Date Analyzed		10/08/2014				
Matrix		Soil				
Units		ug/Kg				
Dilution Factor		1				
Analytes	MDL	PQL	Results			
Dichlorodifluoromethane	15	30	ND			
1,1-Dichloroethane	5.0	10.0	ND			
1,2-Dichloroethane (EDC)	5.0	10.0	ND			
1,1-Dichloroethene	5.0	10.0	ND			
cis-1,2-Dichloroethene	5.0	10.0	ND			
trans-1,2-Dichloroethene	5.0	10.0	ND			
1,2-Dichloropropane	5.0	10.0	ND			
1,3-Dichloropropane	5.0	10.0	ND			
2,2-Dichloropropane	5.0	10.0	ND			
1,1-Dichloropropene	5.0	10.0	ND			
cis-1,3-Dichloropropene	5.0	10.0	ND			
trans-1,3-Dichloropropene	5.0	10.0	ND			
Ethylbenzene	1.0	10.0	ND			
Hexachlorobutadiene	15	30	ND			
2-Hexanone	25	50	ND			
Iodomethane	5.0	10.0	ND			
Isopropylbenzene	5.0	10.0	ND			
p-Isopropyltoluene	5.0	10.0	ND			
4-Methyl-2-pentanone (MIBK)	25	50	ND			
Methyl-tert-butyl ether (MTBE)	2.0	10.0	ND			
Methylene chloride (DCM)	25	50	ND			
Naphthalene	5.0	10.0	ND			
n-Propylbenzene	5.0	10.0	ND			
Styrene	5.0	10.0	ND			
1,1,1,2-Tetrachloroethane	5.0	10.0	ND			
1,1,2,2-Tetrachloroethane	5.0	10.0	ND			
Tetrachloroethene	2.0	10.0	ND			
Toluene (Methyl benzene)	1.0	10.0	ND			
1,2,3-Trichlorobenzene	5.0	10.0	ND			
1,2,4-Trichlorobenzene	5.0	10.0	ND			
1,1,1-Trichloroethane	5.0	10.0	ND			
1,1,2-Trichloroethane	5.0	10.0	ND			
Trichloroethene	1.5	10.0	ND			
Trichlorofluoromethane	5.0	10.0	ND			



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ANALYTICAL RESULTS

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Project ID: 01210161.10
Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74663	10/08/2014	SCS

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1008142A1

Our Lab I.D.		74663.10				
Client Sample I.D.		B9-4				
Date Sampled		10/08/2014				
Date Prepared		10/08/2014				
Preparation Method		5035A				
Date Analyzed		10/08/2014				
Matrix		Soil				
Units		ug/Kg				
Dilution Factor		1				
Analytes	MDL	PQL	Results			
1,2,3-Trichloropropane	5.0	10.0	ND			
1,2,4-Trimethylbenzene	5.0	10.0	ND			
1,3,5-Trimethylbenzene	5.0	10.0	ND			
Vinyl Acetate	25	50	ND			
Vinyl chloride (Chloroethene)	5.0	10.0	ND			
o-Xylene	1.0	10.0	ND			
m,p-Xylenes	1.0	20.0	ND			
Our Lab I.D.		74663.10				
Surrogates	%Rec.Limit	% Rec.				
Bromofluorobenzene	75-125	101				
Dibromofluoromethane	75-125	120				
Toluene-d8	75-125	99.3				



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Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74663	10/08/2014	SCS

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 100814NB1

Our Lab I.D.			Method Blank	74663.02	74663.04	74663.06	74663.07
Client Sample I.D.				B4-2	B6-1	B6-3	B9-1
Date Sampled				10/08/2014	10/08/2014	10/08/2014	10/08/2014
Date Prepared			10/08/2014	10/08/2014	10/08/2014	10/08/2014	10/08/2014
Preparation Method			5030	5035A	5035A	5035A	5035A
Date Analyzed			10/08/2014	10/08/2014	10/08/2014	10/08/2014	10/08/2014
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes		MDL	PQL	Results	Results	Results	Results
TPH as Gasoline and Light HC. (C4-C12)		0.100	1.000	ND	ND	ND	ND
Our Lab I.D.			Method Blank	74663.02	74663.04	74663.06	74663.07
Surrogates		%Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Bromofluorobenzene		75-125	83.8	82.2	93.6	98.0	103



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Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74663	10/08/2014	SCS

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 100814NB1

Our Lab I.D.		74663.09				
Client Sample I.D.		B9-3				
Date Sampled		10/08/2014				
Date Prepared		10/08/2014				
Preparation Method		5035A				
Date Analyzed		10/08/2014				
Matrix		Soil				
Units		mg/Kg				
Dilution Factor		1				
Analytes	MDL	PQL	Results			
TPH as Gasoline and Light HC. (C4-C12)	0.100	1.000	ND			
Our Lab I.D.		74663.09				
Surrogates	%Rec.Limit		% Rec.			
Bromofluorobenzene	75-125		104			



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Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74663	10/08/2014	SCS

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 100814DB1

Our Lab I.D.			Method Blank	74663.02	74663.04	74663.06	74663.07
Client Sample I.D.				B4-2	B6-1	B6-3	B9-1
Date Sampled				10/08/2014	10/08/2014	10/08/2014	10/08/2014
Date Prepared			10/08/2014	10/08/2014	10/08/2014	10/08/2014	10/08/2014
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			10/08/2014	10/08/2014	10/08/2014	10/08/2014	10/08/2014
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes		MDL	PQL	Results	Results	Results	Results
TPH as Diesel (C13-C22)		1.0	5.0	ND	ND	ND	ND
TPH as Heavy Hydrocarbons (C23-C40)		1.0	5.0	ND	ND	ND	ND
TPH Total as Diesel and Heavy HC.C13-C40		1.0	5.0	ND	ND	ND	ND
Our Lab I.D.				Method Blank	74663.02	74663.04	74663.06
Surrogates		%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.
Chlorobenzene		75-125		119	113	105	111



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Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74663	10/08/2014	SCS

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 100814DB1

Our Lab I.D.		74663.09				
Client Sample I.D.		B9-3				
Date Sampled		10/08/2014				
Date Prepared		10/08/2014				
Preparation Method		3550B				
Date Analyzed		10/08/2014				
Matrix		Soil				
Units		mg/Kg				
Dilution Factor		1				
Analytes		MDL	PQL	Results		
TPH as Diesel (C13-C22)		1.0	5.0	ND		
TPH as Heavy Hydrocarbons (C23-C40)		1.0	5.0	ND		
TPH Total as Diesel and Heavy HC.C13-C40		1.0	5.0	ND		
Our Lab I.D.				74663.09		
Surrogates		%Rec.Limit		% Rec.		
Chlorobenzene		75-125		111		



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Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74663	10/08/2014	SCS

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 1008141C1

Our Lab I.D.			Method Blank	74663.02	74663.04	74663.06	74663.07
Client Sample I.D.				B4-2	B6-1	B6-3	B9-1
Date Sampled				10/08/2014	10/08/2014	10/08/2014	10/08/2014
Date Prepared			10/08/2014	10/08/2014	10/08/2014	10/08/2014	10/08/2014
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			10/09/2014	10/09/2014	10/09/2014	10/09/2014	10/09/2014
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
Antimony	1.0	5.0	ND	ND	ND	ND	ND
Arsenic	1.0	5.0	ND	ND	ND	ND	ND
Barium	2.5	5.0	ND	49.4	44.8	54.1	69.4
Beryllium	1.3	2.5	ND	ND	ND	ND	ND
Cadmium	1.3	2.5	ND	ND	ND	ND	ND
Chromium	2.5	5.0	ND	6.91	5.01	5.76	8.06
Cobalt	2.5	5.0	ND	2.87J	2.84J	3.57J	4.17J
Copper	2.5	5.0	ND	6.41	6.21	6.19	11.8
Lead	2.5	5.0	ND	ND	ND	ND	3.21J
Mercury (By EPA 7471)	0.1	0.2	ND	ND	ND	ND	ND
Molybdenum	2.5	5.0	ND	ND	ND	ND	ND
Nickel	2.5	5.0	ND	4.23J	3.41J	3.84J	5.20
Selenium	1.0	5.0	ND	ND	ND	ND	ND
Silver	2.5	5.0	ND	ND	ND	ND	ND
Thallium	1.0	5.0	ND	ND	ND	ND	ND
Vanadium	2.5	5.0	ND	14.6	13.2	15.0	22.3
Zinc	2.5	5.0	ND	21.9	21.4	23.6	34.7



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Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74663	10/08/2014	SCS

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 1008141C1

Our Lab I.D.		74663.09				
Client Sample I.D.		B9-3				
Date Sampled		10/08/2014				
Date Prepared		10/08/2014				
Preparation Method		3050B				
Date Analyzed		10/09/2014				
Matrix		Soil				
Units		mg/Kg				
Dilution Factor		1				
Analytes	MDL	PQL	Results			
Antimony	1.0	5.0	ND			
Arsenic	1.0	5.0	ND			
Barium	2.5	5.0	56.2			
Beryllium	1.3	2.5	ND			
Cadmium	1.3	2.5	ND			
Chromium	2.5	5.0	4.78J			
Cobalt	2.5	5.0	2.66J			
Copper	2.5	5.0	5.14			
Lead	2.5	5.0	ND			
Mercury (By EPA 7471)	0.1	0.2	ND			
Molybdenum	2.5	5.0	ND			
Nickel	2.5	5.0	2.93J			
Selenium	1.0	5.0	ND			
Silver	2.5	5.0	ND			
Thallium	1.0	5.0	ND			
Vanadium	2.5	5.0	12.4			
Zinc	2.5	5.0	20.7			



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Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74663	10/08/2014	SCS

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 1008141C1; LCS: Clean Sand; LCS Prepared: 10/08/2014; LCS Analyzed: 10/09/2014; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Antimony	10.0	9.29	92.9	10.0	8.64	86.4	7.25	75-125	<15	
Arsenic	10.0	9.22	92.2	10.0	8.89	88.9	3.64	75-125	<15	
Barium	10.0	9.27	92.7	10.0	8.68	86.8	6.57	75-125	<15	
Beryllium	10.0	8.98	89.8	10.0	8.34	83.4	7.39	75-125	<15	
Cadmium	10.0	8.78	87.8	10.0	8.55	85.5	2.65	75-125	<15	
Chromium	10.0	8.73	87.3	10.0	8.60	86.0	1.50	75-125	<15	
Cobalt	10.0	9.32	93.2	10.0	9.32	93.2	<1	75-125	<15	
Copper	10.0	9.44	94.4	10.0	8.70	87.0	8.16	75-125	<15	
Lead	10.0	8.96	89.6	10.0	8.52	85.2	5.03	75-125	<15	
Mercury (By EPA 7471)	0.500	0.461	92.1	0.500	0.460	92.0	<1	75-125	<15	
Molybdenum	10.0	7.99	79.9	10.0	7.89	78.9	1.26	75-125	<15	
Nickel	10.0	9.18	91.8	10.0	8.94	89.4	2.65	75-125	<15	
Selenium	10.0	8.59	85.9	10.0	8.44	84.4	1.76	75-125	<15	
Silver	10.0	8.78	87.8	10.0	8.56	85.6	2.54	75-125	<15	
Thallium	10.0	9.42	94.2	10.0	8.41	84.1	11.3	75-125	<15	
Vanadium	10.0	8.73	87.3	10.0	8.45	84.5	3.26	75-125	<15	
Zinc	10.0	9.41	94.1	10.0	8.96	89.6	4.90	75-125	<15	



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Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74663	10/08/2014	SCS

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1008142A1; Dup or Spiked Sample: 74663.02; LCS: Clean Sand; QC Prepared: 10/08/2014; QC Analyzed: 10/08/2014;
Units: ug/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Benzene	0.00	50.0	39.0	78.0	50.0	44.2	88.4	12.5	75-125	<20
Chlorobenzene	0.00	50.0	36.1 #	72.2	50.0	43.4	86.8	18.4	75-125	<20
1,1-Dichloroethene	0.00	50.0	39.8	79.6	50.0	18.6 #	37.2	72.6	75-125	<20
Methyl-tert-butyl ether (MTBE)	0.00	50.0	41.8	83.6	50.0	63.5 #	127	41.2	75-125	<20
Toluene (Methyl benzene)	0.00	50.0	37.1 #	74.2	50.0	42.0	84.0	12.4	75-125	<20
Trichloroethene	0.00	50.0	41.4	82.8	50.0	39.6	79.2	4.44	75-125	<20
Surrogates										
Bromofluorobenzene	0.00	50.0	51.5	103	50.0	45.9	91.7	11.0	75-125	<20
Dibromofluoromethane	0.00	50.0	48.9	97.7	50.0	63.5	127	30.0	75-125	<20
Toluene-d8	0.00	50.0	48.3	96.6	50.0	43.2	86.3	10.7	75-125	<20

QC Batch No: 1008142A1; Dup or Spiked Sample: 74663.02; LCS: Clean Sand; QC Prepared: 10/08/2014; QC Analyzed: 10/08/2014;
Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Benzene	50.0	52.1	104	50.0	52.9	106	1.90	75-125	<20	
Chlorobenzene	50.0	50.0	100	50.0	49.7	99.0	1.01	75-125	<20	
1,1-Dichloroethene	50.0	55.2	110	50.0	54.0	108	1.83	75-125	<20	
Methyl-tert-butyl ether (MTBE)	50.0	55.9	112	50.0	54.9	110	1.80	75-125	<20	
Toluene (Methyl benzene)	50.0	52.6	105	50.0	52.6	105	<1	75-125	<20	
Trichloroethene	50.0	54.9	110	50.0	54.9	110	<1	75-125	<20	
LCS										
Chloroform (Trichloromethane)	50.0	53.5	107	50.0	52.7	105	1.89	75-125	<20	
Ethylbenzene	50.0	51.5	103	50.0	51.5	103	<1	75-125	<20	
1,1,1-Trichloroethane	50.0	59.7	119	50.0	59.4	119	<1	75-125	<20	
o-Xylene	50.0	49.7	99.4	50.0	49.2	98.0	1.42	75-125	<20	
m,p-Xylenes	100	106	106	100	107	107	<1	75-125	<20	
Surrogates										
Bromofluorobenzene	50.0	50.0	100	50.0	50.8	102	2.00	75-125	<20	
Dibromofluoromethane	50.0	48.0	96.1	50.0	49.9	99.7	3.75	75-125	<20	



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QUALITY CONTROL RESULTS

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Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74663	10/08/2014	SCS

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1008142A1; Dup or Spiked Sample: 74663.02; LCS: Clean Sand; QC Prepared: 10/08/2014; QC Analyzed: 10/08/2014;
Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Toluene-d8	50.0	50.0	99.9	50.0	48.9	97.7	2.20	75-125	<20	



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Site

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1409 San Francisco Ave

Telephone: (562)426-9544

Attn: Ashley Hutchens

Page: **23**

Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74663	10/08/2014	SCS

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1009142A1; Dup or Spiked Sample: B1009142A1; LCS: Clean Sand; LCS Prepared: 10/09/2014; LCS Analyzed: 10/09/2014;
Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Benzene	50.0	52.5	105	50.0	50.5	101	3.9	75-125	<20	
Chlorobenzene	50.0	49.7	99.4	50.0	50.0	100	<1	75-125	<20	
1,1-Dichloroethene	50.0	60.0	120	50.0	49.5	99.0	19.2	75-125	<20	
Methyl-tert-butyl ether (MTBE)	50.0	56.0	112	50.0	57.5	115	2.6	75-125	<20	
Toluene (Methyl benzene)	50.0	53.0	106	50.0	51.5	103	2.9	75-125	<20	
Trichloroethene	50.0	57.5	115	50.0	52.5	105	9.1	75-125	<20	
LCS										
Chloroform (Trichloromethane)	50.0	56.0	112	50.0	53.0	106	5.5	75-125	<20	
Ethylbenzene	50.0	51.5	103	50.0	50.0	100	3.0	75-125	<20	
1,1,1-Trichloroethane	50.0	61.5	123	50.0	53.5	107	13.9	75-125	<20	
o-Xylene	50.0	48.8	97.6	50.0	49.5	99.0	1.4	75-125	<20	
m,p-Xylenes	100	107	107	100	104	104	2.8	75-125	<20	
Surrogates										
Bromofluorobenzene	50.0	51.0	102	50.0	48.5	97.0	5.0	75-125	<20	
Dibromofluoromethane	50.0	48.1	96.1	50.0	49.8	99.6	3.6	75-125	<20	
Toluene-d8	50.0	48.8	97.5	50.0	48.9	97.7	<1	75-125	<20	



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Attn: Ashley Hutchens

Page: **24**

Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74663	10/08/2014	SCS

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 100814DB1; Dup or Spiked Sample: 74626.01; LCS: Clean Sand; QC Prepared: 10/08/2014; MS Analyzed: 10/09/2014;
LCS Analyzed: 10/08/2014; Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
TPH as Diesel (C13-C22)	0.00	500	511	102	500	520	104	1.94	75-125	<20
Surrogates										
Chlorobenzene	0.00	100	102	102	100	104	104	1.96	75-125	<20

QC Batch No: 100814DB1; Dup or Spiked Sample: 74626.01; LCS: Clean Sand; QC Prepared: 10/08/2014; MS Analyzed: 10/09/2014;
LCS Analyzed: 10/08/2014; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
TPH as Diesel (C13-C22)	500	527	105	500	530	106	<1	75-125	<20	
Surrogates										
Chlorobenzene	100	115	115	100	112	112	2.61	75-125	<20	



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Attn: Ashley Hutchens

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Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74663	10/08/2014	SCS

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 100814NB1; Dup or Spiked Sample: 74663.02AGA; LCS: Clean Sand; QC Prepared: 10/08/2014; QC Analyzed: 10/08/2014;
Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
TPH as Gasoline and Light HC. (C4-C12)	0.00	1.00	0.610#	60.5	1.00	0.580#	57.9	4.39	75-125	<20
Surrogates										
Bromofluorobenzene	0.00	0.0500	0.0436	87.2	0.0500	0.0415	83.0	4.82	75-125	<20

QC Batch No: 100814NB1; Dup or Spiked Sample: 74663.02AGA; LCS: Clean Sand; QC Prepared: 10/08/2014; QC Analyzed: 10/08/2014;
Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
TPH as Gasoline and Light HC. (C4-C12)	1.00	0.900	90.1	1.00	1.06	106	16.2	75-125	<20	
Surrogates										
Bromofluorobenzene	0.0500	0.0472	94.4	0.0500	0.0486	97.2	2.97	75-125	<20	



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Data Qualifiers and Descriptors

Data Qualifier:

#:	Recovery is not within acceptable control limits.
*:	In the QC section, sample results have been taken directly from the ICP reading. No preparation factor has been applied.
B:	Analyte was present in the Method Blank.
D:	Result is from a diluted analysis.
E:	Result is beyond calibration limits and is estimated.
H:	Analysis was performed over the allowed holding time due to circumstances which were beyond laboratory control.
J:	Analyte was detected. However, the analyte concentration is an estimated value, which is between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).
M:	Matrix spike recovery is outside control limits due to matrix interference. Laboratory Control Sample recovery was acceptable.
MCL:	Maximum Contaminant Level
NS:	No Standard Available
S6:	Surrogate recovery is outside control limits due to matrix interference.
S8:	The analysis of the sample required a dilution such that the surrogate concentration was diluted below the method acceptance criteria.
X:	Results represent LCS and LCSD data.

Definition:

%Limi:	Percent acceptable limits.
%REC:	Percent recovery.
Con.L:	Acceptable Control Limits
Conce:	Added concentration to the sample.
LCS:	Laboratory Control Sample
MDL:	Method Detection Limit is a statistically derived number which is specific for each instrument, each method, and each compound. It indicates a distinctively detectable quantity with 99% probability.



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Data Qualifiers and Descriptors

MS:	Matrix Spike
MS DU:	Matrix Spike Duplicate
ND:	Analyte was not detected in the sample at or above MDL.
PQL:	Practical Quantitation Limit or ML (Minimum Level as per RWQCB) is the minimum concentration that can be quantified with more than 99% confidence. Taking into account all aspects of the entire analytical instrumentation and practice.
Recov:	Recovered concentration in the sample.
RPD:	Relative Percent Difference



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Number of Pages 15
Date Received 10/16/2014
Date Reported 10/27/2014

Telephone: (562)426-9544
Attention: Ashley Hutchens

Job Number	Order Date	Client
74753	10/16/2014	SCS

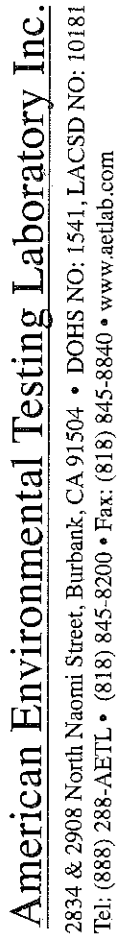
Project ID: 01210161.10
Project Name: Fmr Long Beach Public Service
Site: 1409 San Francisco Ave

Enclosed please find results of analyses of 3 soil samples which were analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By: 

Approved By: 

Cyrus Razmara, Ph.D.
Laboratory Director



CHAIN OF CUSTODY RECORD

88759

AETL JOB No.

Page 1 of 1

[illegible]

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Page: 1 A

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Project ID: 01210161.10
Date Received 10/16/2014
Date Reported 10/27/2014

Telephone: (562)426-9544
Attention: Ashley Hutchens

Job Number	Order Date	Client
74753	10/16/2014	SCS

CERTIFICATE OF ANALYSIS CASE NARRATIVE

AETL received 3 samples with the following specification on 10/16/2014.

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers
74753.01	F-7	10/13/2014	Soil	1
74753.02	F-8	10/13/2014	Soil	1
74753.03	F-9	10/13/2014	Soil	1

Method ^ Submethod	Req Date	Priority	TAT	Units
(6010B/7000CAM)	10/20/2014	4	Rush	mg/Kg
(8260B)	10/20/2014	4	Rush	ug/Kg
(M8015D) ^ C13-C40	10/20/2014	4	Rush	mg/Kg
(M8015G)	10/20/2014	4	Rush	mg/Kg

The samples were analyzed as specified on the enclosed chain of custody. Analytical non-conformances have been noted on the report.

Unless otherwise noted, all results of soil and solid samples are based on wet weight.

Checked By: 

Approved By: 

Cyrus Razmara, Ph.D.
Laboratory Director



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Attn: Ashley Hutchens

Page: 2

Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74753	10/16/2014	SCS

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1017141A2

Our Lab I.D.			Method Blank	74753.01	74753.02	74753.03	
Client Sample I.D.				F-7	F-8	F-9	
Date Sampled				10/13/2014	10/13/2014	10/13/2014	
Date Prepared			10/17/2014	10/17/2014	10/17/2014	10/17/2014	
Preparation Method			5030	5030	5030	5030	
Date Analyzed			10/17/2014	10/17/2014	10/17/2014	10/17/2014	
Matrix			Soil	Soil	Soil	Soil	
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	
Dilution Factor			1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	
Acetone	25	50	ND	ND	ND	ND	
Benzene	1.0	10.0	ND	ND	ND	ND	
Bromobenzene (Phenyl bromide)	5.0	10.0	ND	ND	ND	ND	
Bromochloromethane	5.0	10.0	ND	ND	ND	ND	
Bromodichloromethane	5.0	10.0	ND	ND	ND	ND	
Bromoform (Tribromomethane)	25	50	ND	ND	ND	ND	
Bromomethane (Methyl bromide)	15	30	ND	ND	ND	ND	
2-Butanone (MEK)	25	50	ND	ND	ND	ND	
n-Butylbenzene	5.0	10.0	ND	ND	ND	ND	
sec-Butylbenzene	5.0	10.0	ND	ND	ND	ND	
tert-Butylbenzene	5.0	10.0	ND	ND	ND	ND	
Carbon Disulfide	25	50	ND	ND	ND	ND	
Carbon tetrachloride	5.0	10.0	ND	ND	ND	ND	
Chlorobenzene	5.0	10.0	ND	ND	ND	ND	
Chloroethane	15	30	ND	ND	ND	ND	
2-Chloroethyl vinyl ether	50	50	ND	ND	ND	ND	
Chloroform (Trichloromethane)	5.0	10.0	ND	ND	ND	ND	
Chloromethane (Methyl chloride)	15	30	ND	ND	ND	ND	
2-Chlorotoluene	5.0	10.0	ND	ND	ND	ND	
4-Chlorotoluene	5.0	10.0	ND	ND	ND	ND	
1,2-Dibromo-3-chloropropane (DBCP)	25	50	ND	ND	ND	ND	
Dibromochloromethane	5.0	10.0	ND	ND	ND	ND	
1,2-Dibromoethane (EDB)	5.0	10.0	ND	ND	ND	ND	
Dibromomethane	5.0	10.0	ND	ND	ND	ND	
1,2-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	
1,3-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	
1,4-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	



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ANALYTICAL RESULTS

Page: **3**

Project ID: 01210161.10
Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74753	10/16/2014	SCS

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1017141A2

Our Lab I.D.			Method Blank	74753.01	74753.02	74753.03	
Client Sample I.D.				F-7	F-8	F-9	
Date Sampled				10/13/2014	10/13/2014	10/13/2014	
Date Prepared			10/17/2014	10/17/2014	10/17/2014	10/17/2014	
Preparation Method			5030	5030	5030	5030	
Date Analyzed			10/17/2014	10/17/2014	10/17/2014	10/17/2014	
Matrix			Soil	Soil	Soil	Soil	
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	
Dilution Factor			1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	
Dichlorodifluoromethane	15	30	ND	ND	ND	ND	
1,1-Dichloroethane	5.0	10.0	ND	ND	ND	ND	
1,2-Dichloroethane (EDC)	5.0	10.0	ND	ND	ND	ND	
1,1-Dichloroethene	5.0	10.0	ND	ND	ND	ND	
cis-1,2-Dichloroethene	5.0	10.0	ND	ND	ND	ND	
trans-1,2-Dichloroethene	5.0	10.0	ND	ND	ND	ND	
1,2-Dichloropropane	5.0	10.0	ND	ND	ND	ND	
1,3-Dichloropropane	5.0	10.0	ND	ND	ND	ND	
2,2-Dichloropropane	5.0	10.0	ND	ND	ND	ND	
1,1-Dichloropropene	5.0	10.0	ND	ND	ND	ND	
cis-1,3-Dichloropropene	5.0	10.0	ND	ND	ND	ND	
trans-1,3-Dichloropropene	5.0	10.0	ND	ND	ND	ND	
Ethylbenzene	1.0	10.0	ND	ND	ND	ND	
Hexachlorobutadiene	15	30	ND	ND	ND	ND	
2-Hexanone	25	50	ND	ND	ND	ND	
Iodomethane	5.0	10.0	ND	ND	ND	ND	
Isopropylbenzene	5.0	10.0	ND	ND	ND	ND	
p-Isopropyltoluene	5.0	10.0	ND	ND	ND	ND	
4-Methyl-2-pentanone (MIBK)	25	50	ND	ND	ND	ND	
Methyl-tert-butyl ether (MTBE)	2.0	10.0	ND	ND	ND	ND	
Methylene chloride (DCM)	25	50	ND	ND	ND	ND	
Naphthalene	5.0	10.0	ND	ND	ND	ND	
n-Propylbenzene	5.0	10.0	ND	ND	ND	ND	
Styrene	5.0	10.0	ND	ND	ND	ND	
1,1,1,2-Tetrachloroethane	5.0	10.0	ND	ND	ND	ND	
1,1,2,2-Tetrachloroethane	5.0	10.0	ND	ND	ND	ND	
Tetrachloroethene	2.0	10.0	ND	ND	ND	ND	
Toluene (Methyl benzene)	1.0	10.0	ND	ND	ND	ND	
1,2,3-Trichlorobenzene	5.0	10.0	ND	ND	ND	ND	
1,2,4-Trichlorobenzene	5.0	10.0	ND	ND	ND	ND	
1,1,1-Trichloroethane	5.0	10.0	ND	ND	ND	ND	
1,1,2-Trichloroethane	5.0	10.0	ND	ND	ND	ND	
Trichloroethene	1.5	10.0	ND	ND	ND	ND	
Trichlorofluoromethane	5.0	10.0	ND	ND	ND	ND	



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ANALYTICAL RESULTS

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Project ID: 01210161.10
Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74753	10/16/2014	SCS

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1017141A2

Our Lab I.D.			Method Blank	74753.01	74753.02	74753.03	
Client Sample I.D.				F-7	F-8	F-9	
Date Sampled				10/13/2014	10/13/2014	10/13/2014	
Date Prepared			10/17/2014	10/17/2014	10/17/2014	10/17/2014	
Preparation Method			5030	5030	5030	5030	
Date Analyzed			10/17/2014	10/17/2014	10/17/2014	10/17/2014	
Matrix			Soil	Soil	Soil	Soil	
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	
Dilution Factor			1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	
1,2,3-Trichloropropane	5.0	10.0	ND	ND	ND	ND	
1,2,4-Trimethylbenzene	5.0	10.0	ND	ND	ND	ND	
1,3,5-Trimethylbenzene	5.0	10.0	ND	ND	ND	ND	
Vinyl Acetate	25	50	ND	ND	ND	ND	
Vinyl chloride (Chloroethene)	5.0	10.0	ND	ND	ND	ND	
o-Xylene	1.0	10.0	ND	ND	ND	ND	
m,p-Xylenes	1.0	20.0	ND	ND	ND	ND	
Our Lab I.D.			Method Blank	74753.01	74753.02	74753.03	
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	
Bromofluorobenzene	75-125		108	108	122	111	
Dibromofluoromethane	75-125		85.4	89.8	90.1	90.1	
Toluene-d8	75-125		112	105	104	103	



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Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74753	10/16/2014	SCS

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 1020140B1

Our Lab I.D.			Method Blank	74753.01			
Client Sample I.D.				F-7			
Date Sampled				10/13/2014			
Date Prepared			10/20/2014	10/20/2014			
Preparation Method			5030	5030			
Date Analyzed			10/20/2014	10/20/2014			
Matrix			Soil	Soil			
Units			mg/Kg	mg/Kg			
Dilution Factor			1	1			
Analytes	MDL	PQL	Results	Results			
TPH as Gasoline and Light HC. (C4-C12)	0.100	1.000	ND	ND			
Our Lab I.D.			Method Blank	74753.01			
Surrogates	%Rec.Limit		% Rec.	% Rec.			
Bromofluorobenzene	75-125		98.6	93.6			



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Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74753	10/16/2014	SCS

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 1017140B1

Our Lab I.D.			Method Blank	74753.02	74753.03		
Client Sample I.D.				F-8	F-9		
Date Sampled				10/13/2014	10/13/2014		
Date Prepared			10/17/2014	10/17/2014	10/17/2014		
Preparation Method			5030	5030	5030		
Date Analyzed			10/17/2014	10/17/2014	10/17/2014		
Matrix			Soil	Soil	Soil		
Units			mg/Kg	mg/Kg	mg/Kg		
Dilution Factor			1	1	1		
Analytes	MDL	PQL	Results	Results	Results		
TPH as Gasoline and Light HC. (C4-C12)	0.100	1.000	ND	ND	ND		
Our Lab I.D.			Method Blank	74753.02	74753.03		
Surrogates	%Rec. Limit		% Rec.	% Rec.	% Rec.		
Bromofluorobenzene	75-125		100	95.0	94.6		



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Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74753	10/16/2014	SCS

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 102014

Our Lab I.D.			Method Blank	74753.01	74753.02	74753.03	
Client Sample I.D.				F-7	F-8	F-9	
Date Sampled				10/13/2014	10/13/2014	10/13/2014	
Date Prepared			10/20/2014	10/20/2014	10/20/2014	10/20/2014	
Preparation Method			3550B	3550B	3550B	3550B	
Date Analyzed			10/20/2014	10/20/2014	10/20/2014	10/20/2014	
Matrix			Soil	Soil	Soil	Soil	
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Dilution Factor			1	1	1	1	
Analytes		MDL	PQL	Results	Results	Results	Results
TPH as Diesel (C13-C22)		1.0	5.0	ND	ND	ND	ND
TPH as Heavy Hydrocarbons (C23-C40)		1.0	5.0	ND	ND	ND	ND
TPH Total as Diesel and Heavy HC.C13-C40		1.0	5.0	ND	ND	ND	ND
Our Lab I.D.				Method Blank	74753.01	74753.02	74753.03
Surrogates		%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.
Chlorobenzene		75-125		118	113	115	114



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Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74753	10/16/2014	SCS

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 1020142C2

Our Lab I.D.			Method Blank	74753.01	74753.02	74753.03	
Client Sample I.D.				F-7	F-8	F-9	
Date Sampled				10/13/2014	10/13/2014	10/13/2014	
Date Prepared			10/20/2014	10/20/2014	10/20/2014	10/20/2014	
Preparation Method			3050B	3050B	3050B	3050B	
Date Analyzed			10/21/2014	10/21/2014	10/21/2014	10/21/2014	
Matrix			Soil	Soil	Soil	Soil	
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Dilution Factor			1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results	
Antimony	1.0	5.0	ND	ND	ND	ND	
Arsenic	1.0	5.0	ND	ND	ND	ND	
Barium	2.5	5.0	ND	58.7	68.9	50.0	
Beryllium	1.3	2.5	ND	ND	ND	ND	
Cadmium	1.3	2.5	ND	ND	ND	ND	
Chromium	2.5	5.0	ND	4.03J	6.27	5.66	
Cobalt	2.5	5.0	ND	3.46J	3.96J	3.65J	
Copper	2.5	5.0	ND	6.36	16.7	10.7	
Lead	2.5	5.0	ND	3.06J	129	31.4	
Mercury (By EPA 7471)	0.1	0.2	ND	ND	0.779	0.161J	
Molybdenum	2.5	5.0	ND	ND	ND	ND	
Nickel	2.5	5.0	ND	3.03J	4.92J	3.49J	
Selenium	1.0	5.0	ND	ND	ND	ND	
Silver	2.5	5.0	ND	ND	ND	ND	
Thallium	1.0	5.0	ND	ND	ND	ND	
Vanadium	2.5	5.0	ND	14.4	16.5	15.3	
Zinc	2.5	5.0	ND	18.7	103	32.4	



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Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74753	10/16/2014	SCS

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 1020142C2; Dup or Spiked Sample: 74773.01; LCS: Clean Sand; QC Prepared: 10/20/2014; QC Analyzed: 10/21/2014;
Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Antimony	0.00	50.0	41.8	83.6	50.0	41.8	83.6	<1	75-125	<15
Arsenic	0.00	50.0	39.6	79.2	50.0	39.6	79.2	<1	75-125	<15
Barium	24.8	50.0	75.6	102	50.0	75.7	102	<1	75-125	<15
Beryllium	0.00	50.0	41.4	82.8	50.0	41.4	82.8	<1	75-125	<15
Cadmium	0.00	50.0	38.7	77.4	50.0	38.7	77.4	<1	75-125	<15
Chromium	5.75	50.0	46.4	81.3	50.0	46.5	81.5	<1	75-125	<15
Cobalt	3.20	50.0	40.9	75.4	50.0	41.1	75.8	<1	75-125	<15
Copper	3.57	50.0	47.5	87.9	50.0	47.7	88.3	<1	75-125	<15
Lead	0.00	50.0	37.1 #	74.2	50.0	37.3 #	74.6	<1	75-125	<15
Mercury (By EPA 7471)	0.00	0.500	0.401	80.1	0.500	0.414	82.7	3.2	75-125	<15
Molybdenum	0.00	50.0	41.4	82.8	50.0	41.5	83.0	<1	75-125	<15
Nickel	0.00	50.0	39.3	78.6	50.0	39.2	78.4	<1	75-125	<15
Selenium	0.00	50.0	38.8	77.6	50.0	38.5	77.0	<1	75-125	<15
Silver	0.00	50.0	40.2	80.4	50.0	40.3	80.6	<1	75-125	<15
Thallium	0.00	50.0	31.6 #	63.2	50.0	31.3 #	62.6	<1	75-125	<15
Vanadium	20.5	50.0	65.4	89.8	50.0	65.5	90.0	<1	75-125	<15
Zinc	14.4	50.0	56.7	84.6	50.0	56.9	85.0	<1	75-125	<15

QC Batch No: 1020142C2; Dup or Spiked Sample: 74773.01; LCS: Clean Sand; QC Prepared: 10/20/2014; QC Analyzed: 10/21/2014;
Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Antimony	50.0	46.4	92.8	50.0	46.9	93.8	1.07	75-125	<15	
Arsenic	50.0	47.0	94.0	50.0	46.6	93.2	<1	75-125	<15	
Barium	50.0	46.5	93.0	50.0	45.8	91.6	1.52	75-125	<15	
Beryllium	50.0	49.7	99.4	50.0	49.1	98.2	1.21	75-125	<15	
Cadmium	50.0	46.3	92.6	50.0	45.7	91.4	1.30	75-125	<15	
Chromium	50.0	45.9	91.8	50.0	45.3	90.6	1.32	75-125	<15	
Cobalt	50.0	43.0	86.0	50.0	42.8	85.6	<1	75-125	<15	
Copper	50.0	45.6	91.2	50.0	45.0	90.0	1.32	75-125	<15	



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QUALITY CONTROL RESULTS

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Project ID: 01210161.10
Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74753	10/16/2014	SCS

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 1020142C2; Dup or Spiked Sample: 74773.01; LCS: Clean Sand; QC Prepared: 10/20/2014; QC Analyzed: 10/21/2014;
Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Lead	50.0	43.3	86.6	50.0	43.1	86.2	<1	75-125	<15	
Mercury (By EPA 7471)	0.500	0.487	97.3	0.500	0.473	94.5	2.9	75-125	<15	
Molybdenum	50.0	47.7	95.4	50.0	47.7	95.4	<1	75-125	<15	
Nickel	50.0	42.8	85.6	50.0	42.1	84.2	1.65	75-125	<15	
Selenium	50.0	48.3	96.6	50.0	48.0	96.0	<1	75-125	<15	
Silver	50.0	47.1	94.2	50.0	46.5	93.0	1.28	75-125	<15	
Thallium	50.0	43.6	87.2	50.0	43.6	87.2	<1	75-125	<15	
Vanadium	50.0	48.0	96.0	50.0	47.4	94.8	1.26	75-125	<15	
Zinc	50.0	47.5	95.0	50.0	46.9	93.8	1.27	75-125	<15	



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Page: **11**

Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74753	10/16/2014	SCS

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1017141A2; Dup or Spiked Sample: 74736.05; LCS: Clean Sand; QC Prepared: 10/17/2014; QC Analyzed: 10/17/2014;
Units: ug/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Benzene	0.00	50.0	43.1	86.2	50.0	43.6	87.2	1.15	75-125	<20
Chlorobenzene	0.00	50.0	42.7	85.4	50.0	40.2	80.4	6.03	75-125	<20
1,1-Dichloroethene	0.00	50.0	47.2	94.4	50.0	44.0	88.0	7.02	75-125	<20
Methyl-tert-butyl ether (MTBE)	0.00	50.0	45.0	90.0	50.0	38.8	77.6	14.8	75-125	<20
Toluene (Methyl benzene)	0.00	50.0	42.6	85.2	50.0	39.0	78.0	8.82	75-125	<20
Trichloroethene	0.00	50.0	47.4	94.8	50.0	49.7	99.4	4.74	75-125	<20
Surrogates										
Bromofluorobenzene	0.00	50.0	48.4	96.8	50.0	52.0	104	7.44	75-125	<20
Dibromofluoromethane	0.00	50.0	46.1	92.1	50.0	45.6	91.2	<1	75-125	<20
Toluene-d8	0.00	50.0	49.8	99.5	50.0	45.9	91.8	7.74	75-125	<20

QC Batch No: 1017141A2; Dup or Spiked Sample: 74736.05; LCS: Clean Sand; QC Prepared: 10/17/2014; QC Analyzed: 10/17/2014;
Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Benzene	50.0	51.5	103	50.0	50.2	100	2.96	75-125	<20	
Chlorobenzene	50.0	53.0	106	50.0	51.4	103	2.87	75-125	<20	
1,1-Dichloroethene	50.0	48.3	96.6	50.0	49.9	99.8	3.26	75-125	<20	
Methyl-tert-butyl ether (MTBE)	50.0	46.4	92.8	50.0	45.2	90.0	3.06	75-125	<20	
Toluene (Methyl benzene)	50.0	53.4	107	50.0	51.4	103	3.81	75-125	<20	
Trichloroethene	50.0	54.1	108	50.0	51.9	104	3.77	75-125	<20	
LCS										
Chloroform (Trichloromethane)	50.0	47.0	94.0	50.0	44.1	88.2	6.37	75-125	<20	
Ethylbenzene	50.0	54.4	109	50.0	52.3	105	3.74	75-125	<20	
1,1,1-Trichloroethane	50.0	57.4	115	50.0	60.9	122	5.91	75-125	<20	
o-Xylene	50.0	56.5	113	50.0	54.1	108	4.52	75-125	<20	
m,p-Xylenes	100	110	110	100	106	106	3.70	75-125	<20	
Surrogates										
Bromofluorobenzene	50.0	50.7	101	50.0	47.7	95.4	5.54	75-125	<20	
Dibromofluoromethane	50.0	43.4	86.8	50.0	41.2	82.5	4.95	75-125	<20	



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QUALITY CONTROL RESULTS

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Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74753	10/16/2014	SCS

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 1017141A2; Dup or Spiked Sample: 74736.05; LCS: Clean Sand; QC Prepared: 10/17/2014; QC Analyzed: 10/17/2014;
Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Toluene-d8	50.0	51.0	102	50.0	50.4	101	<1	75-125	<20	



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Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74753	10/16/2014	SCS

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 102014; Dup or Spiked Sample: 74753.03; LCS: Clean Sand; QC Prepared: 10/20/2014; QC Analyzed: 10/20/2014;
Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
TPH as Diesel (C13-C22)	0.00	500	491	98.2	500	495	99.0	<1	75-125	<20
Surrogates										
Chlorobenzene	0.00	100	109	109	100	109	109	<1	75-125	<20

QC Batch No: 102014; Dup or Spiked Sample: 74753.03; LCS: Clean Sand; QC Prepared: 10/20/2014; QC Analyzed: 10/20/2014;
Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
TPH as Diesel (C13-C22)	500	484	96.8	500	478	95.6	1.2	75-125	<20	
Surrogates										
Chlorobenzene	100	112	112	100	112	112	<1	75-125	<20	



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Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74753	10/16/2014	SCS

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 101714OB1; Dup or Spiked Sample: 74753.01AGA; LCS: Clean Sand; QC Prepared: 10/17/2014; QC Analyzed: 10/17/2014;
Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
TPH as Gasoline and Light HC. (C4-C12)	0.00	1.00	1.11	111	1.00	0.660M	66.3	50.4	75-125	<20
Surrogates										
Bromofluorobenzene	0.00	0.0500	0.0499	99.8	0.0500	0.0452	90.4	9.42	75-125	<20

QC Batch No: 101714OB1; Dup or Spiked Sample: 74753.01AGA; LCS: Clean Sand; QC Prepared: 10/17/2014; QC Analyzed: 10/17/2014;
Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
TPH as Gasoline and Light HC. (C4-C12)	1.00	0.810	81.1	1.00	0.840	84.2	3.75	75-125	<20	
Surrogates										
Bromofluorobenzene	0.0500	0.0466	93.2	0.0500	0.0488	97.6	4.72	75-125	<20	



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Project ID: 01210161.10

Project Name: Fmr Long Beach Public Service

AETL Job Number	Submitted	Client
74753	10/16/2014	SCS

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 1020140B1; Dup or Spiked Sample: 74767.01AGA; LCS: Clean Sand; QC Prepared: 10/20/2014; QC Analyzed: 10/20/2014;
Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
TPH as Gasoline and Light HC. (C4-C12)	0.00	1.00	0.650#	64.7	1.00	0.600#	59.5	8.37	75-125	<20
Surrogates										
Bromofluorobenzene	0.00	0.0500	0.0527	105	0.0500	0.0509	102	2.86	75-125	<20

QC Batch No: 1020140B1; Dup or Spiked Sample: 74767.01AGA; LCS: Clean Sand; QC Prepared: 10/20/2014; QC Analyzed: 10/20/2014;
Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
TPH as Gasoline and Light HC. (C4-C12)	1.00	0.780	78.3	1.00	0.760	76.1	2.85	75-125	<20	
Surrogates										
Bromofluorobenzene	0.0500	0.0491	98.2	0.0500	0.0487	97.4	<1	75-125	<20	



American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street, Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

Data Qualifiers and Descriptors

Data Qualifier:

#:	Recovery is not within acceptable control limits.
*:	In the QC section, sample results have been taken directly from the ICP reading. No preparation factor has been applied.
B:	Analyte was present in the Method Blank.
D:	Result is from a diluted analysis.
E:	Result is beyond calibration limits and is estimated.
H:	Analysis was performed over the allowed holding time due to circumstances which were beyond laboratory control.
J:	Analyte was detected. However, the analyte concentration is an estimated value, which is between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).
M:	Matrix spike recovery is outside control limits due to matrix interference. Laboratory Control Sample recovery was acceptable.
MCL:	Maximum Contaminant Level
NS:	No Standard Available
S6:	Surrogate recovery is outside control limits due to matrix interference.
S8:	The analysis of the sample required a dilution such that the surrogate concentration was diluted below the method acceptance criteria.
X:	Results represent LCS and LCSD data.

Definition:

%Limi:	Percent acceptable limits.
%REC:	Percent recovery.
Con.L:	Acceptable Control Limits
Conce:	Added concentration to the sample.
LCS:	Laboratory Control Sample
MDL:	Method Detection Limit is a statistically derived number which is specific for each instrument, each method, and each compound. It indicates a distinctively detectable quantity with 99% probability.



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Data Qualifiers and Descriptors

MS:	Matrix Spike
MS DU:	Matrix Spike Duplicate
ND:	Analyte was not detected in the sample at or above MDL.
PQL:	Practical Quantitation Limit or ML (Minimum Level as per RWQCB) is the minimum concentration that can be quantified with more than 99% confidence. Taking into account all aspects of the entire analytical instrumentation and practice.
Recov:	Recovered concentration in the sample.
RPD:	Relative Percent Difference

**PHASE I ENVIRONMENTAL SITE ASSESSMENT
FORMER LONG BEACH PUBLIC SERVICE YARD
5½ PARCELS AT ANAHEIM STREET AND
SAN FRANCISCO AVENUE
LONG BEACH, CALIFORNIA 90813**

Prepared for:

Alere Property Group, LLC

100 Bayview Circle, Suite 310
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(949) 509-5002

Prepared by:

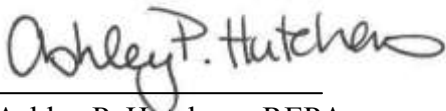
SCS ENGINEERS

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July 13, 2015
File No. 01210161.11

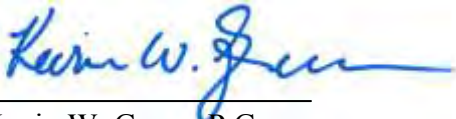
This Phase I Environmental Site Assessment Report for the San Francisco Yard located at Anaheim Street and San Francisco Avenue, Long Beach, California, dated July 13, 2015, was prepared by Ashley Hutchens and reviewed by Kevin Green.

We declare that, to the best of our professional knowledge and belief, we meet the definition of Environmental Professional as defined in §312.10 of 40 CFR 312. The resumes for the individuals below are included in **Appendix G**. We have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. We have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.



Ashley P. Hutchens, REPA
Project Manager

SCS ENGINEERS



Kevin W. Green, P.G.
Project Director

SCS ENGINEERS

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EXECUTIVE SUMMARY

SCS Engineers (SCS) was retained by Alere Property Group, LLC (the “User”) to prepare a Phase I Environmental Site Assessment (ESA) of the San Francisco Yard located at Anaheim Street and San Francisco Avenue in Long Beach, California (the “Property”). This assessment was performed in conformance with 40 CFR 312, Standards for Conducting All Appropriate Inquiries, and in general conformance with ASTM E1527-13.

- The Property consists of 10.74 acres of outdoor storage yard and is comprised of approximately five and a half parcels in Long Beach, California formerly associated with the Former Long Beach Public Service Yard (the “Former Service Yard”). Four and a half of these parcels are on contiguous city blocks and also include the intervening street rights-of-way (14th, Cowles, 15th, and 16th Streets) which were incorporated into the Former Service Yard and the current various storage yards. Numerous addresses have currently or historically been associated with the Property and it is important to note that operations on this portion of the Property were sometimes included under the address of 1725 San Francisco Avenue, although this address is physically north of the Property and still occupied by the City of Long Beach Public Service Yard.

The northern-most parcel (940 Pacific Coast Highway, is located on the north side of the adjacent city block, approximately 700 feet north of the other parcels.

- The assigned Los Angeles County Tax Assessor’s Parcel Numbers have varied in recent years and currently are (from north to south) 7271-017-015 (the northernmost noncontiguous parcel), 7271-012-020, 7271-012-023, eastern portion of 7271-011-008, 7271-008-013, and the most southerly parcel does not currently have an associated APN (may be due to recent or ongoing parcel change activity). In addition, APNs 7271-012-020, 7271-012-023, 7271-011-008 (eastern portion), and 7271-008-013 are currently being re-parceled. Certificate of Compliance No. 1411-08A (for APNs 7271-012-020 and 7271-012-023) and No. 1411-08C (for 7271-011-008 [eastern portion] and 7271-008-013) have been filed in official records of the Recorder’s Office in Los Angeles County.
- The Property is currently occupied by three storage yards as follows (**Figure 3**): (1) The northerly noncontiguous parcel (APN 7271-017-015) is occupied by Ocean Blue Environmental Services, Inc. This parcel is approximately 0.34 acres and is used as a surplus storage yard for Ocean Blue’s trailers and materials. (2) The northern portion of the contiguous area of the Property (APNs 7271-012-020 and 7271-012-023) is occupied by BakerCorp as a storage yard (the “Baker Yard”). The Baker Yard is comprised of approximately 4.01 acres and is used to store their empty tanks. (3) The southern portion of the contiguous area of the Property (APNs 7271-011-008 [eastern portion only], 7271-008-013, and the most southerly parcel, which does not currently have an associated APN, is occupied by Petros Tubular Services, Inc. (Petros) as a storage yard (the “Petros Yard”). The Petros yard is comprised of approximately 6.39 acres and is used to store pipes and fittings associated with the oil and gas industry.
- Prior to use as the above-mentioned storage yards, the Property was predominantly used by the City of Long Beach for various operations performed by Long Beach public service

departments (e.g. traffic management, street maintenance, and landscaping). SCS previously conducted a Phase I Assessment (SCS, February 22, 2005) for the City of Long Beach, the findings of which (detailed in Section 11 of this report) concluded that numerous RECs were identified on the southern portion of the Property (excluding the noncontiguous northern parcel), including a carwash, two clarifiers, paint spray booth, chemical cabinet, former fueling station, fill material containing debris from the 1933 earthquake and petroleum-related impacts to soil and/or groundwater from underground fuel storage tanks. Further, historic operations on these parcels have included vehicle and equipment maintenance, painting shop, chemical laboratory, landscaping departments, machine shop, etc. The locations and nature of these operations appeared to be transitory, and it was determined possible that waste oils, various pesticides, oils, paint and solvents were spilled or leaked over the 70 plus years of operation.

However, since the initial Phase I ESA in 2005, numerous phases of investigation and remediation have been conducted to investigate the previously identified recognized environmental conditions (RECs), the statuses of which can be summarized as follows:

- A previous Phase II investigation (SCS, August 2, 2005), was conducted to address concerns identified in the 2005 Phase I ESA. Based on the results of this investigation, the previously identified hazardous materials storage areas, previous use of solvents, and former fueling station were considered historical recognized environmental conditions (HRECs).
- A 1,000-gallon unused UST was located on the western portion of the 16th Street right-of-way just south of APN 7271-012-020 (**Figure 4a**). This UST was originally meant to contain solvent/kerosene, was installed on July 19, 1988, and removed in January 1999. Regulatory closure was received from the Joint Powers Agency (currently the Long Beach Department of Health and Human Services [DHHS]) in the “No Further Action (NFA)” Letter dated March 25, 1999 (**Appendix E**), which also provided closure for three (3) other USTs associated with the Long Beach Public Works Yard at 1725 San Francisco (not associated with the Property).
- A 550-gallon gasoline UST was located in the 14th Street right-of-way just north of APN 7271-007-903 (**Figure 4b**). The UST was removed on August 30, 1995. A groundwater investigation and subsequent monitoring events were conducted. The RWQCB issued an NFA letter for the 550-gallon UST at the 14th Street right-of-way dated July 6, 2011 (**Appendix E**). The associated groundwater monitoring wells were subsequently abandoned on July 22, 2011. Because the RWQCB closed the case allowing residual contamination to remain in place, this former UST is considered a controlled recognized environmental condition (CREC). The RWQCB did not make any restrictions regarding the UST; however appropriate measures should be taken if digging is to occur in the area.
- Two 12,000-gallon USTs were located at the northeast corner of APN 7271-008-013 at 1445 San Francisco Avenue (**Figure 4b**). The tanks (one gasoline and one diesel), installed November 1998 were removed on July 2, 2008. As a result of SCS’s follow-up regarding the two 12,000-gallon USTs removed in 2008, the

RWQCB issued an NFA letter dated July 3, 2012. These two former USTs constitute an HREC with regards to the Property.

- A Phase II Investigation (conducted in November 2010) and geophysical survey (conducted in July 2012) were performed on the southern portion of former APN 7172-007-903 (no current APN assigned; **Figure 4b**) for the historical gas station located at 949 W. Anaheim, which is not a confirmed address of the Property, but was potentially located in this area. The November 2010 and July 2012 investigations of the southern portion of the Property found no obvious signs of former USTs or associated fuel-impacts indicative of a release associated with former USTs. As a result, the potential of a former service station at 949 W. Anaheim is considered to be an HREC.
- In April 2012, SCS inspected two suspect wells identified at 1601 San Francisco Avenue. The inspection, summarized in SCS' letter dated July 18, 2012, determined the wells to be 6-inch steel casings (the use of which was unknown), however they were determined not to be groundwater wells and therefore the well boxes and steel casings are determined to be a *de minimus condition*.
- Since the bulk of the fill soil (presumed 1933 earthquake debris) was anticipated on two parcels in the center of the contiguous portion of the Property (APNs 7271-011-008 and 7271-008-013) a Remedial Action Plan (SCS, March 2012, Revised May 2014) was prepared for this area. Very little fill soil existed on northerly and southerly portion of the contiguous portion of the Property (APN 7271-012-023 and previously identified APN 7271-007-005) and in order to expedite obtaining "no further action" letters for these parcels in anticipation of their eminent lease, a separate investigation under DHHS oversight was conducted. The results of this investigation (SCS, March 2, 2012) concluded that no evidence of significant impacts from lead or other metals associated with fill soil was identified. The DHHS subsequently issued NFA letters for these parcels dated July 11, 2012 (**Appendix E**). Therefore, the presence of fill soils on these two parcels is considered to be an HREC.
- In January 2013, clarifiers associated with former car wash (located within the fill area) and paint rinse areas were removed. Clarifier abandonment activities were conducted with oversight provided by Long Beach Fire Department and described in SCS's report, *Clarifier Removal Report, Former Long Beach Public Service Yard* dated February 2013. Approval of the clarifier closure was pending the remediation and an NFA has been requested from the DHHS. The clarifiers are considered to be an HREC, however, it is recommended that the follow-up with the DHHS be conducted until the NFA letter is issued.
- APNs 7271-011-008 and 7271-008-013, which held the bulk of the suspected earthquake debris, were remediated between August 2014 and February 2015. As part of the remedial excavation activities approximately 44,000 cubic yards of impacted material was excavated from the Property and placed on an area adjacent to the Property (western two-thirds of APN 7271-011-008) known as "the Long

Beach Parcel” (which is being re-purchased and will be maintained by the City of Long Beach) and is not a part of the Property.

Because debris extended beyond the Property boundaries, the impacted material was excavated to the extent possible without extending past the Property boundaries (i.e. into the river path). Therefore, impacted material will remain below the surface (and unexposed) in several other areas of the Property including: potentially beneath the building that remains on the Property, along the western property line, and in an area where the Southern California Edison pole and support are located. The limited impacted areas that remain are depicted on **Figure 5**; if any digging were to occur in these areas, appropriate measures should be taken. Approximately 12,614 cubic yards of clean soil was imported from two construction sites for backfill of the remedial excavation area on the Property. The excavation was backfilled, graded, and compacted prior to being asphalt paved for use by Petros. A total of 78 confirmation samples (S1 through S78) were collected on a grid spacing of approximately every 50 feet. Concentrations of lead in the 78 samples ranged from non-detect (less than 2.5 mg/kg) to 102 mg/kg, all well below the cleanup goal of 320 mg/kg. The DHHS issued an NFA letter dated April 27, 2015 (**Appendix E**). The presence of residual fill debris with elevated lead concentrations in certain areas of the Property is considered a CREC.

- Regulatory database information identified the Property on the HAZNET, Historical Cortese, Historical Auto Station, CDL, LUST, RCRA-SQG, FINDS, and UST databases. The Cortese, LUST and UST database listings appear to relate to the historic UST operations, removals, and cleanups. Other EDR report information indicated that wastes such as organic solids, oil-containing wastes, aqueous solutions with organic residues, asbestos containing waste, unspecified solvent mixture waste, and waste oil and mixed oil, were used on the Property. As a result of the previous investigations and/or current use of the Property, the listings of the Property on the associated databases are considered to be CRECs or HRECs.

Observations during the site inspection indicate that adjacent properties are currently occupied by numerous commercial/industrial operators. No obvious RECs for the Property were identified on these adjacent sites. However, regulatory database information also indicates that numerous sites within 0.25 miles of the Property have had releases of substances including hydrocarbons and volatile organic compounds, and groundwater in the area has been impacted. Based on this information, it is possible that impacted groundwater from these sites has migrated beneath the Property.

Conclusions

In the opinion of the Environmental Professionals, this assessment has revealed no evidence of conditions indicative of releases or threatened releases of hazardous substances other than the HRECs and CRECs as discussed above. Six NFA letters have been issued in association with the Property and one is currently pending in association with the former clarifiers. Further investigation is not recommended.

Data Gaps

The User Questionnaire was not returned to SCS. Given all the other information gathered during the course of this and previous investigations, this data gap is not considered significant.

1 INTRODUCTION

SCS Engineers (SCS) was retained by Alere Property Group, LLC (the “User”) to prepare a Phase I Environmental Site Assessment (ESA) of the San Francisco Yard located at Anaheim Street and San Francisco Avenue in Long Beach, California (the “Property”). A location map for the Property is presented as **Figure 1** in **Appendix A**. This assessment was performed in conformance with 40 CFR 312, Standards for Conducting All Appropriate Inquiries, and in general conformance with ASTM E1527-13.

2 PURPOSE

The purpose of this investigation was to identify conditions indicative of releases or threatened releases of hazardous substances as defined in CERCLA section 101, and petroleum products, on, at, in, or to the Property.

This assessment is intended to constitute appropriate inquiry into the previous ownership and uses of the property, as required to support the assertion of the innocent landowner, contiguous property owner, and/or bona fide prospective purchaser defenses to liability (collectively the landowner liability protections, or LLPs) under the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA a.k.a. Superfund), as amended by the Superfund Amendments and Reauthorization Act of 1986 (SARA) and the Small Business Liability Relief and Brownfields Revitalization Act of 2002.

If known or suspected contamination is identified, Users seeking to maintain LLPs have responsibilities in addition to completion of an AAI-compliant Phase I ESA. These “continuing obligations” include taking “appropriate care” and “reasonable steps” with respect to known or suspected releases of hazardous substances during the term of property ownership. In addition to these requirements under Federal law, there are different requirements under state law with respect to liability protections. On request, SCS Engineers can provide support for clients with continuing obligations, as appropriate.

3 SCOPE OF SERVICES

This Phase I ESA is based on:

- Interviews with past and/or present owners, operators, and/or occupants of the Property.
- Reviews of federal, tribal, state, and local government records.
- Visual inspections of the Property and adjoining properties performed on July 2, 2015.
- Review of historical Property use information (topographic maps, aerial photographs, fire insurance maps, existing reports, etc.).
- Commonly known or reasonably ascertainable information about the Property (e.g., interviews with appropriate regulatory agency personnel and review of agency files review of available documents, interviews with other knowledgeable persons).

- Degree of obviousness of the presence or likely presence of contamination at the Property, and the ability to detect the contamination by appropriate investigation.
- Information provided as a result of the additional inquiries conducted by the User.

4 SPECIAL TERMS AND CONDITIONS

This Phase I ESA for the San Francisco yard located at Anaheim Street and San Francisco Avenue in Long Beach, California has been prepared specifically for Alere Property Group, LLC. The report has been prepared in accordance with the care and skill generally exercised by reputable professionals, under similar circumstances, in this or similar localities. No other warranty, express or implied, is made as to the professional opinions presented herein.

No other party, known or unknown to SCS, is intended as a beneficiary of this work product, its content or information embedded therein. Third parties use this report at their own risk. Third party reliance letters may be issued on request to SCS subject to approval of Alere Property Group, LLC and payment to SCS of a fee for such letters.

5 LIMITATIONS AND ASSUMPTIONS

The investigation focused on releases and threatened releases of hazardous substances or petroleum products that could be considered a recognized environmental condition (REC) and/or a liability due to their possible presence in significant concentrations (e.g., above acceptable limits set by the Federal or state government) or due to the potential for contaminant migration through exposure pathways (e.g., groundwater). Materials that may contain substances which are not currently deemed hazardous by the federal or state of California EPA were not considered as part of this study.

Unless specifically included in our scope of services, formal surveys for asbestos-containing materials, lead-based paints, fire safety, vapor intrusion, indoor air quality, mold, and similar matters were not part of this assessment. The Property was not evaluated for compliance with land use, zoning, wetlands, or similar laws. This report is not intended to be an environmental compliance audit.

Hazardous substances naturally occurring in plants, soils, and rocks (e.g., heavy metals, naturally occurring asbestos, or radon) are not typically considered in these investigations. Similarly, construction debris (e.g., discarded concrete, asphalt) is not considered to be of concern unless observations suggest that hazardous substances are likely to be present in significant concentrations.

Unless otherwise noted, sampling and laboratory analyses of soil, water, air, building materials, or other media, were not performed as part of this investigation. Positive identification of hazardous substances can only be accomplished through sampling and appropriate laboratory analysis.

SCS Engineers assumes no responsibility for the accuracy of information obtained from, compiled by, or provided by third-party sources, such as regulatory agency listings. Unless obviously inaccurate or if information exists to the contrary, SCS Engineers assumes that

information collected during this environmental site assessment is accurate and correct. Unless warranted, information collected has not been independently validated as part of this assessment.

The following information is the responsibility of the User (40 CFR 312.22) and is not included in this Phase I Assessment Report:

- Specialized knowledge or experience of the User.
- The relationship of the purchase price to the fair market value of the Property. The purchaser of a Property is required to consider whether any differential between the purchase price and the fair market value of the Property is due to the presence of releases or potential releases of hazardous substances at the Property.

Certain other limitations could affect the accuracy and completeness of this report, as follows:

- Site Access Limitations – Access to the Baker Tanks storage yard was not available during the July 2, 2015 site walk, however the site was visible from the street and observations from the adjacent river path were made.
- Physical Obstructions to Observations – The Property is primarily used as storage yards by three different facilities, portions of the yards were obstructed by the storage of piping, empty tanks,
- Outstanding Information Requests – None
- Historical Data Sources Failure – None
- Other Limitations – None

6 GENERAL SITE CHARACTERISTICS

SITE LOCATION

The Property consists of 10.74 acres of outdoor storage yard and is comprised of approximately five and a half parcels in Long Beach, California. The Property was formerly part of the Long Beach Public Service Yard (the “Former Service Yard”). Four and a half of these parcels are on contiguous city blocks bounded by West Anaheim to the south, San Francisco Avenue to the east, the Long Beach Public Service Yard to the north, and the Los Angeles River Flood Control Channel to the west. These contiguous parcels also include the intervening street rights-of-way (14th, Cowles, 15th, and 16th Streets) which were incorporated into the Former Service Yard and the current various storage yards. Numerous addresses have currently or historically been associated with the Property and it is important to note that operations on this portion of the Property were sometimes included under the address of 1725 San Francisco Avenue, although this address is physically north of the Property and still occupied by the City of Long Beach Public Service Yard.

The fifth parcel is located on the northwestern quadrant of the city block bounded by Esther Street to the south, San Francisco Avenue to the east, Pacific Coast Highway to the north, and the

Los Angeles River Flood Control Channel to the west. This northernmost parcel is located approximately 700 feet north of the other parcels and has an address of 940 Pacific Coast Highway.

The assigned Los Angeles County Tax Assessor's Parcel Numbers have varied in recent years and currently are (from north to south) 7271-017-015 (the northernmost noncontiguous parcel), 7271-012-020, 7271-012-023, eastern portion of 7271-011-008, 7271-008-013, and the most southerly parcel does not currently have an associated APN according to the County Tax Assessor's website (may be due to recent or ongoing parcel change activity). In addition, APNs 7271-012-020, 7271-012-023, 7271-011-008 (eastern portion), and 7271-008-013 are currently being re-parceled. Certificate of Compliance No. 1411-08A (for APNs 7271-012-020 and 7271-012-023) and No. 1411-08C (for 7271-011-008 [eastern portion] and 7271-008-013) have been filed in official records of the Recorder's Office in Los Angeles County.

APN maps and the Certificate of Compliance showing the Property are provided as **Figure 2a and 2b** in **Appendix A**. A March 2015 aerial photograph of the Property and surrounding area is provided as **Figure 3**.

GENERAL SITE DESCRIPTION

As depicted on **Figure 3**, the Property is leased by three different facilities as follows:

The northerly noncontiguous parcel (APN 7271-017-015) is occupied by Ocean Blue Environmental Services, Inc. (Ocean Blue). This parcel is approximately 0.34 acres and is used as a surplus storage yard for Ocean Blue's trailers and materials (Ocean Blue Yard).

The northern portion of the contiguous area of the Property (APNs 7271-012-020 and 7271-012-023) is occupied by BakerCorp (Baker) as a storage yard (the "Baker Yard"). The Baker Yard is comprised of approximately 4.01 acres and is used to store their empty tanks.

The southern portion of the contiguous area of the Property (APNs 7271-011-008 [eastern portion only], 7271-008-013, and the most southerly parcel which does not currently have an associated APN) is occupied by Petros Tubular Services, Inc. (Petros) as a storage yard (the "Petros Yard"). The Petros yard is comprised of approximately 6.39 acres and is used to store pipes and fittings associated with the oil and gas industry.

The yards are mostly asphalt paved and according to the Los Angeles County Tax Assessor's parcel maps, the contiguous portion of the Property includes the intervening streets that historically ran between parcels.

ADJOINING PROPERTY USE

Adjacent properties to the noncontiguous northerly parcel (APN 7271-017-015) consist of the following:

- North – Pacific Coast Highway overpass, across which is residential property
- East – Goodwill services yard

- South – Ocean Blue Environmental Services
- West – The Los Angeles River and associated river trail, across which is industrial property

Adjacent properties to the four and a half contiguous parcels consist of the following:

- North – Long Beach Public Service Yard
- East – Commercial/Industrial properties (identified on **Figures 4a and 4b**)
- South – Anaheim Avenue overpass, across which is commercial/industrial property
- West – The Los Angeles River and associated river trail, across which is industrial property

7 PHYSICAL SETTING

PHYSIOGRAPHIC SETTING

According to the U.S. Geological Survey (USGS), Long Beach (1964, photorevised 1981), California 7.5 minute topographic map, the Property is located immediately east of the Los Angeles River at an elevation of approximately five feet above mean sea level about 1.3 miles north of San Pedro Bay. Regional topography is relatively flat with a gentle slope to the west.

GEOLOGY AND SOILS

Geologic maps indicate that surface sediments in the area are Quaternary alluvium and coastal deposits of silt, sand, and gravel that are underlain by the late Pleistocene Lakewood Formation. The Lakewood Formation, which consists of gravel, sand, sandy silt, silt and clay with shale pebbles, extends to a depth of approximately 100 feet (California DWR, Bulletin No.104). Sediments below the Lakewood Formation belong to the late Pleistocene San Pedro Formation.

GROUNDWATER

The Property is located in the southern portion of the West Coast Groundwater Basin. The first groundwater aquifer in the region is within the Gage Aquifer within the Lakewood Formation. Based on groundwater monitoring reports for a former underground storage tank (UST) site located in the 14th Street right-of-way on the Property (SCS, April 2010), first groundwater is approximately 4 to 5 feet below ground surface (bgs) and flows southeasterly in direction. Shallow groundwater has locally been impacted by saltwater intrusion; therefore, it is not used as a drinking water source. Groundwater beneath the Property may be tidally influenced due to tides in the adjacent Los Angeles River. Groundwater in the area of the former 14th Street right-of-way UST has been impacted by gasoline-related constituents.

RADON

According to the California Department of Health Service's October 2002 report *Radon Database for California* and the June 2008 update to this report, screening in the area of the Property (90813) found no locations where buildings had radon levels in excess of 4 pCi/L (the

EPA action level). The alluvial geology of the Long Beach area is not normally associated with elevated radon levels. Based on the available information, therefore, elevated radon gas is not expected in the area of the Property.

8 SITE INSPECTION

An inspection of the Property and surrounding area was conducted on July 2, 2015, by Ashley Hutchens of SCS. A sketch map and photographs of the Property are provided in **Appendix B**. A description of the three storage yards occupying the Property, from north to south, is presented in the following narrative.

Ocean Blue Yard

The most northerly parcel (APN 7271-017-015) occupies the northwesterly portion of the city block bounded by Pacific Coast Highway to the north, San Francisco Avenue to the east, Esther Street to the south, and the Los Angeles River Flood Control Channel to the west. Access to this parcel was provided by Mr. Justin Lee, Director of Ocean Blue. The area is comprised of 0.34 acres and was used to store Ocean Blue's tractor trailers, bins, booms, etc. used for cleanup at their jobsites. No permanent structures were present on the Property. The parcel was asphalt paved and fenced with the exception of the southern boundary which continues into the remainder of the Ocean Blue yard (not a part of the Property).

Baker Yard

The Baker Yard consists of the northern portion of the contiguous area of the Property (APNs 7271-012-020 and 7271-012-023) and is comprised of approximately 4.01 acres. The Baker Yard was not accessible for inspection during the July 2, 2015 site walk and was therefore observed from the perimeter. Three structures were observed on the Property and the remaining areas are used for storage. Baker stores various types of mobile tanks which are then transported to various jobsites as needed. Storm drains and associated concrete channels were observed across the yard.

Petros Yard

The Petros Yard consists of the southern portion of the contiguous area of the Property (APNs 7271-011-008 [eastern portion only], 7271-008-013, and the most southerly parcel which does not currently have an associated APN). Access to this area was provided by Mr. Servando Ruiz, Supervisor for Petros. The Petros Yard is comprised of approximately 6.39 acres and is used to store oil and gas pipes and associated fittings. The fittings are stored in a caged area located on the east side of the southerly parcel. Petros has recently taken over the northern portion of their yard consisting of APNs 7271-008-013 and eastern portion of 7271-011-008.

A curb and storm drain were observed on the western side of the southerly parcel which appear to be remnants of De Forest Avenue. Several other storm drains were observed across the Petros Yard.

Two 55-gallon drums of diesel fuel were observed an open shed in the cage area on the south parcel. The drums are stored on secondary containment and a spill kit was observed adjacent to the drums. Concrete forms with an oily film were observed on the western portion of the south

parcel. Mr. Ruiz indicated they use diesel to “grease” the forms prior to pouring the concrete into the forms. The diesel is also used for the forklifts used in the Petros Yard.

HAZARDOUS SUBSTANCES

During the site inspection the only hazardous substance observed was the diesel fuel in the Petros Yard, as described above. Mr. Ruiz indicated the drums, located on secondary containment, are replenished every few weeks.

NATURAL DRAINAGE

Natural waterways are not currently located on the Property. The Los Angeles River Flood Control Channel is located immediately west of the Property. Numerous storm drains were observed on the Property. Runoff from the Property drains to these storm drains and to the surrounding streets.

DISTURBED AREAS

No obvious disturbed areas were observed during the site inspection.

ELEVATORS AND OTHER HYDRAULIC EQUIPMENT

No elevators or other hydraulic equipment were observed on the Property.

WELLS

No wells were observed on the Property. Groundwater wells were previously located on the Property in association with a former UST as discussed in a later section of this report.

ELECTRICAL EQUIPMENT

A new pad-mounted electrical transformer was observed at the northeast corner of APN 7271-008-013 of the Petros Yard. SCE has stated that they have never specified the purchase of distribution transformers utilizing PCBs as the insulating/cooling fluid. SCE transformers utilize mineral oil exclusively. In a statistically valid test of over 20,000 SCE distribution transformers, SCE determined that the concentrations of PCBs in the mineral oils was less than 50 parts per million (ppm) in over 96 percent of the units.

WASTEWATER

Domestic sanitary sewage generated on the Property, if any, would be discharged to the city sewer system.

DRINKING WATER

Drinking water is supplied to the Property by the City of Long Beach. All large public water suppliers in California have been required to test their water and comply with federal and state drinking water standards since the mid-1980s. Consequently, lead and other contaminants of concern are not expected to be present in the drinking water supply above applicable primary and secondary drinking water standards.

STORAGE TANKS

Other than the numerous empty above-ground storage tanks at the Baker Yard, no above ground or underground storage tanks that were in-use were observed on the Property. Former USTs were located on the Property as discussed in a later section of this report.

VISUAL INSPECTION OF ADJOINING SITES

Businesses observed on adjoining sites during the site inspection included: Harbor Custom Canvas, L.W. Hydraulic Services LLC, The Food Bank of Southern California (and associated parking lot), Gulf Marine and Industrial Supplies Inc., Ready Storage, BCIA Precision Casting, Graybar Distributor of Electrical and Comm/Data Products, Long Beach Seafood Co., L&L Towing and Impound Alley, Goodwill (and associated parking lots), and Ocean Blue Environmental Services.

No obvious RECs were observed on any of the adjacent properties, however three aboveground fuel storage tanks were observed at the adjacent Ocean Blue facility. In addition, Ocean Blue conducts auto maintenance operations of their vehicles and stores containerized hazardous materials from various job sites on a trailer for a maximum of 10 days.

9 INTERVIEWS

Ocean Blue Yard

During the site inspection on July 2, 2015, Mr. Justin Lee, Director of Ocean Blue, indicated that they use the Property for storage primarily of boom adsorbent materials, empty storage bins, and tanker trucks. Mr. Lee indicated that hazardous materials are not stored on the Property with the exception of an occasional tanker truck that comes from a job site in the middle of the night and the contents are held in the tanker until the next day when they can be taken to an appropriate facility for disposal. Mr. Lee indicated that Ocean Blue has not received any violations and has not had any spills. The occasional temporary storage of hazardous wastes in the tanker trucks is considered to be a *de minimis condition*.

Baker Yard

The Baker Yard was not accessible for inspection during the July 2, 2015 site walk. However, this portion of the Property was inspected from the perimeter and Baker was contacted by phone for an interview. Ms. Tanya Pratt, Corporate Real Estate Manager for Baker, answered questions regarding the Baker Yard by phone on July 10, 2015. Mr. Pratt indicated that Baker has leased

the Property since February 2012 and leases only the yard for storage of their tanks, they do not use the structures on the Property. The tanks are empty when stored on the Property and after use on various job-sites the contents are emptied and tanks cleaned prior to their return to the Property.

Petros Yard

During the site inspection on July 2, 2015, Mr. Servando Ruiz, Supervisor for Petros indicated they have occupied the southern portion of their current yard for approximately three years. Petros recently expanded to the northern portion of the Property in late 2014.

10 SITE HISTORY

Site history was evaluated from the following sources:

- Historic U.S. Geological Survey (USGS) topographic maps provided by Environmental Data Resources (EDR) (June 17, 2015).
- Historical aerial photographs dating from 1923, 1928, 1947, 1953, 1963, 1972, 1987, 1989, 1994, 2002, 2005, 2009, 2010, and 2012 provided by Environmental Data Resources (EDR) (June 18, 2015).
- City of Long Beach Department of Building and Safety building permit information. Sanborn Fire Insurance maps from the years 1949, 1950, and 1963 obtained from the EDR-Sanborn collection (October 4, 2010 and June 19, 2015).
- City Directory review report provided by EDR (June 17, 2015).

Copies of Sanborn maps, aerial photographs, city directories, topographic maps are included in **Appendix C**.

APN/Address	Year	Description	Source
Undetermined	1925	Two buildings are depicted on the southern half of the contiguous portion of the Property	Topo Map
7271-017-015 (940 Pacific Coast Highway)	1923/ 1928	Vacant	Aerial
	1939	Hotel and Café	Building Permits
	1947	The parcel has been developed with a structure.	Aerial
	1950	The parcel is developed with a 34 room structure.	Sanborn
	1953	The parcel appears similar to the 1947 photo.	Aerial
	1963	The parcel is occupied by the Southern Motel Inn and appears similar to the 1953 photo.	Sanborn/ Aerial
	1972	The parcel is still occupied by a structure similar to the 1963 photo.	Aerial
	1987/ 1989	The parcel appears similar to the 1972 photo.	Aerial
	1990	Demo hotel building to ground level.	Building Permits

APN/Address	Year	Description	Source
	1994	The parcel appears to be vacant (unable to determine if the structure is present in the 1989 aerial due to poor resolution).	Aerial
	2005	The parcel appears predominately vacant, however due to more resolution, it is difficult to determine if a structure is present on a small portion.	Aerial
	2009/ 2010/ 2012	The parcel appears vacant.	Aerial
7271-012-020 (1601-1607 San Francisco Ave, 921-925 W. 16 th St.)	1923/ 1928	Vacant	Aerial
	1947	The parcel has been developed with several structures.	Aerial
	1950	Occupied by Long Beach City Yard. Depicted structures include: offices, cement and car storage, general storage, vehicle storage and repair, and concrete sump/storm drain were located on the parcel.	Sanborn/ Building Permits
	1952	Paint Shop and vehicle shed, city public service department	Building Permits/City Directories
	1953	The parcel appears similar to the 1947 photo.	Aerial
	1963	Depicted structures include: “autos and storage,” general storage, and sump/storm drain. The parcel appears similar to the 1953 photo.	Sanborn/ Aerial
	1964- 2006	Long Beach City of Public Service Bureau	City Directories
	1995	Convert storage bldg into traffic signal office	Building Permits
	2006	“SV BUR GAS” is one of several occupants at 1601 San Francisco Ave	City Directories
	2010	The parcel appears similar to previous photos.	Aerial
	2012	The parcel is part of the Baker Yard and appears similar to its current condition.	Aerial
7271-012-023 (1501 San Francisco, 925 W. 15 th St, 926 W. 16 th St.)	1923/ 1928	Vacant	Aerial
	1950	Vacant	Sanborn
	1953	Several structures are present on the northern portion of the parcel.	Aerial
	1963	Occupied by Long Beach City Yard. Depicted structures include: offices, a sign shop, a paint shop, and car storage.	Sanborn
	1972/ 1987	Several additional structures are present on the southern portion of the parcel.	Aerial
	2010	The parcel appears similar to previous photos.	Aerial

APN/Address	Year	Description	Source
	2012	The parcel is part of the Baker Yard and appears similar to its current condition.	Aerial
Eastern Portion of 7271-011-008 (1451-1485 San Francisco Ave)	1923/ 1928	Vacant	Aerial
	1939 (thru 2000)	Long Beach City Chemistry & Testing Lab (1475 San Francisco Ave) listed as occupant through 2000	City Directories
	1947	The parcel has been developed with numerous structures fronting San Francisco Avenue.	Aerial
	1950	Occupied by Long Beach City Yard. Depicted structures include: a lab, storage facility, a repair shop, a kennel, gas chambers, a hutch, carpentry, and an office.	Sanborn
	1953/ 1963	The parcel appears similar to the 1947 photo.	Aerial
	1963	Occupied by Long Beach City Yard Maintenance Department. Depicted structures include: a lab, storage facilities, a repair shop, a paint shop with a metal spray booth, and offices.	Sanborn
	1972 through 2012	The parcel appears similar to the 1953 photo.	Aerial
	2000 (since 1939)	Chemistry Lab still listed as occupant	City Directories/ Building Permits
7271-008-013 (901-935 W. 14 th St/1401- 1455 San Francisco Ave)	1923	A structure is present on the eastern portion of the parcel.	Aerial
	1926	A municipal garage is listed at 1401 San Francisco Ave	City Directories
	1928	The parcel is occupied by several structures	Aerial
	1929	A storage shed and municipal garage owned by the City of Long Beach were located on the Property at 901 W. 14 th Street and 1401 San Francisco Avenue.	Building Permits
	1931	City Garage	City Directories
	1932	Carpenter Shop and Store Room	Building Permits
	1947	The parcel has been developed with numerous additional structures.	Aerial
	1950	Occupied by Long Beach Public Service Dept. Depicted structures include: warehouses, woodworking and plumbing, storage, and paint shop.	Sanborn/City Directories
	1953	Several structures are present on the parcel and it appears to be paved.	Aerial

APN/Address	Year	Description	Source
	1963	Additional details indicate operations including: parking Meter Dept, electrical warehouse, surveyors equipment storage, paint storage	Sanborn
	1972	The parcel appears to have the same structures as previous photos and additional smaller structures (possibly storage) are present.	Aerial
	1989	The parcel appears similar to the 1972 photo, with storage of different (unknown) items.	Aerial
	2002/ 2005	Parcel appears similar to previous photos.	Aerial
	2008	Removal of 2 USTs @ Site 43 (permit listed under 1725 San Francisco Ave, however the physical location of the USTs is known to be 1445 San Francisco Ave).	Building Permits
	2010/ 2012	Parcel appears similar to previous photos.	Aerial
No current APN assigned (most recently 7271-007-903) (901-935 W. Anaheim St./ 1301-1327 San Francisco Ave/ 934-960 W. 14 th St)	1923	The parcel has several small structures.	Aerial
	1924	Office-Warehouse	Building Permits
	1926	Superior Laundry was listed at 1317 San Francisco Ave.	City Directories
	1928	The parcel is occupied by several new structures at the southeast corner.	Aerial
	1931- 1935	Gas Station at 949 West Anaheim Street, it is possible that this is a historical address of this parcel.	City Directories
	1939 - 1969	Fickling Lumber Company occupied 929 W. Anaheim St. through 1969.	City Directories
	1947	The parcel has been developed with several additional structures.	Aerial
	1950	Occupied by Fickling Lumber Company. Depicted structures include: planning mill, lumber shed, dog and cat hospital and kennel, Long Beach Janitor Supply Co and "Co. Chemols".	Sanborn/City Directories
	1953	A road is traversing north to south on the westerly portion of this parcel connecting to 14 th Street with numerous structures on the east portion.	Aerial
	1963	Occupied by A.E. Fickling Lumber Company. Depicted structures include: lumber storage, a mill, and building supplies. De Forest Avenue traversed north-south through the western portion of the parcel.	Sanborn/ Aerial
	1972	Parcel appears similar to the previous photos.	Aerial
	1981	Demolish wood shed	Building Permits
	1982	Construct new office & 10 garages - Permit stamped VOID.	Building Permits

APN/Address	Year	Description	Source
	1983	Change of address from 1317 San Francisco to 901 W. Anaheim.	Building Permits
	1989/ 1994	The road is no longer traversing this parcel; the entire parcel appears to be parking.	Aerial
	2000	Occupied by Long Beach City Auto Towing Operation.	City Directories
	2005/ 2009/ 2010/ 2012	Parcel appears predominantly vacant with the exception of a structure at the east/southeast corner and potentially several vehicles.	Aerial
	2013	Petros Tubular	City Directories

HISTORICAL USE SUMMARY

Historical information indicates that portions of the Property were developed for commercial use as early as 1926, and have been used for commercial or industrial purposes since that time. Superior Laundry was identified in only the 1926 city directory at 1317 San Francisco Avenue. A gas station was identified in the city directories at 949 West Anaheim Street from at least 1931 to 1935. Confirmed street addresses for this portion of the Property are known to be 901-935 West Anaheim Street, however it is possible that the 949 address was part of the Property. A lumber company occupied the southerly parcel from 1939 through the early 1980s, when records indicate that a portion of the Property was redeveloped with the City of Long Beach Tow Yard. Two USTs were removed from the Property under a permit with the address of 1725 San Francisco Avenue; however these USTs are known to be formerly located at 1445 San Francisco Avenue (APN 7271-008-013). The removal and status of these USTs is further discussed below.

The majority of the contiguous portion of the Property has been predominately occupied by numerous divisions of the City of Long Beach since at least 1929 through 2013 with operations including: sewer maintenance, street maintenance, chemistry lab, towing operations, and public service. The non-contiguous northerly parcel (APN 7271-017-015 at 940 Pacific Coast Highway) was occupied by a motel from 1939 to 1990, and appears to have been used for materials storage (sand, gravel, equipment, parking, etc.) until recently.

It is possible that the “laundry” facility identified on the Property in 1926 at 1317 San Francisco Avenue also conducted dry cleaning operations. However, any dry cleaning operation in the 1920s would very likely have used a petroleum-based solvent (gasoline or Stoddard), and dry cleaning operations using petroleum products were, in SCS’s experience, unlikely to have resulted in any significant environmental impact to the parcels they occupy. In addition, a previous soil vapor survey (discussed below) did not identify any significant concentrations of solvents. In summary, the presence of a “laundry” or possible dry cleaning operation in 1926 does not represent an environmental concern for the Property.

A gas station was identified at 949 West Anaheim Street from 1931 to 1935. As indicated above, this address is not a known historical address of the Property; however it is possible that it was

historically part of the Property. The possible presence of a former gas station on the Property was previously investigated, as discussed in a later section of this report, and constitutes a historical recognized environmental condition (HREC).

HISTORICAL USE OF ADJOINING SITES

Surrounding properties were predominately commercial/industrial and included the following:

North – Pacific Coast Highway, across which included: an auto court and dwellings occupied the area to the north across Pacific Coast Highway. The area was residential by 1963.

East – San Francisco Avenue, across which included: truck parking, vacant lots, Adhor Milk Farms, truck services, liquor market, an office, plumbing supplies, a food facility, a meat refrigeration site, a machine shop, and tourist court units.

South – West Anaheim Street, across which included: a plumbing supply company in 1950 and electric appliance warehouse in 1963.

West – The Los Angeles River Flood Control Channel.

11 COMMONLY KNOWN OR REASONABLY ASCERTAINABLE INFORMATION

In order to identify commonly known or reasonably ascertainable information about the Property, SCS reviewed previous environmental reports and various regulatory agency files and interviewed regulatory agency personnel. The following information was identified.

PREVIOUS ENVIRONMENTAL REPORTS

The following reports have been prepared and/or reviewed by SCS:

- SCS Engineers, February 22, 2005. *Phase I Environmental Assessment, Long Beach Public Service Yard, San Francisco Avenue – 7 APNs, Long Beach, California*, (File No. 01204007.01)
- SCS Engineers, August 2, 2005. *Phase II Site Investigation Report, Long Beach Public Service Yard, 1601 San Francisco Avenue, Long Beach, California*, (File No. 01204007.02)
- SCS Engineers, October 17, 2005. *Groundwater Investigation Report, Former Long Beach City Tow Yard, 901 West Anaheim Street, Long Beach, California*, (File No. 01204007.02)
- SCS Engineers, April 17, 2006. *First Quarter 2006 Groundwater Monitoring, 901 West Anaheim, Long Beach, California*, (File No. 01204007.02).
- SCS Engineers, July 18, 2006. *Second Quarter 2006 Groundwater Monitoring, 901 West Anaheim, Long Beach, California*, (File No. 01204007.02).

- SCS Engineers, October 16, 2006. *Third Quarter 2006 Groundwater Monitoring, 901 West Anaheim, Long Beach, California*, (File No. 01204007.02).
- Pacific Coast Tank, July 1, 2008. *Underground Storage Tank Removal Report*.
- SCS Engineers, April 2010. *Groundwater Monitoring Report, Former Long Beach City Tow Yard, 901 West Anaheim Street, Long Beach, California*, (File No. 01209295.00).
- SCS Engineers, November 5, 2010. *Phase I Environmental Assessment, Former Long Beach Public Service Yard, 5½ Parcels at Anaheim Street and San Francisco Avenue, Long Beach, California*, (File No. 01210161.00)
- SCS Engineers, December 1, 2010. *Phase II Site Investigation Report, Long Beach Public Service Yard, 949 W. Anaheim Street, Long Beach, California, 90813, APN 7172-007-903* (File No. 01210161.01).
- SCS Engineers, August 9, 2011. *Report of Closure Activities – Former Long Beach City Tow Yard, 901 West Anaheim Street, Long Beach, California (RWQCB Case No 9081304498)*.
- SCS Engineers, March 2, 2012. *Confirmation Sampling Report, Former Long Beach Public Service Yard, APNs 7271-007-005 and 7271-012-023, Long Beach, California* (File No. 01210161.05).
- SCS Engineers, March 2012. *Remedial Action Plan, Former Long Beach Public Service Yard (APNs 7271-011-008 and 7271-008-013, Long Beach, California* (File No. 01210161.03).
- SCS Engineers, July 18, 2012. *Summary Report Related to a Geophysical Survey at 949 West Anaheim Street and “Suspect” Wells at 1601 San Francisco Avenue, Long Beach, California* (File No. 01210161.07).
- SCS Engineers, February 2013. *Clarifier Removal Report, Former Long Beach Public Service Yard, 1725 San Francisco Avenue, Long Beach, California, 90813* (File No. 01212361.00).
- SCS Engineers, May 9, 2013. *Draft Summary of Site Characterization Activities and Analytical Data Letter, Former Long Beach Public Service Yard, 1725 San Francisco Avenue, Long Beach, California* (File No 01212361.00).
- SCS Engineers, (March 2012) Revised May 2014. *Revised Remedial Action Plan, Former Long Beach Public Service Yard (APNs 7271-011-008 and 7271-008-013), Long Beach, California* (File No. 01210161.09).
- SCS Engineers, October 6, 2014. *Letter Re: Submittal of Proposed CAP detail and Schedule, Former Long Beach Public Service Yard (APNs 7271-011-008 and 7271-008-013), Long Beach, California* (File No. 01210161.10).

- SCS Engineers, March 23, 2015. *Site Remediation and Closure Report, “Yard Parcel” of the Former Long Beach Public Service Yard (APNs a portion of 7271-011-008 and 7271-008-013, Long Beach, California (File No. 01210161.10).*

The Phase I and Phase II conducted by SCS in 2004/2005 included a portion of the Long Beach Public Service Yard (physically located at 1725 San Francisco Avenue, the city block between Esther and 17th Streets and the northern half of the city block between 17th and 16th Streets) that is not included as part of this assessment and therefore are not discussed below. However, it should be noted that the address of 1725 San Francisco Avenue has been used for operations (i.e. UST removal and potentially other waste disposal) throughout the service yard, including portions of the Property covered by this assessment. In addition, please note that the APNs associated with the Property have changed over the years.

Copies of previous reports are included on CD in **Appendix D**.

Summary of Previous Investigations

In 2005, SCS conducted a Phase I ESA of 7 parcels utilized for various operations performed by Long Beach Public Services (e.g. traffic management, street maintenance, and landscaping). At the time of this investigation the Property was still occupied (with the exception of the northerly and southerly parcels [previous APNs 7271-017-900 (currently APN 7271-017-015) and 7271-007-903 (no current APN assigned)] and interviews with staff were conducted. In 2010, SCS conducted a Phase I ESA of five and a half of the above parcels. The previous Phase I ESAs concluded the following:

- The Property was previously utilized for various operations performed by Long Beach public service departments (e.g. traffic management, street maintenance, and landscaping). The Property was occupied by numerous buildings and storage sheds. A carwash, two clarifiers, paint spray booth, chemical cabinet and former fueling station were also observed on the Property. Numerous potential environmental concerns were identified on the southern portion of the Property (excluding the noncontiguous northern parcel), including fill material containing debris from the 1933 earthquake and petroleum-related impacts to soil and/or groundwater from underground fuel storage tanks. Further, historic operations on these parcels have included vehicle and equipment maintenance, painting shop, chemical laboratory, landscaping departments, machine shop, etc. The locations and nature of these operations appears to be transitory, and it is possible that waste oils, various pesticides, oils, paint and solvents were spilled or leaked over the 70 plus years of operation. (Note, historical features have since been removed and these areas have been investigated and are further discussed elsewhere in this report).
- A previous Phase II investigation (SCS, August 2, 2005), was conducted to address the concerns in the 2005 Phase I ESA, and consisted of collection and analysis of 30 soil vapor samples to assess for the presence of volatile organic compounds (VOCs) and drilling 26 exploratory borings to depths ranging from one to ten feet bgs. Soil samples were collected and selectively analyzed for total petroleum hydrocarbons, heavy metals, organochlorine pesticides, and/or VOCs. The Phase II report concluded the following:

- No significant concentrations of petroleum hydrocarbons (above Soil Screening Levels) were detected in soils. Only trace concentrations of 1,1,1-TCA (2.6 µg/l in one of 30 samples) and PCE (up to 5.9 µg/l in 3 of 30 samples) were sporadically detected in soil vapor samples. In 2005, based on experience with similar sites, SCS concluded that concentrations of VOCs in this range were generally not of concern to regulatory agencies.
- Soil gas samples in the area of the carwash clarifier and paint clarifier did not contain detectable concentrations of VOCs. However, a soil sample from this area at five feet bgs contained elevated concentrations of metals, including arsenic, chromium, copper, lead, nickel and zinc. The source of the metals in soil is unknown; they may be related to historic operations in this area, or to fill soils (the area is topographically elevated with respect to the area to the east). In addition, elevated concentrations of lead were identified in several other samples from suspected fill areas. Soils may contain metals at concentrations that may be a potential risk to human health, or require special consideration (i.e., additional testing and characterization) prior to removal and/or disposal. Additional investigation and remediation for metals was recommended prior to any redevelopment of this area of the Property.

Based on the results of previous investigations and continued site operations with a potential for chemical releases, the two remaining clarifiers and paint spray booth were considered recognized environmental conditions (RECs). Based on the results of the previous SCS Phase II investigation in 2005, the previously identified hazardous materials storage areas, previous use of solvents, and former fueling station were considered historical recognized environmental conditions (HRECs). There were apparently no significant changes in service yard operations between the 2005 and 2010 Phase I ESAs (with the exception of their reduction or cessation), therefore, no significant changes in changes in the nature or extent of contamination were anticipated.

- Interviews conducted with City of Long Beach staff during the 2005 Phase I ESA revealed that fill material was likely placed on the western portion of the Property; the source of this material is unknown, but may include debris from the 1933 earthquake. An obvious elevated area was noted on the northwestern portion of parcel 7271-011-900 (between 15th and Cowles Streets). (Note, this area has since been investigated and/or removed and is further discussed below).
- Historical information indicates that portions of the Property were initially developed for commercial use as early as 1926, and have been used for commercial or industrial purposes since that time. Historical information identified that two previous occupants of the Property as Superior Laundry at 1317 San Francisco Avenue in 1926, and a gas station at 949 West Anaheim from at least 1931 through 1935.

It is possible that the laundry operations could have included dry cleaning. However, based on SCS's experience, any dry cleaning operation in the 1920s would very likely have used a petroleum-based solvent (gasoline or Stoddard), and dry cleaning operations using petroleum products were unlikely to have resulted in any significant environmental impact to the parcels they occupy. As discussed elsewhere in this report, a soil vapor

survey did not identify any significant concentrations of solvents. In summary, in SCS's opinion, the presence of a "laundry" or possible dry cleaning operation in 1926 does not represent a REC for the Property. The address of the historical gas station at 949 West Anaheim Street is not a confirmed address on the Property; however it may nevertheless have been located on the southern-most parcel, APN 7271-007-903. Historic aerial photographs show a building on the southeastern corner of this parcel in 1928. This possible historic gas station was considered a REC. (Note, this area has since been investigated and/or removed and is further discussed below).

- Historical information identifies four known USTs historically located on the Property as follows: (1) a 1,000-gallon unused UST; (2) 550-gallon gasoline UST; and (3) two 12,000-gallon USTs (one diesel, one gasoline) as part of a former fueling station. The current known status of these USTs are as follows:
 - (1) A 1,000-gallon unused UST was located on the western portion of the 16th Street right-of-way just south of APN 7271-012-905 (currently APN 7271-012-020; **Figure 4a**). This UST was originally meant to contain solvent/kerosene, was installed on July 19, 1988, and removed in January 1999. Regulatory closure was received from the Joint Powers Agency (currently the Long Beach Department of Health and Human Services [DHHS]) in the "No Further Action" Letter dated March 25, 1999 (**Appendix E**), which also provided closure for three (3) other USTs associated with the Long Beach Public Works Yard at 1725 San Francisco, but not associated with the Property.
 - (2) A 550-gallon gasoline UST was located in the 14th Street right-of-way just north of APN 7271-007-903 (**Figure 4b**). A "UST Unauthorized Release (Leak)/Contamination Site Report" dated May 29, 1996 indicated that on August 30, 1995 it was discovered that an unknown quantity of gasoline leaked from a 30 plus year old UST at 901 West Anaheim Street. This UST was removed by Maness Environmental on August 30, 1995.

SCS installed three groundwater wells in July 2005 and five groundwater monitoring events have been conducted since. Groundwater flow direction has been to the southeast with groundwater most recently encountered in February 2010 (SCS, April 2010) at depths between 3.90 and 4.98 feet bgs. Groundwater samples have contained concentrations of total petroleum hydrocarbons (TPH) as gasoline (up to 1.84 milligrams per liter [mg/L]), benzene (up to 45.8 micrograms per liter [µg/L]), toluene (up to 2.8 µg/L) ethylbenzene (up to 58.7 µg/L), xylenes (up to 9.4 µg/L), and MTBE (up to 3.9 µg/L). SCS concluded that concentrations of fuel-related constituents in groundwater have remained relatively stable between 2005 and 2010. Based on this information, SCS concluded that further investigation or monitoring was not warranted and that the data support closure for groundwater.

However, historical information indicates that residual hydrocarbon concentrations in soil are above generally-accepted cleanup goals and that remediation of soils is therefore warranted. SCS recommended that soil remediation be conducted with proposed future development, so that remediation goals would be consistent with future use.

The RWQCB issued a letter on November 2, 2010 requiring semi-annual groundwater monitoring to verify concentrations remain low. The RWQCB also indicated that a

Remedial Action Plan for soil remediation be submitted along with a schedule, or that a soil vapor survey be conducted to assess the human health risks to determine if the case can be closed with the current residual soil impacts. (Upon further review, the RWQCB issued an NFA letter, as further described below).

- (3) Two 12,000-gallon USTs were located at the northeast corner of APN 7271-008-901 (currently APN 7271-008-013) at 1445 San Francisco Avenue (**Figure 4b**). Long Beach DHHS files revealed an Underground Storage Tank Removal Report, dated August 7, 2008 for the removal of two 12,000-gallon USTs (one gasoline and one diesel). The tanks, installed November 1998 were removed on July 2, 2008. The USTs were reportedly in good condition upon removal, however, approximately two feet of groundwater filled into the UST excavation upon removal and free product diesel was observed floating on the groundwater in the southwest corner of the excavation. The fuel was reportedly leaked into the pea-gravel backfill surrounding the USTs during the excavation of one of the dispenser pans. Mitigation methods included using absorbent pads to skim the free product and a vacuum truck to remove approximately 5,000 gallons of groundwater. Analysis of soil samples collected from beneath each end of the USTs (at 16 feet bgs) and beneath each dispenser (at 6 feet bgs) indicated that no detectable concentrations of TPH or VOCs were present.

As a result of the impact to groundwater observed during removal, the DHHS referred the case to the RWQCB in an email dated October 10, 2008. In the email, the DHHS asked the RWQCB if a “no further action” letter should be issued. The RWQCB opened a case (T0603701971) and issued a letter dated November 24, 2008 requesting additional information. At the time of the Phase I ESAs a “no further action” letter had not been issued and SCS recommended following up with the RWQCB to obtain the “no further action” letter. (An NFA letter has since been issued as further described below).

- Regulatory database information identified the Property on the HAZNET, Historical Auto Station, Historical Cortese, CDL (clandestine drug lab) LUST, RCRA-SQG, FINDS, SWF/LF, EMI, and UST databases. The Cortese, LUST and UST database listings appear to relate to the historic UST operations, removals, and cleanups. Other EDR report information indicated that wastes such as organic solids, oil-containing wastes, aqueous solutions with organic residues, asbestos containing waste, unspecified solvent mixture waste, and waste oil and mixed oil, were used on the Property. Additionally, the database report indicated that a historical gas station (949 W. Anaheim St.), transfer station operation, and illegal drug lab formerly existed on the Property.
- Observations during the site inspection indicate that adjacent properties are currently occupied by numerous commercial/industrial operators. No obvious RECs for the Property were identified on these adjacent sites. However, regulatory database information also indicates that numerous sites within 0.25 miles of the Property have had releases of substances including hydrocarbons and volatile organic compounds, and groundwater in the area has been impacted. Based on this information, it is possible that impacted groundwater from these sites has migrated beneath the Property.

Since the completion of the previous Phase I ESA in 2010, the following series of events described in the above listed reports, have occurred resulting in NFA letters:

- The RWQCB further reviewed the City Tow Yard groundwater information and issued an NFA letter for the 550-gallon UST at the 14th Street right-of-way dated July 6, 2011 (**Appendix E**). The associated groundwater monitoring wells were subsequently abandoned on July 22, 2011 as summarized in the SCS, August 9, 2011 letter. Because the RWQCB closed the case allowing residual contamination to remain in place this former UST is considered a controlled recognized environmental condition (CREC). The RWQCB did not make any restrictions regarding the UST, however appropriate measures should be taken if digging is to occur in the area.
- As a result of SCS's follow-up regarding the two 12,000-gallon USTs removed in 2008, the RWQCB issued an NFA letter dated July 3, 2012. These two former USTs constitute an HREC with regards to the Property.
- A Phase II Investigation (conducted in November 2010) and geophysical survey (conducted in July 2012) were performed on the southern portion of former APN 7172-007-903 (no current APN assigned) for the historical gas station located at 949 W. Anaheim, which is not a confirmed address of the Property, but was potentially located in this area. The November 2010 and July 2012 investigations of the southern portion of the Property found no obvious signs of former USTs or associated fuel-impacts indicative of a release associated with former USTs. As a result, the potential of a former service station at 949 W. Anaheim is considered to be an HREC.
- In April 2012, SCS inspected two suspect wells identified at 1601 San Francisco Avenue. The inspection, summarized in SCS' letter dated July 18, 2012, determined the wells to be 6-inch steel casings (the use of which was unknown), however they were determined not to be groundwater wells and therefore the well boxes and steel casings are determined to be *de minimus conditions*.
- Since the bulk of the fill soil (presumed 1933 earthquake debris) was anticipated on two parcels in the center of the contiguous portion of the Property (APNs 7271-011-008 and 7271-008-013) a Remedial Action Plan (SCS, March 2012, Revised May 2014) was prepared for this area. Very little fill soil existed on northerly and southerly portion of the contiguous portion of the Property (APNs 7271-012-023 and 7271-007-005) and in order to expedite obtaining "no further action" letters for these parcels in anticipation of their eminent lease, a separate investigation under DHHS oversight was conducted. The results of this investigation (SCS, March 2, 2012) concluded that no evidence of significant impacts from lead or other metals associated with fill soil was identified. The DHHS subsequently issued NFA letters for these parcels dated July 11, 2012 (**Appendix E**). Therefore, the presence of fill soils on these two parcels is considered to be an HREC.
- APNs 7271-011-008 and 7271-008-013 that held the bulk of the suspected earthquake debris were remediated between August 2014 and February 2015. Because of the volumes of lead-impacted debris on these parcels, negotiations between the owner San Francisco Yard LLC (the "SFY") and City of Long Beach (the "City") were conducted to evaluate remedial alternatives for the Property. The remedial solution proposed and approved in the Remedial Action Plan was to move the impacted soil from the southern

and eastern portions of the Property and place them in a capped area on the northwesterly portion of the Property that the City would, in turn, purchase from SFY creating two “operable units,” as follows:

- **Yard Parcel** – This operable unit, owned by SFY, is an L-shaped, approximately 3.5 acre parcel that includes the southern portion of the Property as well as a strip of land fronting San Francisco Avenue. Remediation of the Yard Parcel was proposed to meet cleanup goals, with a goal of receiving an NFA letter from the DHHS.
- **Long Beach Parcel** – This operable unit is a rectangular-shaped parcel, approximately 1.8 acres in area, occupying the western two-thirds of APN 7271-011-008. This operable unit was used to stockpile the metals-impacted fill material, has been covered with two layers of a proposed 3 layer cap (third layer to consist of 1.5 feet of dirt to be placed in the future), and will be subject to a deed restriction as a condition of receiving an NFA letter. This parcel is being purchased from SFY by the City and is not part of the Property subject to this Phase I ESA.

As part of the remedial excavation activities of the Yard Parcel, approximately 44,000 cubic yards of impacted material was excavated from the Yard Parcel and placed on the Long Beach Parcel (not a part of the Property). Because debris extended beyond the Property boundaries, the impacted material was excavated to the extent possible without extending past the Property boundaries (i.e. into the river path). Therefore, impacted material will remain below the surface (and unexposed) in several other areas of the Property including: potentially beneath the building that remains on the Yard Parcel Property, along the western property line, and in an area where the Southern California Edison pole and support are located. The limited impacted areas that remain are depicted on **Figure 5**. Approximately 12,614 cubic yards of clean soil was imported from two construction sites for backfill of the remedial excavation area on the Yard Parcel. The excavation was backfilled, graded, and compacted prior to being asphalt paved for use by Petros. A total of 78 confirmation samples (S1 through S78) were collected on a grid spacing of approximately every 50 feet. Concentrations of lead in the 78 samples ranged from non-detect (less than 2.5 mg/kg) to 102 mg/kg, all well below the cleanup goal of 320 mg/kg. The DHHS issued an NFA letter dated April 27, 2015 (**Appendix E**). The presence of residual fill debris in certain areas of the Property is considered a CREC.

- In January 2013, clarifiers associated with former car wash (located within the fill area) and paint rinse areas were removed. Clarifier abandonment activities were conducted with oversight provided by Long Beach Fire Department and described in SCS’s report, *Clarifier Removal Report, Former Long Beach Public Service Yard* dated February 2013. Approval of the clarifier closure was pending the remediation and an NFA has been requested from the DHHS. The clarifiers are considered to be an HREC, however, it is recommended that the follow-up with the DHHS be conducted until the NFA letter is issued.

As previously indicated, copies of all associated reports are included on CD in **Appendix D**. Copies of NFA letters are included in **Appendix E**.

REGULATORY AGENCY RECORDS

Local regulatory agencies and other sources were contacted in an effort to identify any known or suspected contamination sites or incidents of hazardous waste storage or disposal which might have resulted in soil or groundwater contamination within a one-mile radius of the Property. Within the City of Long Beach, the Long Beach Fire Department generally acts as the lead enforcement agency for UST compliance. If soil or groundwater contamination is suspected, the Long Beach Department of Health and Human Services (DHHS) generally acts as the lead enforcement agency for subsequent investigations. However, if groundwater has been affected, the RWQCB generally becomes the lead agency for contamination characterization and cleanup.

Files have previously been reviewed as part of the previous Phase I ESAs as discussed above. In addition, anything in the files since that time has been generated by SCS and is also previously discussed.

12 REVIEW OF FEDERAL, STATE, TRIBAL, AND LOCAL GOVERNMENT DATABASES

A database search for sites listed on various federal, state, tribal, and local databases in the area around the Property was obtained from EDR (June 17, 2015). A description of each of the databases searched is included in the report, which is attached as **Appendix F**. Among the databases included in the EDR report are NPL (federal, tribal, and state-equivalent), proposed and delisted NPL, CORRACTS (RCRA facilities subject to corrective actions), hazardous waste sites identified for investigation or remediation (CERCLIS, State CERCLIS, VCP, Brownfields Calsites, etc.), LUST, sites with engineering controls, former CERCLIS (NFRAP), RCRA and state hazardous waste generators, ERNS, SWLF, USTs, and Toxic Pits.

Review of these records satisfies all requirements as set forth in 40 CFR Section 312.26 (b) and (c) with regard to the review of federal, tribal, and state government records of databases of such government records and local government records and databases of such records pertaining to both the subject property and the nearby or adjoining properties. Further, the search distances for each particular database are as specified in 40 CFR 312.26 and ASTM E1527-13.

Any known or suspected contaminated sites included on these lists within 0.25 miles of the Property are discussed in the following text. As a general rule, sites beyond 0.25 miles are not anticipated to impact a site significantly. Any sites beyond 0.25 miles with a high potential to impact the Property are also discussed. (Please note: the distances and directions listed in this report have been field verified and might not always match those in the EDR report.)

Sites such as TSD facilities, hazardous waste generators, HAZNET, FINDS, SQGs, LQGs, USTs, HIST UST, RCRA violations, and TRIS facilities with toxic chemical releases (generally in accordance with permitting requirements - into the air, water, or land as reported under SARA Title III) use or store hazardous materials and thus may pose a potential problem in the event of a spill or leak. However, unless these sites also appear in an agency list of contaminated sites,

there is no evidence of any problems at this time. Therefore, sites on these lists will not be discussed unless on or in close proximity to the Property.

Please refer to **Appendix F** for further information on these sites.

PROPERTY LISTINGS

The Property is variously identified in the EDR database report as the Vehicle Tow Yard, Long Beach City Tow Yard, City of Long Beach Towing Operations, Public Service Yard, City of Long Beach Public Works, City of Long Beach Public Service Department, City of Long Beach Public Service Yard, City of Long Beach Testing Lab, and City of Long Beach; with addresses of 901 and 929 West Anaheim and 1475, 1601 and 1725 San Francisco Avenue. In addition, 949 West Anaheim is identified below, however it is not a confirmed address of the Property.

The Property is identified on the HAZNET, Historical Cortese, Historical Auto Station, CDL, LUST, RCRA-SQG, FINDS, and UST databases as follows:

Listing	Address	Owner	Comments
A1 Hist Auto Station	949 W. Anaheim St. (This is not a confirmed address of the Property, however it may have been located on the southern-most parcel).	Sifton, A.D.	Gasoline and oil service station reported for 1931 and 1935. Because this area has been investigated, as previously discussed, this historical auto station is considered an HREC.
A10 Hist Cortese	901 Anaheim	Vehicle Tow Yard	No information on the nature of the listing, however, the Cortese list consists predominantly leaking UST sites. See below.

Listing	Address	Owner	Comments
A6/A8/A11 LUST	901 W. Anaheim St.	Vehicle Tow Yard/ Long Beach City Tow Yard	This site is listed as a Leaking UST (LUST) case (Global ID T0603701960) at this address on the Property. The UST was found after the City of Long Beach purchased the land. A gasoline release was discovered during tank removal in August 1995. This information corresponds to the 550-gallon UST previously discussed. The case status is listed as completed-case closed. As previously discussed, an NFA letter is provided in Appendix E and due to residual contamination remaining in place, this former UST is considered a CREC.
A3/A12 HAZNET,CDL	901 West Anaheim	City of Long Beach Towing Operations	<u>HAZNET</u> This listing is related to the removal of the following wastes: organic solids, oil-containing waste, and aqueous solution with organic residues. <u>CDL</u> This listing indicates and illegal drug lab was operated or drug lab equipment/materials stored or found in a vehicle. Any structures where this lab may have been present are no longer on the Property.
A5 UST	929 West Anaheim (This address corresponds to the same parcel as 901 Anaheim and is likely related)	City of Long Beach	<u>UST</u> No information on the UST given.

Listing	Address	Owner	Comments
A13 RCRIS-SQG, FINDS	1475 San Francisco	City of Long Beach Testing Lab	Operations at this location generated small quantities of hazardous waste. No related violations were identified.
A9 RCRIS-SQG, FINDS	1601 San Francisco	City of Long Beach Public Service Department	Operations at this location generated small quantities of hazardous waste. No related violations were identified.
A7 Hist Cortese, LUST	1725 San Francisco (physically not part of the Property, however LUST case #1 refers to the USTs removed from APN 7271-008- 013 [1445 San Francisco Ave] as previously discussed. It is not likely that the motor oil case (LUST 2) is associated with the Property)	Public Service Yard	<u>LUST 1</u> Diesel affected soil only. Case is listed as completed-case closed by the RWQCB (Global ID T0603701971). As previously discussed, an NFA letter is provided in Appendix E and these former USTs are considered HRECs. <u>LUST 2</u> Leak of motor oil discovered 8/4/95 after piping failure. Case is listed as preliminary site assessment underway. No closure reported. This case does not appear to be associated with the Property.
A2 UST	1725 San Francisco (physically not part of the Property)	City of Long Beach Public Service Yard	<u>UST</u> Dual walled UST listed for this address. This UST does not appear to be located on part of the Property.

All of the Historical Cortese, UST, and LUST database listings appear to relate to USTs that have been previously discussed in this report and are considered HRECs.

The HAZNET database indicated that various types of materials have been removed under manifest at 901 West Anaheim and 1601 San Francisco Avenue. These wastes were likely the result of the various vehicle maintenance operations, construction activities, painting operations, UST removals, etc. that have taken place on the Property during years of operation by the City of Long Beach.

The RCRA-SQG database, which is a list of sites that generate, transport, store, treat and/or dispose of small quantities of hazardous waste, did not provide any information pertaining to the nature of the materials generated on the Property; however, the entries indicated that no violations were found.

The FINDS database, which lists other databases that a site is included in, indicated that the Property is listed on the National Emissions Inventory and the Resource Conservation and Recovery Act Information System databases. This listing is likely due to historic operations such as the paint booth, fuel station, etc.

ADJACENT SITE LISTINGS

The solid waste information system database (SWF/LF) identifies the Public Service Transfer Station #1 facility as located on the east side of 710 HWY-between Anaheim ST./P.C.H.

The SWF/LF listing is related to the limited-volume transfer station operations for green materials. Available information in the EDR database report indicated the owner is the City of Long Beach Public Service Bureau with an address of 1601 San Francisco Avenue (former address of this department). The SWIS number is 19-AA-1047, and available information from the SWIS database indicates this facility is across the LA River. It should be noted that a previous SWF/LF listing was identified during the previous Phase I ESAs for a facility at 1601 San Francisco and was related to the limited-volume transfer station operations; green materials, mixed municipal wastes, etc. If either of these listings were associated with the Property, they are considered a *de minimus condition* since no waste material was permanently stored at this facility.

The adjacent Food Bank site at 1444 San Francisco is listed as a LUST site Global ID T0603701935, the site was closed in 1996 by the RWQCB. In addition, several other listings for facilities adjacent to the Property were noted for the UST, Hist Auto Station, RCRQ-SQG, PADs, and FINDs databases. None of these facilities were observed to have associated leaks or violations.

OTHER DATABASE SITES

The EDR report provides a summary table of regulatory database sites within specified distances of the Property, including: 1. standard environmental records, 2. additional environmental records, and 3. high risk historical records. This summary table is provided beginning on page 4 of the EDR report (**Appendix F**) and a summary of which is provided below for the sites within a one-mile radius of the Property. Some sites may be listed on more than one database and some sites may be listed more than once within the same database.

Database	Number of Sites (NR = Not Reported)		
	0 – 1/4 miles	1/4 – 1/2 miles	1/2 - 1 mile
US EPA National Priority List (NPL)	0	0	0

Database	Number of Sites (NR = Not Reported)		
	0 – 1/4 miles	1/4 – 1/2 miles	1/2 - 1 mile
US EPA CERCLIS (sites under review for inclusion of the NPL)	1	0	NR
US EPA RCRA Corrective Actions (CORRACTS)	0	0	1
US EPA Hazardous Waste Generators	19	NR	NR
California Superfund (SPL)	0	0	0
California equivalent CERCLIS (EnviroStor)	1	1	13
California Leaking Underground Storage Tanks (LUST)	12	24	NR
California Solid Waste & Landfill Facilities (SWLF)	1	0	NR
California Registered Underground Storage Tanks (UST)	58	NR	NR
California State Spills List (SLIC)	7	5	NR

According to the EDR database, numerous sites within 0.25 miles of the Property have had releases of substances including hydrocarbons and volatile organic compounds, and groundwater in the area has been impacted. Based on this information, it is possible that impacted groundwater from these sites has migrated beneath the Property.

Unmappable or Orphan Sites

A total of 26 unmappable sites were identified in the EDR Report. Unmappable sites cannot be plotted by EDR due to inaccurate or incomplete addresses. Based on review of the provided data, including the estimated locations of the unmappable sites in relation to the Property, it appears unlikely that the unmappable sites have adversely affected the environmental condition of the Property.

LANDFILLS

A review of the Major Waste Systems Map (June 1972, revised August 1976) was conducted to locate any landfills or transfer stations within a one-mile radius of the Property. No landfills or transfer stations were observed to be within 0.5 mile of the Property according to the Major Waste Systems Map.

According to the Solid Waste Information System database provided by EDR, one active transfer station (Public Service Transfer Station #1) is located near the Property (page 99 of EDR report 02881976.2r). According to EDR, this facility is located east of the 710 Freeway between Anaheim Street and Pacific Coast Highway. However, the available information indicates the City of Long Beach Department of Public Works operates this facility and the address is 1601 San Francisco Avenue. This is likely the same listing discussed above, which is related to the limited volume transfer operation that accepts green materials (e.g., yard wastes, plant cuttings, etc.)

OIL AND GAS WELLS

Available oil and gas well maps from the California Department of Conservation, Division of Oil, Gas and Geothermal Resources (DOGGR) were reviewed to identify oil and gas wells on the Property or in the nearby area. According to the Digital Online Mapping System (DOMS 2.1), the Property is located within the Wilmington Oil Field, however now wells are in the general vicinity of the Property. Numerous oil wells are present approximately 300 feet northwest and southwest of the Property across the Los Angeles River Flood Control Channel. Since these wells are on the opposite side of the river, no significant environmental impact to the Property is anticipated from oil and gas exploration or production.

NATIONAL PIPELINE MAPPING SYSTEM (NPMS)

SCS reviewed the NPMS website (<https://www.npms.phmsa.dot.gov/PublicViewer/>) for the Property and surrounding area to identify any hazardous materials pipelines. The NPMS is a geographic information system (GIS) created by the U.S. Department of Transportation, Pipeline and Hazardous Materials Safety Administration (PHMSA), and Office of Pipeline Safety (OPS) in cooperation with other federal and state governmental agencies and the pipeline industry. The NPMS consists of geospatial data, attribute data, public contact information, and metadata pertaining to the interstate and intrastate hazardous liquid trunklines and hazardous liquid low-stress lines as well as gas transmission pipelines, liquefied natural gas (LNG) plants, and hazardous liquid breakout tanks (tanks that receive and store liquids transported by pipeline) jurisdictional to PHMSA. The nominal accuracy of geospatial data in the NPMS is +/-500 feet. The NPMS does not contain information on interconnects, pump and compressor stations, valves, direction of flow, capacity, throughput, or operating pressure. In addition, distribution and gathering pipelines are not included in the NPMS.

The NPMS is built from data submitted by pipeline, LNG plant, and breakout tank facility operators. Since 2002, transmission pipeline and LNG plant facility operators are required to submit mapping information to the NPMS and to update their submissions annually. Breakout tank operators are able to submit data to the NPMS on a voluntary basis.

Based on review of the NPMS website, the closest hazardous materials pipelines are across the Los Angeles River Channel approximately 700 feet to the west of the Property.

13 USER PROVIDED INFORMATION

A User Questionnaire was not returned to SCS for inclusion in the report. Alere Property Group, LLC provided no information beyond what is discussed above.

TITLE RECORDS

No title report was provided to SCS for review.

ENVIRONMENTAL LIENS OR ACTIVITY AND USE LIMITATIONS

No information regarding environmental liens or activity and use limitations was provided to SCS. No environmental liens or activity/use limitations were identified by SCS during the course of this assessment.

SPECIALIZED KNOWLEDGE

No specialized knowledge regarding the Property was provided to SCS by the User.

VALUATION REDUCTION FOR ENVIRONMENTAL ISSUES

No property valuation information was provided to SCS.

14 DEGREE OF OBVIOUSNESS OF THE PRESENCE/LIKELY PRESENCE OF CONTAMINATION ON THE PROPERTY

The Property was previously utilized for various operations performed by Long Beach public service departments (e.g. traffic management, street maintenance, and landscaping). Numerous potential environmental concerns were identified on the southern portion of the Property (excluding the noncontiguous northern parcel), including fill material containing debris from the 1933 earthquake and petroleum-related impacts to soil and/or groundwater from underground fuel storage tanks. Further, historic operations on these parcels have included vehicle and equipment maintenance, painting shop, chemical laboratory, landscaping departments, machine shop, etc. The locations and nature of these operations appeared to be transitory and it was possible that waste oils, various pesticides, oils, paint and solvents were spilled or leaked over the 70 plus years of operation.

However, since the initial Phase I ESA in 2005, numerous phases of investigation and remediation have been conducted including a site-wide Phase II investigation of soil and soil vapor, groundwater investigations, UST and clarifier removals, a limited Phase II investigation and geophysical survey for a potential former service station, a confirmation sampling report for two parcels with limited fill debris and remediation and closure report for two parcels with the bulk of the fill debris. As a result of these activities, six NFA letters have been issued in association with the Property and the previous RECs identified during the 2005 and 2010 Phase I ESAs are considered HRECs or CRECs, as further discussed in Section 16 of this report.

1.5 DATA GAPS

A data gap represents an inability on the part of the environmental professional to obtain information required by the standards and practices of 40 CFR 312 to fully identify conditions indicative of releases or threatened releases of hazardous substances on, at, in, or to the Property.

The following data gaps were identified:

- The User Questionnaire was not returned to SCS. Given all the other information gathered during the course of this and previous investigations, this data gap is not considered significant.

1.6 FINDINGS AND OPINIONS

Based on the scope of work performed, SCS finds the following:

- The Property consists of 10.74 acres of outdoor storage yard and is comprised of approximately five and a half parcels in Long Beach, California formerly associated with the Former Long Beach Public Service Yard (the “Former Service Yard”). Four and a half of these parcels are on contiguous city blocks and also include the intervening street rights-of-way (14th, Cowles, 15th, and 16th Streets) which were incorporated into the Former Service Yard and the current various storage yards. Numerous addresses have currently or historically been associated with the Property and it is important to note that operations on this portion of the Property were sometimes included under the address of 1725 San Francisco Avenue, although this address is physically north of the Property and still occupied by the City of Long Beach Public Service Yard.

The northernmost parcel (940 Pacific Coast Highway, is located on the north side of the adjacent city block, approximately 700 feet north of the other parcels.

- The assigned Los Angeles County Tax Assessor’s Parcel Numbers have varied in recent years and currently are (from north to south) 7271-017-015 (the northernmost noncontiguous parcel), 7271-012-020, 7271-012-023, eastern portion of 7271-011-008, 7271-008-013, and the most southerly parcel does not currently have an associated APN (may be due to recent or ongoing parcel change activity). In addition, APNs 7271-012-020, 7271-012-023, 7271-011-008 (eastern portion), and 7271-008-013 are currently being re-parceled. Certificate of Compliance No. 1411-08A (for APNs 7271-012-020 and 7271-012-023) and No. 1411-08C (for 7271-011-008 [eastern portion] and 7271-008-013) have been filed in official records of the Recorder’s Office in Los Angeles County.
- The Property is currently occupied by three storage yards as follows (**Figure 3**): (1) The northerly noncontiguous parcel (APN 7271-017-015) is occupied by Ocean Blue Environmental Services, Inc. This parcel is approximately 0.34 acres and is used as a surplus storage yard for Ocean Blue’s trailers and materials. (2) The northern portion of the contiguous area of the Property (APNs 7271-012-020 and 7271-012-023) is occupied by BakerCorp as a storage yard (the “Baker Yard”). The Baker Yard is

comprised of approximately 4.01 acres and is used to store their empty tanks. (3) The southern portion of the contiguous area of the Property (APNs 7271-011-008 [eastern portion only], 7271-008-013, and the most southerly parcel, which does not currently have an associated APN, is occupied by Petros Tubular Services, Inc. (Petros) as a storage yard (the “Petros Yard”). The Petros yard is comprised of approximately 6.39 acres and is used to store pipes and fittings associated with the oil and gas industry.

- Prior to use as the above-mentioned storage yards, the Property was predominantly used by the City of Long Beach for various operations performed by Long Beach public service departments (e.g. traffic management, street maintenance, and landscaping). SCS previously conducted a Phase I Assessment (SCS, February 22, 2005) for the City of Long Beach, the findings of which (detailed in Section 11 of this report) concluded that numerous RECs were identified on the southern portion of the Property (excluding the noncontiguous northern parcel), including a carwash, two clarifiers, paint spray booth, chemical cabinet, former fueling station, fill material containing debris from the 1933 earthquake and petroleum-related impacts to soil and/or groundwater from underground fuel storage tanks. Further, historic operations on these parcels have included vehicle and equipment maintenance, painting shop, chemical laboratory, landscaping departments, machine shop, etc. The locations and nature of these operations appeared to be transitory, and it was determined possible that waste oils, various pesticides, oils, paint and solvents were spilled or leaked over the 70 plus years of operation.

However, since the initial Phase I ESA in 2005, numerous phases of investigation and remediation have been conducted to investigate the previously identified recognized environmental conditions (RECs), the statuses of which can be summarized as follows:

- A previous Phase II investigation (SCS, August 2, 2005), was conducted to address concerns identified in the 2005 Phase I ESA. Based on the results of this investigation, the previously identified hazardous materials storage areas, previous use of solvents, and former fueling station were considered historical recognized environmental conditions (HRECs).
- A 1,000-gallon unused UST was located on the western portion of the 16th Street right-of-way just south of APN 7271-012-020 (**Figure 4a**). This UST was originally meant to contain solvent/kerosene, was installed on July 19, 1988, and removed in January 1999. Regulatory closure was received from the Joint Powers Agency (currently the Long Beach Department of Health and Human Services [DHHS]) in the “No Further Action (NFA)” Letter dated March 25, 1999 (**Appendix E**), which also provided closure for three (3) other USTs associated with the Long Beach Public Works Yard at 1725 San Francisco (not associated with the Property).
- A 550-gallon gasoline UST was located in the 14th Street right-of-way just north of APN 7271-007-903 (**Figure 4b**). The UST was removed on August 30, 1995. A groundwater investigation and subsequent monitoring events were conducted. The RWQCB issued an NFA letter for the 550-gallon UST at the 14th Street right-

of-way dated July 6, 2011 (**Appendix E**). The associated groundwater monitoring wells were subsequently abandoned on July 22, 2011. Because the RWQCB closed the case allowing residual contamination to remain in place, this former UST is considered a controlled recognized environmental condition (CREC). The RWQCB did not make any restrictions regarding the UST; however appropriate measures should be taken if digging is to occur in the area.

- Two 12,000-gallon USTs were located at the northeast corner of APN 7271-008-013 at 1445 San Francisco Avenue (**Figure 4b**). The tanks (one gasoline and one diesel), installed November 1998 were removed on July 2, 2008. As a result of SCS's follow-up regarding the two 12,000-gallon USTs removed in 2008, the RWQCB issued an NFA letter dated July 3, 2012. These two former USTs constitute an HREC with regards to the Property.
- A Phase II Investigation (conducted in November 2010) and geophysical survey (conducted in July 2012) were performed on the southern portion of former APN 7172-007-903 (no current APN assigned; **Figure 4b**) for the historical gas station located at 949 W. Anaheim, which is not a confirmed address of the Property, but was potentially located in this area. The November 2010 and July 2012 investigations of the southern portion of the Property found no obvious signs of former USTs or associated fuel-impacts indicative of a release associated with former USTs. As a result, the potential of a former service station at 949 W. Anaheim is considered to be an HREC.
- In April 2012, SCS inspected two suspect wells identified at 1601 San Francisco Avenue. The inspection, summarized in SCS' letter dated July 18, 2012, determined the wells to be 6-inch steel casings (the use of which was unknown), however they were determined not to be groundwater wells and therefore the well boxes and steel casings are determined to be a *de minimus condition*.
- Since the bulk of the fill soil (presumed 1933 earthquake debris) was anticipated on two parcels in the center of the contiguous portion of the Property (APNs 7271-011-008 and 7271-008-013) a Remedial Action Plan (SCS, March 2012, Revised May 2014) was prepared for this area. Very little fill soil existed on northerly and southerly portion of the contiguous portion of the Property (APN 7271-012-023 and previously identified APN 7271-007-005) and in order to expedite obtaining "no further action" letters for these parcels in anticipation of their eminent lease, a separate investigation under DHHS oversight was conducted. The results of this investigation (SCS, March 2, 2012) concluded that no evidence of significant impacts from lead or other metals associated with fill soil was identified. The DHHS subsequently issued NFA letters for these parcels dated July 11, 2012 (**Appendix E**). Therefore, the presence of fill soils on these two parcels is considered to be an HREC.
- In January 2013, clarifiers associated with former car wash (located within the fill area) and paint rinse areas were removed. Clarifier abandonment activities were conducted with oversight provided by Long Beach Fire Department and described in SCS's report, *Clarifier Removal Report, Former Long Beach Public Service*

Yard dated February 2013. Approval of the clarifier closure was pending the remediation and an NFA has been requested from the DHHS. The clarifiers are considered to be an HREC, however, it is recommended that the follow-up with the DHHS be conducted until the NFA letter is issued.

- APNs 7271-011-008 and 7271-008-013, which held the bulk of the suspected earthquake debris, were remediated between August 2014 and February 2015. As part of the remedial excavation activities approximately 44,000 cubic yards of impacted material was excavated from the Property and placed on an area adjacent to the Property (western two-thirds of APN 7271-011-008) known as “the Long Beach Parcel” (which is being re-purchased and will be maintained by the City of Long Beach) and is not a part of the Property.

Because debris extended beyond the Property boundaries, the impacted material was excavated to the extent possible without extending past the Property boundaries (i.e. into the river path). Therefore, impacted material will remain below the surface (and unexposed) in several other areas of the Property including: potentially beneath the building that remains on the Property, along the western property line, and in an area where the Southern California Edison pole and support are located. The limited impacted areas that remain are depicted on **Figure 5**; if any digging were to occur in these areas, appropriate measures should be taken. Approximately 12,614 cubic yards of clean soil was imported from two construction sites for backfill of the remedial excavation area on the Property. The excavation was backfilled, graded, and compacted prior to being asphalt paved for use by Petros. A total of 78 confirmation samples (S1 through S78) were collected on a grid spacing of approximately every 50 feet. Concentrations of lead in the 78 samples ranged from non-detect (less than 2.5 mg/kg) to 102 mg/kg, all well below the cleanup goal of 320 mg/kg. The DHHS issued an NFA letter dated April 27, 2015 (**Appendix E**). The presence of residual fill debris with elevated lead concentrations in certain areas of the Property is considered a CREC.

- Regulatory database information identified the Property on the HAZNET, Historical Cortese, Historical Auto Station, CDL, LUST, RCRA-SQG, FINDS, and UST databases. The Cortese, LUST and UST database listings appear to relate to the historic UST operations, removals, and cleanups. Other EDR report information indicated that wastes such as organic solids, oil-containing wastes, aqueous solutions with organic residues, asbestos containing waste, unspecified solvent mixture waste, and waste oil and mixed oil, were used on the Property. As a result of the previous investigations and/or current use of the Property, the listings of the Property on the associated databases are considered to be CRECs or HRECs.
- Observations during the site inspection indicate that adjacent properties are currently occupied by numerous commercial/industrial operators. No obvious RECs for the Property were identified on these adjacent sites. However, regulatory database information also indicates that numerous sites within 0.25 miles of the Property have had releases of substances including hydrocarbons and volatile organic compounds, and groundwater in the area has been impacted. Based on this information, it is

possible that impacted groundwater from these sites has migrated beneath the Property.

In summary, SCS has performed a Phase I Environmental Site Assessment of the Former Long Beach Public Service Yard consisting of five and a half parcels located at Anaheim Street and San Francisco Avenue, in Long Beach, California, in conformance with the scope and limitations of 40 CFR 312 and ASTM E1527-13. Any exceptions to, or deletions from, this practice are described in Section 5 of this report.

In the opinion of the Environmental Professionals, this assessment has revealed no evidence of conditions indicative of releases or threatened releases of hazardous substances other than the HRECs and CRECs as discussed above. Six NFA letters have been issued in association with the Property and one is currently pending in association with the former clarifiers. Further investigation is not recommended.

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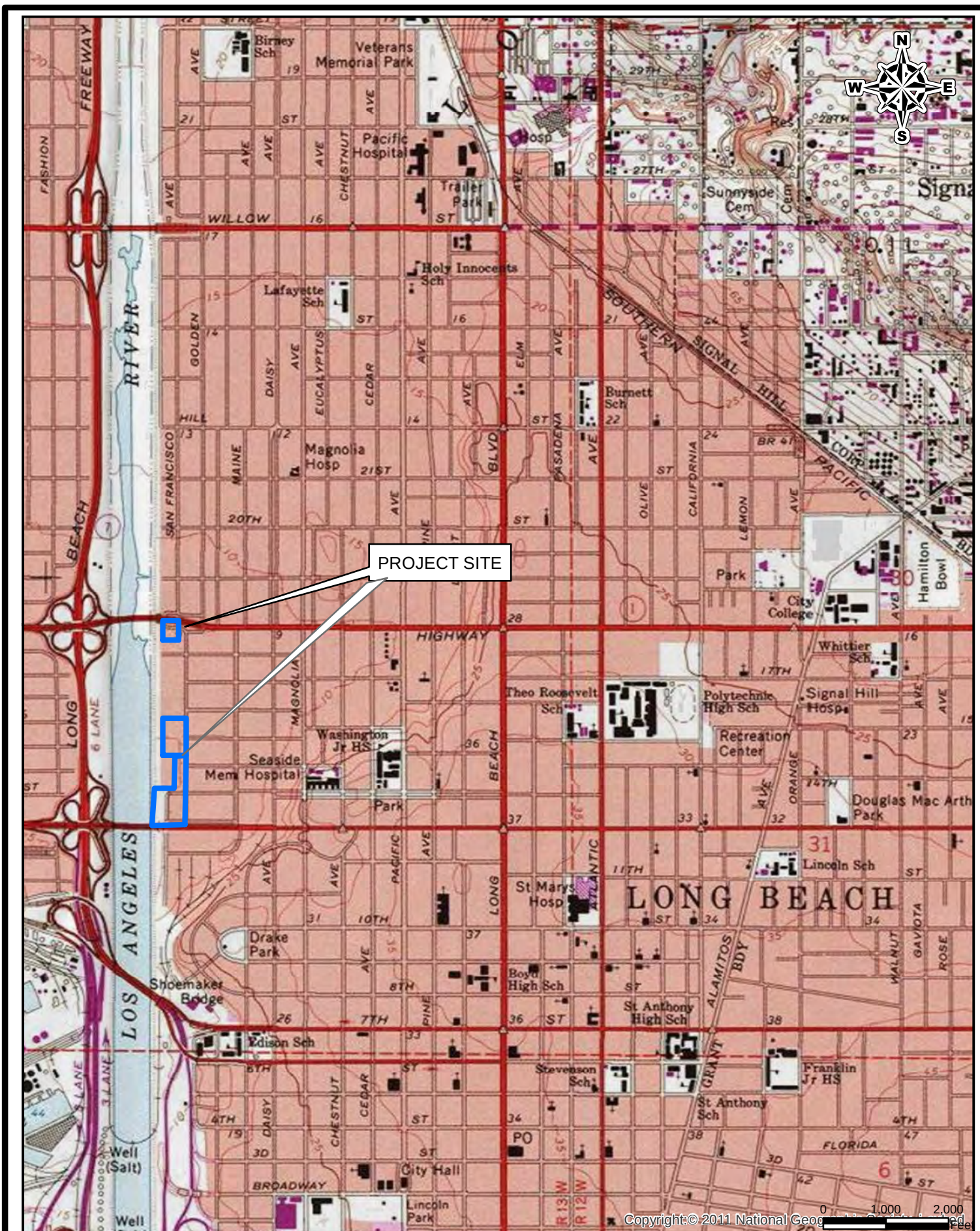
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18 GLOSSARY/DEFINITIONS

<u>AAI</u>	-- All Appropriate Inquiry
<u>AUL</u>	-- Activity and Use Limitations
<u>BTEX</u>	-- benzene, toluene, ethylbenzene, and total xylenes
<u>CERCLA</u>	-- Comprehensive, Environmental Response, Compensation, and Liability Act
<u>CERCLIS</u>	-- Comprehensive Environmental Response, Compensation, and Liability Information System
<u>CFR</u>	-- Code of Federal Regulations
<u>CORRACTS</u>	-- Corrective Action Against Responsible Parties at a RCRA site
<u>CREC</u>	-- A recognized environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (e.g., property use restrictions, AULs, or institutional or engineering controls).
<u>DOGGR</u>	-- Department of Oil, Gas, and Geothermal Resources
<u>De Minimis Condition</u>	-- A condition that generally does not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. Conditions determined to be <i>de minimis conditions</i> are not RECs or CRECs.
<u>DTSC</u>	-- California EPA Department of Toxic Substances Control
<u>EDR</u>	-- Environmental Data Resources, Inc.
<u>EPA</u>	-- Environmental Protection Agency
<u>ERNS</u>	-- Emergency Response Notification System
<u>ESA</u>	-- Environmental Site Assessment
<u>FINDS</u>	-- Facility Index System
<u>HAZNET</u>	-- California EPA Hazardous Waste Facility and Manifest Data
<u>HREC</u>	-- Historical Recognized Environmental Condition: A past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls.
<u>LQG</u>	-- Large Quantity Hazardous Waste Generator
<u>LUST</u>	-- Leaking Underground Storage Tank
<u>MCL</u>	-- Maximum contaminant level
<u>MTBE</u>	-- Methyl-tert-butyl-ether
<u>NFA</u>	-- No Further Action determination
<u>NFRAP</u>	-- No Further Remedial Action Planned
<u>NPL</u>	-- National Priority List (Superfund)
<u>PAHs</u>	-- Polynuclear aromatic hydrocarbons
<u>PCBs</u>	-- Polychlorinated biphenyls
<u>PRGs</u>	-- Preliminary Remediation Goals
<u>RCRA</u>	-- Resource Conservation and Recovery Act
<u>RCRIS</u>	-- Resource Conservation and Recovery Information System

<u>RECs</u>	-- <i>Recognized environmental conditions</i> is defined by ASTM E 1527-13 as: “The presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. <i>De minimis conditions</i> are not <i>recognized environmental conditions</i> .”
<u>ROD</u>	-- Record of Decision
<u>RBSLs</u>	-- Risk-based Screening Levels
<u>RWQCB</u>	-- Regional Water Quality Control Board
<u>SARA</u>	-- Superfund Amendments and Reauthorization Act
<u>SLIC</u>	-- Spills, Leaks, Investigations, and Cleanups database
<u>SQG</u>	-- Small Quantity Hazardous Waste Generator
<u>SWIS</u>	-- Solid Waste Information System
<u>SWLF</u>	-- Solid Waste Facility/Landfills
<u>TPH</u>	-- Total Petroleum Hydrocarbons
<u>TRIS</u>	-- Toxic Release Inventory System
<u>TSD</u>	-- Treatment, Storage, and/or Disposal Facility
<u>User</u>	-- The person or persons seeking to establish the innocent landowner defense, bona fide prospective purchaser liability protection, and/or contiguous property owner liability protection pursuant to CERCLA sections 101 and 107.
<u>USGS</u>	-- United States Geologic Survey
<u>UST</u>	-- Underground Storage Tank
<u>VCP</u>	-- Voluntary Cleanup Program
<u>VOCs</u>	-- Volatile organic compounds

APPENDIX A
FIGURES 1 THROUGH 5



SCS ENGINEERS

3900 KILROY AIRPORT WAY, STE 100
LONG BEACH, CALIFORNIA 90806-6816

SITE:

**FORMER LONG BEACH PUBLIC SERVICE YARD
LONG BEACH, CA 90813**

Job No.: 01210161.11

Title: SITE LOCATION MAP

FIGURE

1



Figure 2a. Assessor's Parcel Map

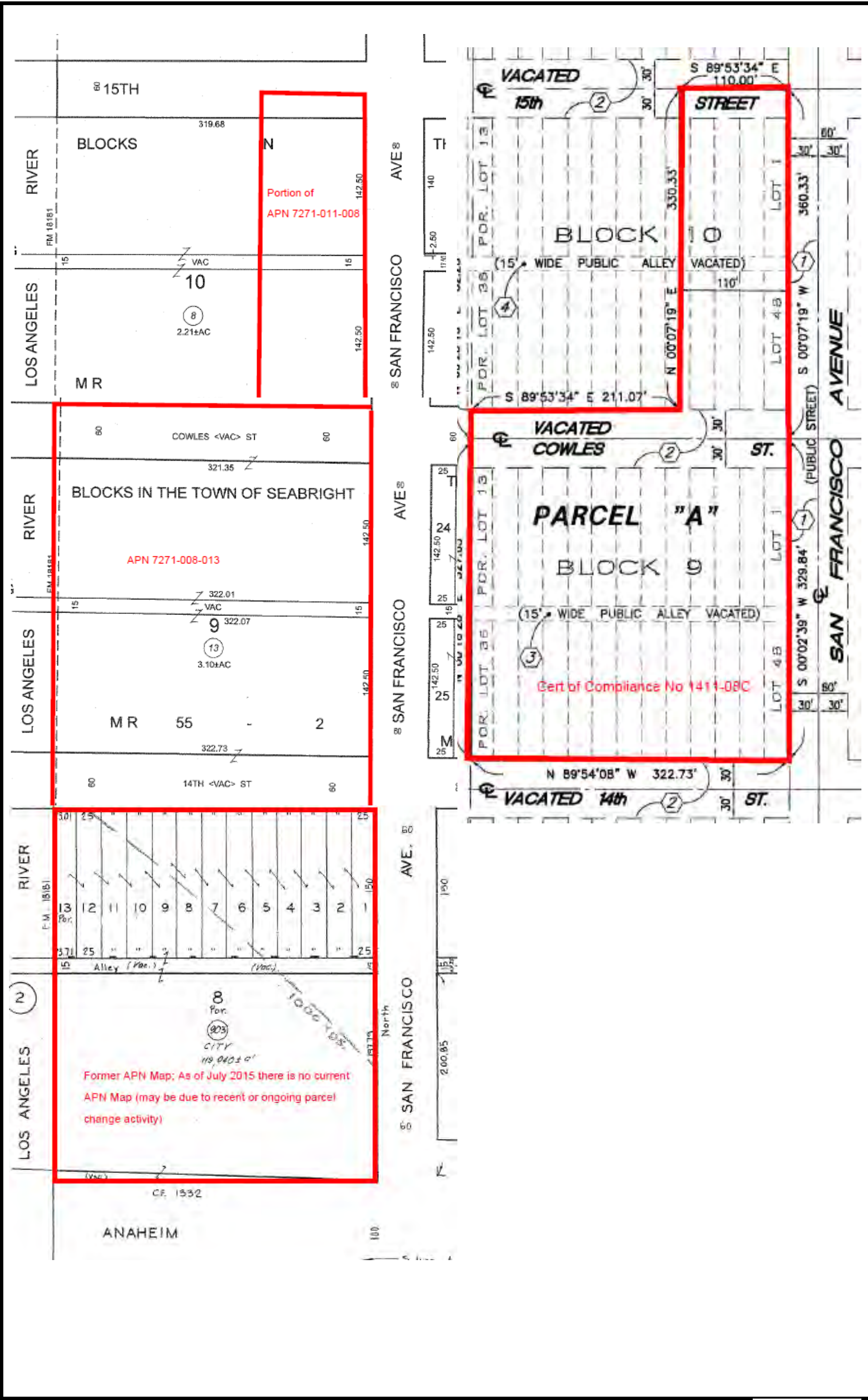


Figure 2b. Assessor's Parcel Map

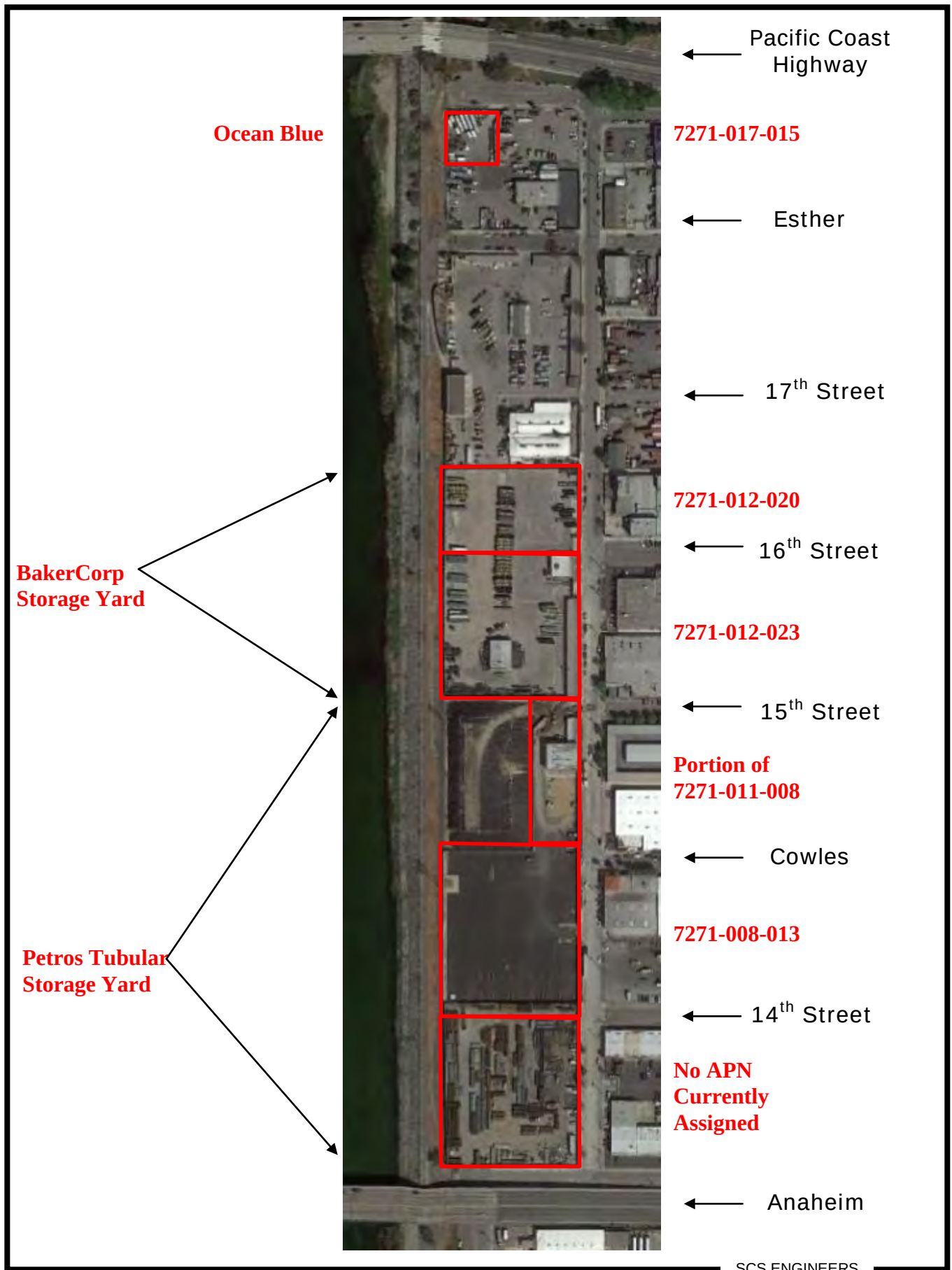


Figure 3. Aerial Photograph (dated March 2015) depicting the Property, APNs, and Current Occupants.

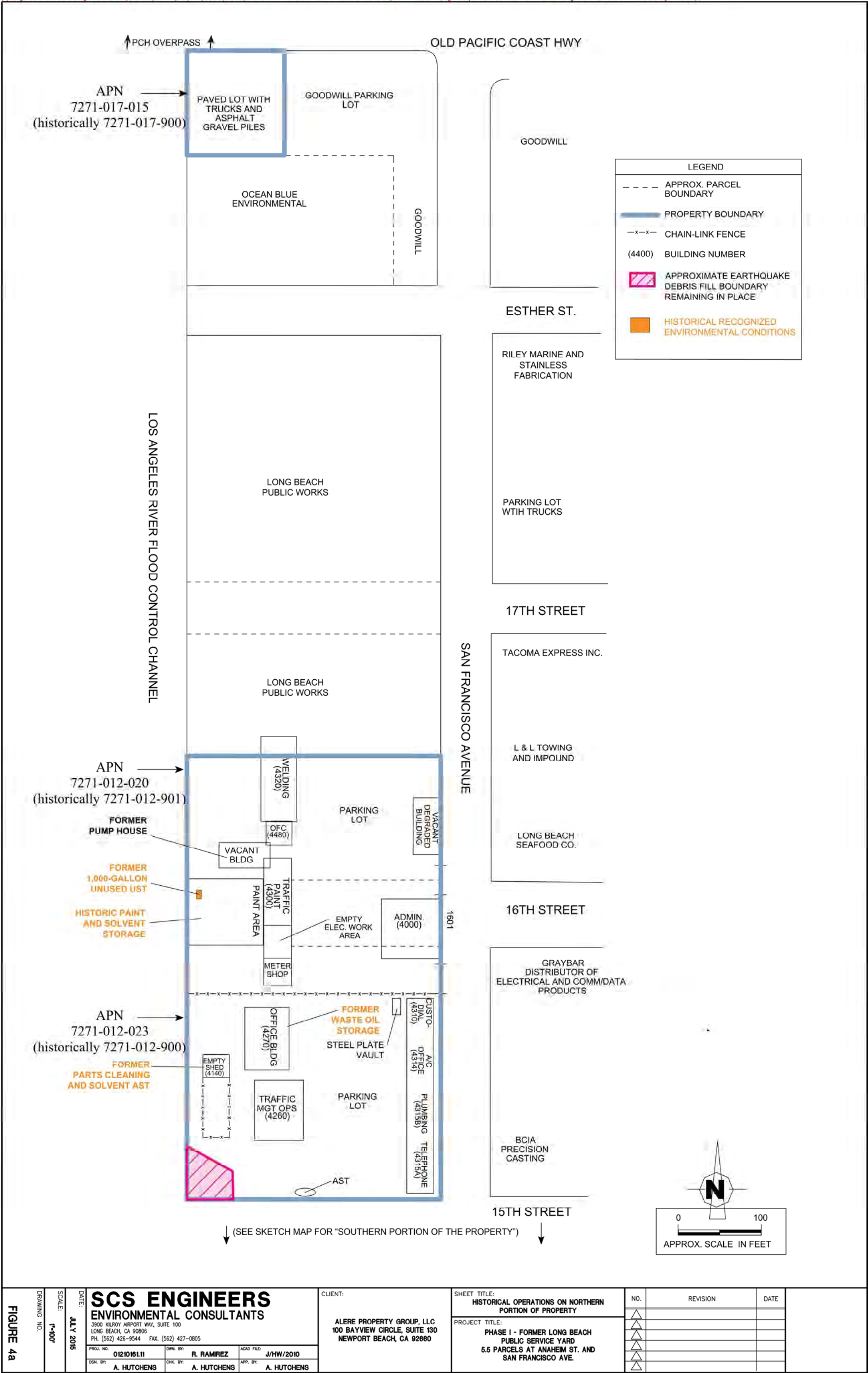


FIGURE 4a

DATE:
JULY 2016

SCALE:
1"=100'

DRAWING NO.:

SCS ENGINEERS
ENVIRONMENTAL CONSULTANTS

3900 KILROY AIRPORT WAY, SUITE 100
LONG BEACH, CA 90806
PH. (562) 426-9544 FAX. (562) 427-0805

PROJ. NO. 01210161.11

DRAWN BY: R. RAMIREZ

ACAD FILE: J/HW/2010

DSGN BY: A. HUTCHENS

CHK. BY: A. HUTCHENS

APP. BY: A. HUTCHENS

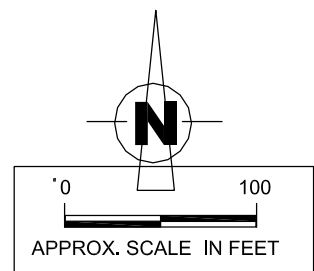
CLIENT:

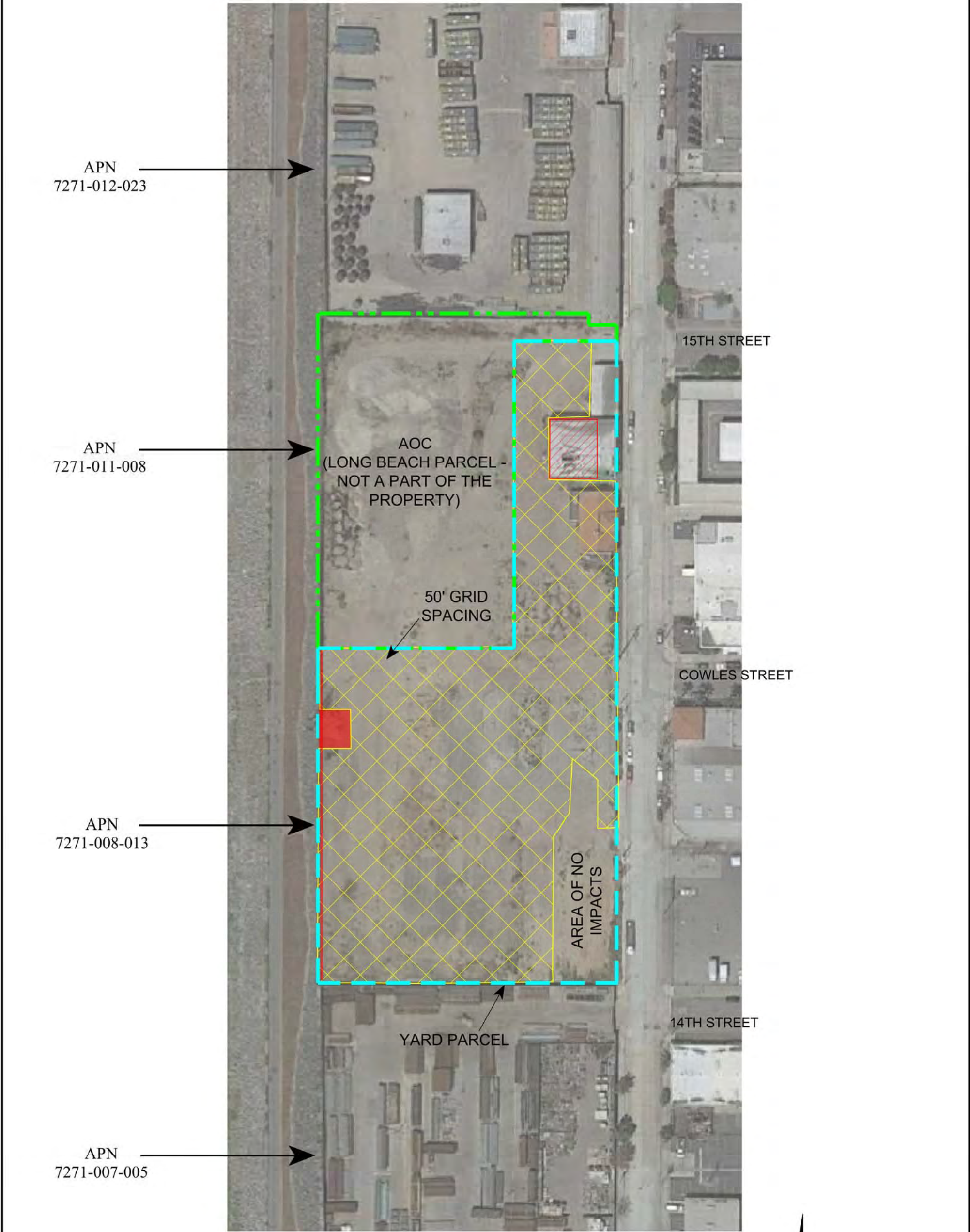
ALERE PROPERTY GROUP, LLC
100 BAYVIEW CIRCLE, SUITE 130
NEWPORT BEACH, CA 92660

SHEET TITLE:
HISTORICAL OPERATIONS ON NORTHERN PORTION OF PROPERTY

PROJECT TITLE:
PHASE I - FORMER LONG BEACH PUBLIC SERVICE YARD
5.5 PARCELS AT ANAHEIM ST. AND SAN FRANCISCO AVE.

NO.	REVISION	DATE
1		
2		
3		
4		
5		





LEGEND

- LONG BEACH PARCEL
- YARD PARCEL
- AREA OF REMEDIAL EXCAVATION
- AREA REMAINING WITH SOIL IMPACTS
- ANTICIPATED AREA REMAINING WITH SOIL IMPACTS

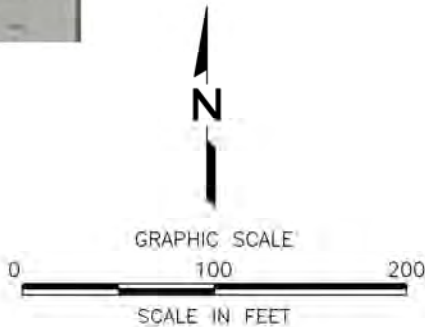
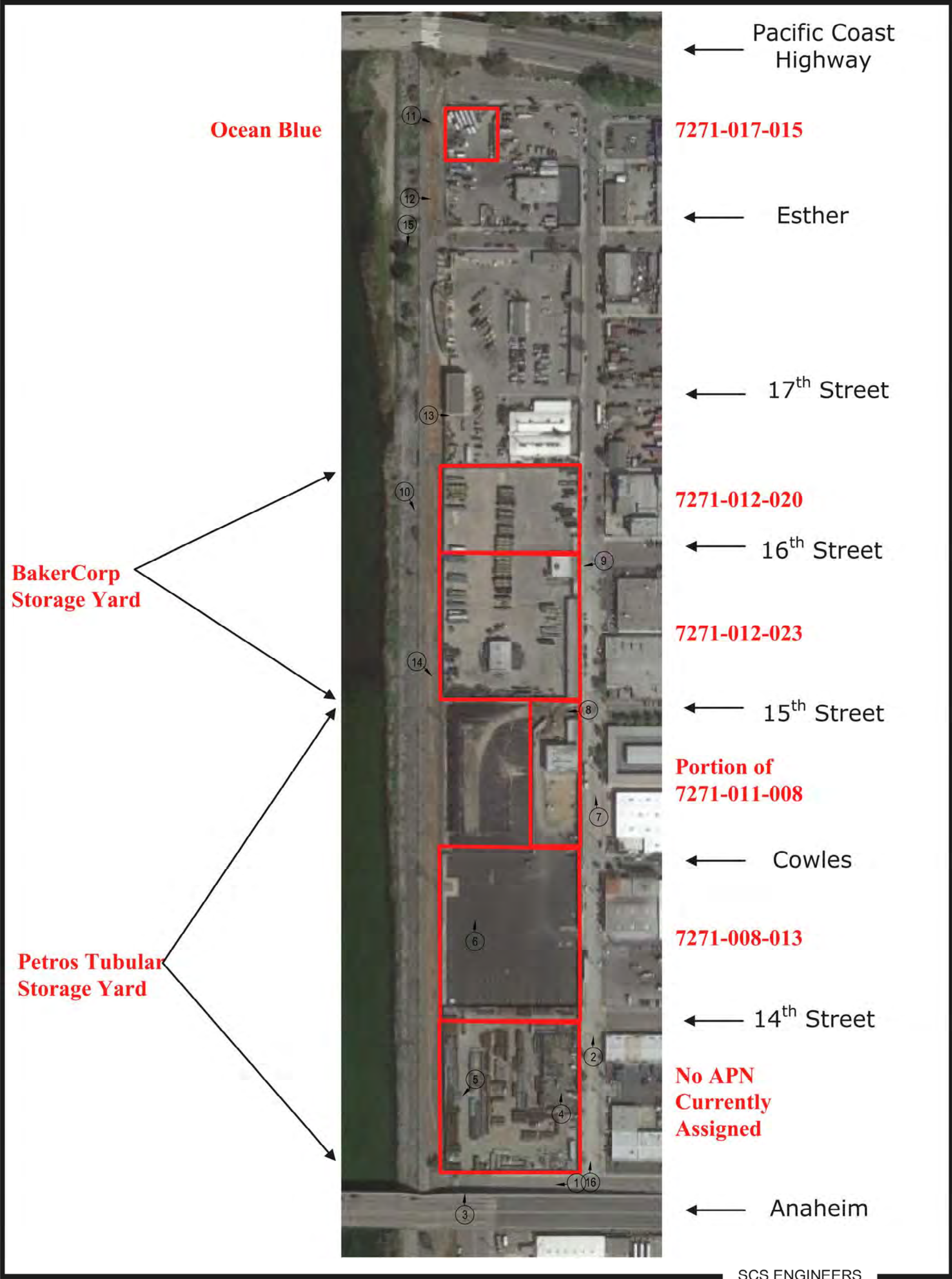


FIGURE 5	DRAWING NO.	SCALE: 1"=100'	DATE: JULY 2015	SCS ENGINEERS ENVIRONMENTAL CONSULTANTS 3900 KILROY AIRPORT WAY, SUITE 100 LONG BEACH, CA 90806 PH. (562) 426-9544 FAX. (562) 427-0805			CLIENT: ALERE PROPERTY GROUP, LLC 100 BAYVIEW CIRCLE, SUITE 130 NEWPORT BEACH, CA 92660	SHEET TITLE: MAP SHOWING REMEDIATION AREA AND AREAS THAT REMAIN WITH SOIL IMPACTS		NO. △ △ △ △ △ △ △	REVISION	DATE	
				PROJECT TITLE: FORMER LONG BEACH PUBLIC SERVICE YARD									
				PROJ. NO. 01210161.11	DRAWN BY: A. HUTCHENS	ACAD FILE: J/HW/2010/11/Figs							
				DSNL BY: A. HUTCHENS	CHK. BY: A. HUTCHENS	APP. BY: K.GREEN							

APPENDIX B

AERIAL IMAGE AND SITE PHOTOGRAPHS



SCS ENGINEERS

Appendix B	DRAWING NO.	SCALE: Not to Scale	DATE: JULY 2015	SCS ENGINEERS ENVIRONMENTAL CONSULTANTS 3900 KILROY AIRPORT WAY, SUITE 100 LONG BEACH, CA 90806 PH. (562) 426-9544 FAX. (562) 427-0805			CLIENT: ALERE PROPERTY GROUP, LLC 100 BAYVIEW CIRCLE, SUITE 130 NEWPORT BEACH, CA 92660	SHEET TITLE: AERIAL PHOTO MAP SHOWING PHOTO LOCATIONS		NO.	REVISION	DATE	
								PROJECT TITLE: PHASE I - FORMER LONG BEACH PUBLIC SERVICE YARD 5.5 PARCELS AT ANAHEIM ST. AND SAN FRANCISCO AVE.	△				
									△				
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Photo 1. View of Property looking west down West Anaheim Street.



Photo 2. Northerly view of the Eastern Property Line and San Francisco Avenue.



Photo 3. Northerly view of the southern portion of the Property occupied by Petros Tubular Services at 929 W. Anaheim Street.



Photo 4. View of cage area for connection fittings on the Petros Yard portion of the Property.



Photo 5. View of Petros Yard where De Forest Avenue formerly ran through the Property.



Photo 6. New portion of the Petros Yard recently remediated by removing refuse and lead-contaminated soil.



Photo 7. Northwesterly view of the structures on the Petros Property and San Francisco Street.



Photo 8. Access Area for the City of Long Beach Parcel (not a part of the Property) that separates the Petros and Baker portions of the Property.



Photo 9. Structure at Baker Yard portion of the Property.



Photo 10. Southeasterly overview of the Baker Yard portion of the Property.



Photo 11. View of the noncontiguous northern parcel of the Property, used as storage yard by Ocean Blue.



Photo 12. View of Ocean Blue facility adjacent to south of noncontiguous parcel of the Property.



Photo 13. View of Long Beach Public Service Yard adjacent to north of Baker Yard portion of the Property.



Photo 14. Southeasterly overview of the City of Long Beach Parcel (not a part of the Property) located between the Baker and Petros storage yard portions of the Property.



Photo 15. Southerly view of the river trail and LA River adjacent to the west of the Property.



Photo 16. Northerly view of San Francisco Avenue and sites adjacent to the east of the Property.

APPENDIX C

HISTORICAL SITE USE INFORMATION

Former Long Beach Public Service Yard

San Francisco Ave/W Anaheim St

Long Beach, CA 90813

Inquiry Number: 4328849.3

June 19, 2015

Certified Sanborn® Map Report



6 Armstrong Road, 4th Floor
Shelton, Connecticut 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

6/19/15

Site Name:

Former Long Beach Public
San Francisco Ave/W Anaheim
Long Beach, CA 90813

Client Name:

SCS Engineers
3900 Kilroy Airport Way
Long Beach, CA 90806



EDR Inquiry # 4328849.3

Contact: Kim Braun

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by SCS Engineers were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Site Name: Former Long Beach Public Service Yard
Address: San Francisco Ave/W Anaheim St
City, State, Zip: Long Beach, CA 90813
Cross Street:
P.O. # NA
Project: 01210161.11
Certification # 98AE-4B55-970B



Sanborn® Library search results
Certification # 98AE-4B55-970B

Maps Provided:

1963
1950

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ☒ Library of Congress
- ☒ University Publications of America
- ☒ EDR Private Collection

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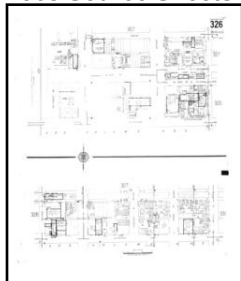
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Sanborn Sheet Thumbnails

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1963 Source Sheets

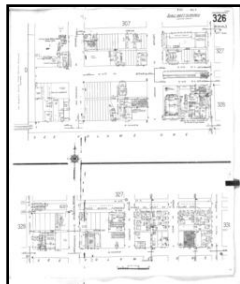


Volume 3, Sheet 326

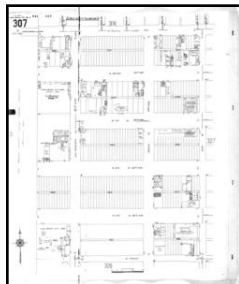
1950 Source Sheets



Volume 1, Sheet 16



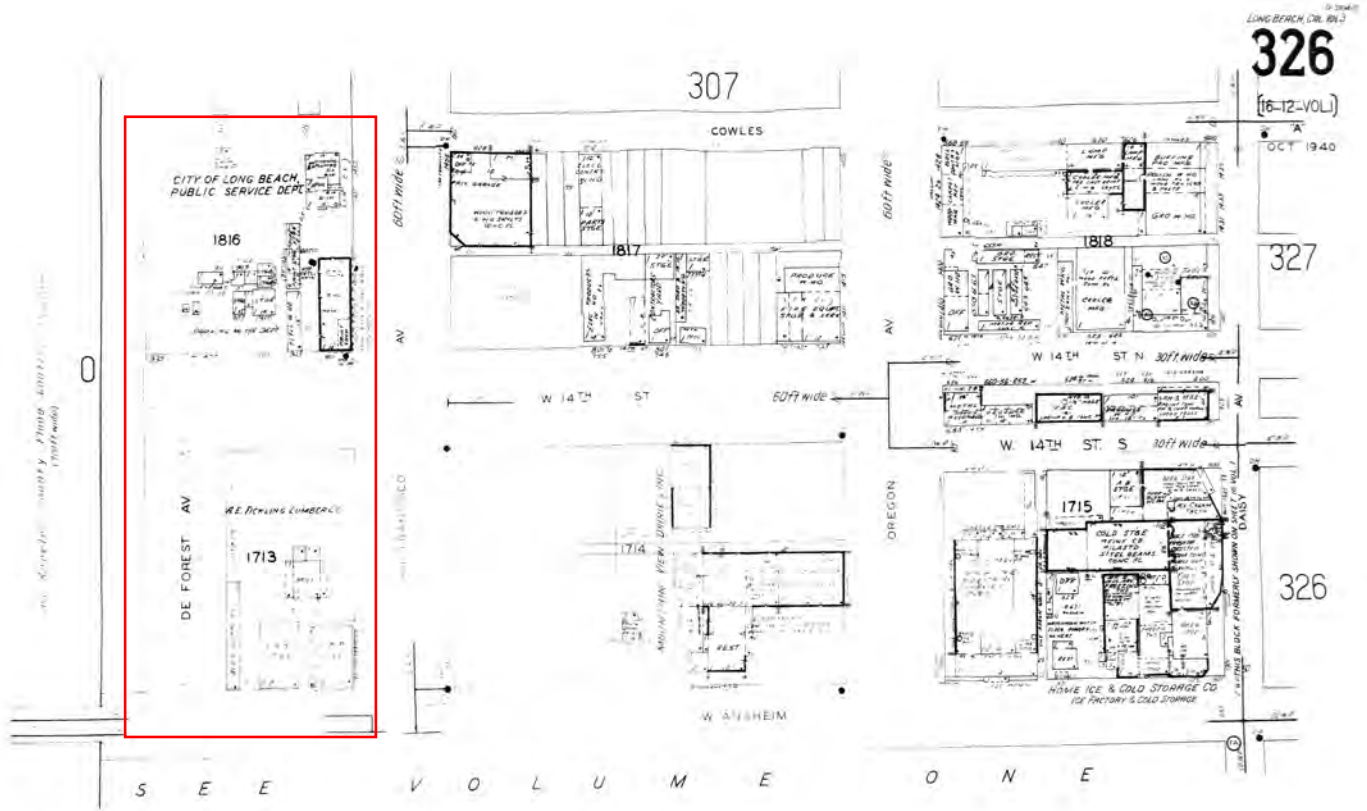
Volume 3, Sheet 326



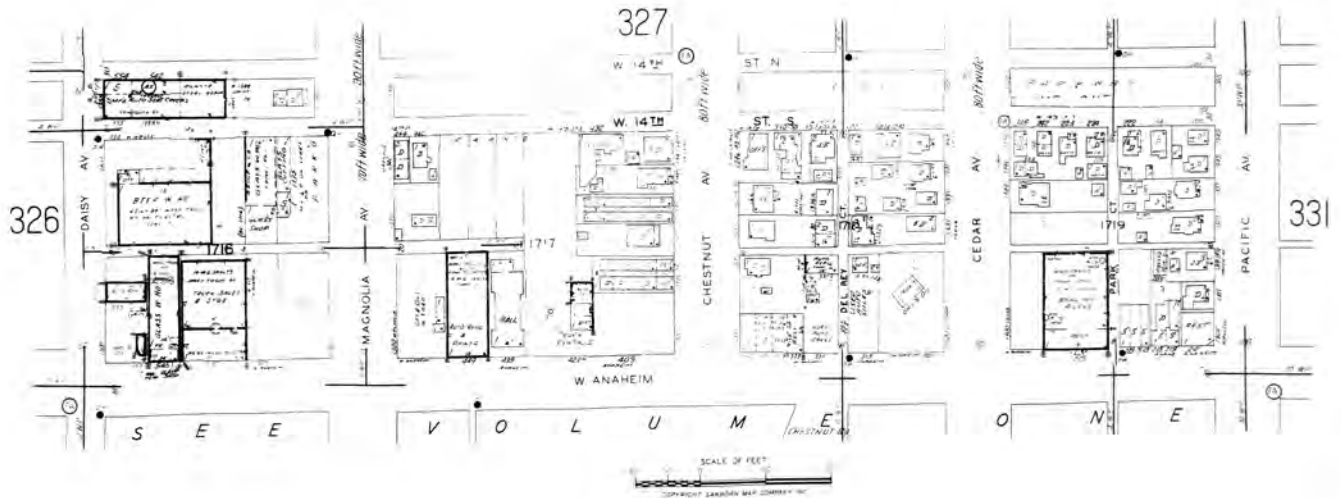
Volume 3, Sheet 307

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Certification # 98AE-4B55-970B



Site Name: Former Long Beach Public Service Yard
Address: San Francisco Ave/W Anaheim St
City, ST, ZIP: Long Beach CA 90813
Client: SCS Engineers
EDR Inquiry: 4328849.3
Order Date: 6/19/2015 2:56:00 PM
Certification #: 98AE-4B55-970B



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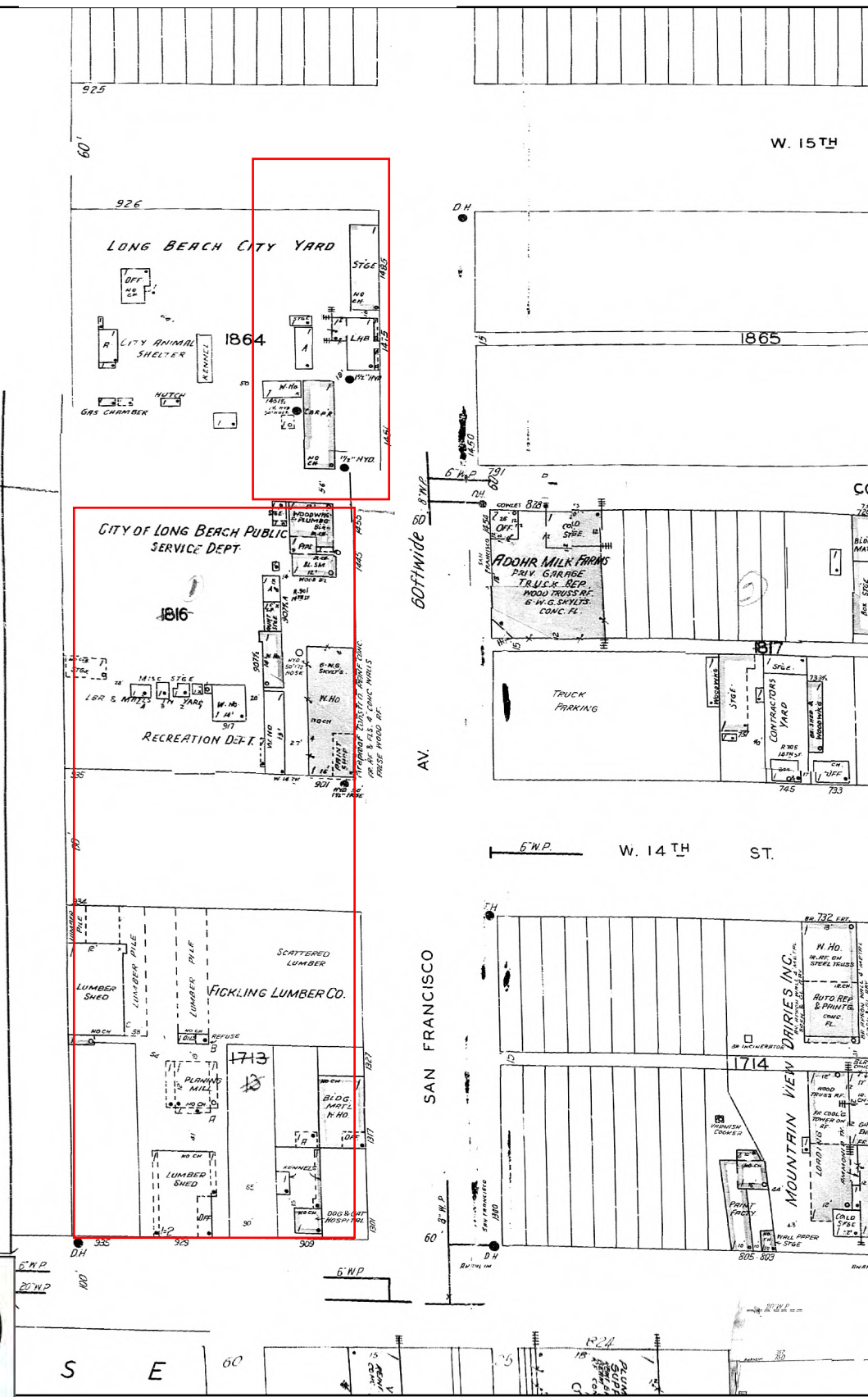
Certification # 98AE-4B55-970B

Site Name: Former Long Beach Public Service Yard
Address: San Francisco Ave/W Anaheim St
City, ST, ZIP: Long Beach CA 90813
Client: SCS Engineers
EDR Inquiry: 4328849.3
Order Date: 6/19/2015 2:56:00 PM
Certification #: 98AE-4B55-970B

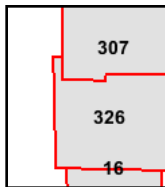
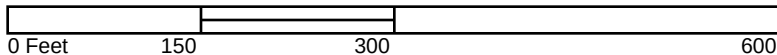
Copyright: 1950



Los Angeles County Flood Control Channel
(1200ft wide)



This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.



Volume 1, Sheet 16
Volume 3, Sheet 326
Volume 3, Sheet 307



San Francisco Ave/W Anaheim St

929 W Anaheim St

Long Beach, CA 90813

Inquiry Number: 2881976.3

October 04, 2010

Certified Sanborn® Map Report

Certified Sanborn® Map Report

9/30/10

Site Name:

San Francisco Ave/W Anaheim
929 W Anaheim St
Long Beach, CA 90813

Client Name:

SCS Engineers
3900 Kilroy Airport Way
Long Beach, CA 90806

EDR Inquiry # 2881976.3

Contact: Loran Bures



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Certified Sanborn Results:

Site Name: San Francisco Ave/W Anaheim St
Address: 929 W Anaheim St
City, State, Zip: Long Beach, CA 90813
Cross Street:
P.O. # 01-00381
Project: 01210161.00
Certification # A638-4409-A38F



Sanborn® Library search results
Certification # A638-4409-A38F

Maps Provided:

1963
1950

The Sanborn Library includes more than 1.2 million Sanborn fire insurance maps, which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ☒ Library of Congress
- ☒ University Publications of America
- ☒ EDR Private Collection

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Sanborn Sheet Thumbnails

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.



1963 Source Sheets

1950 Source Sheets



Volume 3, Sheet 306



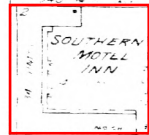
Volume 3, Sheet 307

1963 Certified Sanborn Map

LONG BEACH, CAL VOL 3

307

"A"
OCT 1942



LONG BEACH CITY YARD
(STREET REAR)

2096

GAS &
OIL IN
YARD

LONG BEACH 1984 CITY YARD

1985

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Certification #

A638-4409-A38F

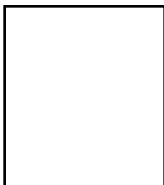
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Client: SCS Engineers
EDR Inquiry: 2881976.3
Order Date: 9/30/2010 12:10:02 PM
Certification #: A638-4409-A38F

Copyright: 1963



This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

0 Feet 150 300 600



1950 Certified Sanborn Map

Site Name: San Francisco Ave/W Anaheim St
 Address: 929 W Anaheim St
 City, ST, ZIP: Long Beach CA 90813
 Client: SCS Engineers
 EDR Inquiry: 2881976.3
 Order Date: 9/30/2010 12:10:02 PM
 Certification #: A638-4409-A38F
 Copyright: 1950



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325

A638-4409-A38F

Certification #

1950 Certified Sanborn Map

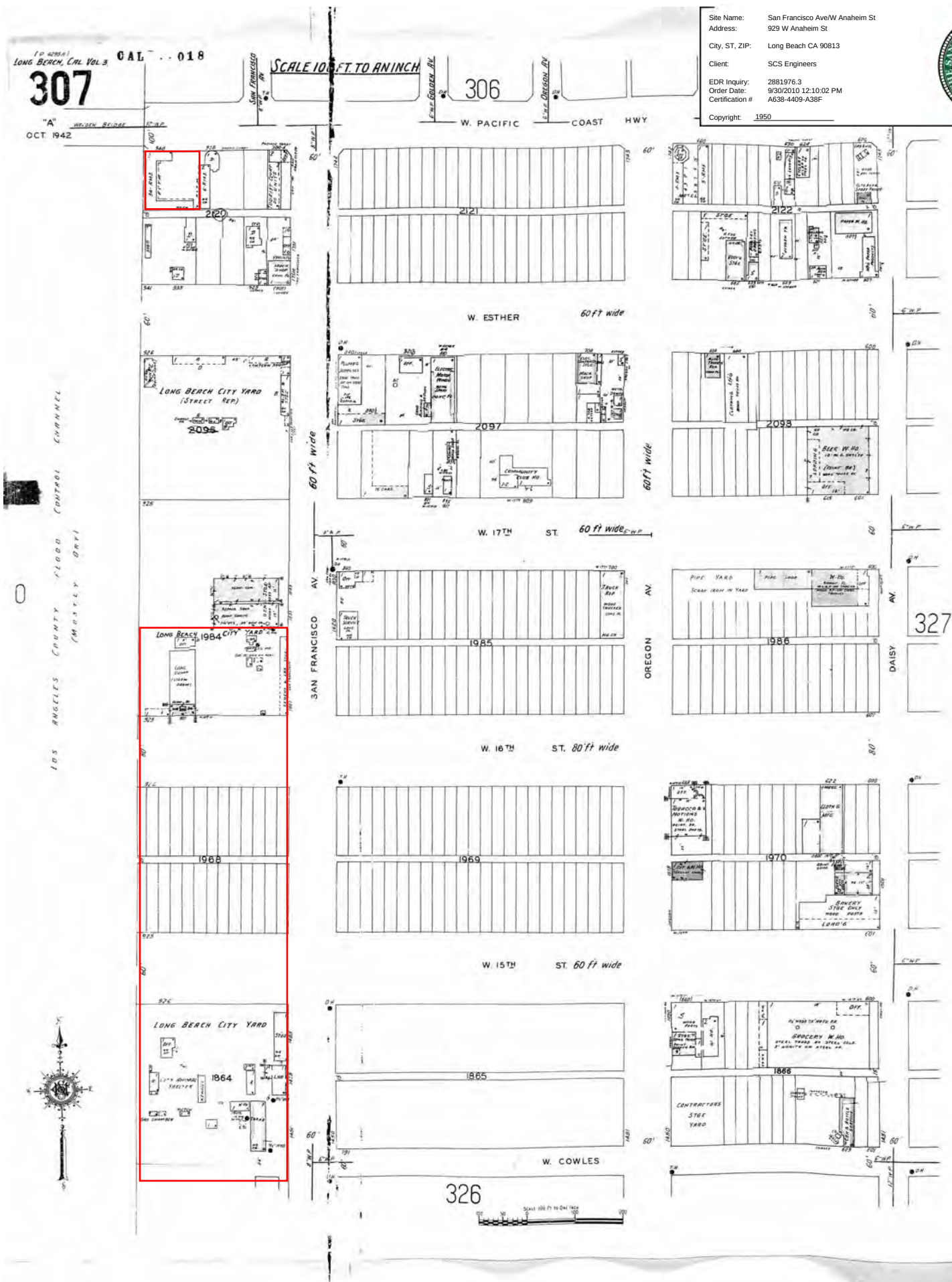
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Address: 929 W Anaheim St
City, ST, ZIP: Long Beach CA 90813
Client: SCS Engineers
EDR Inquiry: 2881976.3
Order Date: 9/30/2010 12:10:02 PM
Certification # A638-4409-A38F
Copyright: 1950



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A638-4409-A38F

Certification #



1950 Certified Sanborn Map

(P-6295A)
LONG BEACH, CAL. VOL. 3

307

"A"
OCT. 1942

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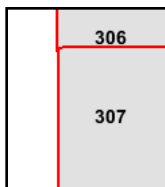
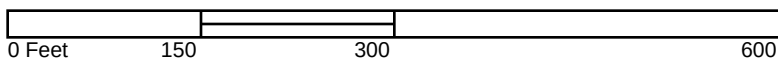
Certification # A638-4409-A38F

COUNTY FLOOD (CONTROL CHANNEL
(MOSTLY DRY)

Site Name:	San Francisco Ave/W Anaheim St
Address:	929 W Anaheim St
City, ST, ZIP:	Long Beach CA 90813
Client:	SCS Engineers
EDR Inquiry:	2881976.3
Order Date:	9/30/2010 12:10:02 PM
Certification #	A638-4409-A38F
Copyright:	1950



This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.



Volume 3, Sheet 306
Volume 3, Sheet 307



San Francisco Ave/W Anaheim St

929 W Anaheim St

Long Beach, CA 90813

Inquiry Number: 2881976.3

October 04, 2010

Certified Sanborn® Map Report

Certified Sanborn® Map Report

9/30/10

Site Name:

San Francisco Ave/W Anaheim
929 W Anaheim St
Long Beach, CA 90813

Client Name:

SCS Engineers
3900 Kilroy Airport Way
Long Beach, CA 90806

EDR Inquiry # 2881976.3

Contact: Loran Bures



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Certified Sanborn Results:

Site Name: San Francisco Ave/W Anaheim St
Address: 929 W Anaheim St
City, State, Zip: Long Beach, CA 90813
Cross Street:
P.O. # 01-00381
Project: 01210161.00
Certification # A638-4409-A38F



Sanborn® Library search results
Certification # A638-4409-A38F

Maps Provided:

1969
1963
1950
1949
1914

The Sanborn Library includes more than 1.2 million Sanborn fire insurance maps, which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

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- ☒ University Publications of America
- ☒ EDR Private Collection

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Sanborn Sheet Thumbnails

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1969 Source Sheets



Volume 1, Sheet 15



Volume 1, Sheet 17

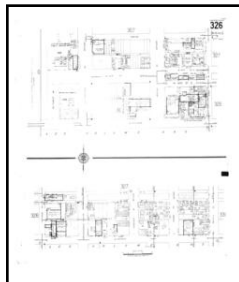
1963 Source Sheets



Volume 3, Sheet 308



Volume 3, Sheet 309



Volume 3, Sheet 328

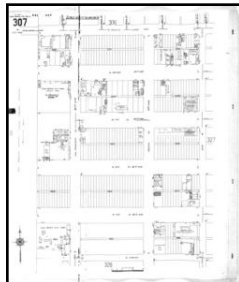
1950 Source Sheets



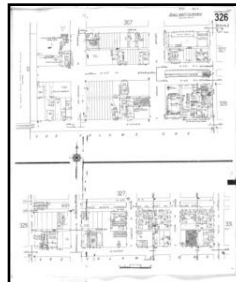
Volume 1, Sheet 14



Volume 1, Sheet 16



Volume 3, Sheet 307



Volume 3, Sheet 326

1949 Source Sheets

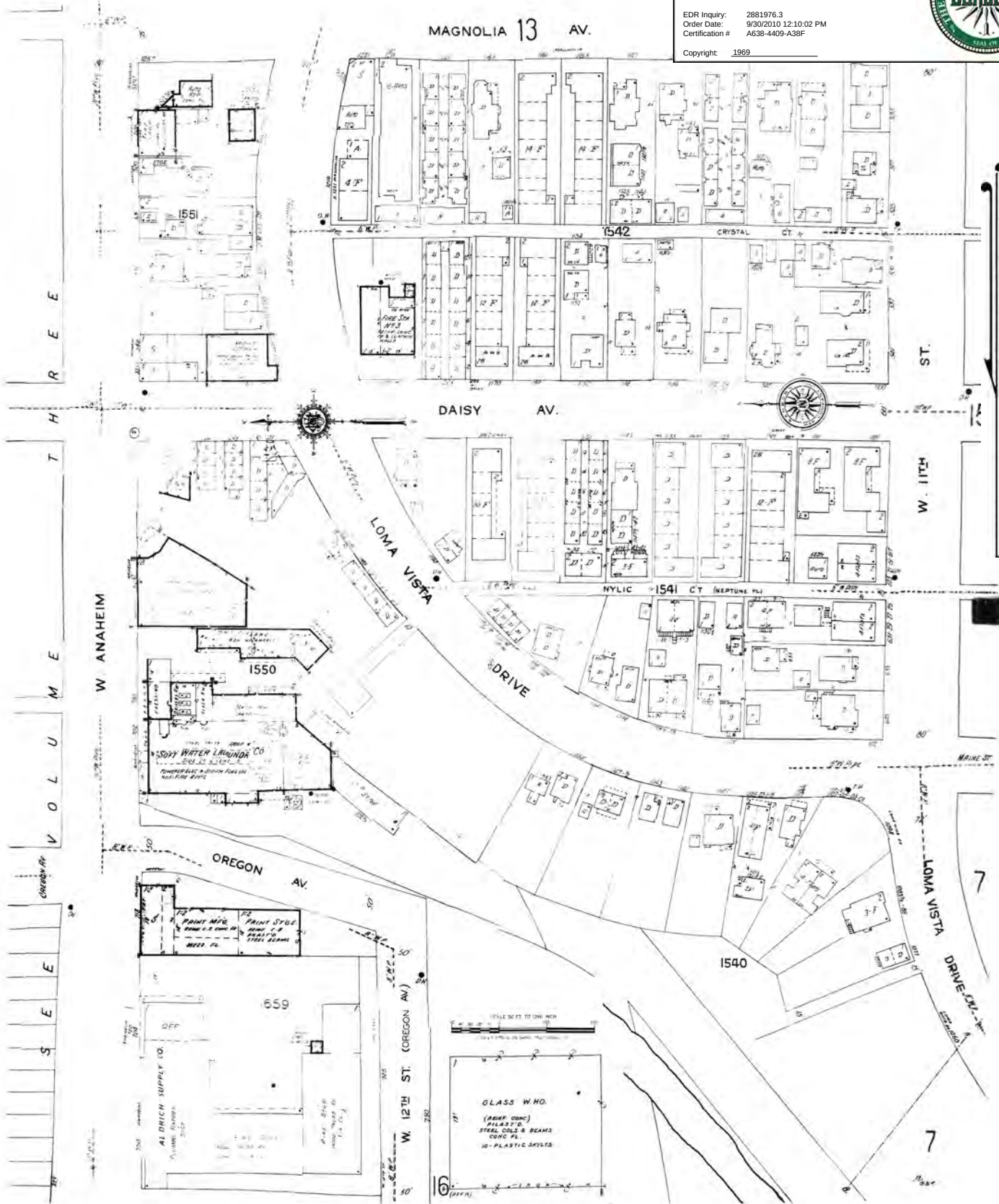


Volume 1, Sheet 15

Volume 1, Sheet 14

1969 Certified Sanborn Map

Site Name: San Francisco Ave/W Anaheim St
 Address: 929 W Anaheim St
 City, ST, ZIP: Long Beach CA 90813
 Client: SCS Engineers
 EDR Inquiry: 2881976.3
 Order Date: 9/30/2010 12:10:02 PM
 Certification #: A638-4409-A38F
 Copyright: 1969



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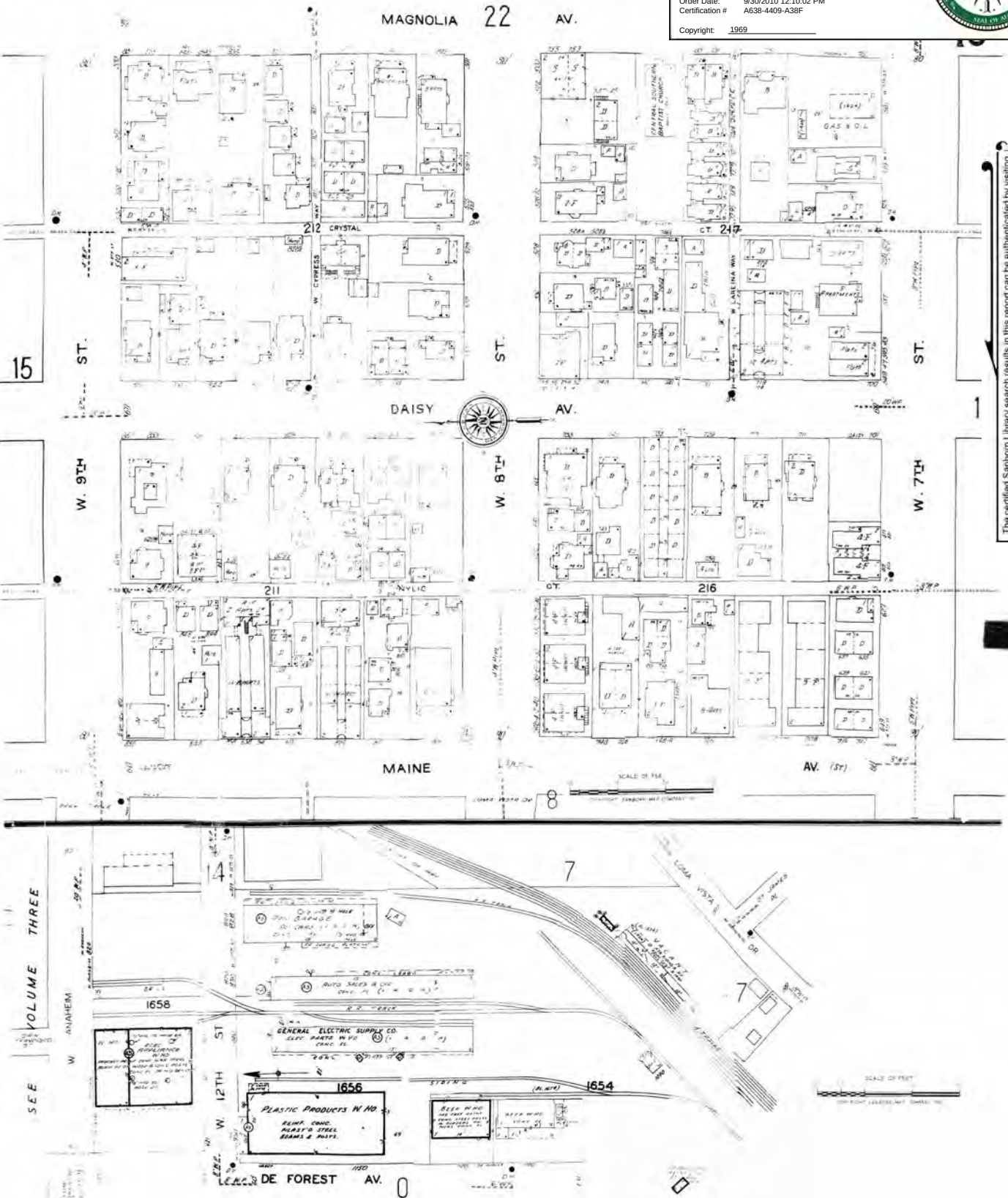
Certification #

1969 Certified Sanborn Map

Site Name: San Francisco Ave/W Anaheim St
 Address: 929 W Anaheim St
 City, ST, ZIP: Long Beach CA 90813
 Client: SCS Engineers
 EDR Inquiry: 2881976.3
 Order Date: 9/30/2010 12:10:02 PM
 Certification #: A638-4409-A38F
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Certification # A638-4409-A38F

1963 Certified Sanborn Map

Long Beach Cal. Vol. 1

306

A
OCT 1942

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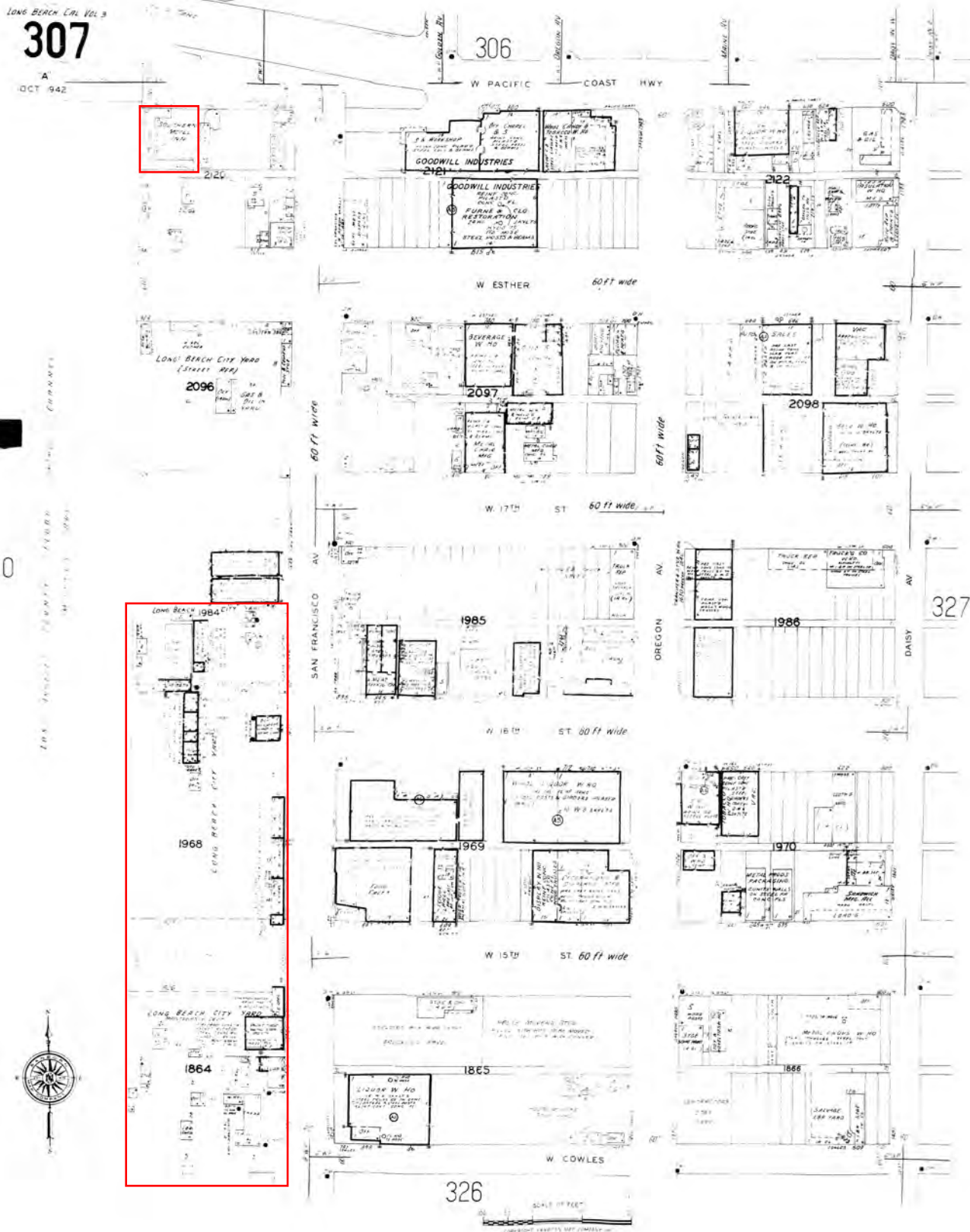
Certification # A638-4409-A38F



Site Name: San Francisco Ave/W Anaheim St
Address: 929 W Anaheim St
City, ST, ZIP: Long Beach CA 90813
Client: SCS Engineers
EDR Inquiry: 2881976.3
Order Date: 9/30/2010 12:10:02 PM
Certification #: A638-4409-A38F
Copyright: 1963



1963 Certified Sanborn Map



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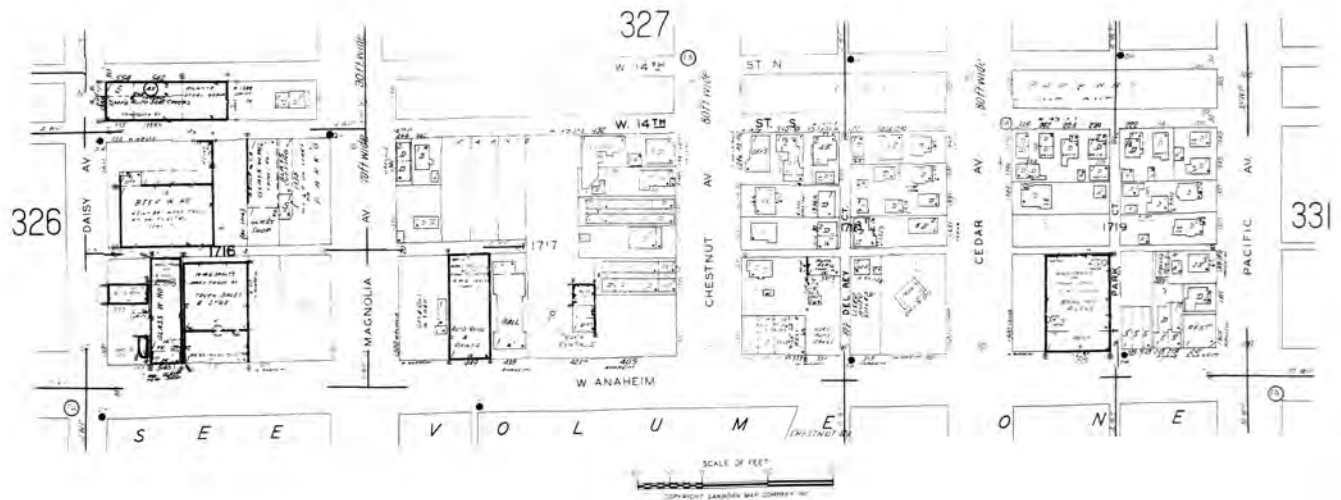
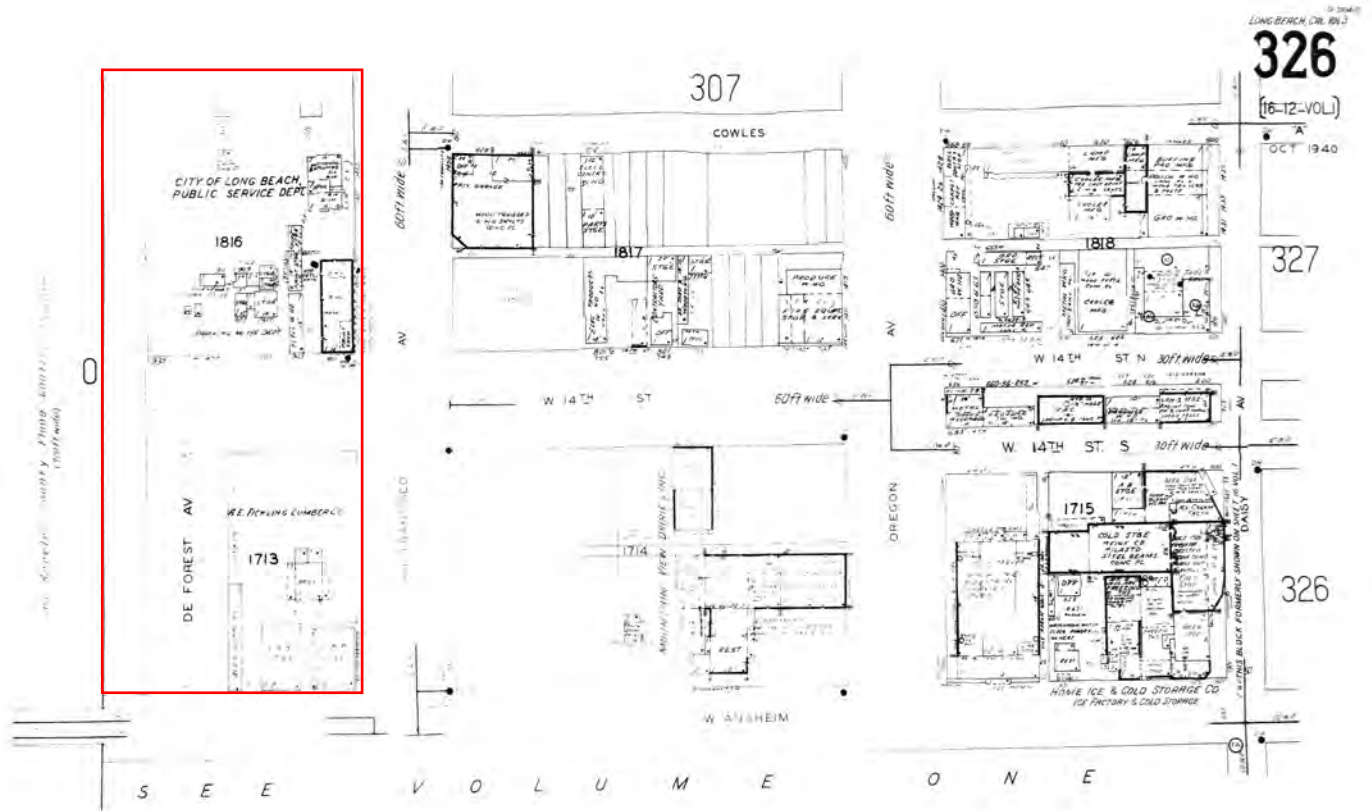
Certification # A638-4409-A38F

Site Name: San Francisco Ave/W Anaheim St
Address: 929 W Anaheim St
City, ST, ZIP: Long Beach CA 90813
Client: SCS Engineers
EDR Inquiry: 2881976.3
Order Date: 9/30/2010 12:10:02 PM
Certification #: A638-4409-A38F
Copyright: 1963



1963 Certified Sanborn Map

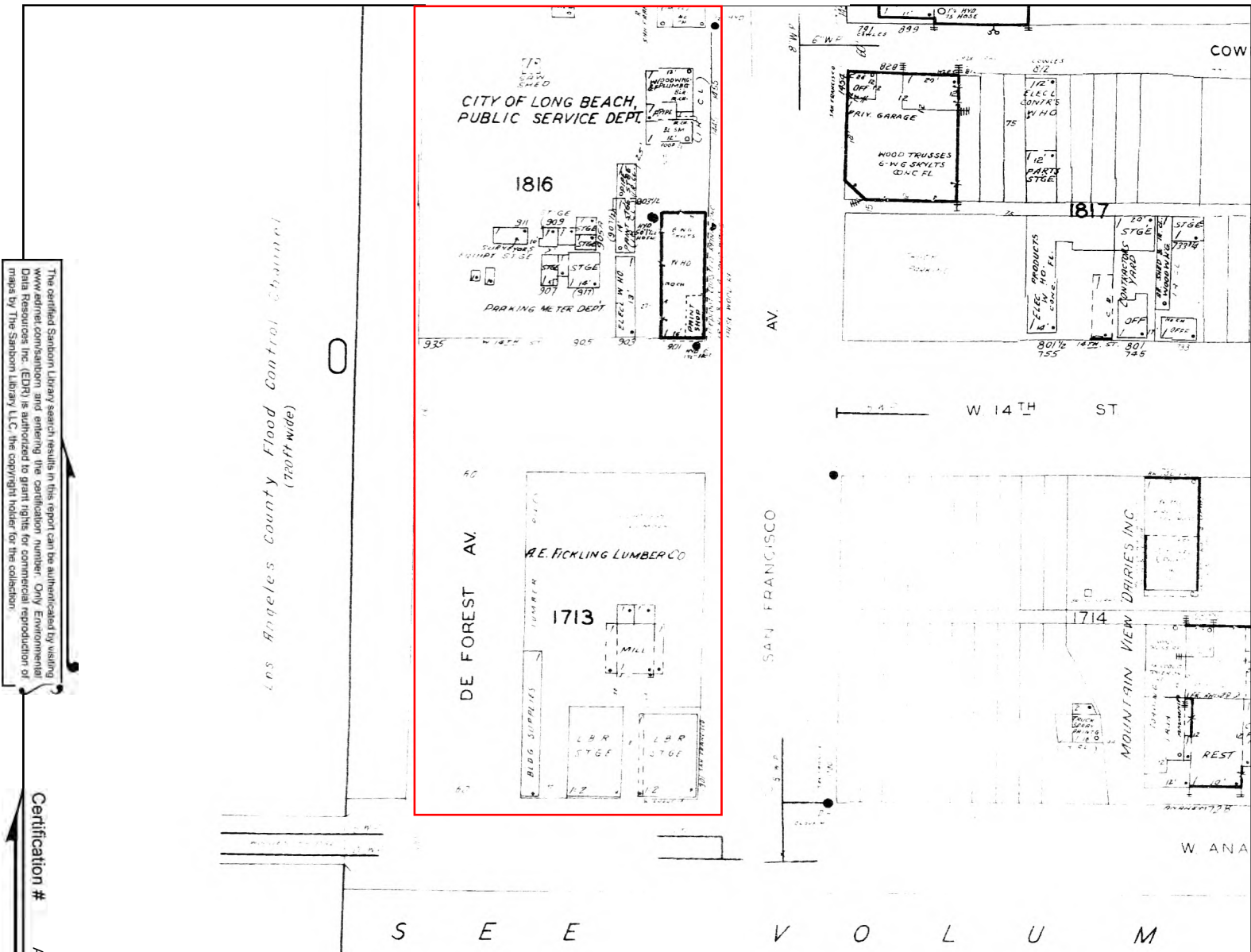
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Site Name: San Francisco Ave/W Anaheim St
Address: 929 W Anaheim St
City, ST, ZIP: Long Beach CA 90813
Client: SCS Engineers
EDR Inquiry: 2881976.3
Order Date: 9/30/2010 12:10:02 PM
Certification # A638-4409-A38F
Copyright: 1963



1963 Certified Sanborn Map



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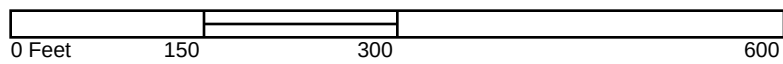
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Address:	929 W Anaheim St
City, ST, ZIP:	Long Beach CA 90813
Client:	SCS Engineers
EDR Inquiry:	2881976.3
Order Date:	9/30/2010 12:10:02 PM
Certification #	A638-4409-A38F
Copyright:	1963



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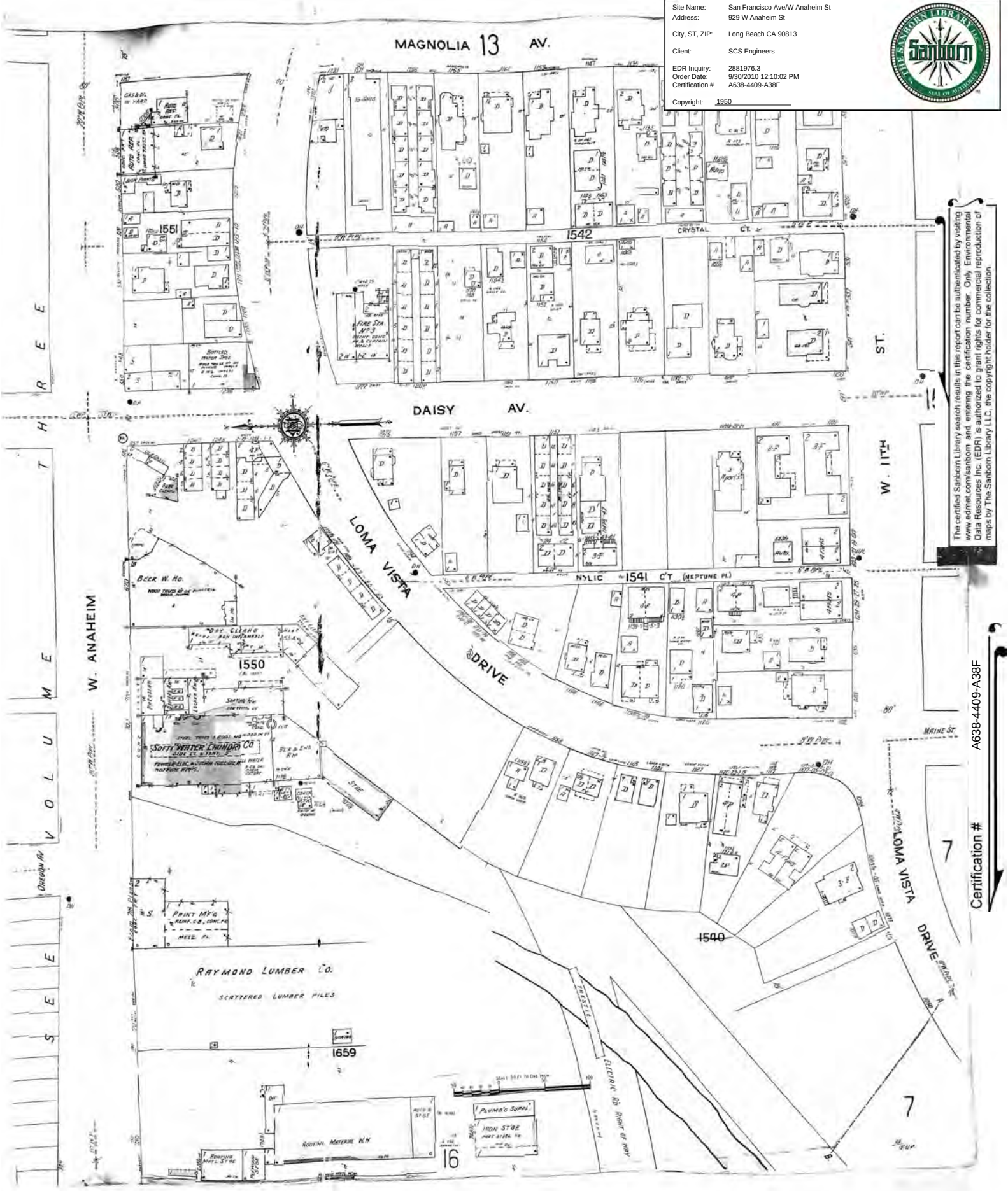


- Volume 3, Sheet 308
- Volume 3, Sheet 309
- Volume 3, Sheet 328



1950 Certified Sanborn Map

Site Name: San Francisco Ave/W Anaheim St
 Address: 929 W Anaheim St
 City, ST, ZIP: Long Beach CA 90813
 Client: SCS Engineers
 EDR Inquiry: 2881976.3
 Order Date: 9/30/2010 12:10:02 PM
 Certification #: A638-4409-A38F
 Copyright: 1950



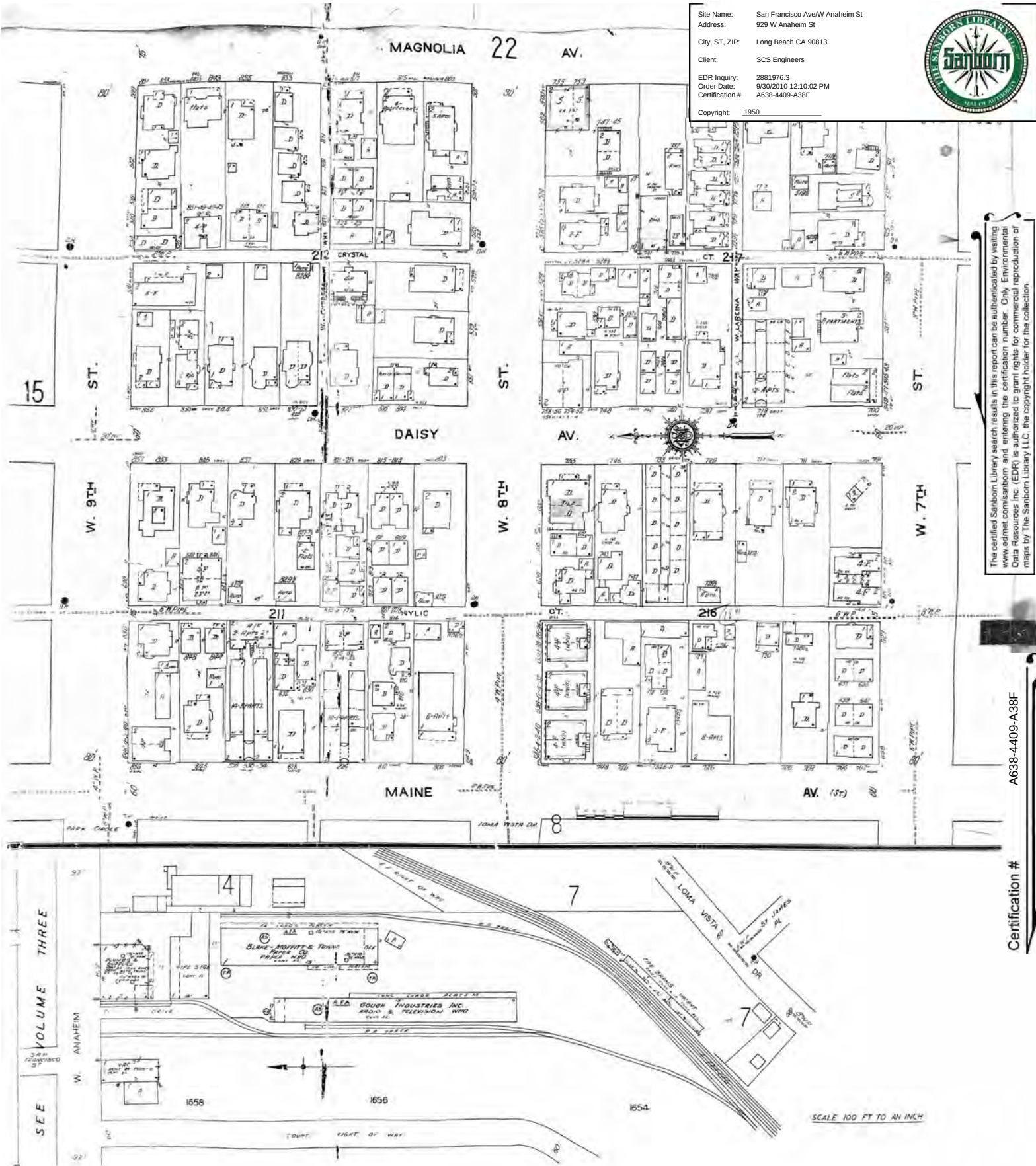
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Certification #

1950 Certified Sanborn Map

Site Name: San Francisco Ave/W Anaheim St
 Address: 929 W Anaheim St
 City, ST, ZIP: Long Beach CA 90813
 Client: SCS Engineers
 EDR Inquiry: 2881976.3
 Order Date: 9/30/2010 12:10:02 PM
 Certification #: A638-4409-A38F
 Copyright: 1950



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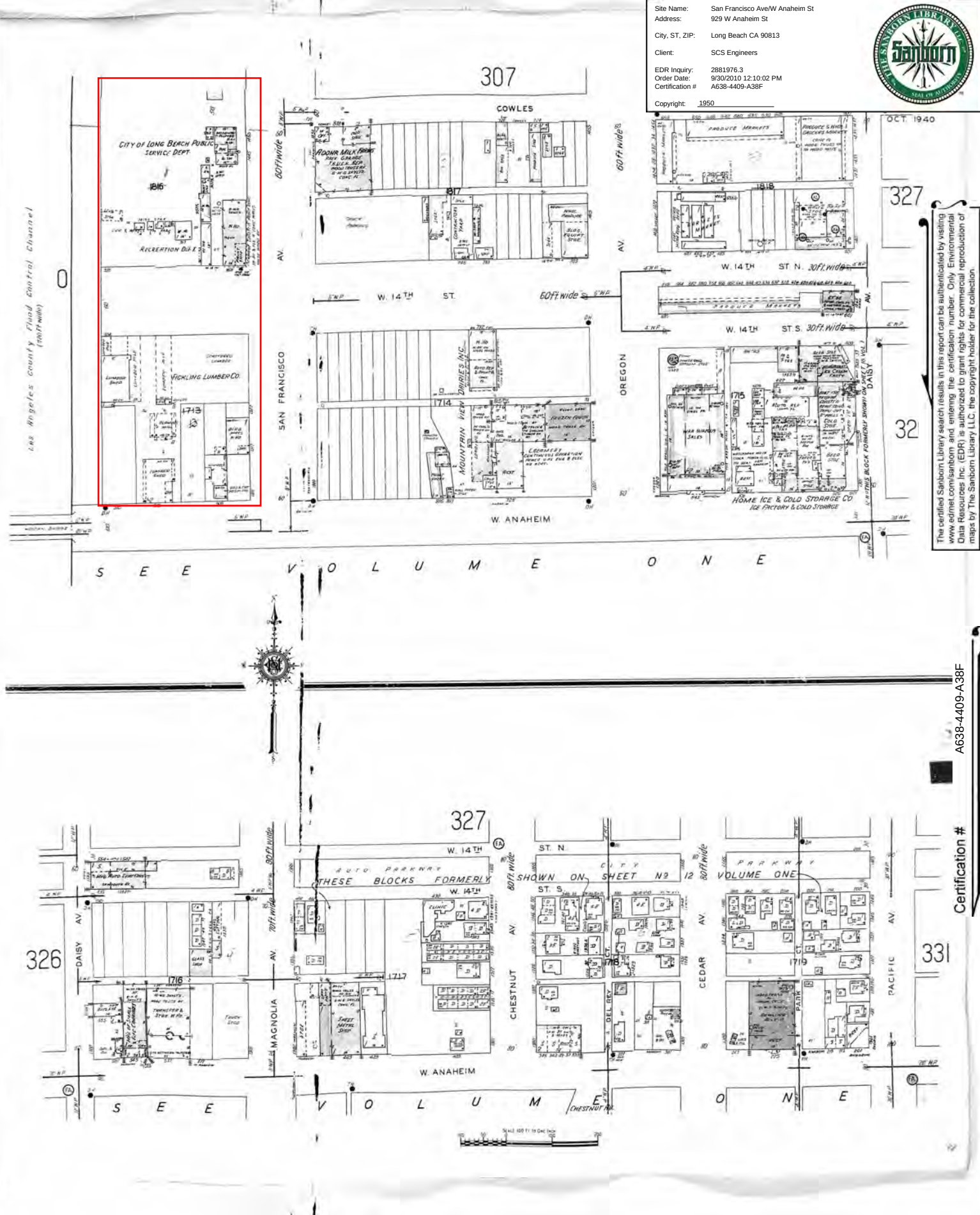
Certification #
 A638-4409-A38F

1950 Certified Sanborn Map

Site Name: San Francisco Ave/W Anaheim St
 Address: 929 W Anaheim St
 City, ST, ZIP: Long Beach CA 90813
 Client: SCS Engineers
 EDR Inquiry: 2881976.3
 Order Date: 9/30/2010 12:10:02 PM
 Certification #: A638-4409-A38F
 Copyright: 1950



OCT 1940



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A638-4409-A38F

Certification #

1949 Certified Sanborn Map

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 Address: 929 W Anaheim St
 City, ST, ZIP: Long Beach CA 90813
 Client: SCS Engineers
 EDR Inquiry: 2881976.3
 Order Date: 9/30/2010 12:10:02 PM
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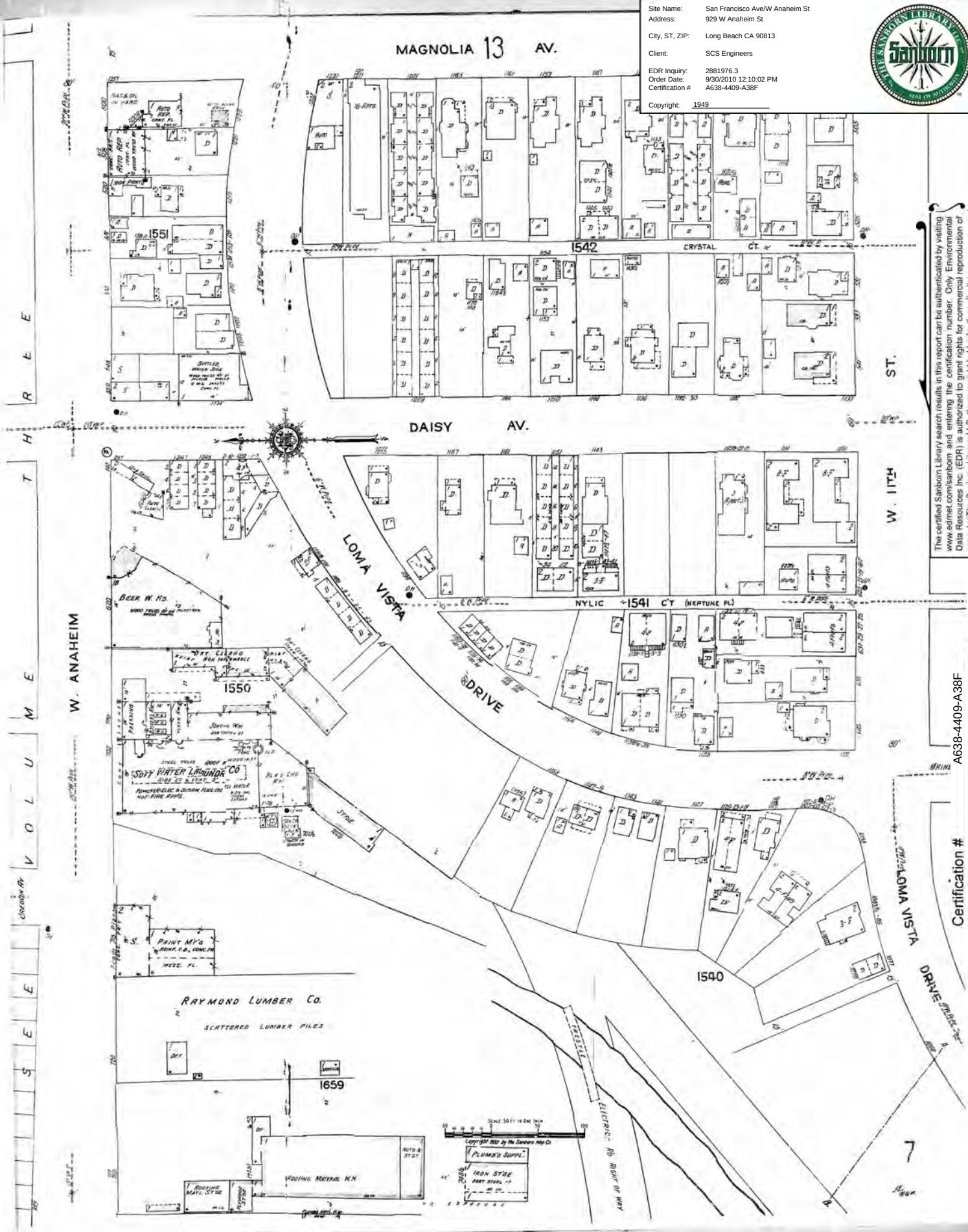
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A638-4409-A38F

Certification #

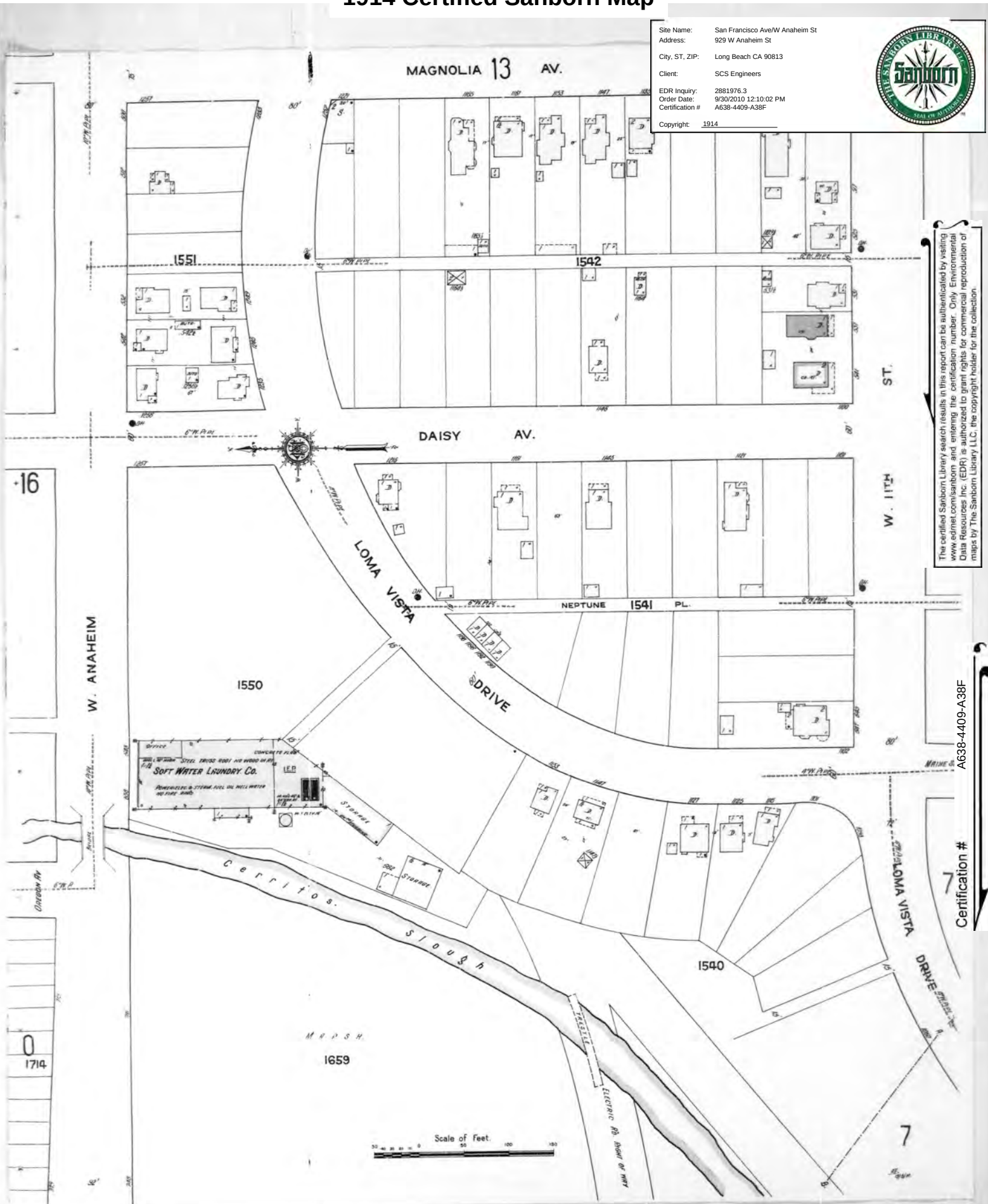


1914 Certified Sanborn Map

Site Name: San Francisco Ave/W Anaheim St
 Address: 929 W Anaheim St
 City, ST, ZIP: Long Beach CA 90813
 Client: SCS Engineers
 EDR Inquiry: 2881976.3
 Order Date: 9/30/2010 12:10:02 PM
 Certification #: A638-4409-A38F
 Copyright: 1914



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A638-4409-A38F

Certification #

Former Long Beach Public Service Yard

San Francisco Ave/W Anaheim St
Long Beach, CA 90813

Inquiry Number: 4328849.9

June 18, 2015

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6 Armstrong Road, 4th Floor
Shelton, Connecticut 06484
Toll Free: 800.352.0050
www.edrnet.com

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Date EDR Searched Historical Sources:

Aerial Photography June 18, 2015

Target Property:

San Francisco Ave/W Anaheim St

Long Beach, CA 90813

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
1923	Aerial Photograph. Scale: 1"=500'	Flight Year: 1923	USGS
1928	Aerial Photograph. Scale: 1"=500'	Flight Year: 1928	USGS
1947	Aerial Photograph. Scale: 1"=500'	Flight Year: 1947	Fairchild
1953	Aerial Photograph. Scale: 1"=500'	Flight Year: 1953	USGS
1963	Aerial Photograph. Scale: 1"=500'	Flight Year: 1963	USGS
1972	Aerial Photograph. Scale: 1"=500'	Flight Year: 1972	USGS
1987	Aerial Photograph. Scale: 1"=500'	Flight Year: 1987	USGS
1989	Aerial Photograph. Scale: 1"=500'	Flight Year: 1989	USGS
1994	Aerial Photograph. Scale: 1"=500'	/DOQQ - acquisition dates: 1994	USGS/DOQQ
2002	Aerial Photograph. Scale: 1"=500'	Flight Year: 2002	USGS
2005	Aerial Photograph. Scale: 1"=500'	Flight Year: 2005	USDA/NAIP
2009	Aerial Photograph. Scale: 1"=500'	Flight Year: 2009	USDA/NAIP
2010	Aerial Photograph. Scale: 1"=500'	Flight Year: 2010	USDA/NAIP
2012	Aerial Photograph. Scale: 1"=500'	Flight Year: 2012	USDA/NAIP



INQUIRY #: 4328849.9

YEAR: 1923

| = 500'





INQUIRY #: 4328849.9

YEAR: 1928

| = 500'





INQUIRY #: 4328849.9

YEAR: 1947

| = 500'





INQUIRY #: 4328849.9

YEAR: 1953

| = 500'





INQUIRY #: 4328849.9

YEAR: 1963

| = 500'





INQUIRY #: 4328849.9

YEAR: 1972

| = 500'





INQUIRY #: 4328849.9

YEAR: 1987

| = 500'





INQUIRY #: 4328849.9

YEAR: 1989

| = 500'





INQUIRY #: 4328849.9

YEAR: 1994

| = 500'





INQUIRY #: 4328849.9

YEAR: 2002

| = 500'





INQUIRY #: 4328849.9

YEAR: 2005

| = 500'





INQUIRY #: 4328849.9

YEAR: 2009

| = 500'





INQUIRY #: 4328849.9

YEAR: 2010

| = 500'





INQUIRY #: 4328849.9

YEAR: 2012

| = 500'



Former Long Beach Public Service Yard

San Francisco Ave/W Anaheim St
Long Beach, CA 90813

Inquiry Number: 4328849.5
June 17, 2015

The EDR-City Directory Abstract



Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

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City Directory Images

Thank you for your business.

Please contact EDR at 1-800-352-0050
with any questions or comments.

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This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OR DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1920 through 2013. This report compiles information gathered in this review by geocoding the latitude and longitude of properties identified and gathering information about properties within 660 feet of the target property.

A summary of the information obtained is provided in the text of this report.

RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

<u>Year</u>	<u>Source</u>	<u>TP</u>	<u>Adjoining</u>	<u>Text Abstract</u>	<u>Source Image</u>
2013	Cole Information Services	-	X	X	-
	Cole Information Services	X	X	X	-
2008	Cole Information Services	-	X	X	-
2006	Haines Company, Inc.	-	X	X	-
	Haines Company, Inc.	X	X	X	-
2004	Haines Company	-	-	-	-
2003	Haines & Company	-	-	-	-
2001	Haines Company, Inc.	-	-	-	-
2000	Haines	-	X	X	-
	Haines	X	X	X	-
1999	Haines Company	-	-	-	-
1996	GTE	-	-	-	-
1995	Pacific Bell	-	X	X	-
	Pacific Bell	X	X	X	-
1992	PACIFIC BELL WHITE PAGES	-	-	-	-
1991	Pacific Bell	-	X	X	-
1990	Pacific Bell	-	X	X	-
1986	Pacific Bell	-	X	X	-
1985	Pacific Bell	-	X	X	-
1981	Pacific Telephone	-	X	X	-
1980	Pacific Telephone	-	X	X	-
	Pacific Telephone	X	X	X	-
1976	Pacific Telephone	-	X	X	-
1975	Pacific Telephone	-	X	X	-
	Pacific Telephone	X	X	X	-

EXECUTIVE SUMMARY

<u>Year</u>	<u>Source</u>	<u>TP</u>	<u>Adjoining</u>	<u>Text Abstract</u>	<u>Source Image</u>
1972	R. L. Polk & Co.	-	-	-	-
1971	R. L. Polk & Co.	-	-	-	-
1970	Pacific Telephone	-	X	X	-
1969	Pacific Telephone	-	X	X	-
	Pacific Telephone	X	X	X	-
1967	Pacific Telephone	-	X	X	-
1966	Pacific Telephone	-	-	-	-
1965	GTE	-	-	-	-
1964	Pacific Telephone	-	X	X	-
	Pacific Telephone	X	X	X	-
1963	Pacific Telephone	-	X	X	-
	Pacific Telephone	X	X	X	-
1962	Pacific Telephone	-	-	-	-
1961	R. L. Polk & Co.	-	-	-	-
1960	General Telephone Company Publishers	-	X	X	-
	General Telephone Company Publishers	X	X	X	-
	Pacific Telephone	-	X	X	-
	Pacific Telephone	X	X	X	-
1958	Pacific Telephone	-	X	X	-
1957	Pacific Telephone	-	X	X	-
	Pacific Telephone	X	X	X	-
1956	Pacific Telephone	-	-	-	-
1955	R. L. Polk & Co.	-	-	-	-
1954	R. L. Polk & Co.	-	X	X	-
	R. L. Polk & Co.	X	X	X	-
1952	Los Angeles Directory Co.	-	X	X	-
	Los Angeles Directory Co.	X	X	X	-
1951	Los Angeles Directory Co.	-	-	-	-
1950	Pacific Telephone	-	X	X	-
	Pacific Telephone	X	X	X	-
1949	Los Angeles Directory Co.	-	-	-	-
1948	Los Angeles Directory Co.	-	X	X	-
	Los Angeles Directory Co.	X	X	X	-
1947	Pacific Directory Co.	-	-	-	-
1946	Southern California Telephone Co	-	-	-	-
1945	R. L. Polk & Co.	-	-	-	-
1944	R. L. Polk & Co.	-	X	X	-
	R. L. Polk & Co.	X	X	X	-
1942	Los Angeles Directory Co.	-	X	X	-
1940	Los Angeles Directory Co.	-	-	-	-
1939	Los Angeles Directory Co.	-	X	X	-
	Los Angeles Directory Co.	X	X	X	-

EXECUTIVE SUMMARY

<u>Year</u>	<u>Source</u>	<u>TP</u>	<u>Adjoining</u>	<u>Text Abstract</u>	<u>Source Image</u>
1938	Los Angeles Directory Company Publishers	-	-	-	-
1937	Los Angeles Directory Co.	-	X	X	-
1936	Los Angeles Directory Co.	-	-	-	-
1935	Los Angeles Directory Co.	-	X	X	-
	Los Angeles Directory Co.	X	X	X	-
1934	Los Angeles Directory Co.	-	-	-	-
1933	Los Angeles Directory Co.	-	X	X	-
1932	Los Angeles Directory Co.	-	-	-	-
1931	Los Angeles Directory Co.	-	X	X	-
	Los Angeles Directory Co.	X	X	X	-
1930	Los Angeles Directory Co.	-	-	-	-
1929	Los Angeles Directory Co.	-	X	X	-
1928	Los Angeles Directory Co.	-	-	-	-
1927	Los Angeles Directory Co.	-	-	-	-
1926	Los Angeles Directory Co.	-	-	-	-
1925	Los Angeles Directory Co.	-	-	-	-
1924	Los Angeles Directory Co.	-	X	X	-
1923	Los Angeles Directory Co.	-	-	-	-
1921	Los Angeles Directory Co.	-	-	-	-
1920	Los Angeles Directory Co.	-	-	-	-

EXECUTIVE SUMMARY

SELECTED ADDRESSES

The following addresses were selected by the client, for EDR to research. An "X" indicates where information was identified.

<u>Address</u>	<u>Type</u>	<u>Findings</u>
901 West Anaheim	Client Entered	X
929 West Anaheim	Client Entered	X
949 West Anaheim	Client Entered	X
1501 San Francisco Avenue	Client Entered	X
1401 San Francisco Avenue	Client Entered	X
1409 San Francisco Avenue	Client Entered	
1445 San Francisco Avenue	Client Entered	
1475 San Francisco Avenue	Client Entered	X
1601 San Francisco Avenue	Client Entered	X
1725 San Francisco Avenue	Client Entered	
940 West Pacific Coast Highway	Client Entered	

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

San Francisco Ave/W Anaheim St
Long Beach, CA 90813

FINDINGS DETAIL

Target Property research detail.

ANAHEIM W

901 ANAHEIM W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2000	LB CTY AUTO TOWING OPERATION	Haines
	LB CTY FLT TOWING OPERATION	Haines
	TOWING OPERATION	Haines
	X DEFOREST AV	Haines
1995	MORANS AUTO WHSLE	Pacific Bell

929 ANAHEIM W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1944	Fkllin A E Lbr Co	R. L. Polk & Co.
1939	AFickling A E Lbr Co	Los Angeles Directory Co.

949 ANAHEIM W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1935	Misrack J S gas sta	Los Angeles Directory Co.
1931	Sifton A D gas sta	Los Angeles Directory Co.

ANAHEIM ST W

929 ANAHEIM ST W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1969	FICKLING LUMBER CO INC RET	Pacific Telephone

San Francisco Avenue

1401 San Francisco Avenue

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1931	City Garage	Los Angeles Directory Co.

FINDINGS

1409 San Francisco Avenue

<u>Year</u>	<u>Uses</u>	<u>Source</u>
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1445 San Francisco Avenue

<u>Year</u>	<u>Uses</u>	<u>Source</u>
-------------	-------------	---------------

1475 San Francisco Avenue

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2000	LB CTY CHEM & TST LAB	Haines
	X 15TH W	Haines
	X 16TH W	Haines
1980	CHEMICAL & TESTING LAB	Pacific Telephone
	LONG BEACH CITY OF	Pacific Telephone
1975	CHEMICAL & TESTING LAB	Pacific Telephone
	LONG BEACH CITY OF	Pacific Telephone
1969	CITY CHEMICAL & TESTING LABY	Pacific Telephone
1963	City Chem & Testing Laby HE	Pacific Telephone
1960	LONG BEACH CITY OF CHEMICAL & TESTING LAB	Pacific Telephone
1957	City Chem & Testing Laby he	Pacific Telephone
	LONG BEACH CITY OF CHEMICAL & TESTING LABLONG BEACH	Pacific Telephone
1952	City Cheml & Testing Labty	Los Angeles Directory Co.
1950	LONG BCH CITY OF AIR POLLUTION CONTROL	Pacific Telephone
	LONG BCH CITY OF CHEMICAL & TESTING LAB	Pacific Telephone
1948	City Cheml & Testing Labty	Los Angeles Directory Co.
1944	City Chemical and Test ing Laboratory	R. L. Polk & Co.
1939	ACity Chemist and Testing Engineer	Los Angeles Directory Co.

1501 San Francisco Avenue

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1952	City Animal Shelter	Los Angeles Directory Co.
1948	City Poundmaster	Los Angeles Directory Co.
1944	Ic Ol ACity Pound	R. L. Polk & Co.
1939	Vacant	Los Angeles Directory Co.
1935	City Anifmail Shc Wt	Los Angeles Directory Co.
	City Poun dm aeter	Los Angeles Directory Co.
	Kallaher D E	Los Angeles Directory Co.

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1931	City Humane Commission	Los Angeles Directory Co.
	City Poundmaster	Los Angeles Directory Co.

1601 San Francisco Avenue

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	LONG BCH CTY	Haines Company, Inc.
	LONG BCH CTY PUB	Haines Company, Inc.
	LONGBCH CTY PUB	Haines Company, Inc.
	SV BUR GAS	Haines Company, Inc.
	SVTDOD	Haines Company, Inc.
	TREES	Haines Company, Inc.
2000	LB CTY PUBLIC SERV	Haines
	LB CTY PUBLIC SERVICE BUR TDD	Haines
	LB CTY TREES	Haines
1995	Long Beach City Of PUBLIC SERVICE BUREAU	Pacific Bell
1980	Electrical & Mechanical Services Div	Pacific Telephone
	LONG BEACH CITY OF PUBLIC WORKS DEPT PUBLIC SERVICE BUREAU	Pacific Telephone
	Public Service Bureau	Pacific Telephone
	Sewer Maintenance Div	Pacific Telephone
	Street Maintenance Div	Pacific Telephone
1975	LONG BEACH CITY OF PUBLIC SERVICE DEPARTMENT	Pacific Telephone
	PUBLIC SERVICE DEPARTMENT	Pacific Telephone
1969	CITY PUBLIC SERV DEPT	Pacific Telephone
1964	LONG BEACH CITY OF PUBLIC SERVICE DEPARTMENT	Pacific Telephone
1963	City Public Serv Dept HE	Pacific Telephone
1960	LONG BEACH CITY OF PUBLIC SERVICE DEPARTMENT	Pacific Telephone
1957	City Public Serv Dept	Pacific Telephone
	LONG BEACH CITY OF HEALTH DEPARTMENT	Pacific Telephone
1952	City Public Serv Dept	Los Angeles Directory Co.

1725 San Francisco Avenue

<u>Year</u>	<u>Uses</u>	<u>Source</u>
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FINDINGS

W ANAHEIM ST

901 W ANAHEIM ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2013	PETROS TUBULAR	Cole Information Services
1950	LONGBCH JANITOR SUPPLY CO	Pacific Telephone
	LONGBOH SUPPLY CO CHEMOLS	Pacific Telephone

929 W ANAHEIM ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1954	FICKLING A E LUMBR CO	R. L. Polk & Co.
1950	DAVIS ROOFING CO	Pacific Telephone
	FICKLING A E LUMBR CO	Pacific Telephone
	STANDARD STATIONS INC WILMINGTON	Pacific Telephone

West Anaheim

901 West Anaheim

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2000	LB CTY AUTO TOWING OPERATION	Haines
	LB CTY FLT TOWING OPERATION	Haines
	TOWING OPERATION	Haines
	X DEFOREST AV	Haines
1995	MORANS AUTO WHSLE	Pacific Bell

929 West Anaheim

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1944	Fkllin A E Lbr Co	R. L. Polk & Co.
1939	AFickling A E Lbr Co	Los Angeles Directory Co.

949 West Anaheim

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1935	Misrack J S gas sta	Los Angeles Directory Co.
1931	Sifton A D gas sta	Los Angeles Directory Co.

West Pacific Coast Highway

940 West Pacific Coast Highway

<u>Year</u>	<u>Uses</u>	<u>Source</u>
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FINDINGS

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

12TH W

725 12TH W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2000	PETROTHERM	Haines

790 12TH W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2000	WESTRN STATES GLASS INC	Haines
	X DEFOREST AV	Haines

823 12TH W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2000	XXXX	Haines

825 12TH W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2000	HONOR TRUCK & TRANSFER	Haines

828 12TH W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2000	SOUTH CST SERVICE	Haines
	V & S TRANSPORTATION	Haines

838 12TH W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2000	PREFERRED TRANSPORT	Haines

840 12TH W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2000	PAC MULTI MODAL INC	Haines

849 12TH W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2000	XXXX	Haines

FINDINGS

901 12TH W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2000	AIR PRODUCTS & CHEMICALS	Haines

909 12TH W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2000	XXXX	Haines

950 12TH W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2000	LIZETTE CREATIONS	Haines

14TH W

696 14TH W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	DE REZA BENIGNO	Pacific Bell
1990	DE REZA BENIGNO	Pacific Bell

704 14TH W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2000	KENS PLUMBING INC	Haines

708 14TH W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2000	J & D HYTRONICS	Haines

712 14TH W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2000	XXXX	Haines

716 14TH W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2000	XXXX	Haines

717 14TH W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2000	XXXX	Haines

720 14TH W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2000	TECHNICAL ARTISAN	Haines

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	TOR SRET	Pacific Bell

721 14TH W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2000	ALLAIRE Don	Haines

723 14TH W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2000	14TH W 90813 CONT	Haines
	CONTROLS UNLI	Haines

728 14TH W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	GOSS JOE	Pacific Bell
1990	GOSS JOE	Pacific Bell

729 14TH W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	CHURN CHAUNG	Pacific Bell

731 14TH W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	CHURN CHAUNG	Pacific Bell

734 14TH W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	EVANISEVICH STEVE	Pacific Bell

737 14TH W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	SANDOVAL MATTHEW R	Pacific Bell
	SANDOVAL GLORIA	Pacific Bell

740 14TH W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2000	TOMMYS AUTO SERVICE	Haines
	PEYTCHEV Kosta	Haines
1990	BRYAN CHAS A	Pacific Bell

FINDINGS

744 14TH W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2000	SEA Smith	Haines
	X SAN FRANCISCO AV	Haines

746 14TH W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	BOLAND MARY T	Pacific Bell

753 14TH W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	EROSA IGNACIO	Pacific Bell
1990	EROSA IGNACIOA	Pacific Bell

760 14TH W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	LO GRASSO PASQUALE	Pacific Bell

761 14TH W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	2 VILLEGAS MANUEL	Pacific Bell

764 14TH W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	SALAZAR JERONIMO	Pacific Bell
1990	SALAZAR JERONIMO	Pacific Bell

773 14TH W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	2 NATERS VICTOR H	Pacific Bell
	4 ANICIC SIME	Pacific Bell
1990	2 NATERS VICTOR H	Pacific Bell

777 14TH W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	1 SERVOSS ROY W	Pacific Bell
	4 MACKEY HERBERT & TERESA	Pacific Bell
	3 GARCIA FROILAN	Pacific Bell

778 14TH W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	3 DAVIES J A & D L	Pacific Bell

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	3 DAVIES J A & DL	Pacific Bell
	DI BENNARDO GIOVANNA	Pacific Bell

782 14TH W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	SMITH ANN	Pacific Bell

785 14TH W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	2 TEMBLADOR J	Pacific Bell

793 14TH W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	ZAVALA YOLANDA	Pacific Bell

800 14TH W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2000	W&O SUPPLY INC	Haines

801 14TH W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2000	TECHNICAL SERV CO	Haines

804 14TH W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2000	FAR EAST MARINE SUPPLIES	Haines

806 14TH W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2000	EVERETTS AUTOMOTIVE	Haines

808 14TH W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	MOORE RICHARD A	Pacific Bell

826 14TH W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	TARANGO WILLIAM	Pacific Bell

830 3/4 14TH W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	BARBA ELPIDIO	Pacific Bell

FINDINGS

900 14TH W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	5 SHORT JAMES E	Pacific Bell
1990	10 WALKER BRUCE W	Pacific Bell

934 14TH W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	LA FARGA VINCENT A	Pacific Bell
1990	LA FARGA VINCENT A	Pacific Bell

942 14TH W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	BRIGNAC JOHN P	Pacific Bell

972 14TH W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	2 KOENKE ROBERT E	Pacific Bell
1990	5 MOBAREZ AL	Pacific Bell
	3 WILDER LARRY	Pacific Bell

14TH ST W

703 14TH ST W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1944	Pettifer C W genl contr	R. L. Polk & Co.
1939	APettifer C W genl contr	Los Angeles Directory Co.
1935	Pettifer C W bldg contr	Los Angeles Directory Co.

733 14TH ST W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1969	EL SOMBRERO SALES MFG CONCRETE PROD	Pacific Telephone
	MARINE INDUSTRIAL PUMP & EQUIPMENT	Pacific Telephone
	GADCO ISP INC OIL TOOL MFG	Pacific Telephone
	ARTOGS ARTIST MATERIALS	Pacific Telephone
1944	Duffi S M geni contr	R. L. Polk & Co.
1939	Duff & Vandenhoogen Co gcnl contrs	Los Angeles Directory Co.
1935	Duff & Vandenhoogen Co genl contrs	Los Angeles Directory Co.
1931	Pettifer Chas W Co genl contra	Los Angeles Directory Co.

FINDINGS

745 14TH ST W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1944	Allen W E geni contr	R. L. Polk & Co.

746 14TH ST W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1939	AAAllen W E genl contr	Los Angeles Directory Co.
	Ford S L p Istr contr	Los Angeles Directory Co.

800 14TH ST W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1969	JOHNSON C LLOYD CO INC DANDY DRUGS & SUNDRIES DISTR	Pacific Telephone

801 14TH ST W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1969	TECHNICAL SERVICE CO OIL WELL SERV	Pacific Telephone

804 14TH ST W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1969	NOTCH M A CORP MILITARY PROCUREMENT	Pacific Telephone

806 14TH ST W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1969	SOUTH PACIFIC CANNING CO	Pacific Telephone
	HALFHILL CO CANNERS TUNAFISH	Pacific Telephone

845 14TH ST W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1969	VACANT	Pacific Telephone

ANAHEIM W

1001 ANAHEIM W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	CHURCHS FRIED CHICKEN	Pacific Bell
1990	CHURCHS FRIED CHICKEN	Pacific Bell

FINDINGS

1010 ANAHEIM W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	WILMINGTON CENTER LIQUOR MARKET	Pacific Bell
1990	WILMINGTON CENTER LIQUOR MKT	Pacific Bell

1014 ANAHEIM W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	A & A THRIFT STORES	Pacific Bell
1990	THRIFT VILLAGE THRIFT STORE	Pacific Bell

1020 ANAHEIM W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	RAMIROS AUTO REPAIR	Pacific Bell
	WILMINGTON ARCO	Pacific Bell
1990	CHOS ARCO SERVICE	Pacific Bell
	LEES AUTO SERVICE	Pacific Bell

1101 ANAHEIM W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	RICKS IN & OUT	Pacific Bell
1990	RICKS IN & OUT	Pacific Bell

1109 ANAHEIM W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	3 JAIME MAURICIO	Pacific Bell

1110 ANAHEIM W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	5 PANADERIA SAN MIGUEL BAKERY	Pacific Bell
	7 GUADALAJARA MEAT MARKET	Pacific Bell
	1 VIDEO VISION	Pacific Bell
	SWEETHOUSE DOUGHNUTS	Pacific Bell
	4 ANAHEIM STREET CHECK CASHING	Pacific Bell
	3 ONE DOLLAR CHINESE FAST FOOD	Pacific Bell
	2 MARISCOS ROSARITO	Pacific Bell
1990	GUADALAJARA MEAT MARKET	Pacific Bell
	4 ANAHEIM STREET CHECK CASHING	Pacific Bell
	SWEETHOUSE DOUGHNUTS	Pacific Bell
	EL RICO TACO	Pacific Bell
	1 VIDEO VISION	Pacific Bell

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	3 AMIGOS PIZZA	Pacific Bell

1115 ANAHEIM W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	2 MARRON RUTH	Pacific Bell
	2 GARCIA MAYRA	Pacific Bell

1117 ANAHEIM W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	4 OTAMENDI ARTURO S	Pacific Bell
	2 DELGADO JOSEFINA	Pacific Bell
	5 FERRER GRISELDA	Pacific Bell

1122 ANAHEIM W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	GENUINE PARTS CO	Pacific Bell
1990	GONZALEZ RESTAURANT	Pacific Bell

1127 ANAHEIM W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	WEST COAST PLUMBING CO	Pacific Bell
1990	WEST COAST PLUMBING CO	Pacific Bell

1130 ANAHEIM W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	VETERANS OF FOREIGN WARS	Pacific Bell
1990	VETERANS OF FOREIGN WARS	Pacific Bell

1131 ANAHEIM W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	RAFFLES	Pacific Bell
1990	RAFFLES	Pacific Bell

701 ANAHEIM W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2000	APPLIED INDUSTRIAL TECHNOLOGY	Haines

702 ANAHEIM W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2000	XXXX	Haines
1995	GANDY GLASS CO	Pacific Bell

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	GANDY GLASS CO	Pacific Bell
1944	Soft Water Lndy Co	R. L. Polk & Co.
1939	ASoft Water Lndy Co	Los Angeles Directory Co.
	1/2 Durand Anna Mrs	Los Angeles Directory Co.
1935	Soft Water Laundry Co	Los Angeles Directory Co.
1931	Soft Water Laundry Co	Los Angeles Directory Co.
1924	Soft Water Laundry Co	Los Angeles Directory Co.

703 ANAHEIM W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	WILMINGTON DISCOUNT	Pacific Bell
1990	FURNITURE FACTORY CO	Pacific Bell

705 ANAHEIM W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2000	MAGTROL LONG BEACH INC	Haines
	MAGTROL	Haines

707 ANAHEIM W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	MARCO & ERIKA HAIR SALON	Pacific Bell
1990	DE SANTIS RESTAURANT	Pacific Bell

710 ANAHEIM W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	C V ENTERPRISE	Pacific Bell

712 ANAHEIM W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	5 AGUIRRE CHAVEZ JUANA	Pacific Bell
1990	5 AGUIRRE CHAVEZ JUANA	Pacific Bell
	2 MENDOZA ADELLNA	Pacific Bell
	2 AGUIRRE RAMON	Pacific Bell

713 ANAHEIM W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	BROWNS AUTO PART	Pacific Bell
1990	BROWN AUTO SUPPLY	Pacific Bell

FINDINGS

715 ANAHEIM W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2000	XXXX	Haines

716 ANAHEIM W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	VEGA MFG	Pacific Bell
1990	VEGA MFG	Pacific Bell

718 ANAHEIM W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2000	WEST CST CHOPPERS	Haines
1995	MATEO ESCILDA	Pacific Bell

718 1/2 ANAHEIM W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	LOPEZ RIGOBERTO	Pacific Bell

722 ANAHEIM W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	ESPARZA BENITO H	Pacific Bell
1990	ESPARZA BENITO H	Pacific Bell

724 ANAHEIM W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2000	ALMA Montes	Haines
	NATIONWDE EQUIPMENT SALES & SERV	Haines
	S W O T INTERNATL	Haines
	WALSH Robert	Haines
1995	LEES BOUTIQUE	Pacific Bell
1990	LEES BOUTIQUE	Pacific Bell

725 ANAHEIM W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2000	MOUNTAIN VIEW RLTY	Haines
	AMIGOS WHOLE SALE	Haines
	BECHLER CORP	Haines
1944	Mountain View Dairies	R. L. Polk & Co.
1939	AMountain View Dairies	Los Angeles Directory Co.
1935	Mountain View Dairies Inc	Los Angeles Directory Co.
1931	Mountain View Dairies Inc	Los Angeles Directory Co.

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1924	Mountain View Dairies Inc	Los Angeles Directory Co.

726 ANAHEIM W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	CALIFORNIA CABINET SHOP	Pacific Bell

727 ANAHEIM W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2000	XXXX	Haines
1995	NIX CHECK CASHING	Pacific Bell
1990	TACO BELL	Pacific Bell
1935	Mc Dowell & Eddy ice cream mfrs	Los Angeles Directory Co.

729 ANAHEIM W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2000	MICROTECH SOLUTIONS	Haines
	WILORCO INC	Haines
	RACK FACTORY	Haines

731 ANAHEIM W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2000	HILL AMMUNITION CORP	Haines
	LONG BCH GARAGE DOOR SERVICES	Haines

732 ANAHEIM W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	CORINAS BEAUTY SHOP	Pacific Bell
1990	NANIES BEAUTY SHOP	Pacific Bell

733 ANAHEIM W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2000	XXXX	Haines
	X SAN FRANCISCO AV	Haines

738 ANAHEIM W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	TACO SINALOA	Pacific Bell
1990	TACO SINALOA	Pacific Bell

FINDINGS

748 ANAHEIM W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1931	Vacant	Los Angeles Directory Co.

750 ANAHEIM W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1944	Black J WV iddrs upp	R. L. Polk & Co.
1939	ABlack J W Co bidrs supp	Los Angeles Directory Co.
1935	Nephi Plaster Co whse	Los Angeles Directory Co.
	Fraser Wm	Los Angeles Directory Co.
	Burrell J E bldg contr	Los Angeles Directory Co.
	Nelson C P washing mac b	Los Angeles Directory Co.
1931	Long Beach Roof Service	Los Angeles Directory Co.

752 ANAHEIM W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1935	Allen W E genl contr	Los Angeles Directory Co.
	Allen A K C notary	Los Angeles Directory Co.
	Ford S L plstr contr	Los Angeles Directory Co.
1931	Allen Adah K C notary	Los Angeles Directory Co.
	Ford S L plstr contr	Los Angeles Directory Co.
	Allen W E geni contr	Los Angeles Directory Co.

764 ANAHEIM W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1924	Crane Co	Los Angeles Directory Co.

801 ANAHEIM W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	AUSTRALIAN BODY CARE & HERBALIFE DISTRIBUTORS	Pacific Bell
	HERBALIFE DISTRIBUTOR	Pacific Bell
1990	LA ESTRELLA MINI MARKET	Pacific Bell

803 ANAHEIM W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1924	G G Charlton hdwd floors	Los Angeles Directory Co.

805 ANAHEIM W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1944	Jtaziynzix Concrete Co	R. L. Polk & Co.
1939	Ellis Paint Co	Los Angeles Directory Co.

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1935	Ellis Paint Co	Los Angeles Directory Co.
1931	Ross G A auto trucks	Los Angeles Directory Co.

807 1/2 ANAHEIM W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	SELLENS DAVID	Pacific Bell
	102 ROMERO FABIAN	Pacific Bell
	103 GUERRERO MIGUEL	Pacific Bell
	104 SANCHEZ JAVIER	Pacific Bell
	110 RENTERIA OTONIEL	Pacific Bell
	114 VELASCO J	Pacific Bell
	117 GONZALEZ EDUARDO	Pacific Bell
	120 GONZALEZ MARTHA	Pacific Bell
	204 GOMEZ DELFINA	Pacific Bell
	121 GOMEZ MARGARITA	Pacific Bell
	120 LARA FRANCISCO	Pacific Bell
	206 GUTIERREZ ALBERTO	Pacific Bell
	207 LOPEZ ENEDINA	Pacific Bell
	218 GUERRERO RICARDO	Pacific Bell
1990	SELLENS DAVID	Pacific Bell

808 ANAHEIM W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	101 LUNA JOSE M	Pacific Bell
	104 RIVERA ROBERTO	Pacific Bell
	106 ANGULO LETICIA	Pacific Bell
	109 GRANILLO CECILIA	Pacific Bell
	112 HERNANDEZ ONOFRE	Pacific Bell
	115 ZAMORA FERNANDO	Pacific Bell
	116 PAYAMS DAMIANA E	Pacific Bell
	119 SANCHEZ JUAN	Pacific Bell
	120 WILMINGTON APARTMENTS	Pacific Bell
	122 MATA ARTURO	Pacific Bell
	201 MONROY FLORIDALMA	Pacific Bell
	202 SANCHEZ EDUARDO	Pacific Bell
	206 GUTIERREZ ALBERTO	Pacific Bell
	207 MARTINEZ MIGUEL A	Pacific Bell
	213 DUARTE SANTIAGO	Pacific Bell
	214 GONZALEZ MARTHA	Pacific Bell

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	218 TOVAR FRANCISCO	Pacific Bell
	221 PINEDA PAUL	Pacific Bell

815 ANAHEIM W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	A-LINE TRANSMISSIONS	Pacific Bell
1990	HEINZ DONALD	Pacific Bell

819 ANAHEIM W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	A LINE TRANSMISSIONS	Pacific Bell
1990	A LINE TRANSMISSIONS	Pacific Bell

823 ANAHEIM W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	C J LIQUOR	Pacific Bell
1990	C J LIQUOR	Pacific Bell

824 ANAHEIM W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1944	I H Paint Co	R. L. Polk & Co.
1939	ACrane Co whol plmbg	Los Angeles Directory Co.
1935	Crane Co plumbing su P	Los Angeles Directory Co.
1931	Crane Co plmbr	Los Angeles Directory Co.

835 ANAHEIM W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	FAUSTO REAL ESTATE	Pacific Bell

841 ANAHEIM W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	VICTOR & JOE IMPORT CAR REPAIR	Pacific Bell
	ANAHEIM THRIFT	Pacific Bell
1990	VICTOR & JOE IMPORT CAR	Pacific Bell
	VICTOR & JOE IMPORT CAR REPAIR	Pacific Bell
	ASP IMPORTS	Pacific Bell
	MOHAYS AUTO	Pacific Bell
	VICTOR & JOE IMPORT CAR	Pacific Bell

FINDINGS

844 ANAHEIM W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1944	ranof Co plumb supp	R. L. Polk & Co.
1939	AAce Van & Stge Co whse	Los Angeles Directory Co.
1935	ANAHEIM WEST Cont	Los Angeles Directory Co.
	Eastside Distributing Co	Los Angeles Directory Co.
1931	Eastside Distributing Co	Los Angeles Directory Co.
1924	F H Friedman	Los Angeles Directory Co.

900 ANAHEIM W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	GOOD BUICK CMC TRUCKS INC	Pacific Bell
1990	GOOD BUICK GMC TRUCKS INC	Pacific Bell

907 ANAHEIM W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	RMS TV & VIDEO SERVICE	Pacific Bell

909 ANAHEIM W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	CORAL REEF	Pacific Bell
1990	CORAL REEF	Pacific Bell
1944	Collins D K vet	R. L. Polk & Co.
1939	ACollins D K vet	Los Angeles Directory Co.
1935	Collins D K vet surg	Los Angeles Directory Co.
1931	Ford J A	Los Angeles Directory Co.

916 ANAHEIM W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1944	owardl Curley Driving ltange	R. L. Polk & Co.
1939	AHoward Curley Driving Range	Los Angeles Directory Co.
1935	Howard H C golf sch	Los Angeles Directory Co.
1931	Long Beach Driving Fairway miniature golf	Los Angeles Directory Co.

921 ANAHEIM W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	GOOD BUICK CMC TRUCKS INC BODY SHOP	Pacific Bell

970 1/2 ANAHEIM W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	ASP IMPORTS	Pacific Bell

FINDINGS

ANAHEIM ST W

702 ANAHEIM ST W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1969	SOFT WATER LAUNDRY & DRY CLEANERS	Pacific Telephone

718 ANAHEIM ST W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1969	ELLIS PAINT CO	Pacific Telephone

724 ANAHEIM ST W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1969	ALMOR DEVELOPMENT CO INC CABLE MFRS	Pacific Telephone

725 ANAHEIM ST W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1969	MOUNTAIN VIEW DAIRIES INC	Pacific Telephone

727 ANAHEIM ST W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1969	MOBIL FACTORS WHSE	Pacific Telephone

729 ANAHEIM ST W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1969	WILORCO INC ELECTRONICS EQUIP	Pacific Telephone

733 ANAHEIM ST W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1969	PAMECO AIRE REFRIGERATION WHOL ONLY	Pacific Telephone

DE FOREST AVE

1150 DE FOREST AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2013	KAIZEN LOGISTIC	Cole Information Services
2008	VITTORIA PRODUCE	Cole Information Services
2006	VITTORIA PRODUCE	Haines Company, Inc.
2000	XXXX	Haines
1985	LUCE E D & SON	Pacific Bell
1980	LUCE E D & SON	Pacific Telephone

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1975	Luce E D & Son	Pacific Telephone
	LUCE E D & SON	Pacific Telephone
1969	LUCE ED & SON PACKING CARTONS	Pacific Telephone
1963	Royal Sis & hlfg Co 11 E	Pacific Telephone

1250 DE FOREST AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1985	Cylinder Fill Plant	Pacific Bell
	AIR PRODUCTS & CHEMICALS INC	Pacific Bell
	ARCAIR CO WELDNG EQUIP	Pacific Bell
1980	ARCAIR CO WELDNG EQUIP	Pacific Telephone
1975	ARCAIR CO WELDNG EQUIP	Pacific Telephone
	Arcair Co weldng equip	Pacific Telephone
1957	PAN PACIFIC FISHERIES INC	Pacific Telephone

OREGON AVE

1200 OREGON AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2008	ARCHITECTURAL CONCRETE SYSTEMS	Cole Information Services
2000	X ANAHEIM W	Haines
	SHELBURNE EQUIPMENT	Haines
	BERG Robert	Haines
1991	ELLIS PAINT CO INC	Pacific Bell
	Hempels Marine Paints	Pacific Bell
1990	ELLIS PAINT CO INC LB	Pacific Bell
1986	ELLIS PAINT CO INC LB	Pacific Bell
1985	ELLIS PAINT CO INC	Pacific Bell
	ELLIS PAINT CO INC	Pacific Bell
	Hempels Marine Paints	Pacific Bell
1980	ELLIS PAINT CO INC	Pacific Telephone
	ELLIS PAINT CO INC	Pacific Telephone
1976	ELLIS PAINT CO INC	Pacific Telephone
1975	ELLIS PAINT CO INC	Pacific Telephone
	ELLIS PAINT CO INC	Pacific Telephone

1305 OREGON AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2000	XXXX	Haines

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1985	Sevenstar Container Line inc NVOCC	Pacific Bell
	Soo Co	Pacific Bell
	SOO CO	Pacific Bell

1313 OREGON AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2000	XXXX	Haines
1985	Sanchez Arthur	Pacific Bell
	SANCHEZ ARTHUR	Pacific Bell

1317 OREGON AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2000	XXXX	Haines
1975	SEARS HOME CLEANING SERVICE	Pacific Telephone
	Service Master Of Long Beach	Pacific Telephone
	Williams Henry R	Pacific Telephone

1329 OREGON AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2013	MAC RENEWAL	Cole Information Services

1331 OREGON AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2008	AMIGO WHOLESALE LONG BEACH	Cole Information Services

1333 OREGON AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2013	M K S INC	Cole Information Services
	FORDON PRECISION GRINDING	Cole Information Services
2008	FORDON INDUSTRIES INC	Cole Information Services
2006	INDUSTRIES FORDONPRCSN	Haines Company, Inc.
	FORDON	Haines Company, Inc.
	GRNDNG	Haines Company, Inc.
2000	FORDON PRCSN GRNDNG	Haines
1991	Fordon Precision Grinding	Pacific Bell
1985	FORDON PRECISION GRINDING	Pacific Bell
	Fordon Precision Grinding	Pacific Bell
1980	FORDON PRECISION GRINDING	Pacific Telephone
	Fordon Precision Grinding	Pacific Telephone
1975	Fordon Precision Grinding	Pacific Telephone

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1975	FORDON PRECISION GRINDING	Pacific Telephone

1337 OREGON AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2013	ABLE LIFT INC	Cole Information Services
1985	Vons Production Machine Shop	Pacific Bell
	VON S PRODUCTION MACHINE SHOP	Pacific Bell
1975	Vons Productions	Pacific Telephone

1368 OREGON AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2000	NOVA TECHNO CORP	Haines
	X 14TH W	Haines
1991	NOVA TECHNO CORP	Pacific Bell
1985	NOVA TECHNO CORP	Pacific Bell
	NOVA TECHNO CORP	Pacific Bell
1980	NOVA TECHNO CORP	Pacific Telephone
	NOVA TECHNO CORP	Pacific Telephone
1975	NOVA TECKNO CORP	Pacific Telephone
	Nova Teckno Corp	Pacific Telephone

S OREGON AVE

1125 1/4 S OREGON AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1957	ROBERTS HARVEY W	Pacific Telephone

1338 S OREGON AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1964	NATL BEARING ANTI-FRICTION CO INC	Pacific Telephone
	NATL ANTI-FRICTION BEARING CO INC	Pacific Telephone
1960	NATL ANTI-FRICTION BEARING CO INC	Pacific Telephone

SAN FRANCISCO AVE

1317 SAN FRANCISCO AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	at Cowles Adohr Milk Farms	Los Angeles Directory Co.
	AL B Janitor Supp	Los Angeles Directory Co.
1942	Branch	Los Angeles Directory Co.

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1939	ABlue Diamond Corp Ltd bldg mratls	Los Angeles Directory Co.
1937	Branch	Los Angeles Directory Co.
1935	Blue Diam Onitud :nrp M 3g	Los Angeles Directory Co.

1320 SAN FRANCISCO AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2000	XXXX	Haines
1991	Long Beach Gas Dept Emergency Service	Pacific Bell
	Long Beach Garage Door Services	Pacific Bell
1985	Long Beach Garage Door Services	Pacific Bell
	Long Beach Gas Dept	Pacific Bell
	LONG BEACH GARAGE DOOR SERVICES	Pacific Bell

1400 SAN FRANCISCO AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1924	City Gas Dept	Los Angeles Directory Co.

1401 SAN FRANCISCO AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1931	City Garage	Los Angeles Directory Co.

1407 SAN FRANCISCO AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1950	LONG BCH CITY OF PUBLIC SERV DEPT	Pacific Telephone

1415 SAN FRANCISCO AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1964	LONG BEACH CITY OF	Pacific Telephone

1444 SAN FRANCISCO AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2013	THE FOOD BANK OF SOUTHERN CALIFORNIA	Cole Information Services
2008	FOODBANK OF SOUTHERN CAL	Cole Information Services
2006	THE FOOD BANK	Haines Company, Inc.
2000	THE FOOD BANK	Haines
	X COWLES W	Haines
1991	Second Harvest Food Bank Of Greater South Bay	Pacific Bell
1985	Long Beach Food Bank	Pacific Bell

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1985	LONG BEACH FOOD BANK	Pacific Bell
1980	BELLFLOWER CITY OF DOLLAR RIDE	Pacific Telephone
	DIAMOND CAB CO	Pacific Telephone
	DOLLAR RIDE	Pacific Telephone
	LONG BEACH AIRPORT TRANSPORTATION	Pacific Telephone
	LONG BEACH SPECIAL SERVICES	Pacific Telephone
	MEDI DIAMOND	Pacific Telephone
	DIAMOND CAB CO	Pacific Telephone
	Dollar Ride	Pacific Telephone
	Diamond Cab	Pacific Telephone
	Long Beach Special Services	Pacific Telephone
	Medi Diamond	Pacific Telephone
	YELLOW CAB CO	Pacific Telephone
1975	YELLOW CAB CO	Pacific Telephone
	DIAMOND CAB CO	Pacific Telephone
	DIAMOND CAB CO	Pacific Telephone
1964	MARKET BENCH CO	Pacific Telephone
1963	Diamond Cab Co HE	Pacific Telephone
	Yellow Cab Co of LB HE	Pacific Telephone
1960	DIAMOND CAB CO	Pacific Telephone

1601 SAN FRANCISCO AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2013	CITY OF LONG BEACH	Cole Information Services
2008	CITY LONG BEACH STREET MAINTENANCE	Cole Information Services

W 12TH

790 W 12TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1986	CALIF GLASS DISTRIBUTORS LONG BEACH	Pacific Bell

840 W 12TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1981	GENERAL ELECTRIC SUPPLY CO LONG BEACH	Pacific Telephone

FINDINGS

901 W 12TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1981	WEBER MACHINE CORP LONG BEACH	Pacific Telephone

950 W 12TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1981	NEVAMAR CORP LONG BEACH	Pacific Telephone

W 12TH ST

725 W 12TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2013	TRADELINK TRANSPORT INC	Cole Information Services
2006	TRADING CO	Haines Company, Inc.
	INDIA OVERSEAS	Haines Company, Inc.
1991	Aldrich Supply Co	Pacific Bell
1985	ALDRICH SUPPLY CO	Pacific Bell
	ALDRICH SUPPLY CO	Pacific Bell
1980	ALDRICH SUPPLY CO	Pacific Telephone
1975	ALDRICH SUPPLY CO	Pacific Telephone
	ALDRICH SUPPLY CO	Pacific Telephone
1964	ALDRICH SUPPLY CO	Pacific Telephone
1963	Aldrich Sup Co plmb HE	Pacific Telephone
1960	ALDRICH SUPPLY CO	Pacific Telephone

740 W 12TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1957	ALDRICH SUPPLY CO	Pacific Telephone
	Aldrich Sup Co plmb sup	Pacific Telephone

790 W 12TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2013	WESTERN STATES GLASS INC	Cole Information Services
2008	WESTERN STATES GLASS INC	Cole Information Services
2006	WESTRN STATES GLASS INC	Haines Company, Inc.
		Haines Company, Inc.
1985	LONG BEACH TEMPERING	Pacific Bell
	CALIFORNIA GLASS DISTRIBUTORS	Pacific Bell
	California Glass Distributors	Pacific Bell
	Long Beach Tempering	Pacific Bell

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1980	CALIFORNIA GLASS DISTRIBUTORS	Pacific Telephone
	California Glass Distributors	Pacific Telephone
	GLASS TEMPERING OF LONG BEACH	Pacific Telephone
	Glass Tempering Of Long Beach	Pacific Telephone
1976	Calif Glass Distributors	Pacific Telephone
1975	CALIFORNIA GLASS DISTRIBUTORS	Pacific Telephone
	California Glass Distributors	Pacific Telephone
1967	California Glass Distrs	Pacific Telephone

825 W 12TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1991	Pac Rim Container Service Inc	Pacific Bell
1985	Allied Commodities Xchange Inc	Pacific Bell
	Golden West Transport	Pacific Bell
	ALLIED COMMODITIES XCHANGE INC	Pacific Bell
	GOLDEN WEST TRANSPORT	Pacific Bell
1980	GOLDEN WEST TRANSPORT	Pacific Telephone
	Golden West Transport	Pacific Telephone

828 W 12TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2013	MARCO POLO EXPORT	Cole Information Services
1985	UNGER LEO & ASSOCIATES INC	Pacific Bell
	Unger Leo & Associates Inc	Pacific Bell
1980	Hayward C Sumner	Pacific Telephone
	HAYWARD C SUMNER	Pacific Telephone
1975	Hayward C Sumner	Pacific Telephone
	HAYWARD C SUMNER	Pacific Telephone
1963	Mercedes Benz Whse HE	Pacific Telephone

838 W 12TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2013	S F ENTERPRISES	Cole Information Services
	PTS WAREHOUSE	Cole Information Services
2008	PREFERRED TRANSPORT SERVICES	Cole Information Services
	S F ENTERPRISES	Cole Information Services
2006	PREFERRED	Haines Company, Inc.
	TRANSPORT S F ENTERPRISES	Haines Company, Inc.
1991	King Breslin Trucking Inc	Pacific Bell

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1991	Pacific V & C Inc	Pacific Bell
	Preferred Transport Systems	Pacific Bell
	Wholesale Leather	Pacific Bell
1985	WORLDWIDE CONSOLIDATORS INC	Pacific Bell
	King Breslin Trucking Inc	Pacific Bell
	Riggs Trucking	Pacific Bell
	Worldwide Consolidators Inc	Pacific Bell
	KING BRESLIN TRUCKING INC	Pacific Bell
	RIGGS TRUCKING	Pacific Bell
1980	DOWMAN PRODUCTS INC	Pacific Telephone
	DOWMAN PRODUCTS INC	Pacific Telephone
1975	Dowman Products Inc	Pacific Telephone
	DOWMAN PRODUCTS INC	Pacific Telephone
1964	MERCEDES-BENZ SALES INS	Pacific Telephone
1963	Mercedes Benz SIs Inc HE	Pacific Telephone
1960	MERCEDES-BENZ SALES INC	Pacific Telephone
1957	Gough Industries Inc A 4 HE	Pacific Telephone

840 W 12TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2013	NEW CENTURY LOGISTICS	Cole Information Services
	LONG BEACH WORLDWIDE SHIPPING	Cole Information Services
	NEW CENTURY TRUCKING INC	Cole Information Services
2008	TANYS CARGO INC	Cole Information Services
2006	SERVICES	Haines Company, Inc.
	WAREHOUSE	Haines Company, Inc.
	TANYSCARGOB	Haines Company, Inc.
1991	Triangle Lines	Pacific Bell
	Red Trolley	Pacific Bell
	Premier Transportation & Warehousing Inc	Pacific Bell
	Kimminau Bros Produce	Pacific Bell
1985	General Electric Supply Co	Pacific Bell
	GENERAL ELECTRIC SUPPLY CO	Pacific Bell
1980	General Electric Supply Co	Pacific Telephone
	GENERAL ELECTRIC SUPPLY CO	Pacific Telephone
1976	General Electric Supply Co	Pacific Telephone
1975	GENERAL ELECTRIC SUPPLY CO	Pacific Telephone
	General Electric Supply Co	Pacific Telephone

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1964	GENERAL ELEC SUPPLY CO	Pacific Telephone
1963	Genl Elec Sup Co HE	Pacific Telephone
1960	GENERAL ELEC SUPPLY CO	Pacific Telephone
1957	GENERAL ELEC SUPPLY CO	Pacific Telephone
	Gen EBllec Sup Co he	Pacific Telephone

849 W 12TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1980	Fiedler Precision Machine Shop	Pacific Telephone
1975	FIEDLER PRECISION MACHINE SHOP	Pacific Telephone
1963	Vacant	Pacific Telephone
1960	KING S OFC SUPPLY & EQUIPT CO	Pacific Telephone
1957	Vacant	Pacific Telephone

901 W 12TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2013	AIR PRODUCTS & CHEMICALS INC	Cole Information Services
2008	AIR PRODUCTS & CHMCLS INC	Cole Information Services
2006	CHEMICALS	Haines Company, Inc.
	AIR PRODUCTS&	Haines Company, Inc.
1991	Cylinder Fill Plant	Pacific Bell
1985	WEBER MACHINE INC	Pacific Bell
	Weber Machine Inc	Pacific Bell
1980	Weber Machine Inc	Pacific Telephone
1976	Weber Machine Corp	Pacific Telephone
1975	Weber Machine Inc	Pacific Telephone
1967	ARMCO STEEL CORPORATION	Pacific Telephone
	Natl Supply Div Oilfield Sales	Pacific Telephone
1964	WESTINGHOUSE ELECTRIC SUPPLY CO	Pacific Telephone
1963	Westinghouse Elec Sup Co HE	Pacific Telephone
1960	WESTINGHOUSE ELECTRIC SUPPLY CO	Pacific Telephone
1958	Westinghouse Electric Supply Co	Pacific Telephone
1957	WESTINGHOUSE ELECTRIC SUPPLY CO	Pacific Telephone
	Westinghouse Elec Sup Col ARE	Pacific Telephone

909 W 12TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1980	F D Tooling	Pacific Telephone

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1980	F D TOOLING	Pacific Telephone
1975	F D TOOLING	Pacific Telephone
	F D Tooling	Pacific Telephone

950 W 12TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2013	GULF MARINE & INDUSTRIAL SUPPLIES	Cole Information Services
2006	SUPPLY	Haines Company, Inc.
	SOUTHLAND SHIPS	Haines Company, Inc.
1991	Lizette Creations Inc	Pacific Bell
1985	Lizette Creations Inc	Pacific Bell
	T & G Enterprises	Pacific Bell
	LIZETTE CREATIONS INC	Pacific Bell
1980	NEVAMAR CORP	Pacific Telephone
	NEVAMAR CORP	Pacific Telephone
	Nevamar Corp	Pacific Telephone
1976	Exxon Chemical Company U S A	Pacific Telephone
	Exxon Chemical Company USA	Pacific Telephone
1975	EXXON CHEMICAL CO Nevamar Div	Pacific Telephone
	EXXON COMPANY USA	Pacific Telephone
	Nevamar Div	Pacific Telephone
	Nevamar Carefree Kitchens	Pacific Telephone
	EXXON COMPANY U S A	Pacific Telephone
	NEVAMAR CAREFREE KITCHENS	Pacific Telephone
1970	ENJAY FIBERS & LAMINATES CO	Pacific Telephone
	ENJAY FIBERS & LAMINATES CO	Pacific Telephone
	ENJAY FIBERS & LAMINATES CO	Pacific Telephone
1967	MEVAMAR CO THE	Pacific Telephone
	Nevamar Carefree Kitchens	Pacific Telephone
1964	NEVAMAR CAREFREE KITCHENS	Pacific Telephone
	NEVAMAR CO THE	Pacific Telephone
1963	Natl Plastic Products Co whol HE	Pacific Telephone
1960	NATL PLASTIC PRODUCTS CO	Pacific Telephone
	NEVAMAR CAREFREE KITCHENS	Pacific Telephone

FINDINGS

W 14TH

692 W 14TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1924	Moss Albt J wharfmn h	Los Angeles Directory Co.

694 W 14TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1924	Olstyn Agnes Mrs h	Los Angeles Directory Co.
	RAINES Gladys clk Harbor Wholesale Fruit & Produce Co r	Los Angeles Directory Co.

696 W 14TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1924	NEILSEN Geo G U S N h	Los Angeles Directory Co.

698 W 14TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1929	Bauer Carl R r	Los Angeles Directory Co.
1924	Lovelady Clyde C U S N h	Los Angeles Directory Co.

721 W 14TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1929	Joncich Louis r	Los Angeles Directory Co.

728 W 14TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1924	HORTON Jack h	Los Angeles Directory Co.
	Mc KEAN Thos r	Los Angeles Directory Co.

734 W 14TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1929	Purdy OJ r	Los Angeles Directory Co.
1924	Moss Hildred r	Los Angeles Directory Co.
	Moss Henry R rest h	Los Angeles Directory Co.

737 W 14TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1924	CLINE Harry E r	Los Angeles Directory Co.
	CLINE Harry E jr r	Los Angeles Directory Co.
	Hertel Clarence carp r	Los Angeles Directory Co.
	Hinze Bernard M h	Los Angeles Directory Co.

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1924	Hinze Lucretia Mrs boarding	Los Angeles Directory Co.
	HOUCK Fred r	Los Angeles Directory Co.
	Vik Peter seamn r	Los Angeles Directory Co.
	Voight Chas r	Los Angeles Directory Co.
740 W 14TH		
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1929	Riepe A R r	Los Angeles Directory Co.
752 W 14TH		
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1924	r	Los Angeles Directory Co.
753 W 14TH		
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1929	Johanson H A Capt r	Los Angeles Directory Co.
760 W 14TH		
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1924	ORR Margt wid David r	Los Angeles Directory Co.
	ORR David carp h	Los Angeles Directory Co.
761 W 14TH		
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1924	Tempio Carl H U S N h	Los Angeles Directory Co.
772 W 14TH		
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1924	PAPPAS Geo lab h	Los Angeles Directory Co.
773 W 14TH		
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1929	MULLER Ulrich C firemn LAFD	Los Angeles Directory Co.
	ROGERS Kenneth R firemn LAFD r	Los Angeles Directory Co.
1924	Uhlin Earl R mach h	Los Angeles Directory Co.
775 W 14TH		
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1937	Fer Ernest firemn LAFD	Los Angeles Directory Co.
1924	Baldwin Earl F firemn L A F D r	Los Angeles Directory Co.
	Louderback Gilbert foremn h	Los Angeles Directory Co.

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1924	BALDWIN Martha E wid Fredk h	Los Angeles Directory Co.
778 W 14TH		
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1924	Iacone Frank fish clnr Independent Fish Co h	Los Angeles Directory Co.
	Boccanfuso Vincent lab r	Los Angeles Directory Co.
809 W 14TH		
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1933	Vadima Jos Marie waiter	Los Angeles Directory Co.
812 W 14TH		
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1924	Dolman Nana slswmn r	Los Angeles Directory Co.
822 W 14TH		
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1929	Markey C E Jr r	Los Angeles Directory Co.
823 W 14TH		
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1924	GORDON Henry h	Los Angeles Directory Co.
826 W 14TH		
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1929	Schmlssrauter J M r	Los Angeles Directory Co.
832 W 14TH		
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1924	Carcich Andw fishermn h	Los Angeles Directory Co.
834 W 14TH		
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1924	Orlando Paulo lab h	Los Angeles Directory Co.
840 W 14TH		
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1929	Franetovich Steve r	Los Angeles Directory Co.

FINDINGS

843 W 14TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1929	De Varny C H r	Los Angeles Directory Co.
1924	GORDON Howard student r	Los Angeles Directory Co.

850 W 14TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1929	YOUNG Bert B Helen h	Los Angeles Directory Co.

853 W 14TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1924	Illsley Milledge U S N h	Los Angeles Directory Co.

917 W 14TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1924	Redd Jas B jr title writer r	Los Angeles Directory Co.

927 W 14TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1929	HANSEN Jens O firemn LAFD	Los Angeles Directory Co.

937 W 14TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1937	Moss Clarence H clk	Los Angeles Directory Co.

965 W 14TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1929	Rosvold Nels r	Los Angeles Directory Co.

972 W 14TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1929	Butch Elmer A r	Los Angeles Directory Co.
1924	BURCH Gladys Mrs slswmn T V Harthorn r	Los Angeles Directory Co.

W 14TH AVE

925 W 14TH AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1960	Keeley Bob	General Telephone Company Publishers

FINDINGS

W 14TH ST

694 W 14TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1975	PERICA ANTON JOHN SAN PEDRO	Pacific Telephone

700 W 14TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1975	Nalco Chemical Co	Pacific Telephone
	NALCO CHEMICAL CO	Pacific Telephone

702 W 14TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Paige E H Mrs	Los Angeles Directory Co.

703 W 14TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1963	Fire Equip & Sup Co BE	Pacific Telephone
1957	Fire Equip & Sups	Pacific Telephone
1954	PETTIFER CHAS W CONTR	R. L. Polk & Co.
1952	Pettifer C W gen contr	Los Angeles Directory Co.
1950	PETTIFER CHAS W CONTN	Pacific Telephone
	PETTIFER CHAS W CONTN	Pacific Telephone
1948	Apettifer C W geni contr	Los Angeles Directory Co.

704 W 14TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2013	KENS PLUMBING	Cole Information Services
2008	KENS PLUMBING INC	Cole Information Services
2006	KENS PLUMBING	Haines Company, Inc.
1975	Donahues Body Shop	Pacific Telephone

707 W 14TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1957	Vacant	Pacific Telephone
1952	Vacant	Los Angeles Directory Co.
1948	Sawyer H E	Los Angeles Directory Co.

708 W 14TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2013	LOOK GRAPHICS	Cole Information Services

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	WERTZ William	Haines Company, Inc.
1991	Albertson Tire Co	Pacific Bell
1985	ALBERTSON TIRE CO	Pacific Bell
	Albertson Tire Co	Pacific Bell
1980	Jerrys Auto Repair	Pacific Telephone
	JERRY S AUTO REPAIR	Pacific Telephone
1975	JERRY S AUTO REPAIR	Pacific Telephone
	Jerrys Auto Repair	Pacific Telephone

712 W 14TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1991	KENS PLUMBING	Pacific Bell
1985	Kens Plumbing	Pacific Bell
	KEN S PLUMBING	Pacific Bell
1975	Bishops Lighting Maintenance Co	Pacific Telephone
	BISHOP S LIGHTING MAINTENANCE CO	Pacific Telephone

715 W 14TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1963	Vacant	Pacific Telephone

716 W 14TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2013	MULDOON MARINE SERVICES	Cole Information Services
2008	MULDOON MARINE SERVICE INC	Cole Information Services
2006	MULDOON MARINE	Haines Company, Inc.
1980	ENVIRONMENTAL SERVICES DIVISION	Pacific Telephone
	ENVIRONMENTAL SERVICES DIVISION LONG BEACH	Pacific Telephone
1975	ENVIRONMENTAL SERVICES DIVISION	Pacific Telephone
	ENVIRONMENTAL SERVICES DIVISION	Pacific Telephone

717 W 14TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2008	LOOK GRAPHICS	Cole Information Services
1991	Chew W F Enterprises elctrnc equip	Pacific Bell
1985	Chew W F Enterprises elctrnc equip	Pacific Bell
	CHEW W F ENTERPRISES ELCTRNC EQUIP	Pacific Bell
1980	Chew W F Enterprises elctrnc equip	Pacific Telephone

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1980	CHEW W F ENTERPRISES ELCTRNC EQUIP	Pacific Telephone
1975	Chew W F Enterprises elctrnc equip	Pacific Telephone
	CHEW W F ENTERPRISES ELCTRNC EQUIP	Pacific Telephone

720 W 14TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2013	TECHNICAL ARTISAN SERVICES	Cole Information Services
2008	JAMES KOVACICH	Cole Information Services
	TECHNICAL ARTISM SERVICES	Cole Information Services
2006	ARTISAN	Haines Company, Inc.
	TECHNICAL	Haines Company, Inc.
1991	Technical Artisan Svcs	Pacific Bell
1975	ORIENT ENTERPRISES CO	Pacific Telephone
	Orient Enterprises Co	Pacific Telephone

721 W 14TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	GROUP	Haines Company, Inc.
	CONSTRUCTION	Haines Company, Inc.
	FOSTER	Haines Company, Inc.
1991	WALTS MOVING & STORAGE	Pacific Bell
1985	WALTS MOVING & STORAGE	Pacific Bell
	WALT S MOVING & STORAGE	Pacific Bell
1980	WALTS MOVING & STORAGE	Pacific Telephone
	WALTS MOVING & STORAGE	Pacific Telephone
1975	WALTS MOVING & STORAGE	Pacific Telephone
	WALTS MOVING & STORAGE	Pacific Telephone

723 W 14TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2013	STARS DANCEWEAR	Cole Information Services
2008	PARTS HAUS	Cole Information Services
2006	PARTS HAUS THE	Haines Company, Inc.
1991	Controls Unlimited	Pacific Bell

724 W 14TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1991	Paul Arthur J Construction Management Co	Pacific Bell

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1985	PAUL ARTHUR J CONSTRUCTION MGT CO	Pacific Bell
	Paul Arthur J Construction Mgt Co	Pacific Bell
1980	Orient Enterprises Co	Pacific Telephone
	ORIENT ENTERPRISES CO	Pacific Telephone
1975	Silent Sentry Inc	Pacific Telephone

725 W 14TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1985	D & L Cabinets	Pacific Bell
	D & L CABINETS	Pacific Bell
1980	Wahls Welding	Pacific Telephone

727 W 14TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1991	Sperry Marine Inc	Pacific Bell
1985	SPERRY MARINE SYSTEMS Division Sperry Corp Marine Service	Pacific Bell
	SPERRY MARINE SYSTEMS DIVISION SPERRY CORP MARINE SERVICE	Pacific Bell
1980	SPERRY MARINE SYSTEMS Division Sperry Corp Marine Service	Pacific Telephone
1975	SPERRY MARINE SYSTEMS DIVISION SPERRY RAND CORP Marine Service	Pacific Telephone

728 W 14TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1980	HOUCHS PROCESS STRIPPING CENTER	Pacific Telephone
	PETERSONS FURNITURE	Pacific Telephone
	PETERSONS FURNITURE	Pacific Telephone
	Houchs Process Stripping Center	Pacific Telephone

732 W 14TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1985	PIPE SHOPPE THE	Pacific Bell
	Pipe Shoppe The	Pacific Bell
1980	Pipe Shoppe The	Pacific Telephone
	PIPE SHOPPE THE	Pacific Telephone

FINDINGS

733 W 14TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2013	METROPOLITAN CHEMICAL CO	Cole Information Services
2008	METROPOLITAN CHEMICAL CO	Cole Information Services
2006	METRO CHEMICAL	Haines Company, Inc.
1991	AAA Mobile Home Contractors	Pacific Bell
1985	AAA MOBILE HOME CONTRACTORS LONG BEACH	Pacific Bell
	AAA Mobile Home Contractors	Pacific Bell
1980	AAA Mobile Home Contractors	Pacific Telephone
	AAA MOBILE HOME CONTRACTORS	Pacific Telephone
1975	BOLTZ-KUZIO MARINE	Pacific Telephone
	GADCO-ISP INC	Pacific Telephone
	GILLESPIE DON INC	Pacific Telephone
	METROPOLITAN CHEMICAL CO	Pacific Telephone
	Boltz Kuzio Marine	Pacific Telephone
	GADCO ISP INC	Pacific Telephone
	Gillespie Don Inc	Pacific Telephone
	Metropolitan Chemical Co	Pacific Telephone
1964	VIETHER KLAUS GENERAL CONTRACTOR LONG BEACH	Pacific Telephone
	ALL STATE ELECTRIC CO	Pacific Telephone
1963	Duff Sam M Co geni contr TE	Pacific Telephone
1960	DUFF SAM M CO CONTR	Pacific Telephone
1957	DUFF SAM M CONTR	Pacific Telephone
	DUFF SAM M CONTR	Pacific Telephone
	Duff Saml M geni contr j: he	Pacific Telephone
1954	DUFF SAM M CONTR	R. L. Polk & Co.
	FLAMER ERIK IMBR	R. L. Polk & Co.
1952	Duff S M contr	Los Angeles Directory Co.
1950	A DFLFFSAM M CONTR	Pacific Telephone
	GREENBERG ELEC	Pacific Telephone
	STACY WINCHESTER CONTR	Pacific Telephone
1948	Duff S N geni contr	Los Angeles Directory Co.

736 W 14TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1975	ORANGE EMPIRE CO OP	Pacific Telephone
	Lewis Alfred M Inc	Pacific Telephone
	Orange Empire Co Op	Pacific Telephone

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1975	LEWIS ALFRED M INC	Pacific Telephone

740 W 14TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2013	PEYTCHEV KOSTA	Cole Information Services
2008	TOMMYS AUTO SERVICE	Cole Information Services
	PEYTECH	Cole Information Services
2006	SERVICE	Haines Company, Inc.
	SERVICE TOMMYSAUTO	Haines Company, Inc.
	TOMMYSAUTO	Haines Company, Inc.
	PEYTCHEVKOSTA	Haines Company, Inc.
1991	TOMMYS AUTO SERVICE	Pacific Bell
1985	TOMMY S AUTO SERVICE	Pacific Bell
	TOMMYS AUTO SERVICE	Pacific Bell
1980	Davis Joseph	Pacific Telephone
	DAVIS JOSEPH	Pacific Telephone
1964	RIEPE A R SAN PEDRO	Pacific Telephone

744 W 14TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2013	METRO PLYWOOD & HARDWARE	Cole Information Services
2008	TNN FASHION	Cole Information Services
1985	Gemini Marine Repair	Pacific Bell
	GEMINI MARINE REPAIR	Pacific Bell
1980	K D Coleman	Pacific Telephone
	K D COLEMAN	Pacific Telephone
1975	Page Moving & Storage	Pacific Telephone
	PAGE MOVING & STORAGE	Pacific Telephone

745 W 14TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1964	WESSON C E SAN PEDRO	Pacific Telephone
1957	FORD S L PLASTRNG CO	Pacific Telephone
	Ford S L Plastering Co he	Pacific Telephone
	tersects	Pacific Telephone
1954	FORD S L PLASTRNG CO	R. L. Polk & Co.
1952	Ford Plastering Co	Los Angeles Directory Co.
	sects	Los Angeles Directory Co.
1950	FORD S L PLASTMRG CO	Pacific Telephone

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Ford Plastering Co	Los Angeles Directory Co.
	14TH WEST Contd	Los Angeles Directory Co.
	AMoxley M L geni contr	Los Angeles Directory Co.

746 W 14TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1980	MILLER MARK SAN PEDRO	Pacific Telephone

760 W 14TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1980	LOGRASSO PASQUALE SAN PEDRO	Pacific Telephone

7751/2 W 14TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1957	DEVENPORT EUGENE	Pacific Telephone

7791/2 W 14TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1957	HIGBY LENA M	Pacific Telephone
1954	HIGBY LENA M R	R. L. Polk & Co.

782 W 14TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1964	PONCE ARTURO JR SAN PEDRO	Pacific Telephone
	PONCE RACHELE SAN PEDRO	Pacific Telephone

785 W 14TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1980	MINKE LOS L SAN PEDRO	Pacific Telephone

800 W 14TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2008	W & O SUPPLY INC	Cole Information Services
2006	W& O SUPPLY INC	Haines Company, Inc.
1991	W & O Supply Inc	Pacific Bell
1985	W & O SUPPLY INC	Pacific Bell
	W & O Supply Inc	Pacific Bell
1980	CLARKE MECHANICAL INC	Pacific Telephone
	CLARKE MECHANICAL INC	Pacific Telephone

FINDINGS

801 W 14TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	TR OIL SERVICES	Haines Company, Inc.
1991	Technical Service Co	Pacific Bell
1985	Technical Service Co	Pacific Bell
	TECHNICAL SERVICE CO	Pacific Bell
1980	Technical Service Co	Pacific Telephone
1975	Technical Service Co	Pacific Telephone
1963	Kuster Elce Co elc contrs HB	Pacific Telephone
1960	KUSTER ELECTRIC CO	Pacific Telephone
1957	Kuster Elec Co constr yd	Pacific Telephone

804 W 14TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2008	RIO WINDOW FASHIONS	Cole Information Services
	INNOVATION WINDOW COVERINGS	Cole Information Services
2006	FAR EAST MARINE	Haines Company, Inc.
	SUPPLIES	Haines Company, Inc.
1991	Far East Marine Supplies	Pacific Bell
1985	Far East Marine Supplies	Pacific Bell
	FAR EAST MARINE SUPPLIES	Pacific Bell
1980	FAR EAST MARINE SUPPLIES	Pacific Telephone
	FAR EAST MARINE SUPPLIES	Pacific Telephone

806 W 14TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2013	L W HYDRAULIC SERVICES LLC	Cole Information Services
2008	HYDRAULIC & AUTOMATION CONTROLS	Cole Information Services
2006	HYDRAULIC	Haines Company, Inc.
	ATMTN CNTRLs INC	Haines Company, Inc.
1985	MAG-TROL LONG BEACH INC	Pacific Bell
	MAGTROL ELEC SUPLS	Pacific Bell
	Mag Trol Long Beach Inc elec supls	Pacific Bell
	Magtrol elec supls	Pacific Bell
	MAG-TROL LONG BEACH INC ELEC SUPIS	Pacific Bell
1980	Halfhill Co The	Pacific Telephone
	South Pac Canning Co	Pacific Telephone
	HALFHILL CO THE	Pacific Telephone
	South Coast Fisheries Co	Pacific Telephone

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1975	Halfhill Co The	Pacific Telephone
	South Coast Fisheries Co	Pacific Telephone
	South Pac Canning Co	Pacific Telephone
	HALFHILL CO THE	Pacific Telephone

837 W 14TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1964	NELSON OLGA A	Pacific Telephone

840 W 14TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1964	ANTICH MARIO SAN PEDRO	Pacific Telephone
1950	RSAN PEDRO	Pacific Telephone

845 W 14TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1964	HARRYS REPAIR IMPS-REPRNG	Pacific Telephone

901 W 14TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1950	LONG BCH CITY OF PUBLIC SERV DEPT	Pacific Telephone

935 W 14TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1964	ANTOLA AINA SAN PEDRO	Pacific Telephone

956 W 14TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1964	TUBEROSI JOHN SAN PEDRO	Pacific Telephone

964 W 14TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1975	FRENCH DAVID A REV	Pacific Telephone

965 W 14TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1964	PAULSEN JOYCE SAN PEDRO	Pacific Telephone

FINDINGS

W ANAHEIM

701 W ANAHEIM

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	KING BEARING INC LONG BEACH	Pacific Bell
	KING BEARING INC LOS ANGELES	Pacific Bell
1986	KING BEARING INC LONG BEACH	Pacific Bell
	KING BEARING INC LOS ANGELES	Pacific Bell

727 W ANAHEIM

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	WILORCO INC LONG BEACH	Pacific Bell

W ANAHEIM AVE

803 W ANAHEIM AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1924	OLMSTEAD Palmer steelmn r	Los Angeles Directory Co.

W ANAHEIM ST

1010 W ANAHEIM ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1954	WILMINGTON RANCH MKT	R. L. Polk & Co.

1128 W ANAHEIM ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1960	VETERANS OF FOREIGN WARS WILMINGTON POST 2967	Pacific Telephone
1957	VETERANS OF FOREIGN WARS	Pacific Telephone
1954	VETERANS OF FOREIQN WARS LONG BEACH	R. L. Polk & Co.
1950	VETERANS OF FOREIGN WARS	Pacific Telephone

1131 W ANAHEIM ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1964	RAFFLES THE WILMINGTON	Pacific Telephone
1960	RAFFLES WILMINGTON	Pacific Telephone

701 W ANAHEIM ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2013	APPLIED INDUSTRIAL TECHNOLOGIES	Cole Information Services

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2008	APPLIED INDUSTRY TECH CA LLC	Cole Information Services
2006	TECHNOLOGY	Haines Company, Inc.
	INDUSTRIAL	Haines Company, Inc.
	APPLIED	Haines Company, Inc.
1991	King Bearing Inc	Pacific Bell
1985	KING BEARING INC	Pacific Bell
	King Bearing Inc	Pacific Bell
1980	King Bearing Inc	Pacific Telephone
	KING BEARING INC	Pacific Telephone
1976	Long Beach	Pacific Telephone
	KING BEARING INC	Pacific Telephone
1975	KING BEARING INC	Pacific Telephone
	KING BEARING INC	Pacific Telephone

702 W ANAHEIM ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1954	SOFT WATER LAUNDRY & DRY CLNRS	R. L. Polk & Co.
	WHITE CLNRS & LAUNDERERS	R. L. Polk & Co.
1950	SOFT WATER LAUNDRY & DRY CINRS	Pacific Telephone
	WHITE CIURS & LAUNDERERS	Pacific Telephone

705 W ANAHEIM ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2013	MAGTROL LONG BEACH INC	Cole Information Services
2008	MAG TROL LONG BEACH INC	Cole Information Services
2006	MAG TROL LONG	Haines Company, Inc.
	BCHINC	Haines Company, Inc.
1975	Valley Industrial Supply Co Inc	Pacific Telephone

710 W ANAHEIM ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1964	SELF-SERV LAUNDERETTE WILMINGTON	Pacific Telephone

713 W ANAHEIM ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1960	SPEED WAY AUTO PARTS	Pacific Telephone

FINDINGS

715 W ANAHEIM ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2013	AMIGOS WHOLESale	Cole Information Services
1991	Amigos Wholesale	Pacific Bell
1985	PAN-OCEAN LNC	Pacific Bell
	Pan Ocean Inc	Pacific Bell
1980	PAN OCEAN INC	Pacific Telephone
	PAN OCEAN INC	Pacific Telephone
1975	PAN OCEAN INC LONG BEACH	Pacific Telephone
	PAN OCEAN INC	Pacific Telephone

718 W ANAHEIM ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2013	WEST COAST CHOPPERS INC	Cole Information Services
2006	WESTCST	Haines Company, Inc.
	CHOPPERS	Haines Company, Inc.
1991	AAPI Austral Auto Parts International Inc	Pacific Bell
	Austral Auto Parts International Inc	Pacific Bell
	Austral Auto Parts International Inc	Pacific Bell
1985	AAPI-AUSTRAL AUTO PARTS INTERNATIONAL INC LONG BEACH	Pacific Bell
	AUSTRAL AUTO PARTS INTERNATIONAL INC	Pacific Bell
	AAPI AUSTRAL AUTO PARTS INTERNATIONAL INC	Pacific Bell
	AUSTRAL AUTO PARTS INTERNATIONAL INC	Pacific Bell
1980	Spencer Equipment Co	Pacific Telephone
1964	ELLIS PAINT COMPANY INC	Pacific Telephone
1963	Ellis Paint Co Inc 11 E	Pacific Telephone
1960	ELLIS PAINT CO	Pacific Telephone
1957	ELLIS PAINT CO	Pacific Telephone
	Ellis Paint Co AIIE	Pacific Telephone
1954	ELLIS PAINT CO	R. L. Polk & Co.
1952	Ellis Paint Co	Los Angeles Directory Co.
1950	ELLIS PAINT CO	Pacific Telephone

718 1/2 W ANAHEIM ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1964	SEJA ERINEO WILMINGTON	Pacific Telephone

FINDINGS

7181/2 W ANAHEIM ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1957	DROPE ALVIN L	Pacific Telephone
1954	MATTHEWS VERNA	R. L. Polk & Co.

720 W ANAHEIM ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1952	Vacant	Los Angeles Directory Co.
1948	ARaymond Lmbr Co ASmith R A ofc	Los Angeles Directory Co.

722 W ANAHEIM ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1980	ESPARZA BENITO H NOTRY PUB WILMINGTON	Pacific Telephone
1964	ANAHEIM BOOKKEEPING TAX SERV WILMINGTON	Pacific Telephone

724 W ANAHEIM ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1991	Sheldons Machine Shop	Pacific Bell
	International Marine Engineering Inc	Pacific Bell
1985	Fuller Security Services	Pacific Bell
	Kings Key Finders Inc	Pacific Bell
	Hansted Corp	Pacific Bell
	Fuller Alvan L & Associates	Pacific Bell
	Fuller & Fuller Inc	Pacific Bell
	KINGS KEY FINDERS INC	Pacific Bell
	HANSTED CORP	Pacific Bell
	FULLER SECURITY SERVICES	Pacific Bell
	FULLER & FULLER INC	Pacific Bell
	FULLER ALVAN L & ASSOCIATES	Pacific Bell
1980	HANSTED CORP	Pacific Telephone
	Hansted Corp	Pacific Telephone
1975	Rahm Engineering	Pacific Telephone
1964	ALMOR DEVELOPMENT CO INC ELECTRNC EQ LONG BEACH	Pacific Telephone
1963	Decorama Serv of LB int dec lIf 0731	Pacific Telephone
1957	CRANE CO	Pacific Telephone
	Crane Co p 1mb sup AHIE	Pacific Telephone
1954	CRANE CO	R. L. Polk & Co.

FINDINGS

725 W ANAHEIM ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2013	MOUNTAIN VIEW REALTY	Cole Information Services
	BECHLER CORP	Cole Information Services
2006	MOUNTAIN VIEW	Haines Company, Inc.
	AMIGOS	Haines Company, Inc.
	WHOLESALE	Haines Company, Inc.
	BECHLER CORP	Haines Company, Inc.
	MOUNTAINVIEW	Haines Company, Inc.
	DAIRIES INC	Haines Company, Inc.
1991	Amigos Wholesale	Pacific Bell
	Bechler Corp	Pacific Bell
	Mountain View Realty	Pacific Bell
1985	BECHLER CORP	Pacific Bell
	MOUNTAIN VIEW DAIRIES INC	Pacific Bell
	MOUNTAIN VIEW REALTY	Pacific Bell
	BECHLER CORP	Pacific Bell
	MOUNTAIN VIEW DAIRIES INC	Pacific Bell
	Mountain View Realty	Pacific Bell
1980	BECHLER CORP	Pacific Telephone
	MOUNTAIN VIEW DAIRIES INC	Pacific Telephone
	MOUNTAIN VIEW REALTY	Pacific Telephone
	BECHLER CORP	Pacific Telephone
	Ofc	Pacific Telephone
	Mountain View Realty	Pacific Telephone
1975	BECHLER CORP	Pacific Telephone
	MOUNTAIN VIEW DAIRIES INC OFC	Pacific Telephone
	BECHLER CORP	Pacific Telephone
	Ofc	Pacific Telephone
1970	MOUNTAIN VIEW DAIRIES INC OFC	Pacific Telephone
1964	MOUNTAIN VIEW DAIRIES INC OFC	Pacific Telephone
	PARK PANTRY CAFETERIA	Pacific Telephone
1963	Mountain View Dairies Inc 1 E	Pacific Telephone
1960	MOUNTAIN VIEW DAIRIES INC OFC	Pacific Telephone
	RILEY S CAFETERIA	Pacific Telephone
1957	Mountain View Dairies Inc he	Pacific Telephone
	MOUNTAIN VIEW DAIRIES	Pacific Telephone
	RILEY S CAFETERIA	Pacific Telephone
1954	MOUNTAIN VIEW DAIRIES INC	R. L. Polk & Co.

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1954	RILEY S CAFETERIA	R. L. Polk & Co.
1952	Mountain View Dairies ofc	Los Angeles Directory Co.
1950	BILGE CLUB	Pacific Telephone
	MOUNTAIN VIEW DAIRIES INC	Pacific Telephone
	WEISS CAFE	Pacific Telephone
1948	AMountain View Dairies ofc	Los Angeles Directory Co.
	AWeiss I I restr	Los Angeles Directory Co.

727 W ANAHEIM ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1980	Story Machinery & Supply	Pacific Telephone
	Story Ed Inc	Pacific Telephone
1963	Rileys Cafeteria restr	Pacific Telephone
1957	Rileys Cafeteria A 11 E	Pacific Telephone

729 W ANAHEIM ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2013	STRIKE TECHNOLOGY INC	Cole Information Services
2008	STRIKE TECHNOLOGY INC	Cole Information Services
	RACK FACTORY INC	Cole Information Services
2006	RIO WINDOW	Haines Company, Inc.
	RACK FACTORY	Haines Company, Inc.
	FASHIONS WILORCDODIV	Haines Company, Inc.
1991	Wilorco Inc	Pacific Bell
	South Pacific House California	Pacific Bell
	Rattan Arts	Pacific Bell
	Rack Factory motrcycls	Pacific Bell
1985	RACK FACTORY MOTRCYLS	Pacific Bell
	WILORCO INC	Pacific Bell
	SOUTH PACIFIC HOUSE CALIFORNIA	Pacific Bell
	Wilorco Inc	Pacific Bell
	South Pacific House California	Pacific Bell
	Rack Factory motrcyls	Pacific Bell
1980	Wilorco Inc	Pacific Telephone
	South Pacific House California	Pacific Telephone
	Rack Factory motrcyls	Pacific Telephone
1976	Wilorco Inc	Pacific Telephone
1975	Wilorco Inc	Pacific Telephone
	South Pacific House California Inc	Pacific Telephone

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1975	Rack Factory motrcyls	Pacific Telephone
1964	WILORCO INC	Pacific Telephone

731 W ANAHEIM ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2013	PARTS HAUS THE	Cole Information Services
2006	LONG BCH GARAGE	Haines Company, Inc.
	DOOR SERVICES	Haines Company, Inc.

733 W ANAHEIM ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2013	HARBOR CUSTOM CANVAS	Cole Information Services
2008	LONG BEACH GARAGE DOOR	Cole Information Services
	HARBOR CUSTOM CANVAS	Cole Information Services
2006	CANVAS	Haines Company, Inc.
	HARBOR CSTM	Haines Company, Inc.
1991	Pameco Aire	Pacific Bell
1985	PAMECO-AIRE	Pacific Bell
	Pameco Aire	Pacific Bell
1980	PAMECO AIRE	Pacific Telephone
	PAMECO AIRE	Pacific Telephone
1975	PAMECO AIRE	Pacific Telephone
	PAMECO AIRE	Pacific Telephone
1970	PAMECO AIRE REFRIGTN EQUIP	Pacific Telephone
1964	PAMECO-AIRE DIV OF PACIFIC METALS REFRIGTN EQUIP	Pacific Telephone

740 W ANAHEIM ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	VACUUM	Haines Company, Inc.
	MACHINE	Haines Company, Inc.
	I & M SEWING	Haines Company, Inc.

750 W ANAHEIM ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1952	Aldrich Sup Co plmbg sups	Los Angeles Directory Co.
1950	ALEDRLCH SUPPLY CO	Pacific Telephone
	BLACK J W CO BLDG MTRLS	Pacific Telephone
1948	ABlack S W Co bldrs suppe	Los Angeles Directory Co.
	AAldrich F B plmbg sup	Los Angeles Directory Co.

FINDINGS

805 W ANAHEIM ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Ellis Paint Co	Los Angeles Directory Co.

810 W ANAHEIM ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1960	GOLDEN CROWN MOTORS	Pacific Telephone

824 W ANAHEIM ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1957	sects	Pacific Telephone
	Inc of Calif be	Pacific Telephone
	Smyth Van & Storage Co	Pacific Telephone
1952	Crane Co plmbg supps	Los Angeles Directory Co.
1950	CRANE CO	Pacific Telephone
1948	ACrane Co plmbg supps	Los Angeles Directory Co.

828 W ANAHEIM ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1964	SWENSON T R GENERAL AUTO FINANCE WILMINGTON	Pacific Telephone
1952	Blake Moffitt & Towne paper	Los Angeles Directory Co.
1950	BLAKE MOFFITT & TOWNE PAPER	Pacific Telephone

831 W ANAHEIM ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1954	WISTER PLUMBNG CO	R. L. Polk & Co.

838 W ANAHEIM ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1952	Gough Industries Inc radios	Los Angeles Directory Co.

841 W ANAHEIM ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1960	HAMPTON IMPORTED CARS INC	Pacific Telephone

844 W ANAHEIM ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1952	Vacant	Los Angeles Directory Co.
	sects	Los Angeles Directory Co.
1948	AFranetovich N D restr	Los Angeles Directory Co.

FINDINGS

881 W ANAHEIM ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2008	PHOHANH	Cole Information Services

900 W ANAHEIM ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1980	BILL STECH BULCK GMC OPEL WILMINGTON	Pacific Telephone
1970	AVALON MOTORS-BUICK-OPEL WILMINGTON	Pacific Telephone

909 W ANAHEIM ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1950	COLLINS D K VETNRY	Pacific Telephone

FINDINGS

TARGET PROPERTY: ADDRESS NOT IDENTIFIED IN RESEARCH SOURCE

The following Target Property addresses were researched for this report, and the addresses were not identified in the research source.

Address Researched

San Francisco Ave/W Anaheim St

Address Not Identified in Research Source

2008, 2004, 2003, 2001, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1972, 1971, 1970, 1967, 1966, 1965, 1962, 1961, 1958, 1956, 1955, 1951, 1949, 1947, 1946, 1945, 1942, 1940, 1938, 1937, 1936, 1934, 1933, 1932, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

ADJOINING PROPERTY: ADDRESSES NOT IDENTIFIED IN RESEARCH SOURCE

The following Adjoining Property addresses were researched for this report, and the addresses were not identified in research source.

Address Researched

1001 ANAHEIM W

Address Not Identified in Research Source

2013, 2008, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

1010 ANAHEIM W

2013, 2008, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

1010 W ANAHEIM ST

2013, 2008, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

1014 ANAHEIM W

2013, 2008, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

1020 ANAHEIM W

2013, 2008, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

1101 ANAHEIM W

2013, 2008, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

1109 ANAHEIM W

2013, 2008, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

Former Long Beach Public Service Yard

San Francisco Ave/W Anaheim St

Long Beach, CA 90813

Inquiry Number: 4328849.4

June 17, 2015

EDR Historical Topographic Map Report



6 Armstrong Road, 4th Floor
Shelton, Connecticut 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Historical Topographic Map Report

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with any questions or comments.

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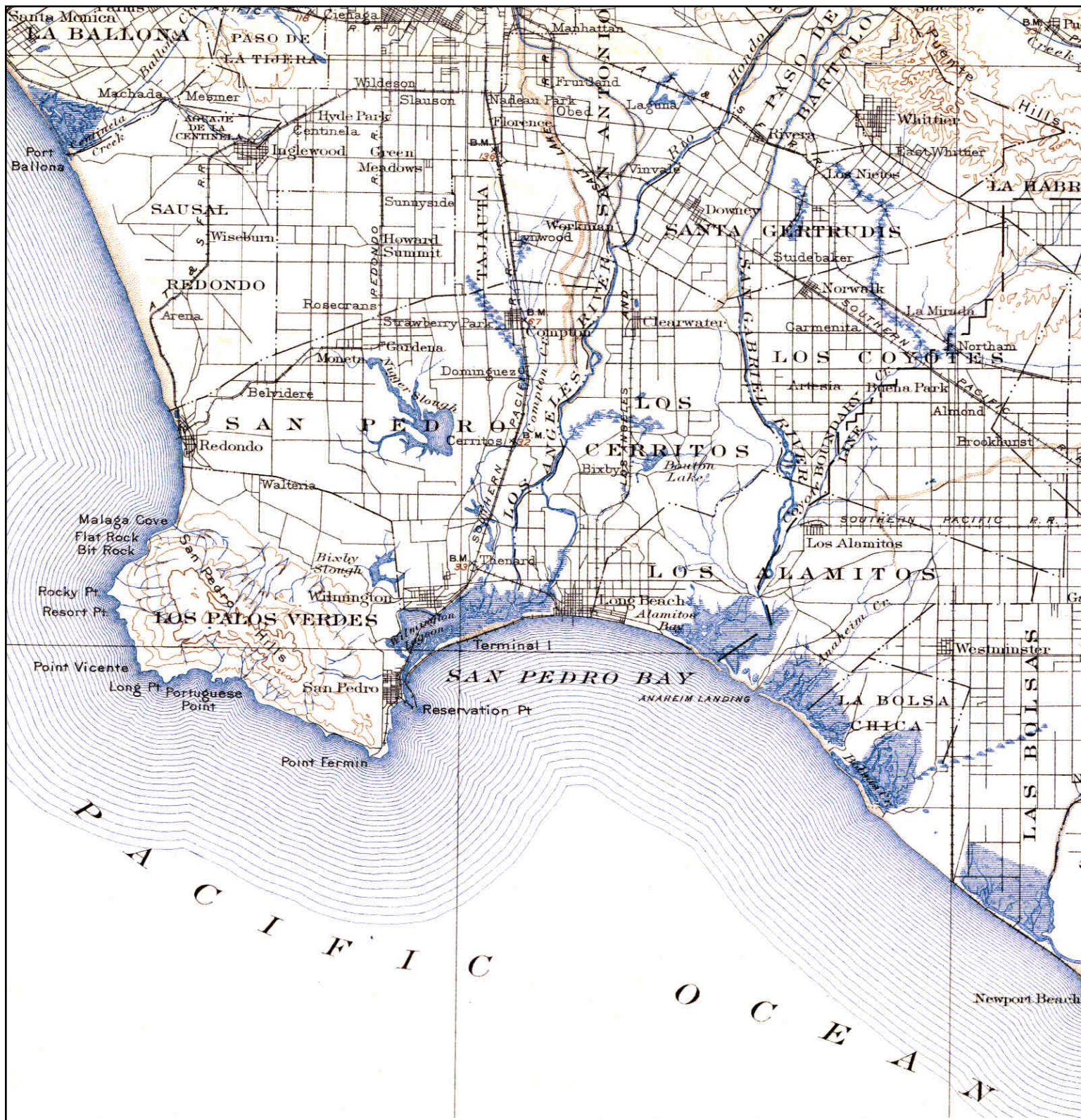
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Historical Topographic Map



N 	TARGET QUAD	SITE NAME:	Former Long Beach Public Service Yard	CLIENT:	SCS Engineers
	NAME: DOWNEY			CONTACT:	Kim Braun
	MAP YEAR: 1896	ADDRESS:	San Francisco Ave/W Anaheim St Long Beach, CA 90813	INQUIRY#:	4328849.4
	SERIES: 15	LAT/LONG:	33.7843 / -118.2038	RESEARCH DATE:	06/17/2015
	SCALE: 1:62500				

Historical Topographic Map



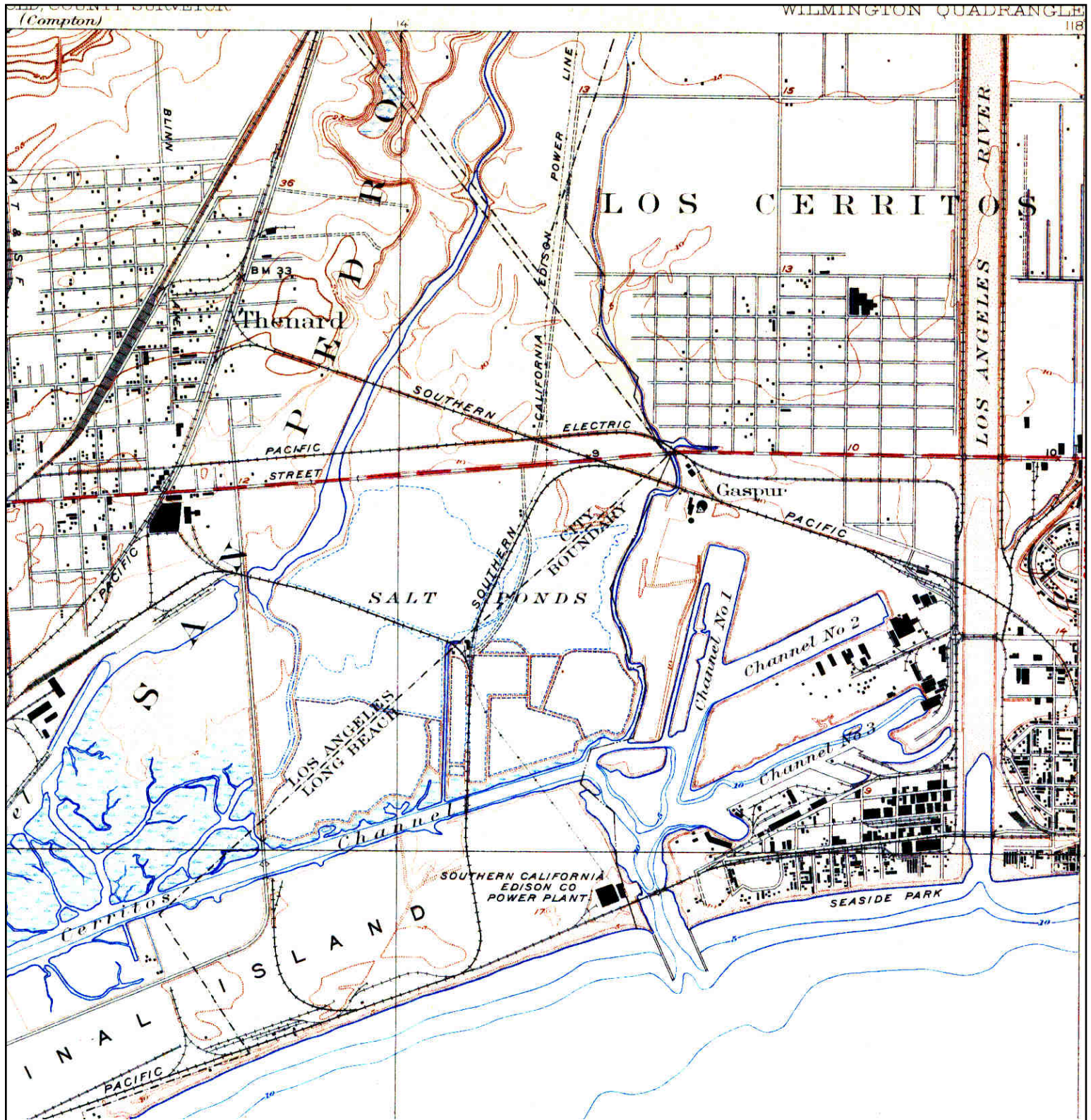
N ↑	TARGET QUAD NAME: SOUTHERN CA SHEET 1 MAP YEAR: 1901 SERIES: 60 SCALE: 1:250000	SITE NAME: Former Long Beach Public Service Yard ADDRESS: San Francisco Ave/W Anaheim St Long Beach, CA 90813 LAT/LONG: 33.7843 / -118.2038	CLIENT: SCS Engineers CONTACT: Kim Braun INQUIRY#: 4328849.4 RESEARCH DATE: 06/17/2015
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Historical Topographic Map



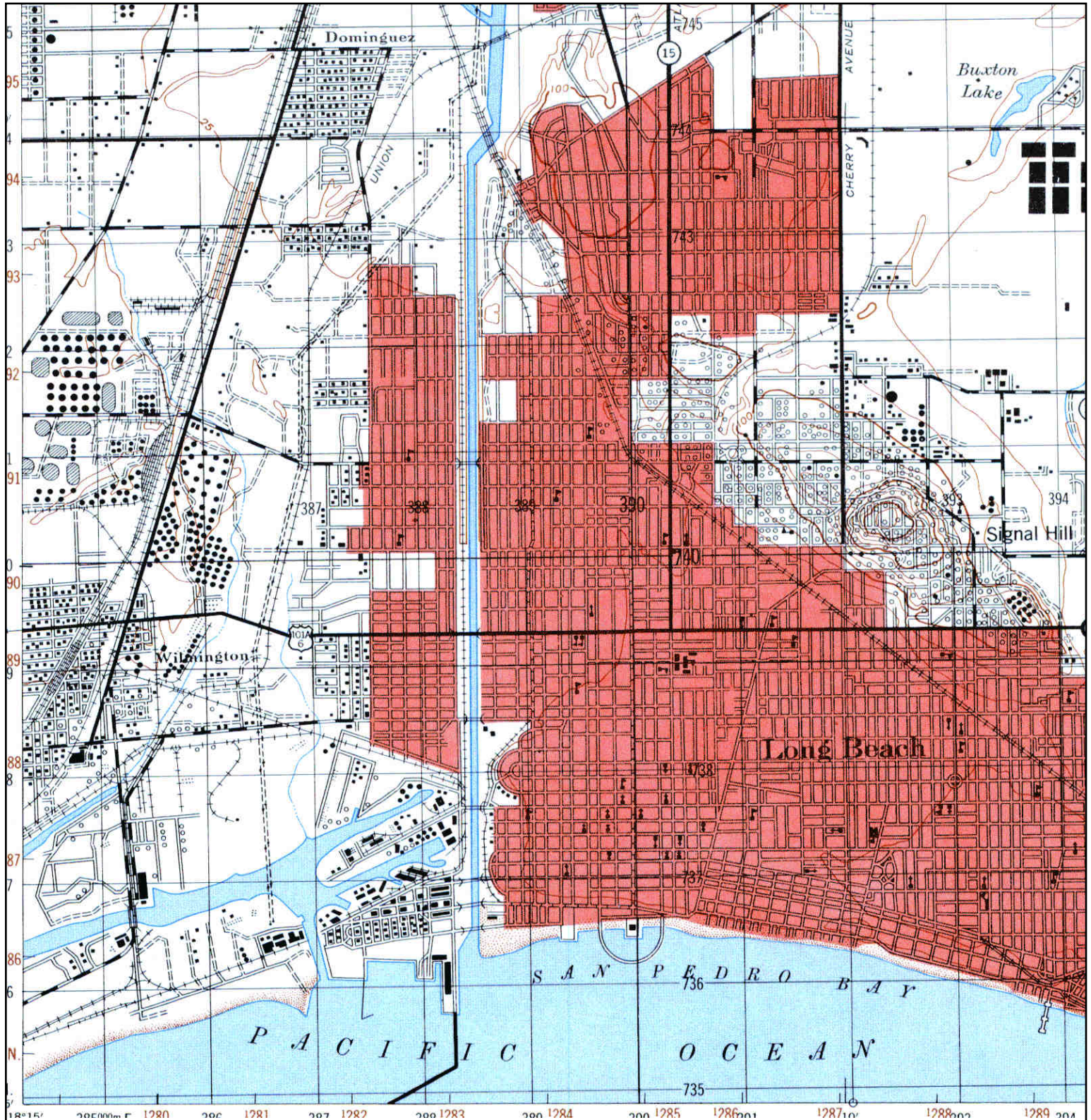
N ↑	TARGET QUAD NAME: DOWNEY MAP YEAR: 1902	SITE NAME: Former Long Beach Public Service Yard ADDRESS: San Francisco Ave/W Anaheim St Long Beach, CA 90813 LAT/LONG: 33.7843 / -118.2038	CLIENT: SCS Engineers CONTACT: Kim Braun INQUIRY#: 4328849.4 RESEARCH DATE: 06/17/2015
	SERIES: 15 SCALE: 1:62500		

Historical Topographic Map



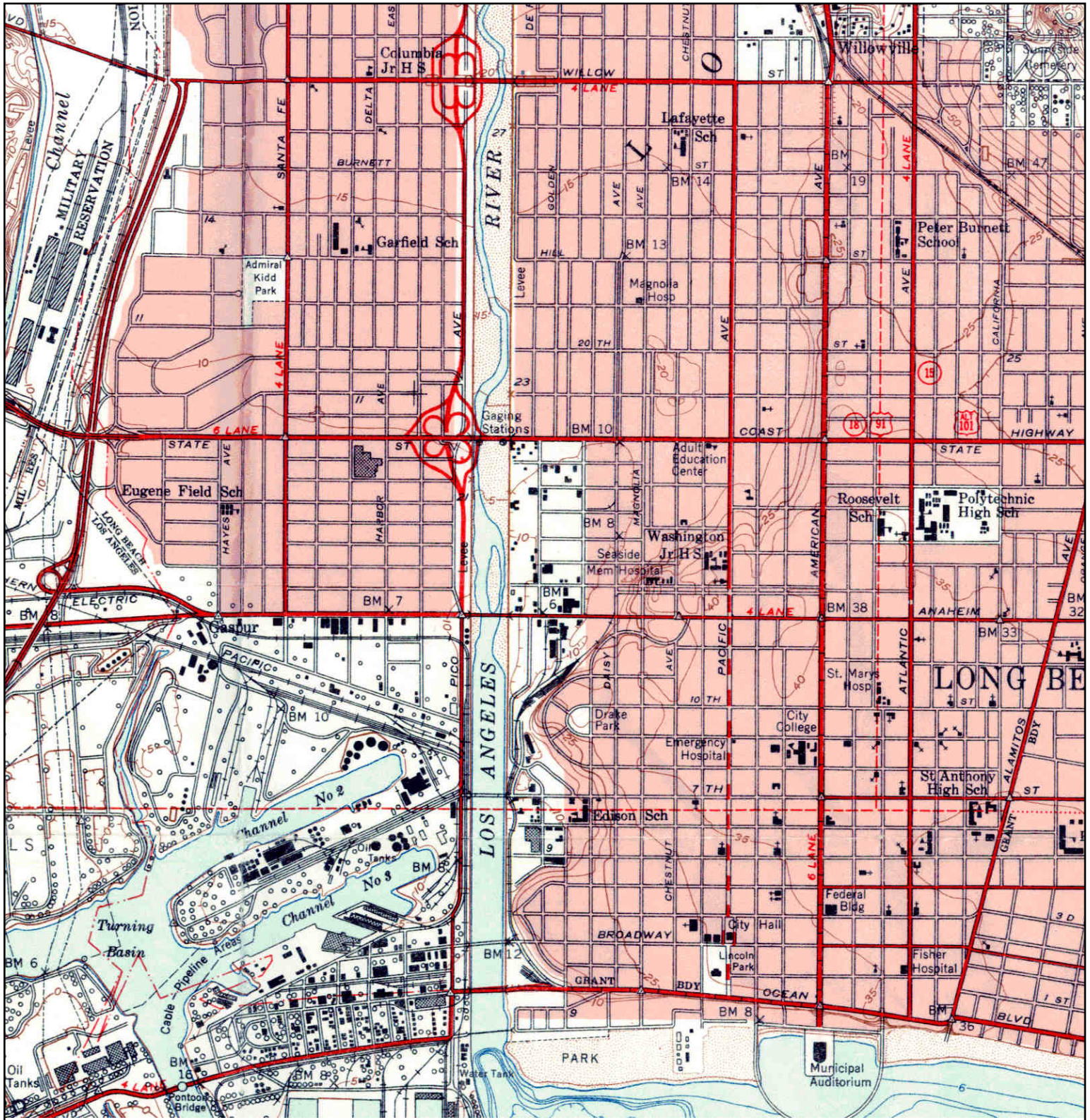
N ↑	TARGET QUAD NAME: WILMINGTON MAP YEAR: 1925 SERIES: 6 SCALE: 1:24000	SITE NAME: Former Long Beach Public Service Yard ADDRESS: San Francisco Ave/W Anaheim St Long Beach, CA 90813 LAT/LONG: 33.7843 / -118.2038	CLIENT: SCS Engineers CONTACT: Kim Braun INQUIRY#: 4328849.4 RESEARCH DATE: 06/17/2015
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Historical Topographic Map



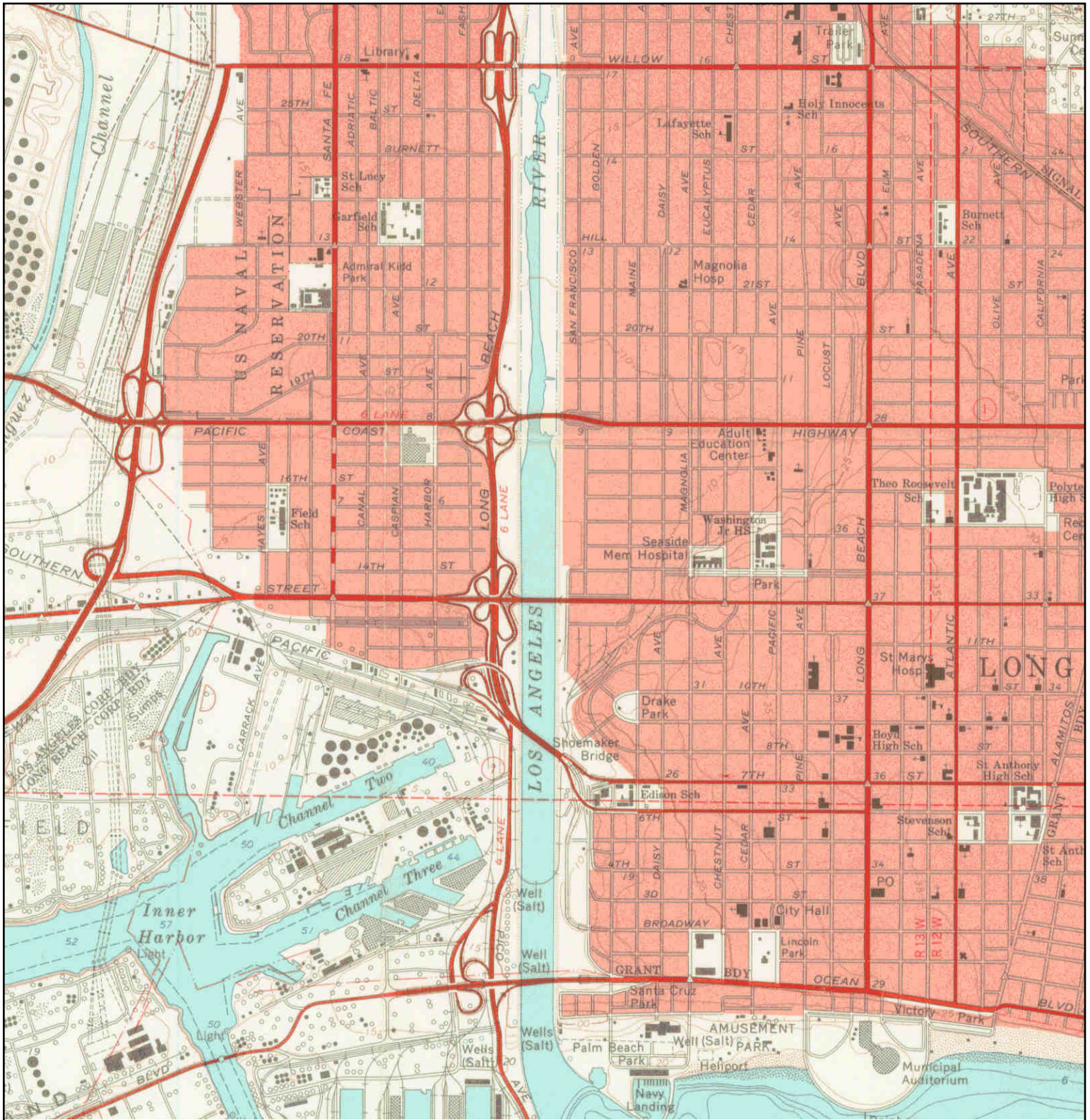
N ↑	TARGET QUAD NAME: DOWNEY MAP YEAR: 1947 SERIES: 15 SCALE: 1:50000	SITE NAME: Former Long Beach Public Service Yard ADDRESS: San Francisco Ave/W Anaheim St Long Beach, CA 90813 LAT/LONG: 33.7843 / -118.2038	CLIENT: SCS Engineers CONTACT: Kim Braun INQUIRY#: 4328849.4 RESEARCH DATE: 06/17/2015
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Historical Topographic Map



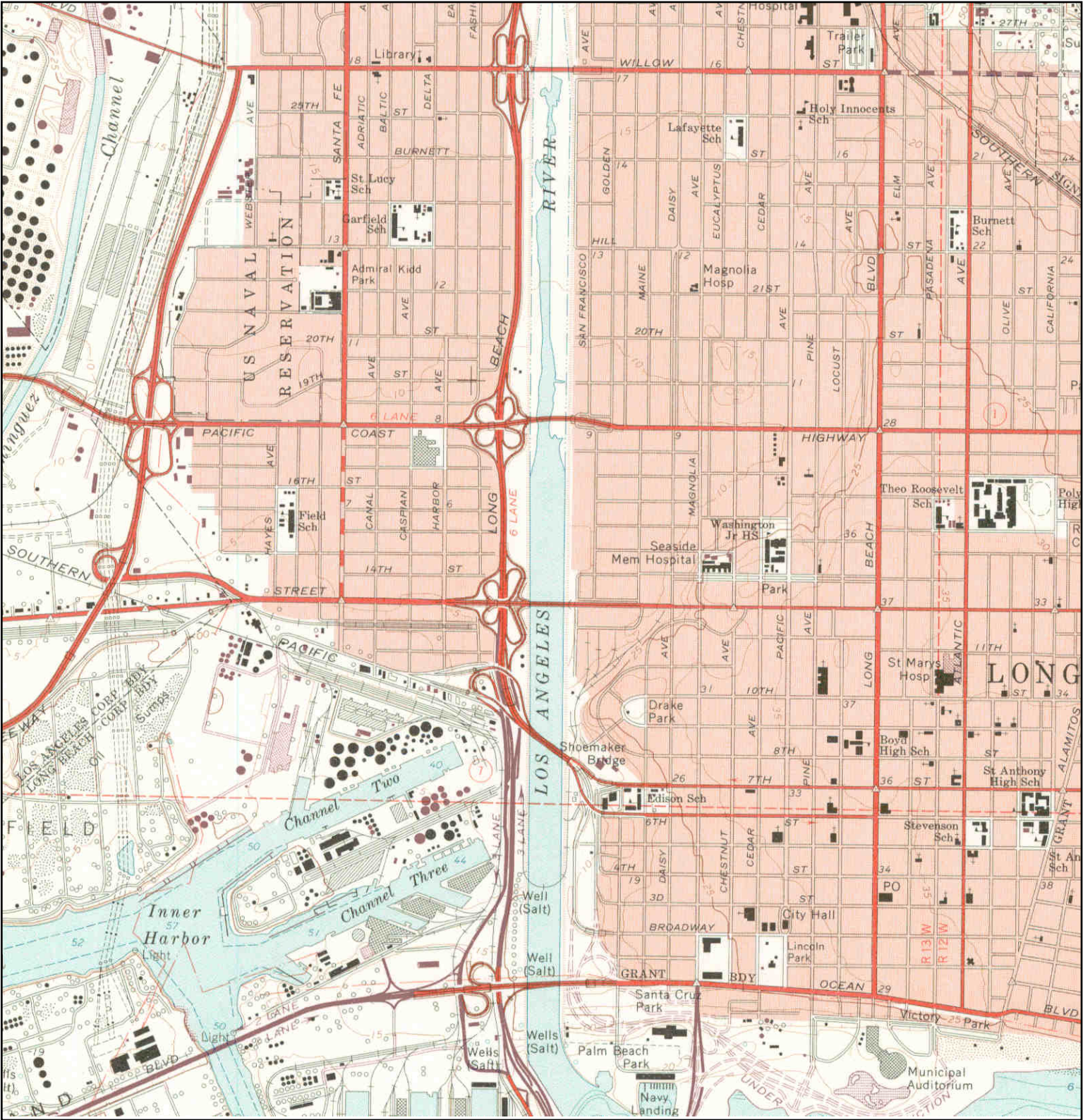
N ↑	TARGET QUAD NAME: LONGBEACH VICINITY 20F3 MAP YEAR: 1951 SERIES: 7.5 SCALE: 1:24000	SITE NAME: Former Long Beach Public Service Yard ADDRESS: San Francisco Ave/W Anaheim St Long Beach, CA 90813 LAT/LONG: 33.7843 / -118.2038	CLIENT: SCS Engineers CONTACT: Kim Braun INQUIRY#: 4328849.4 RESEARCH DATE: 06/17/2015
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Historical Topographic Map



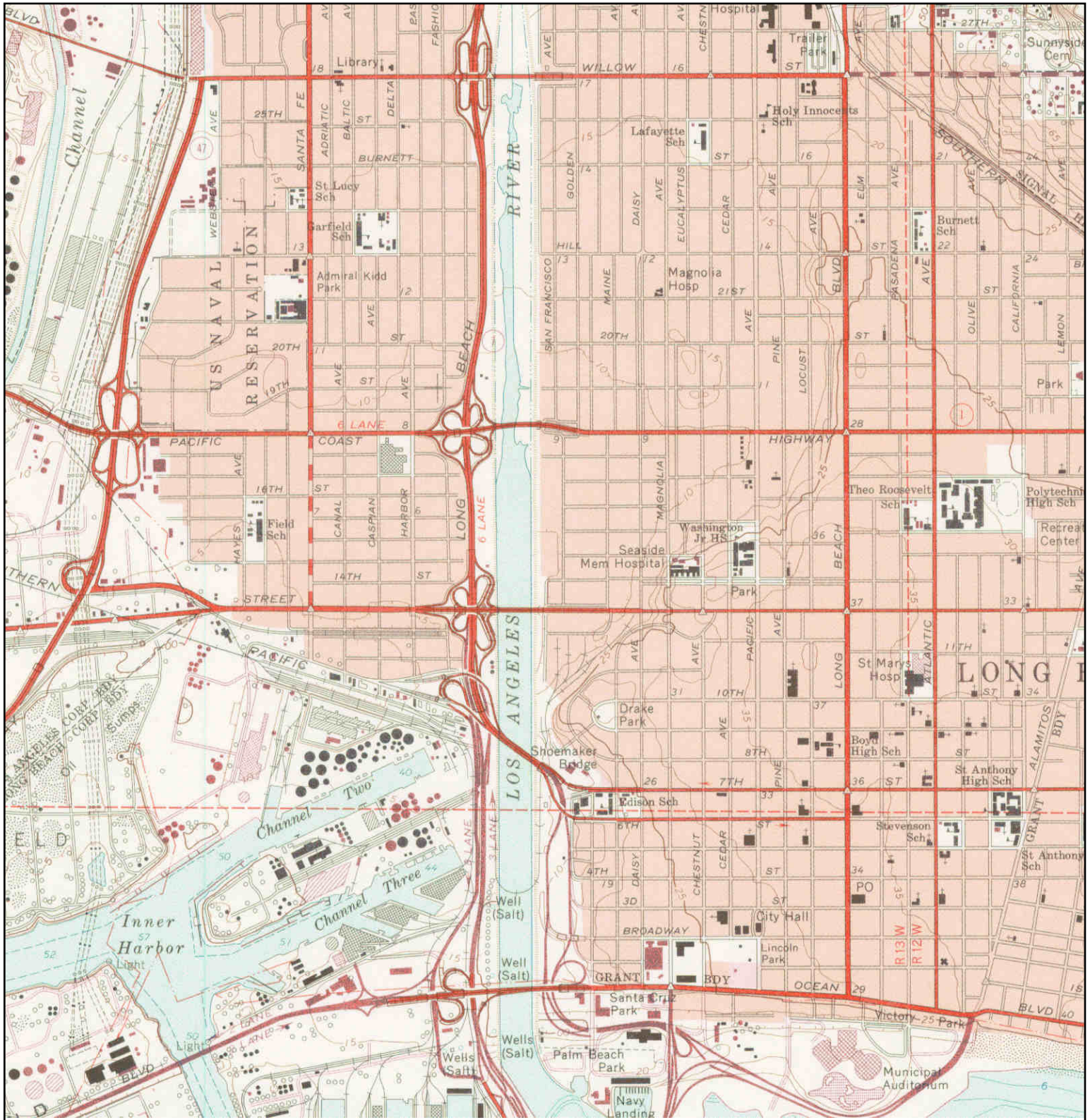
N 	TARGET QUAD NAME: LONG BEACH MAP YEAR: 1964 SERIES: 7.5 SCALE: 1:24000	SITE NAME: Former Long Beach Public Service Yard ADDRESS: San Francisco Ave/W Anaheim St Long Beach, CA 90813 LAT/LONG: 33.7843 / -118.2038	CLIENT: SCS Engineers CONTACT: Kim Braun INQUIRY#: 4328849.4 RESEARCH DATE: 06/17/2015
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Historical Topographic Map



	TARGET QUAD	SITE NAME:	Former Long Beach Public Service Yard	CLIENT:	SCS Engineers
	NAME:	ADDRESS:	San Francisco Ave/W Anaheim St	CONTACT:	Kim Braun
	MAP YEAR:	LAT/LONG:	Long Beach, CA 90813	INQUIRY#:	4328849.4
	PHOTOREVISED FROM :			RESEARCH DATE:	06/17/2015
	SERIES:				
	SCALE:				

Historical Topographic Map



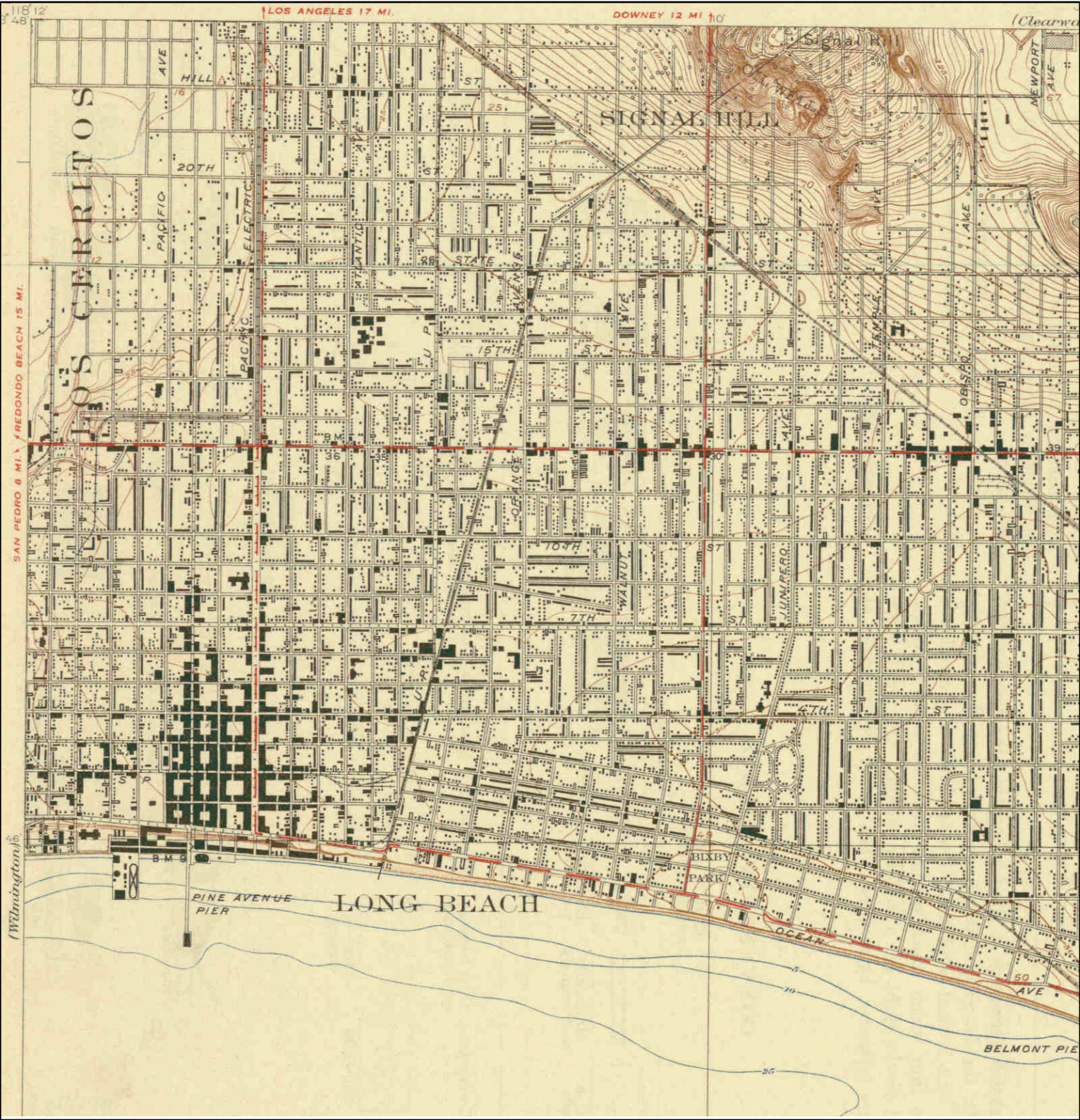
TARGET QUAD

NAME: LONG BEACH
MAP YEAR: 1981
PHOTOREVISED FROM :1964
SERIES: 7.5
SCALE: 1:24000

SITE NAME: Former Long Beach Public Service Yard
ADDRESS: San Francisco Ave/W Anaheim St
Long Beach, CA 90813
LAT/LONG: 33.7843 / -118.2038

CLIENT: SCS Engineers
CONTACT: Kim Braun
INQUIRY#: 4328849.4
RESEARCH DATE: 06/17/2015

Historical Topographic Map



	ADJOINING QUAD		
	NAME:	LONG BEACH	SITE NAME: Former Long Beach Public Service Yard
	MAP YEAR:	1925	ADDRESS: San Francisco Ave/W Anaheim St Long Beach, CA 90813
	SERIES:	7.5	LAT/LONG: 33.7843 / -118.2038
	SCALE:	1:24000	CLIENT: SCS Engineers CONTACT: Kim Braun INQUIRY#: 4328849.4 RESEARCH DATE: 06/17/2015

APPENDIX D

PREVIOUS REPORTS
(INCLUDED IN SUBFOLDER)

APPENDIX E

REGULATORY AGENCY INFORMATION – NFA LETTERS



CITY OF LONG BEACH

DEPARTMENT OF HEALTH AND HUMAN SERVICES
BUREAU OF ENVIRONMENTAL HEALTH



2525 GRAND AVENUE ROOM 220 • LONG BEACH, CALIFORNIA 90815 • (562) 570-4132
WWW.LONGBEACH.GOV/HEALTH/EH

April 27, 2015

Mr. Clark Neuhoff
San Francisco Yard LLC
c/o Alere Property Group LLC
100 Bayview Circle, Suite 310
Newport Beach, CA 92660

Subject: Letter of Compliance-No Further Action

Regarding: 1401 San Francisco Avenue, Long Beach, CA 90813 (the "Property")
Los Angeles County Recorded Application No. #1411-08C/APN:
7271-008-013 and a portion of 727-011-008

Dear Mr. Neuhoff:

This letter confirms the completion of site remedial action related to the lead-impacted soil located at the Property. The Property consists of an L-shaped parcel, approximately 3.5 acres in are (APN: 7271-008-013 and a portion of 7271-011-008).

The lead-impacted soil that was fully characterized between 2013 and 2015, was likely associated with fill debris from the 1933 Long Beach earthquake. The exact date of deposition is unknown. Lead was the only contaminant of concern at the Property and it has now been removed from the site.

The remedial action consisted of excavating approximately 44,000 cubic yards of lead-impacted soil and relocating it to the adjacent City of Long Beach owned parcel, Los Angeles County Recorded Application No.: #1411-08B. This parcel has been designated as the Area of Contamination (AOC) as per California Department of Toxic Substances Control's (DTSC) "Proven Technologies and Remedies (PT&R) Guidance, Remediation of Metals in Soils", dated August 29, 2008.

Remediation is complete per the *Site Remediation and Closure Report, "Yard Parcel"* of the *Former Long Beach Public Service Yard*, prepared by SCS Engineers, March 23, 2015. The Long Beach Department of Health and Human Services has no further requirement, action or restriction related to the Property at this time.

Please note that this correspondence does not exempt San Francisco Yard LLC of any liability under the California Health and Safety Code or Water Code for past, present or future operations at the site address. Also, subject to the *Environmental Indemnity and Access Agreement* dated June 3, 2010, ownership maintains responsibility to correct any additional or previously unidentified conditions, which cause, or may thereafter cause pollution or nuisance, or otherwise pose a threat to water quality or public health.

A.P.N. (s) listed above are subject to change as per Los Angeles County Assessor's Office decision.

If you require additional information regarding this matter, you may contact Hazardous Materials Specialist, Carmen Piro at 562-570-4137.

Sincerely,

A handwritten signature in black ink, appearing to read 'N. Kerr', with a stylized flourish at the end.

Nelson Kerr, R.E.H.S., M.P.A.
Bureau Manager
Bureau of Environmental Health

Cc: Carmen Piro-Hazmat Division, Bureau of Environmental Health
Mike Conway-City Manager, 333 West Ocean Blvd., 13th Floor, Long Beach, CA 90802
Kevin Green -SCS Engineers, 3900 Kilroy Airport Way, Suite 100, Long Beach, CA 90806
Ashley Hutchens-SCS Engineers, 3900 Kilroy Airport Way, Suite 100, Long Beach, CA 90806



CITY OF LONG BEACH

DEPARTMENT OF HEALTH AND HUMAN SERVICES

2525 GRAND AVENUE • LONG BEACH, CALIFORNIA 90815 • (562) 570-4000

July 11, 2012

Clark Neuhoff
San Francisco Yard LLC
100 Bayview Circle, Suite 310
Newport Beach, CA 92660

Regarding: 1725 San Francisco Avenue, Long Beach
(Parcel 7271-007-005/Southern Parcel)

Dear Mr. Neuhoff:

This letter confirms the completion of a site investigation related to the characterization of the soil at the former Long Beach City Public Service Yard, located at the above referenced location.

This letter specifically addresses the above referenced parcel and does not extend to other sections at the property.

Based on the Confirmation Sampling Report prepared by SCS Engineers, dated March 2, 2012, and with the provision that the information provided to this Agency was accurate and representative of site conditions, no further action is required.

Please note that this correspondence does not exempt you of any liability under the California Health and Safety Code or Water Code for past, present or future operations at the site address. Additionally, you maintain responsibility to correct any additional or previously unidentified conditions, which cause, or may thereafter cause, pollution or nuisance, or otherwise pose a threat to water quality or public health.

If you require additional information regarding this matter, you may contact Hazardous Materials Specialist, Carmen Piro at 562/570-4137

Sincerely,

Nelson Kerr, R.E.H.S., M.P.A.
Manager, Bureau of Environmental Health

cc: City of Long Beach Fire Prevention-Tim Buzbee
City of Long Beach Department of Public Works-Mike Conway. 333 West Ocean Blvd, 9th Floor, Long Beach, CA 90802
City of Long Beach Department of Development Services-Amy J. Bodeck. 333 West Ocean Blvd, 3rd Floor, Long Beach, CA 90802
City of Long Beach Department of Development Services/Building Bureau-Angela Reynolds. 333 West Ocean Blvd, 4th Floor, Long Beach, CA 90802
SCS Engineers-Kevin Green. 3900 Kilroy Way, Suite 100, Long Beach, CA 90806



CITY OF LONG BEACH

DEPARTMENT OF HEALTH AND HUMAN SERVICES

2525 GRAND AVENUE • LONG BEACH, CALIFORNIA 90815 • (562) 570-4000

July 11, 2012

Clark Neuhoff
San Francisco Yard LLC
100 Bayview Circle, Suite 310
Newport Beach, CA 92660

Regarding: 1725 San Francisco Avenue, Long Beach
(Parcel 7271-012-023/Northern Parcel)

Dear Mr. Neuhoff:

This letter confirms the completion of a site investigation related to the characterization of the soil at the former Long Beach City Public Service Yard, located at the above referenced location.

This letter specifically addresses the above referenced parcel and does not extend to other sections at the property.

Based on the Confirmation Sampling Report prepared by SCS Engineers, dated March 2, 2012, and with the provision that the information provided to this Agency was accurate and representative of site conditions, no further action is required.

Please note that this correspondence does not exempt you of any liability under the California Health and Safety Code or Water Code for past, present or future operations at the site address. Additionally, you maintain responsibility to correct any additional or previously unidentified conditions, which cause, or may thereafter cause, pollution or nuisance, or otherwise pose a threat to water quality or public health.

If you require additional information regarding this matter, you may contact Hazardous Materials Specialist, Carmen Piro at 562/570-4137

Sincerely,

Nelson Kerr, R.E.H.S., M.P.A.
Manager, Bureau of Environmental Health

Cc: City of Long Beach Fire Prevention-Tim Buzbee
City of Long Beach Department of Public Works-Mike Conway. 333 West Ocean Blvd, 9th Floor, Long Beach, CA 90802
City of Long Beach Department of Development Services-Amy J. Bodeck. 333 West Ocean Blvd, 3rd Floor, Long Beach, CA 90802
City of Long Beach Department of Development Services/Building Bureau-Angela Reynolds. 333 West Ocean Blvd, 4th Floor, Long Beach, CA 90802
SCS Engineers-Kevin Green. 3900 Kilroy Way, Suite 100, Long Beach, CA 90806



Matthew Rodriguez
Secretary for
Environmental Protection

California Regional Water Quality Control Board Los Angeles Region

320 West Fourth Street, Suite 200, Los Angeles, California 90013
(213) 576-6600 • FAX (213) 576-6640
<http://www.waterboards.ca.gov/losangeles>



Edmund G. Brown Jr.
Governor

July 3, 2012

Ms. Carmen Piro
City of Long Beach
333 West Ocean Blvd.
Long Beach, CA 90802

**UNDERGROUND STORAGE TANKS PROGRAM – CASE CLOSURE
PUBLIC SERVICE YARD (PRIORITY D-1 SITE)
1725 SAN FRANCISCO AVENUE, SITE 43, LONG BEACH (FILE NO. 908130607)**

Dear Ms. Piro:

This letter confirms the completion of a site investigation and corrective action for the underground storage tanks formerly located at the above-described location. Thank you for your cooperation throughout this investigation. Your willingness and promptness in responding to our inquiries concerning the former underground storage tanks are greatly appreciated.

Based on information in the above-referenced file and with the provision that the information provided to this agency was accurate and representative of site conditions, this agency finds that the site investigation and corrective action carried out at your underground tank(s) site is in compliance with the requirements of subdivision (a) and (b) of Section 25296.10 of the Health and Safety Code and with corrective action regulations adopted pursuant to Section 25299.3 of the Health and Safety Code and that no further action related to the petroleum release(s) at the site is required.

This notice is issued pursuant to subdivision (g) of Section 25296.10 of the Health and Safety Code.

Claims for reimbursement of corrective action costs submitted to the Underground Storage Tank Cleanup Fund more than 365 days after the date of this letter or issuance or activation of the Fund's Letter of Commitment, whichever occurs later, will not be reimbursed unless one of the following exceptions applies:

- Claims are submitted pursuant to Section 25299.57, subdivision (k) (reopened UST case); or
- Submission within the timeframe was beyond the claimant's reasonable control, ongoing work is required for closure that will result in the submission of claims beyond that time period, or that under the circumstances of the case, it would be unreasonable or inequitable to impose the 365-day time period.

Ms. Carmen Piro

- 2 -

July 3, 2012

Please contact Mr. Noman Chowdhury at (213) 576-6704 or nchowdhury@waterboards.ca.gov if you have any questions regarding this matter.

Sincerely,



Samuel Unger, PE
Executive Officer

cc: Ms. Kathy Jundt, State Water Resources Control Board, UST Cleanup Fund
Ms. Phuong Ly, Water Replenishment District of Southern California
Mr. Richard Lavin, Los Angeles County, Department of Public Health, Environmental Health Division-Water & Sewage
Ms. Susan L Mearns, Mearns Consulting LLC
Mr. Matt Englhard, ALERE Property Group LLC



California Regional Water Quality Control Board Los Angeles Region



Linda S. Adams
Acting Secretary for
Environmental Protection

320 West Fourth Street, Suite 200, Los Angeles, California 90013
(213) 576-6600 • Fax (213) 576-6640
<http://www.waterboards.ca.gov/losangeles>

Edmund G. Brown, Jr.
Governor

July 6, 2011

Mr. Frank Neely
City of Long Beach, Fleet Services
2600 Temple Avenue
Long Beach, CA 90806

**Underground Storage Tanks Program – Case Closure
Former Long Beach City Tow Yard
901 Anaheim Street West, Long Beach (Case No. 908130498) (Priority D-1 Site)**

Dear Mr. Neely:

This letter confirms the completion of a site investigation and corrective action for the underground storage tank(s) formerly located at the above-described location. Thank you for your cooperation throughout this investigation. Your willingness and promptness in responding to our inquiries concerning the former underground storage tank(s) are greatly appreciated.

Based on information in the above-referenced file and with the provision that the information provided to this agency was accurate and representative of site conditions, this agency finds that the site investigation and corrective action carried out at your underground tank(s) site is in compliance with the requirements of subdivision (a) and (b) of Section 25296.10 of the Health and Safety Code and with corrective action regulations adopted pursuant to Section 25299.3 of the Health and Safety Code and that no further action related to the petroleum release(s) at the site is required.

This notice is issued pursuant to subdivision (g) of Section 25296.10 of the Health and Safety Code.

If you have groundwater monitoring wells at the subject site, you must comply with the following:

1. All wells must be properly located and abandoned.
2. Well abandonment permits and all other necessary permits must be obtained from the appropriate agencies prior to the start of work.
3. You must submit a report on the abandonment of the wells to this office by **October 30, 2011**. This report must include, at a minimum, a site map, a description of the well abandonment process, and copies of all signed permits.

California Environmental Protection Agency

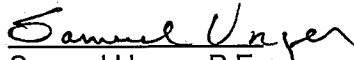
Frank Neely
Former Long Beach City Tow Yard UST case
901 Anaheim St. W.

- 2 -

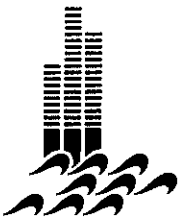
July 6, 2011

If you have any questions regarding this matter, please contact Mr. Dave Bjostad at (213) 576-6712 or dbjostad@waterboards.ca.gov, or contact Dr. Weixing Tong at (213) 576-6715 or wtong@waterboards.ca.gov.

Sincerely,


Samuel Unger, P.E.
Executive Officer

cc: Kathy Jundt, State Water Resources Control Board, UST Cleanup Fund
Carmen Piro, City of Long Beach Department of Health and Human Services
Nancy Matsumoto, Water Replenishment District of Southern California
Clark Neuhoff, San Francisco Yard LLC, property owner (100 Bayview Circle, #310, Newport Beach, CA 92660)
Long Beach Redevelopment Agency, c/o Craig Justesen, Overland, Pacific & Cutler, Inc.
(3750 Schauffele Ave., Suite 150, Long Beach, CA 90808)
Kevin Green, SCS Engineers



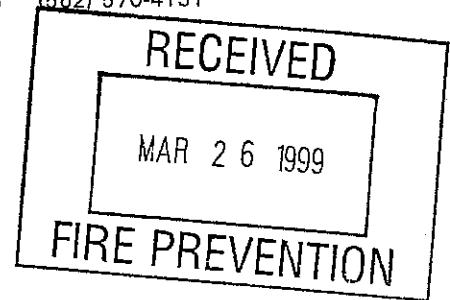
**JOINT POWERS AGENCY
LONG BEACH/SIGNAL HILL**



Unified Program Agency

2525 Grand Avenue • Long Beach, California 90815 • (562) 570-4131

March 25, 1999



Mr. David McCarthy
Public Service Yard
1725 San Francisco Avenue
Long Beach, California 90813

Re: 1725 San Francisco Avenue, Long Beach

Dear Mr. McCarthy:

This letter confirms the completion of the removal of two (2) 10,000 gallon, one (1) 1,000 gallon and one (1) 500 gallon underground storage tank(s) formerly located at the above described location.

Based on the information in the above referenced file and with the provision that the information provided to this agency was accurate and representative of site conditions, no further action related to the underground storage tank removal is required.

This notice is issued pursuant to a regulation contained in Section 2721(e) of Title 23 of the California Code of Regulations.

Please contact me at 562/570-4128 if you have any questions regarding this matter.

Sincerely,

Jeff Benedict, R.E.H.S., M.P.A.
Hazardous Waste Operations Officer

cc: Long Beach Fire Prevention Bureau
McLaren Hart, Inc.

sat let

APPENDIX F
EDR DATABASE REPORT

Former Long Beach Public Service Yard

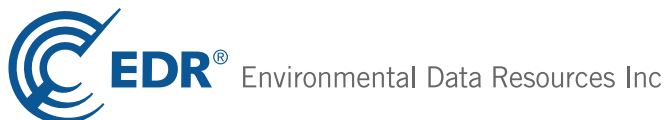
San Francisco Ave/W Anaheim St

Long Beach, CA 90813

Inquiry Number: 04328849.2r

June 17, 2015

The EDR Radius Map™ Report with GeoCheck®



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

SAN FRANCISCO AVE/W ANAHEIM ST
LONG BEACH, CA 90813

COORDINATES

Latitude (North):	33.7843000 - 33° 47' 3.48"
Longitude (West):	118.2038000 - 118° 12' 13.68"
Universal Transverse Mercator:	Zone 11
UTM X (Meters):	388545.8
UTM Y (Meters):	3738697.5
Elevation:	14 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	33118-G2 LONG BEACH (DIGITAL), CA
Most Recent Revision:	1964

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20120505
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
SAN FRANCISCO AVE/W ANAHEIM ST
LONG BEACH, CA 90813

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	SIFTON A D	949 W ANAHEIM ST	EDR US Hist Auto Stat		TP
A2	CITY OF L.B. PUBLIC	1725 SAN FRANCISCO A	CA UST		TP
A3	CITY OF LONG BEACH T	901 W ANAHEIM ST	CA HAZNET		TP
A4	CITY OF LONG BEACH T	901 W ANAHEIM	CA HAZNET		TP
A5	CITY OF LONG BEACH	0929 W ANAHEIM ST	CA UST		TP
A6	VEHICLE TOW YARD	901 ANAHEIM ST W	CA RGA LUST		TP
A7	PUBLIC SERVICE YARD	1725 SAN FRANCISCO A	CA HIST CORTESE, CA LUST		TP
A8	LONG BEACH CITY TOW	901 ANAHEIM ST W	CA LUST		TP
A9	LONG BEACH CITY PUB	1601 SAN FRANCISCO A	RCRA-SQG, FINDS		TP
A10	VEHICLE TOW YARD	901 ANAHEIM	CA HIST CORTESE		TP
A11	LONG BEACH CITY TOW	901 ANAHEIM ST W	CA RGA LUST		TP
A12		901 W ANAHEIM ST	CA CDL		TP
A13	LONG BEACH TESTING L	1475 SAN FRANCISCO A	RCRA-SQG, FINDS		TP
A14	LONG BEACH FOOD BANK	1444 SAN FRANCISCO A	CA HIST UST	Lower	32, 0.006, East
A15	THE FOODBANK OF SOUT	1444 SAN FRANCISCO A	CA UST	Lower	32, 0.006, East
A16	LONG BEACH FOOD BANK	1444 SAN FRANCISCO	CA FID UST, CA SWEEPS UST	Lower	32, 0.006, East
A17	THE FOOD BANK OF SOU	1444 SAN FRANCISCO	CA HIST CORTESE, CA LUST	Lower	32, 0.006, East
B18	CITY TOW SERVICE & G	1630 SAN FRANCISCO	EDR US Hist Auto Stat	Higher	66, 0.013, North
B19	CITY TOW SERVICE & G	1630 S SAN FERNAND	EDR US Hist Auto Stat	Higher	66, 0.013, North
B20		1630 SAN FRANCISCO A	CA UST	Higher	66, 0.013, North
B21		1634 SAN FRANCISCO	EDR US Hist Auto Stat	Higher	75, 0.014, North
22		0824 W ANAHEIM ST	CA UST	Lower	77, 0.015, South
C23	SEVEN STRAND TACKLE	899 W COWLES ST	RCRA-SQG, FINDS, CA HAZNET	Lower	106, 0.020, NE
B24	LONG BEACH SEAFOODS	0845 W 16TH ST	CA UST	Higher	113, 0.021, NNE
D25	OCEAN BLUE ENVIRONME	925 W ESTHER ST	RCRA NonGen / NLR, PADS, FINDS	Higher	234, 0.044, North
D26	ALLWASTE SERVICES, I	925 W ESTHER ST	CA HAULERS, CA HWP, CA MWMP	Higher	234, 0.044, North
D27	OCEAN BLUE ENVIRONME	925 WEST ESTHER STRE	CA HWT	Higher	234, 0.044, North
B28	LONG BEACH SEAFOODS	0825 W 16TH ST	CA UST	Higher	235, 0.045, NNE
E29		0750 W ANAHEIM ST	CA UST	Lower	260, 0.049, SE
E30	CHEVRON #209725 (2 D	0725 W ANAHEIM ST	CA UST	Lower	285, 0.054, SE
F31	HARBOR DIESEL & EQUI	537 WEST ANAHEIM STR	RCRA-SQG, FINDS	Lower	317, 0.060, East
F32	HARBOR DIESEL & EQUI	0537 W ANAHEIM ST	CA HIST CORTESE, CA LUST, CA UST	Lower	317, 0.060, East
F33	CLARIANT CORP	801 W 14TH ST	CA AST	Lower	317, 0.060, East
F34	T R OIL SERVICES L O	801 WEST 14TH STREET	RCRA NonGen / NLR, FINDS, CA HIST CORTESE, CA...	Lower	317, 0.060, East
C35		812 W COWLES ST	EDR US Hist Auto Stat	Lower	318, 0.060, ENE
G36	BKK CORP	0800 W 15TH ST	CA HIST CORTESE, CA LUST, CA UST, CA HIST UST	Higher	358, 0.068, NE
G37	CHANCELLOR & OGDEN	800 W 15TH ST	RCRA NonGen / NLR, FINDS	Higher	358, 0.068, NE
G38	BKK CORPORATION/READ	800 WEST 15TH STREET	CA SLIC, CA HAZNET	Higher	358, 0.068, NE
G39	IT CORP-ROUTH TRANSP	800 15TH ST	RCRA NonGen / NLR, FINDS	Higher	362, 0.069, NE

MAPPED SITES SUMMARY

Target Property Address:
SAN FRANCISCO AVE/W ANAHEIM ST
LONG BEACH, CA 90813

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
G40	BKK CORPORATION	800 W 015TH ST	CA FID UST, CA SWEEPS UST	Higher	362, 0.069, NE
H41	VACANT	0710 W ANAHEIM ST	CA UST	Lower	376, 0.071, SE
H42	ARAMARK UNIFORM & CA	702 W ANAHEIM ST	RCRA-LQG	Lower	376, 0.071, SE
H43	SOFT WATER LAUNDRY &	702 W ANAHEIM ST	EDR US Hist Cleaners	Lower	376, 0.071, SE
H44	ARATEX SERVICES (ARA	702 ANAHEIM	CA HIST CORTESE	Lower	376, 0.071, SE
H45	ARATEX SERVICES (ARA	702 ANAHEIM ST W	CA LUST, CA LOS ANGELES CO. HMS	Lower	376, 0.071, SE
H46	ARATEX SERVICES	702 ANAHEIM	CA SLIC	Lower	376, 0.071, SE
H47	AMERICAN BUFFALO INC	0702 W ANAHEIM ST	CA UST	Lower	376, 0.071, SE
I48	AIR PROD AND CHEM IN	901 W 12TH ST	CERC-NFRAP, RCRA-SQG, FINDS	Lower	392, 0.074, South
I49	LIZETTE CREATIONS	0950 W 12TH ST	CA UST	Lower	398, 0.075, South
J50	SEUSS C E	818 W 16TH ST	EDR US Hist Auto Stat	Higher	432, 0.082, NNE
J51	SCHAEFER PARSONS	812 W 16TH ST	EDR US Hist Cleaners	Higher	445, 0.084, NNE
52	GOODWILL INDUSTRIES	0800 W PACIFIC COAST	CA UST	Lower	447, 0.085, NNE
D53	RILEY MARINE PRODUCT	0840 W ESTHER ST	CA UST	Lower	479, 0.091, NNE
I54	CALIF. GLASS DIST	790 W 012TH ST LONG	CA FID UST, CA SWEEPS UST	Lower	493, 0.093, SSE
G55	MESA ENVIRONMENTAL S	721 W 15TH ST	RCRA NonGen / NLR, FINDS	Higher	504, 0.095, NE
I56	FILE ONLY - CAL PACI	0790 W 12TH ST	CA UST	Lower	504, 0.095, SSE
57	CALIF. GLASS DIST.	790 W. 12TH ST. LONG	CA HIST UST	Lower	507, 0.096, SSE
K58	WESTERN ELECTROPLATI	820 WEST ESTHER STRE	CA ENVIROSTOR	Lower	537, 0.102, NNE
K59		0820 W ESTHER ST	CA UST	Lower	537, 0.102, NNE
K60	WESTERN ELECTROPLATI	820 W ESTHER ST	CERC-NFRAP, RCRA NonGen / NLR	Lower	537, 0.102, NNE
K61	WESTERN ELECTROPLATI	840 W ESTHER ST	FINDS, CA HIST UST, CA HAZNET	Lower	566, 0.107, NNE
F62		740 W 14TH ST	EDR US Hist Auto Stat	Lower	581, 0.110, ESE
L63		0741 W 17TH ST	CA UST	Higher	582, 0.110, NNE
L64	THOMPSON FAMILY TRUS	741 WEST 17 TH STREE	CA SLIC	Higher	582, 0.110, NNE
L65	THOMPSON FAMILY TRUS	741 W 17TH ST	RCRA-SQG, CA HAZNET	Higher	582, 0.110, NNE
M66	METROPOLITAN CHEMICA	0733 W 14TH ST	CA UST	Lower	598, 0.113, ESE
N67	ELLIS PAINT CO	1200 OREGON AVE	RCRA-SQG, FINDS, CA HAZNET	Lower	599, 0.113, SE
M68	ENVIRONMENTAL SERVS	716 W 14TH ST	RCRA NonGen / NLR, FINDS	Lower	631, 0.120, ESE
J69	PACIFIC X-RAY CO	0711 W 16TH ST	CA UST	Higher	642, 0.122, NE
J70	WARD BARKER INC	707 W 16TH ST	RCRA-SQG, PADS	Higher	654, 0.124, NE
J71	CHUCKS ELECTRONIC	707 W 16TH ST	CA FID UST, CA SWEEPS UST	Higher	654, 0.124, NE
J72	R G STEPHENS ENGINEE	0707 W 16TH ST	CA UST	Higher	654, 0.124, NE
J73	WARD-DEKAY TRANSPORT	707 W 16TH ST	RCRA NonGen / NLR	Higher	654, 0.124, NE
O74	HENDERSON & COMPANY	0703 W COWLES ST	CA UST	Higher	660, 0.125, ENE
O75		1451 OREGON AVE	CA UST	Higher	681, 0.129, ENE
N76	ELLIS FAMILY TRUST	718 ANAHEIM	CA SLIC	Lower	685, 0.130, SE
N77	DOUGLAS ROBINSON PRO	718 ANAHEIM	CA HIST CORTESE	Lower	685, 0.130, SE
N78	WEST COAST CHOPPERS	718 ANAHEIM ST W	CA LUST, CA ENF	Lower	685, 0.130, SE

MAPPED SITES SUMMARY

Target Property Address:
SAN FRANCISCO AVE/W ANAHEIM ST
LONG BEACH, CA 90813

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MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
P79	LOEM'S SPORTS WEAR	1501 OREGON AVE	CA UST	Lower	685, 0.130, NE
L80	CITY TOW SERVICE	704 W 17TH ST	RCRA NonGen / NLR, FINDS, CA HAZNET	Higher	687, 0.130, NNE
M81	NOVA TECHNO CORPORAT	1368 OREGON AVE	CA SWEEPS UST	Lower	687, 0.130, ESE
M82	NOVA TECHNO CORPORAT	1368 OREGON AVENUE	RCRA-LQG	Lower	687, 0.130, ESE
M83	NOVA TECHNO CORP	1368 OREGON AVE	CA NPDES, CA FID UST, CA SLIC, CA UST, CA HIST UST	Lower	687, 0.130, ESE
M84	CARAVAN MANUFACTURIN	1424 OREGON AVE	CA UST	Higher	690, 0.131, East
L85		0700 W 17TH ST	CA UST	Higher	699, 0.132, NNE
N86	ARATEX SERVICES INC	702 WEST ANAHEIM STR	CA SLIC, CA HAZNET	Lower	714, 0.135, SE
L87	DAISY SUBSTATION	1700 OREGON ST	RCRA-SQG, FINDS	Higher	725, 0.137, NNE
N88	SOFT WATER LAUNDRY &	702 W ANAHEIM	EDR US Hist Cleaners	Lower	737, 0.140, SE
P89	BOLA CHEMICALS	1524 OREGON AVE	RCRA-SQG, FINDS	Lower	747, 0.141, NE
O90	DYNATRON ELECTRIC CO	1492 OREGON AVE	CA UST	Lower	776, 0.147, ENE
91	PUBLIC SERVICE TRANS	E. SIDE 710MHWY -BTW	CA SWF/LF	Higher	786, 0.149, NW
K92		0730 W ESTHER ST	CA UST	Lower	790, 0.150, NNE
Q93		739 W PACIFIC COAST	EDR US Hist Auto Stat	Lower	793, 0.150, NNE
Q94	RELIABLE CLEANERS &	733 W PACIFIC COAS	EDR US Hist Cleaners	Lower	806, 0.153, NNE
Q95	RELIABLE CLEANERS &	733 W PACIFIC COAS	EDR US Hist Cleaners	Lower	812, 0.154, NNE
Q96		0700 W PACIFIC COAST	CA UST	Lower	827, 0.157, NNE
O97		666 W COWLES ST	EDR US Hist Auto Stat	Higher	853, 0.162, ENE
O98	AIR CARGO (NOT PREVI	0665 W COWLES ST #3	CA UST	Higher	862, 0.163, ENE
99	V & S TRANSPORTATION	1100 DE FOREST AVE	CA UST	Lower	922, 0.175, South
P100	BOYD INDUSTRIAL COAT	651 W 15TH ST	RCRA-SQG, FINDS, CA HAZNET	Lower	929, 0.176, ENE
P101		651 W 15TH ST	EDR US Hist Auto Stat	Lower	929, 0.176, ENE
R102	BRYANT S AUTO RE CON	689 W ESTHER ST	EDR US Hist Auto Stat	Lower	932, 0.177, NNE
O103	DOUGLAS PRODUCE	648 COWLES ST	CA HIST CORTESE, CA LUST	Higher	939, 0.178, East
O104		648 W COWLES ST	EDR US Hist Auto Stat	Higher	939, 0.178, East
S105	CALIFORNIA REFRIGERA	625 W ANAHEIM ST	FTTS, HIST FTTS, CA UST	Lower	953, 0.180, ESE
S106	LONG BEACH COLD STOR	625 WEST ANAHEIM STR	CERCLIS	Lower	953, 0.180, ESE
P107		0640 W 15TH ST	CA UST	Lower	975, 0.185, ENE
T108	VACANT	0640 W 16TH ST	CA UST	Higher	978, 0.185, NE
U109	SUN HARDWARE CO, INC	635 W 15TH ST	CA DRYCLEANERS	Lower	1003, 0.190, ENE
Q110	JACK'S MOBIL SERVICE	701 W PACIFIC COAST	EDR US Hist Auto Stat	Lower	1007, 0.191, NNE
Q111		0701 W PACIFIC COAST	CA UST	Lower	1007, 0.191, NNE
Q112	WISDOM S MOBIL SERVI	701 W PACIFIC COAS	EDR US Hist Auto Stat	Lower	1012, 0.192, NNE
Q113	LA MIRAGE INN	701 PACIFIC COAST HW	CA HIST CORTESE, CA LUST	Lower	1012, 0.192, NNE
U114	VACANT	0600 W 15TH ST	CA UST	Lower	1018, 0.193, ENE
U115	AIR CARGO EQUIPMENT	600 W 15TH ST	RCRA-SQG, FINDS, CA FID UST, CA HIST UST, CA...	Lower	1018, 0.193, ENE
Q116	SO CAL COASTAL WATER	646 W PACIFIC COAST	RCRA-SQG, FINDS, CA HAZNET	Lower	1056, 0.200, NNE
R117		0653 W ESTHER ST	CA UST	Lower	1074, 0.203, NNE

MAPPED SITES SUMMARY

Target Property Address:
SAN FRANCISCO AVE/W ANAHEIM ST
LONG BEACH, CA 90813

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MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
R118		0650 W ESTHER ST	CA UST	Lower	1078, 0.204, NNE
V119	ASSOCIATED BREWERS D	615 017TH ST W	CA HIST CORTESE, CA LUST	Lower	1083, 0.205, NE
R120		646 W ESTHER ST	EDR US Hist Auto Stat	Lower	1094, 0.207, NE
R121	BRYANT S AUTO RE-CON	639 W ESTHER ST	EDR US Hist Auto Stat	Lower	1097, 0.208, NNE
R122	MEADOWS ROOFING	0645 W ESTHER ST	CA UST	Lower	1107, 0.210, NE
V123	VACANT	0615 W 17TH ST	CA UST	Lower	1119, 0.212, NE
W124	SPICK & SPAN LAUNDRY	609 COWLES	EDR US Hist Cleaners	Lower	1133, 0.215, East
X125	NEILL AIRCRAFT CO.	1227 W COWLES ST	CA UST	Lower	1136, 0.215, West
X126	JERRY & KATHLEEN GLI	1234 COWLES ST	CA FID UST, CA SWEEPS UST	Lower	1157, 0.219, West
X127	SPEEDY FUEL, INC.	1234 COWLES ST W	CA LUST	Lower	1157, 0.219, West
X128	MICOR LONG BEACH LLC	1234 W COWLES ST	CA UST	Lower	1159, 0.220, West
X129		1234 W COWLES ST	EDR US Hist Auto Stat	Lower	1159, 0.220, West
X130	MICOR ENERGY LLC	1234 COWLES	CA HIST CORTESE	Lower	1159, 0.220, West
Y131		0602 W ANAHEIM ST	CA UST	Higher	1164, 0.220, ESE
Y132	UHL AUTO REPAIR	602 W ANAHEIM ST	EDR US Hist Auto Stat	Higher	1164, 0.220, ESE
Z133	QUAN LEE	630 W PACIFIC COAS	EDR US Hist Cleaners	Lower	1166, 0.221, NNE
Z134	QUAN LEE LAUNDRY	630 W PACIFIC COAS	EDR US Hist Cleaners	Lower	1174, 0.222, NNE
R135		629 W ESTHER ST	EDR US Hist Auto Stat	Lower	1174, 0.222, NE
W136		1433 DAISY AVE	EDR US Hist Auto Stat	Higher	1175, 0.223, East
W137	LONG BEACH BLUEPRINT	1435 DAISY AVE	CA UST	Higher	1175, 0.223, East
U138	R & M ENTERPRISES	1501 DAISY AVE	CA HIST CORTESE, CA LUST	Lower	1175, 0.223, ENE
U139	H&S IRON WORKS	1501 DAISY AVE	CA UST	Lower	1175, 0.223, ENE
S140	HAMASAKI K	600 W 14TH ST	EDR US Hist Auto Stat	Higher	1179, 0.223, East
S141	BUCHANAN W O	1318 DAISY AV	EDR US Hist Auto Stat	Higher	1179, 0.223, ESE
S142	SQUARE DEAL AUTO REP	1324 DAISY AV	EDR US Hist Auto Stat	Higher	1180, 0.223, ESE
X143	GAYLORD INSPECTION L	1243 W COWLES	RCRA NonGen / NLR, FINDS	Lower	1182, 0.224, West
S144	MARINE GLASS CO	1350 DAISY AVE	CA UST	Higher	1182, 0.224, ESE
W145		1450 DAISY AVE	CA UST	Lower	1183, 0.224, East
U146		1500 DAISY AVE	CA UST	Lower	1184, 0.224, ENE
S147	FAULDS WM	1388 DAISY AVE	EDR US Hist Auto Stat	Higher	1185, 0.224, ESE
S148	CLEAN RITE LAUNDRY	1388 DAISY AV	EDR US Hist Cleaners	Higher	1185, 0.224, ESE
V149		1645 DAISY AVE	CA UST	Lower	1185, 0.224, NE
150	NEAL FASHION	1402 DAISY AVE	CA UST	Higher	1186, 0.225, East
T151		1600 DAISY AVE	CA UST	Higher	1192, 0.226, NE
V152	R & M PLATING COMPAN	1640 DAISY STREET	RCRA-LQG, FINDS	Lower	1192, 0.226, NE
V153	R & M PLATING COMPAN	1640 DAISY STREET	RCRA-SQG, CA HIST UST	Lower	1192, 0.226, NE
V154	FINE QUALITY METAL F	1640 DAISY AVENUE	RCRA-LQG	Lower	1192, 0.226, NE
Y155		551 W ANAHEIM ST	EDR US Hist Auto Stat	Higher	1196, 0.227, ESE
Y156	FINGADO'S MOBIL SERV	551 W ANAHEIM	EDR US Hist Auto Stat	Higher	1196, 0.227, ESE

MAPPED SITES SUMMARY

Target Property Address:
SAN FRANCISCO AVE/W ANAHEIM ST
LONG BEACH, CA 90813

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Y157	EXXONMOBIL OIL CORP	551 WEST ANAHEIM ST	RCRA-LQG	Higher	1196, 0.227, ESE
Y158	SMITH BROTHERS AUTO	0551 W ANAHEIM ST	CA UST	Higher	1196, 0.227, ESE
AA159		623 W ESTHER ST	EDR US Hist Auto Stat	Lower	1199, 0.227, NE
AA160		621 W ESTHER ST	EDR US Hist Auto Stat	Lower	1208, 0.229, NE
Y161	FIRE STATION 3	1222 DAISY AVE	CA UST	Higher	1235, 0.234, SE
AB162	NEILL AIRCRAFT INC	1260 W 15TH ST	CA UST	Lower	1238, 0.234, WNW
AB163	NEILL AIRCRAFT COMPA	1260 W 15TH STREET	RCRA-SQG, FINDS, CA LUST	Lower	1238, 0.234, WNW
AC164	BT EQUIPMENT CO	1255 W 17TH ST	CA NPDES, CA HIST UST	Lower	1258, 0.238, NW
AC165	BERNS CO	1255 W 17TH ST	CA UST	Lower	1258, 0.238, NW
AC166	B-T EQUIPMENT CO INC	1259 W 17TH ST	RCRA-SQG, FINDS	Lower	1267, 0.240, NW
AD167	ORGANIC COMPOUNDS IN	1265 W 16TH ST	CERC-NFRAP	Lower	1267, 0.240, NW
AD168	ORGANIC COMPOUNDS IN	1265 W 16TH ST	CA UST	Lower	1267, 0.240, NW
AD169	SNEED JOHN J	1265 W 16TH ST	EDR US Hist Auto Stat	Lower	1267, 0.240, NW
AA170		1745 DAISY AVE	EDR US Hist Auto Stat	Lower	1279, 0.242, NE
AC171	D & S LAUNDERALL SER	1265 W 17TH ST	EDR US Hist Cleaners	Lower	1280, 0.242, NW
Z172	ZIMMERMAN S.	600 W PACIFIC COAS	EDR US Hist Auto Stat	Lower	1297, 0.246, NNE
Z173	ZIMMERMAN S.	600 W PACIFIC COAS	EDR US Hist Auto Stat	Lower	1297, 0.246, NNE
Z174	GULF OIL SERVICE STA	600 W PAC COAST HIGH	EDR US Hist Auto Stat	Lower	1297, 0.246, NNE
175		1020 DE FOREST AVE	CA UST	Lower	1309, 0.248, South
AC176	MCMULLEN OIL CO.	1651 FASHION AVE.	CA LUST	Lower	1367, 0.259, NW
AC177	ACME OIL CO (MCMULLE	1651 FASHION AVE.	CA LUST	Lower	1367, 0.259, NW
Y178	EXXONMOBIL 99LBC	551 WEST ANAHEIM STR	CA LUST	Higher	1374, 0.260, ESE
AD179	ACME OIL CO (MCMULLE	1305 016TH	CA HIST CORTESE	Lower	1447, 0.274, NW
AC180	HYDRO SERVICES CO	1322 17TH ST	RCRA-SQG, FINDS, CA HIST CORTESE, CA UST	Lower	1485, 0.281, NW
181	SHELL #204-4482-7503	500 ANAHEIM ST.	CA LUST	Higher	1561, 0.296, ESE
182	DIAMOND U PRODUCTS,	1429 MAGNOLIA AVE	CA HIST CORTESE, CA LUST	Higher	1563, 0.296, East
AE183	CAMPBELL CONTOUR ATT	1320 W ESTHER ST	CERC-NFRAP	Lower	1564, 0.296, NW
AE184	MARINE HARDWARE CO	1322 017TH ST W	CA LUST	Lower	1585, 0.300, NW
AF185	BULK TERMINAL	960 DE FOREST AVE	CA HIST CORTESE, CA LUST, CA SLIC	Higher	1606, 0.304, South
AF186	CHARTER INTL OIL TRA	960 DEFOREST AVE	CERC-NFRAP, RCRA-LQG	Higher	1606, 0.304, South
AG187	NATIONAL PLANT SERVI	1364 W 16TH ST	CA HIST CORTESE, CA HIST UST	Lower	1690, 0.320, WNW
AG188	NATIONAL PLANT SERVI	1364 016TH ST W	CA LUST	Lower	1721, 0.326, WNW
AH189	GEORGE MITCHEL	1326 012TH ST W	CA HIST CORTESE, CA LUST	Lower	1732, 0.328, WSW
AH190	GOODYEAR	1350 12TH	CA HIST CORTESE	Lower	1780, 0.337, WSW
AI191	FORMER ROCKET STATIO	465 PACIFIC COAST HW	CA LUST	Lower	1839, 0.348, NE
AI192	ROCKET #6	465 PACIFIC COAST	CA HIST CORTESE	Lower	1839, 0.348, NE
AJ193	UNOCAL #5021	1345 PACIFIC COAST H	CA LUST	Lower	1854, 0.351, NW
AG194	BRANNEN PIPE & SUPPL	1650 HARBOR AVE	CA HIST CORTESE, CA LUST, CA HIST UST	Lower	1867, 0.354, WNW
AG195	BRANNEN PIPE & SUPPL	1650 HARBOR BLVD	CA LUST	Lower	1867, 0.354, WNW

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SAN FRANCISCO AVE/W ANAHEIM ST
LONG BEACH, CA 90813

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AJ196	TOSCO - 76 STATION #	1410 PACIFIC COAST H	CA LUST	Lower	1942, 0.368, NW
AJ197	76 PRODUCTS STATION	1410 PACIFIC COAST	CA HIST CORTESE	Lower	1942, 0.368, NW
198	SANTA FE PACIFIC PIP	DE FOREST AVE	CA HIST CORTESE, CA LUST	Lower	2004, 0.380, South
199	RUSSELL TRUCK COMPAN	1430 011TH ST W	CA HIST CORTESE, CA LUST	Lower	2083, 0.395, WSW
200	TIDELANDS OIL	1348 WEST NINTH ST	CA SLIC	Higher	2136, 0.405, SW
AK201	MTA DIV. 12	970 CHESTER PL W.	CA LUST	Lower	2143, 0.406, South
AK202	LA CO., METROPOLITAN	970 W CHESTER PL	CA SLIC, CA EMI, CA WDS	Lower	2144, 0.406, South
203	I-CHEM INTERNATIONAL	1455 16TH ST. W.	CA LUST	Lower	2149, 0.407, WNW
AL204	FORMER COMMERCIAL TR	1468 14TH ST W	CA LUST	Lower	2218, 0.420, West
AL205	COMMERCIAL TRUCK BOD	1468 014TH	CA HIST CORTESE, CA LUST	Lower	2284, 0.433, West
AM206	TIDELAND OIL	1348 009TH	CA SLIC	Lower	2322, 0.440, SW
207	CASTLE CAR WASH	1500 PACIFIC COAST H	CA HIST CORTESE, CA LUST	Lower	2390, 0.453, NW
AN208	PRINT L.A. INC.	1520 016TH ST W	CA LUST	Lower	2472, 0.468, WNW
209	EAGLE INDUSTRIES (IL	1517 W ESTHER ST	CA LUST, CA UST	Lower	2478, 0.469, WNW
AM210	SULLIVAN CHEM CO INC	1470 W 9TH ST	CERC-NFRAP	Lower	2506, 0.475, SW
AO211	TRANS WORLD OIL CORP	1532 ANAHEIM ST W	CA LUST	Lower	2534, 0.480, WSW
AP212	SNYDER MFG CORPORATI	1541 COWLES	CA HIST CORTESE, LA Co. Site Mitigation	Lower	2576, 0.488, West
213	ARCO MARINE TERMINAL	1300 PIER B	CA NPDES, CA SLIC, CA CHMIRS, CA ENF	Lower	2578, 0.488, SW
AP214	SNYDER MFG CORP	1541 W COWLES ST	CERC-NFRAP, CA ENVIROSTOR	Lower	2582, 0.489, West
AO215	CAL BUMPER CO INC	1555 W ANAHEIM ST	CA EMI, CA ENVIROSTOR, CA WDS	Lower	2692, 0.510, West
AN216	DION & SONS INC	1569 016TH ST W	CA HIST CORTESE, CA LUST, CA EMI, CA ENVIROSTOR	Lower	2721, 0.515, WNW
217	ANAHEIM STREET SCHOO	ANAHEIM STREET/PACIF	CA SCH, CA ENVIROSTOR	Higher	2895, 0.548, ESE
218	CALBLASCO INC	1620 WEST 16TH STREE	CA ENVIROSTOR	Lower	2980, 0.564, WNW
AQ219	CROSBY & OVERTON	1610 W 17TH STREET	RCRA-TSDF, CERC-NFRAP, CORRACTS, RCRA-LQG, FTTS,..	Lower	3034, 0.575, WNW
AQ220	CROSBY & OVERTON PLA	1630 W 17TH ST	CA NPDES, CA ENVIROSTOR, CA WDS	Lower	3034, 0.575, WNW
221	LONG BEACH PLATING C	1620 WEST ANAHEIM ST	CA EMI, CA ENVIROSTOR	Lower	3041, 0.576, WSW
222	LBUSD CABRILLO	2001 SANTA FE AVE	RCRA-SQG, FINDS, CA SCH, CA NPDES, CA ENVIROSTOR	Higher	3682, 0.697, NW
223	QUALITY ALUMINUM FOR	1411 COTA AVE.	CA ENVIROSTOR	Lower	3715, 0.704, West
224	1710 PIER B STREET	1710 PIER B STREET	CA NPDES, CA VCP, CA EMI, CA ENVIROSTOR	Lower	4318, 0.818, WSW
AR225	EDISON/LONG BEACH MG	LG BEACH AREA, 8TH I	EDR MGP	Lower	4701, 0.890, WSW
AR226	EDISON/LONG BEACH II	LG BCH HARBOR AREA,	CA VCP, CA ENVIROSTOR	Lower	4786, 0.906, WSW
227	BEAR STATE ELECTRICA	2105 WEST COWLES STR	CA ENVIROSTOR	Lower	4806, 0.910, West
228	PETRO DIAMOND MARINE	1920 LUGGER WAY	CA NPDES, CA HIST CORTESE, CA LUST, CA ENF, CA...	Higher	5043, 0.955, WSW
229	ROOSEVELT ELEMENTARY	1574 LINDEN AVENUE	CA SCH, CA NPDES, CA ENVIROSTOR	Higher	5245, 0.993, East

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 8 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
SIFTON A D 949 W ANAHEIM ST LONG BEACH, CA	EDR US Hist Auto Stat	N/A
CITY OF L.B. PUBLIC 1725 SAN FRANCISCO A LONG BEACH, CA	CA UST	N/A
CITY OF LONG BEACH T 901 W ANAHEIM ST LONG BEACH, CA 90813	CA HAZNET GEPAID: CAL000080247	N/A
CITY OF LONG BEACH T 901 W ANAHEIM LONG BEACH, CA 90813	CA HAZNET GEPAID: CAL000036475	N/A
CITY OF LONG BEACH 0929 W ANAHEIM ST LONG BEACH, CA	CA UST	N/A
VEHICLE TOW YARD 901 ANAHEIM ST W LONG BEACH, CA	CA RGA LUST	N/A
PUBLIC SERVICE YARD 1725 SAN FRANCISCO A LONG BEACH, CA 90813	CA HIST CORTESE Reg Id: 908130607 CA LUST Global Id: T0603701971 Global ID: T0603701971 Status: Completed - Case Closed Facility Id: 908130607 Status: Preliminary site assessment underway	N/A
LONG BEACH CITY TOW 901 ANAHEIM ST W LONG BEACH, CA 90813	CA LUST Global Id: T0603701960 Global ID: T0603701960 Status: Completed - Case Closed Facility Id: 908130498 Status: Preliminary site assessment workplan submitted	N/A
LONG BEACH CITY PUB 1601 SAN FRANCISCO A LONG BEACH, CA 90813	RCRA-SQG EPA ID:: CAD981632235 FINDS Registry ID:: 110013829474	CAD981632235

EXECUTIVE SUMMARY

VEHICLE TOW YARD 901 ANAHEIM LONG BEACH, CA	CA HIST CORTESE Reg Id: 908130498	N/A
LONG BEACH CITY TOW 901 ANAHEIM ST W LONG BEACH, CA	CA RGA LUST	N/A
901 W ANAHEIM ST 901 W ANAHEIM ST LONG BEACH, CA 90813	CA CDL Facility Id: 200001003 Facility Id: 199903127	N/A
LONG BEACH TESTING L 1475 SAN FRANCISCO A LONG BEACH, CA 90813	RCRA-SQG EPA ID:: CAD981972201 FINDS Registry ID:: 110002760502	CAD981972201

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL..... National Priority List
Proposed NPL..... Proposed National Priority List Sites
NPL LIENS..... Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL..... National Priority List Deletions

Federal CERCLIS list

FEDERAL FACILITY..... Federal Facility Site Information listing

Federal RCRA generators list

RCRA-CESQG..... RCRA - Conditionally Exempt Small Quantity Generator

Federal institutional controls / engineering controls registries

US ENG CONTROLS..... Engineering Controls Sites List

EXECUTIVE SUMMARY

US INST CONTROL..... Sites with Institutional Controls
LUCIS..... Land Use Control Information System

Federal ERNS list

ERNS..... Emergency Response Notification System

State- and tribal - equivalent NPL

CA RESPONSE..... State Response Sites

State and tribal leaking storage tank lists

INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

INDIAN UST..... Underground Storage Tanks on Indian Land
FEMA UST..... Underground Storage Tank Listing

State and tribal voluntary cleanup sites

INDIAN VCP..... Voluntary Cleanup Priority Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations
ODI..... Open Dump Inventory
CA SWRCY..... Recycler Database
INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands
CA WMUDS/SWAT..... Waste Management Unit Database

Local Lists of Hazardous waste / Contaminated Sites

US CDL..... Clandestine Drug Labs
CA HIST Cal-Sites..... Historical Calsites Database
CA Toxic Pits..... Toxic Pits Cleanup Act Sites
CA AOCONCERN..... San Gabriel Valley Areas of Concern
US HIST CDL..... National Clandestine Laboratory Register

Local Land Records

LIENS 2..... CERCLA Lien Information
CA LIENS..... Environmental Liens Listing
CA DEED..... Deed Restriction Listing

Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System

EXECUTIVE SUMMARY

CA LDS..... Land Disposal Sites Listing
CA MCS..... Military Cleanup Sites Listing
CA SPILLS 90..... SPILLS 90 data from FirstSearch

Other Ascertainable Records

DOT OPS..... Incident and Accident Data
DOD..... Department of Defense Sites
FUDS..... Formerly Used Defense Sites
CONSENT..... Superfund (CERCLA) Consent Decrees
ROD..... Records Of Decision
UMTRA..... Uranium Mill Tailings Sites
US MINES..... Mines Master Index File
TRIS..... Toxic Chemical Release Inventory System
TSCA..... Toxic Substances Control Act
SSTS..... Section 7 Tracking Systems
ICIS..... Integrated Compliance Information System
MLTS..... Material Licensing Tracking System
RADINFO..... Radiation Information Database
RAATS..... RCRA Administrative Action Tracking System
RMP..... Risk Management Plans
CA BOND EXP. PLAN..... Bond Expenditure Plan
CA UIC..... UIC Listing
CA Cortese..... "Cortese" Hazardous Waste & Substances Sites List
CA CUPA Listings..... CUPA Resources List
CA Notify 65..... Proposition 65 Records
CA WIP..... Well Investigation Program Case List
INDIAN RESERV..... Indian Reservations
SCRD DRYCLEANERS..... State Coalition for Remediation of Drycleaners Listing
CA Financial Assurance..... Financial Assurance Information Listing
CA PROC..... Certified Processors Database
LEAD SMELTERS..... Lead Smelter Sites
US AIRS..... Aerometric Information Retrieval System Facility Subsystem
EPA WATCH LIST..... EPA WATCH LIST
COAL ASH EPA..... Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER..... PCB Transformer Registration Database
COAL ASH DOE..... Steam-Electric Plant Operation Data
PRP..... Potentially Responsible Parties

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

CA RGA LF..... Recovered Government Archive Solid Waste Facilities List

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property. Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

EXECUTIVE SUMMARY

STANDARD ENVIRONMENTAL RECORDS

Federal CERCLIS list

CERCLIS: The Comprehensive Environmental Response, Compensation and Liability Information System contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

A review of the CERCLIS list, as provided by EDR, and dated 10/25/2013 has revealed that there is 1 CERCLIS site within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
LONG BEACH COLD STOR	625 WEST ANAHEIM STR	ESE 1/8 - 1/4 (0.180 mi.)	S106	122

Federal CERCLIS NFRAP site List

CERC-NFRAP: Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

A review of the CERC-NFRAP list, as provided by EDR, and dated 10/25/2013 has revealed that there are 7 CERC-NFRAP sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CHARTER INTL OIL TRA	960 DEFOREST AVE	S 1/4 - 1/2 (0.304 mi.)	AF186	201
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
AIR PROD AND CHEM IN	901 W 12TH ST	S 0 - 1/8 (0.074 mi.)	I48	66
WESTERN ELECTROPLATI	820 W ESTHER ST	NNE 0 - 1/8 (0.102 mi.)	K60	73
ORGANIC COMPOUNDS IN	1265 W 16TH ST	NW 1/8 - 1/4 (0.240 mi.)	AD167	177
CAMPBELL CONTOUR ATT	1320 W ESTHER ST	NW 1/4 - 1/2 (0.296 mi.)	AE183	193
SULLIVAN CHEM CO INC	1470 W 9TH ST	SW 1/4 - 1/2 (0.475 mi.)	AM210	269
SNYDER MFG CORP	1541 W COWLES ST	W 1/4 - 1/2 (0.489 mi.)	AP214	280

Federal RCRA CORRACTS facilities list

CORRACTS: CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

A review of the CORRACTS list, as provided by EDR, and dated 03/10/2015 has revealed that there is 1

EXECUTIVE SUMMARY

CORRACTS site within approximately 1 mile of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CROSBY & OVERTON	1610 W 17TH STREET	WNW 1/2 - 1 (0.575 mi.)	AQ219	295

Federal RCRA generators list

RCRA-LQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

A review of the RCRA-LQG list, as provided by EDR, and dated 03/10/2015 has revealed that there are 5 RCRA-LQG sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
EXXONMOBIL OIL CORP	551 WEST ANAHEIM ST	ESE 1/8 - 1/4 (0.227 mi.)	Y157	162
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ARAMARK UNIFORM & CA	702 W ANAHEIM ST	SE 0 - 1/8 (0.071 mi.)	H42	58
NOVA TECHNO CORPORAT	1368 OREGON AVENUE	ESE 1/8 - 1/4 (0.130 mi.)	M82	99
R & M PLATING COMPAN	1640 DAISY STREET	NE 1/8 - 1/4 (0.226 mi.)	V152	153
FINE QUALITY METAL F	1640 DAISY AVENUE	NE 1/8 - 1/4 (0.226 mi.)	V154	157

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 03/10/2015 has revealed that there are 14 RCRA-SQG sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
THOMPSON FAMILY TRUS	741 W 17TH ST	NNE 0 - 1/8 (0.110 mi.)	L65	78
WARD BARKER INC	707 W 16TH ST	NE 0 - 1/8 (0.124 mi.)	J70	86
DAISY SUBSTATION	1700 OREGON ST	NNE 1/8 - 1/4 (0.137 mi.)	L87	105
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SEVEN STRAND TACKLE	899 W COWLES ST	NE 0 - 1/8 (0.020 mi.)	C23	28
HARBOR DIESEL & EQUI	537 WEST ANAHEIM STR	E 0 - 1/8 (0.060 mi.)	F31	36
AIR PROD AND CHEM IN	901 W 12TH ST	S 0 - 1/8 (0.074 mi.)	I48	66
ELLIS PAINT CO	1200 OREGON AVE	SE 0 - 1/8 (0.113 mi.)	N67	80
BOLA CHEMICALS	1524 OREGON AVE	NE 1/8 - 1/4 (0.141 mi.)	P89	107
BOYD INDUSTRIAL COAT	651 W 15TH ST	ENE 1/8 - 1/4 (0.176 mi.)	P100	112
AIR CARGO EQUIPMENT	600 W 15TH ST	ENE 1/8 - 1/4 (0.193 mi.)	U115	128
SO CAL COASTAL WATER	646 W PACIFIC COAST	NNE 1/8 - 1/4 (0.200 mi.)	Q116	131
R & M PLATING COMPAN	1640 DAISY STREET	NE 1/8 - 1/4 (0.226 mi.)	V153	156
NEILL AIRCRAFT COMPA	1260 W 15TH STREET	WNW 1/8 - 1/4 (0.234 mi.)	AB163	165

EXECUTIVE SUMMARY

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
B-T EQUIPMENT CO INC	1259 W 17TH ST	NW 1/8 - 1/4 (0.240 mi.)	AC166	175

State- and tribal - equivalent CERCLIS

CA ENVIROSTOR: The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifies sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

A review of the CA ENVIROSTOR list, as provided by EDR, and dated 05/04/2015 has revealed that there are 15 CA ENVIROSTOR sites within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ANAHEIM STREET SCHOO Facility Id: 19550025 Status: Inactive - Needs Evaluation	ANAHEIM STREET/PACIF	ESE 1/2 - 1 (0.548 mi.)	217	291
LBUSD CABRILLO Facility Id: 19010025 Status: No Further Action	2001 SANTA FE AVE	NW 1/2 - 1 (0.697 mi.)	222	452
PETRO DIAMOND MARINE Facility Id: 71002369 Status: Refer: Other Agency	1920 LUGGER WAY	WSW 1/2 - 1 (0.955 mi.)	228	489
ROOSEVELT ELEMENTARY Facility Id: 60001492 Status: No Further Action	1574 LINDEN AVENUE	E 1/2 - 1 (0.993 mi.)	229	504

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
WESTERN ELECTROPLATI Facility Id: 19340289 Status: Refer: Other Agency	820 WEST ESTHER STRE	NNE 0 - 1/8 (0.102 mi.)	K58	72
SNYDER MFG CORP Facility Id: 19280503 Status: Refer: Other Agency	1541 W COWLES ST	W 1/4 - 1/2 (0.489 mi.)	AP214	280
CAL BUMPER CO INC Facility Id: 71002353 Status: Refer: Other Agency	1555 W ANAHEIM ST	W 1/2 - 1 (0.510 mi.)	AO215	282
DION & SONS INC Facility Id: 19290263 Status: Refer: RWQCB	1569 016TH ST W	WNW 1/2 - 1 (0.515 mi.)	AN216	285
CALBLASCO INC Facility Id: 19350398 Status: Refer: RCRA	1620 WEST 16TH STREE	WNW 1/2 - 1 (0.564 mi.)	218	293

EXECUTIVE SUMMARY

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CROSBY & OVERTON PLA Facility Id: 80001355 Status: Active	1630 W 17TH ST	WNW 1/2 - 1 (0.575 mi.)	AQ220	445
LONG BEACH PLATING C Facility Id: 71002202 Status: Refer: Other Agency	1620 WEST ANAHEIM ST	WSW 1/2 - 1 (0.576 mi.)	221	451
QUALITY ALUMINUM FOR Facility Id: 71002791 Status: Refer: Other Agency	1411 COTA AVE.	W 1/2 - 1 (0.704 mi.)	223	460
1710 PIER B STREET Facility Id: 19290290 Status: Active	1710 PIER B STREET	WSW 1/2 - 1 (0.818 mi.)	224	461
EDISON/LONG BEACH II Facility Id: 19490233 Status: Certified / Operation & Maintenance	LG BCH HARBOR AREA,	WSW 1/2 - 1 (0.906 mi.)	AR226	481
BEAR STATE ELECTRICA Facility Id: 19360096 Status: Refer: Other Agency	2105 WEST COWLES STR	W 1/2 - 1 (0.910 mi.)	227	488

State and tribal landfill and/or solid waste disposal site lists

CA SWF/LF: The Solid Waste Facilities/Landfill Sites records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. The data come from the Integrated Waste Management Board's Solid Waste Information System (SWIS) database.

A review of the CA SWF/LF list, as provided by EDR, and dated 05/18/2015 has revealed that there is 1 CA SWF/LF site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
PUBLIC SERVICE TRANS Regulation Status: Notification Operational Status: Active Facility ID: 19-AA-1047	E. SIDE 710MHWY -BTW	NW 1/8 - 1/4 (0.149 mi.)	91	109

State and tribal leaking storage tank lists

CA LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the State Water Resources Control Board Leaking Underground Storage Tank Information System.

A review of the CA LUST list, as provided by EDR, and dated 03/13/2015 has revealed that there are 36 CA LUST sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
BKK CORP Global Id: T0603701968 Global ID: T0603701968 Status: Completed - Case Closed Facility Id: 908130570 Status: Case Closed	0800 W 15TH ST	NE 0 - 1/8 (0.068 mi.)	G36	49

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<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
DOUGLAS PRODUCE Global Id: T0603701946 Global ID: T0603701946 Status: Open - Site Assessment Facility Id: 908130325 Status: Pollution Characterization	648 COWLES ST	E 1/8 - 1/4 (0.178 mi.)	O103	115
EXXONMOBIL 99LBC Global Id: T10000004446 Status: Completed - Case Closed	551 WEST ANAHEIM STR	ESE 1/4 - 1/2 (0.260 mi.)	Y178	184
SHELL #204-4482-7503 Global Id: T0603757536 Status: Open - Site Assessment	500 ANAHEIM ST.	ESE 1/4 - 1/2 (0.296 mi.)	181	187
DIAMOND U PRODUCTS, Global Id: T0603700054 Global ID: T0603700054 Status: Completed - Case Closed Facility Id: 013191-01 Status: Case Closed	1429 MAGNOLIA AVE	E 1/4 - 1/2 (0.296 mi.)	182	191
BULK TERMINAL Global ID: T0603701921 Facility Id: 908130061 Status: Pollution Characterization	960 DE FOREST AVE	S 1/4 - 1/2 (0.304 mi.)	AF185	199
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
THE FOOD BANK OF SOU Global Id: T0603701935 Global ID: T0603701935 Status: Completed - Case Closed Facility Id: 908130216 Status: Case Closed	1444 SAN FRANCISCO	E 0 - 1/8 (0.006 mi.)	A17	24
HARBOR DIESEL & EQUI Global Id: T0603701927 Global ID: T0603701927 Status: Completed - Case Closed Facility Id: 908130125 Status: Case Closed	0537 W ANAHEIM ST	E 0 - 1/8 (0.060 mi.)	F32	38
T R OIL SERVICES L O Global Id: T0603701954 Global ID: T0603701954 Status: Completed - Case Closed Facility Id: 908130407 Status: Case Closed	801 WEST 14TH STREET	E 0 - 1/8 (0.060 mi.)	F34	41
ARATEX SERVICES (ARA Global ID: T0603701930 Facility Id: 908130161 Status: Remedial action (cleanup) Underway	702 ANAHEIM ST W	SE 0 - 1/8 (0.071 mi.)	H45	64
WEST COAST CHOPPERS Global Id: T0603701939 Global ID: T0603701939 Status: Completed - Case Closed Facility Id: 908130252 Status: Preliminary site assessment workplan submitted	718 ANAHEIM ST W	SE 1/8 - 1/4 (0.130 mi.)	N78	91

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Lower Elevation	Address	Direction / Distance	Map ID	Page
LA MIRAGE INN Global Id: T0603701827 Global ID: T0603701827 Status: Completed - Case Closed Facility Id: 908060089 Status: Case Closed	701 PACIFIC COAST HW	NNE 1/8 - 1/4 (0.192 mi.)	Q113	125
ASSOCIATED BREWERS D Global Id: T0603701957 Global ID: T0603701957 Status: Completed - Case Closed Facility Id: 908130461 Status: Case Closed	615 017TH ST W	NE 1/8 - 1/4 (0.205 mi.)	V119	133
SPEEDY FUEL, INC. Global Id: T0603701973 Global ID: T0603701973 Status: Open - Eligible for Closure Facility Id: 908130625 Status: Pollution Characterization	1234 COWLES ST W	W 1/8 - 1/4 (0.219 mi.)	X127	138
R & M ENTERPRISES Global Id: T0603701938 Global ID: T0603701938 Status: Completed - Case Closed Facility Id: 908130243 Status: Case Closed	1501 DAISY AVE	ENE 1/8 - 1/4 (0.223 mi.)	U138	146
NEILL AIRCRAFT COMPA Global Id: T0603701965 Global ID: T0603701965 Status: Open - Eligible for Closure Facility Id: 908130543 Status: Pollution Characterization	1260 W 15TH STREET	WNW 1/8 - 1/4 (0.234 mi.)	AB163	165
MCMULLEN OIL CO. Global Id: T0603701931 Status: Completed - Case Closed	1651 FASHION AVE.	NW 1/4 - 1/2 (0.259 mi.)	AC176	180
ACME OIL CO (MCMULLE Global ID: T0603701931 Facility Id: 908130189 Status: Preliminary site assessment underway	1651 FASHION AVE.	NW 1/4 - 1/2 (0.259 mi.)	AC177	183
MARINE HARDWARE CO Global Id: T0603701962 Global ID: T0603701962 Status: Completed - Case Closed Facility Id: 908130516 Status: Remediation Plan	1322 017TH ST W	NW 1/4 - 1/2 (0.300 mi.)	AE184	194
NATIONAL PLANT SERVI Global Id: T0603701928 Global ID: T0603701928 Status: Completed - Case Closed Facility Id: 908130143 Status: Case Closed	1364 016TH ST W	WNW 1/4 - 1/2 (0.326 mi.)	AG188	205
GEORGE MITCHEL Global Id: T0603701919 Global ID: T0603701919 Status: Open - Site Assessment Facility Id: 908130043 Status: Pollution Characterization	1326 012TH ST W	WSW 1/4 - 1/2 (0.328 mi.)	AH189	207

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Lower Elevation	Address	Direction / Distance	Map ID	Page
FORMER ROCKET STATIO Global Id: T0603701838 Global ID: T0603701838 Status: Open - Site Assessment Facility Id: 908061052 Status: Remedial action (cleanup) Underway	465 PACIFIC COAST HW	NE 1/4 - 1/2 (0.348 mi.)	AI191	214
UNOCAL #5021 Global Id: T0603701653 Global ID: T0603701653 Status: Open - Site Assessment Facility Id: 907440061 Status: Pollution Characterization	1345 PACIFIC COAST H	NW 1/4 - 1/2 (0.351 mi.)	AJ193	220
BRANNEN PIPE & SUPPL Global Id: T0603701955 Status: Completed - Case Closed	1650 HARBOR AVE	WNW 1/4 - 1/2 (0.354 mi.)	AG194	230
BRANNEN PIPE & SUPPL Global ID: T0603701955 Facility Id: 908130416 Status: Case Closed	1650 HARBOR BLVD	WNW 1/4 - 1/2 (0.354 mi.)	AG195	232
TOSCO - 76 STATION # Global Id: T0603701670 Global ID: T0603701670 Status: Open - Eligible for Closure Facility Id: 907440252 Status: Pollution Characterization	1410 PACIFIC COAST H	NW 1/4 - 1/2 (0.368 mi.)	AJ196	233
SANTA FE PACIFIC PIP Global ID: T0603700221 Facility Id: 123091-41 Status: Preliminary site assessment underway	DE FOREST AVE	S 1/4 - 1/2 (0.380 mi.)	198	241
RUSSELL TRUCK COMPAN Global Id: T0603701924 Global ID: T0603701924 Status: Completed - Case Closed Facility Id: 908130098 Status: Case Closed	1430 011TH ST W	WSW 1/4 - 1/2 (0.395 mi.)	199	242
MTA DIV. 12 Global ID: T0603757656 Facility Id: 908130661 Status: Preliminary site assessment underway	970 CHESTER PL W.	S 1/4 - 1/2 (0.406 mi.)	AK201	245
I-CHEM INTERNATIONAL Global Id: T0603743664 Global ID: T0603743664 Status: Open - Site Assessment Facility Id: 908130670 Status: Preliminary site assessment underway	1455 16TH ST. W.	WNW 1/4 - 1/2 (0.407 mi.)	203	249
FORMER COMMERCIAL TR Global Id: T0603701923 Status: Open - Remediation	1468 14TH ST W	W 1/4 - 1/2 (0.420 mi.)	AL204	252
COMMERCIAL TRUCK BOD Global ID: T0603701923 Facility Id: 908130089 Status: Remediation Plan	1468 014TH	W 1/4 - 1/2 (0.433 mi.)	AL205	259

EXECUTIVE SUMMARY

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CASTLE CAR WASH Global Id: T0603701908 Global ID: T0603701908 Status: Completed - Case Closed Facility Id: 908100143 Status: Case Closed	1500 PACIFIC COAST H	NW 1/4 - 1/2 (0.453 mi.)	207	261
PRINT L.A. INC. Global Id: T0603701959 Status: Completed - Case Closed	1520 016TH ST W	WNW 1/4 - 1/2 (0.468 mi.)	AN208	263
EAGLE INDUSTRIES (IL Global Id: T0603792998 Global ID: T0603792998 Status: Open - Eligible for Closure Facility Id: 908130634 Status: Preliminary site assessment workplan submitted	1517 W ESTHER ST	WNW 1/4 - 1/2 (0.469 mi.)	209	265
TRANS WORLD OIL CORP Global Id: T0603701837 Global ID: T0603701837 Status: Completed - Case Closed Facility Id: 908061043 Status: Case Closed	1532 ANAHEIM ST W	WSW 1/4 - 1/2 (0.480 mi.)	AO211	270

CA SLIC: SLIC Region comes from the California Regional Water Quality Control Board.

A review of the CA SLIC list, as provided by EDR, and dated 03/13/2015 has revealed that there are 12 CA SLIC sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
BKK CORPORATION/READ Global Id: SL2047J1677 Facility Status: Open - Verification Monitoring	800 WEST 15TH STREET	NE 0 - 1/8 (0.068 mi.)	G38	54
THOMPSON FAMILY TRUS Global Id: SL0603753707 Facility Status: Open - Site Assessment	741 WEST 17 TH STREE	NNE 0 - 1/8 (0.110 mi.)	L64	77
BULK TERMINAL Global Id: SL2048H2365 Facility Status: Open - Verification Monitoring Facility Status: Site Assessment	960 DE FOREST AVE	S 1/4 - 1/2 (0.304 mi.)	AF185	199
TIDELANDS OIL Global Id: SL184621445 Facility Status: Completed - Case Closed	1348 WEST NINTH ST	SW 1/4 - 1/2 (0.405 mi.)	200	244
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
T R OIL SERVICES L O Global Id: SL204EB2404 Facility Status: Open - Assessment & Interim Remedial Action Facility Status: Site Assessment	801 WEST 14TH STREET	E 0 - 1/8 (0.060 mi.)	F34	41
ARATEX SERVICES Facility Status: Remediation	702 ANAHEIM	SE 0 - 1/8 (0.071 mi.)	H46	65

EXECUTIVE SUMMARY

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ELLIS FAMILY TRUST Facility Status: Inactive	718 ANAHEIM	SE 1/8 - 1/4 (0.130 mi.)	N76	90
NOVA TECHNO CORP Global Id: SL184691452 Facility Status: Completed - Case Closed Facility Status: No further action required	1368 OREGON AVE	ESE 1/8 - 1/4 (0.130 mi.)	M83	100
ARATEX SERVICES INC Global Id: SL204FH2430 Facility Status: Open - Remediation	702 WEST ANAHEIM STR	SE 1/8 - 1/4 (0.135 mi.)	N86	104
LA CO., METROPOLITAN Global Id: T0603757656 Facility Status: Open - Site Assessment	970 W CHESTER PL	S 1/4 - 1/2 (0.406 mi.)	AK202	246
TIDELAND OIL Facility Status: No further action required	1348 009TH	SW 1/4 - 1/2 (0.440 mi.)	AM206	261
ARCO MARINE TERMINAL Global Id: SL374422455 Facility Status: Open - Site Assessment Facility Status: Remediation	1300 PIER B	SW 1/4 - 1/2 (0.488 mi.)	213	272

State and tribal registered storage tank lists

CA UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the CA UST list, as provided by EDR, and dated 03/13/2015 has revealed that there are 58 CA UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
Not reported	1630 SAN FRANCISCO A	N 0 - 1/8 (0.013 mi.)	B20	28
LONG BEACH SEAFOODS	0845 W 16TH ST	NNE 0 - 1/8 (0.021 mi.)	B24	31
LONG BEACH SEAFOODS	0825 W 16TH ST	NNE 0 - 1/8 (0.045 mi.)	B28	35
BKK CORP	0800 W 15TH ST	NE 0 - 1/8 (0.068 mi.)	G36	49
Not reported	0741 W 17TH ST	NNE 0 - 1/8 (0.110 mi.)	L63	77
PACIFIC X-RAY CO	0711 W 16TH ST	NE 0 - 1/8 (0.122 mi.)	J69	86
R G STEPHENS ENGINEE	0707 W 16TH ST	NE 0 - 1/8 (0.124 mi.)	J72	88
HENDERSON & COMPANY	0703 W COWLES ST	ENE 0 - 1/8 (0.125 mi.)	O74	90
Not reported	1451 OREGON AVE	ENE 1/8 - 1/4 (0.129 mi.)	O75	90
CARAVAN MANUFACTURIN	1424 OREGON AVE	E 1/8 - 1/4 (0.131 mi.)	M84	103
Not reported	0700 W 17TH ST	NNE 1/8 - 1/4 (0.132 mi.)	L85	103
AIR CARGO (NOT PREVI	0665 W COWLES ST #3	ENE 1/8 - 1/4 (0.163 mi.)	O98	111
VACANT	0640 W 16TH ST	NE 1/8 - 1/4 (0.185 mi.)	T108	123
Not reported	0602 W ANAHEIM ST	ESE 1/8 - 1/4 (0.220 mi.)	Y131	143
LONG BEACH BLUEPRINT	1435 DAISY AVE	E 1/8 - 1/4 (0.223 mi.)	W137	146
MARINE GLASS CO	1350 DAISY AVE	ESE 1/8 - 1/4 (0.224 mi.)	S144	151
NEAL FASHION	1402 DAISY AVE	E 1/8 - 1/4 (0.225 mi.)	150	153
Not reported	1600 DAISY AVE	NE 1/8 - 1/4 (0.226 mi.)	T151	153
SMITH BROTHERS AUTO	0551 W ANAHEIM ST	ESE 1/8 - 1/4 (0.227 mi.)	Y158	164
FIRE STATION 3	1222 DAISY AVE	SE 1/8 - 1/4 (0.234 mi.)	Y161	165
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
THE FOODBANK OF SOUT	1444 SAN FRANCISCO A	E 0 - 1/8 (0.006 mi.)	A15	22

EXECUTIVE SUMMARY

Lower Elevation	Address	Direction / Distance	Map ID	Page
Not reported	0824 W ANAHEIM ST	S 0 - 1/8 (0.015 mi.)	22	28
Not reported	0750 W ANAHEIM ST	SE 0 - 1/8 (0.049 mi.)	E29	36
CHEVRON #209725 (2 D	0725 W ANAHEIM ST	SE 0 - 1/8 (0.054 mi.)	E30	36
HARBOR DIESEL & EQUI	0537 W ANAHEIM ST	E 0 - 1/8 (0.060 mi.)	F32	38
T R OIL SERVICES L O	801 WEST 14TH STREET	E 0 - 1/8 (0.060 mi.)	F34	41
VACANT	0710 W ANAHEIM ST	SE 0 - 1/8 (0.071 mi.)	H41	58
AMERICAN BUFFALO INC	0702 W ANAHEIM ST	SE 0 - 1/8 (0.071 mi.)	H47	66
LIZETTE CREATIONS	0950 W 12TH ST	S 0 - 1/8 (0.075 mi.)	I49	68
GOODWILL INDUSTRIES	0800 W PACIFIC COAST	NNE 0 - 1/8 (0.085 mi.)	52	69
RILEY MARINE PRODUCT	0840 W ESTHER ST	NNE 0 - 1/8 (0.091 mi.)	D53	69
FILE ONLY - CAL PACI	0790 W 12TH ST	SSE 0 - 1/8 (0.095 mi.)	I56	71
Not reported	0820 W ESTHER ST	NNE 0 - 1/8 (0.102 mi.)	K59	73
METROPOLITAN CHEMICA	0733 W 14TH ST	ESE 0 - 1/8 (0.113 mi.)	M66	80
LOEM'S SPORTS WEAR	1501 OREGON AVE	NE 1/8 - 1/4 (0.130 mi.)	P79	96
NOVA TECHNO CORP	1368 OREGON AVE	ESE 1/8 - 1/4 (0.130 mi.)	M83	100
DYNATRON ELECTRIC CO	1492 OREGON AVE	ENE 1/8 - 1/4 (0.147 mi.)	O90	109
Not reported	0730 W ESTHER ST	NNE 1/8 - 1/4 (0.150 mi.)	K92	110
Not reported	0700 W PACIFIC COAST	NNE 1/8 - 1/4 (0.157 mi.)	Q96	111
V & S TRANSPORTATION	1100 DE FOREST AVE	S 1/8 - 1/4 (0.175 mi.)	99	112
CALIFORNIA REFRIGERA	625 W ANAHEIM ST	ESE 1/8 - 1/4 (0.180 mi.)	S105	121
Not reported	0640 W 15TH ST	ENE 1/8 - 1/4 (0.185 mi.)	P107	123
Not reported	0701 W PACIFIC COAST	NNE 1/8 - 1/4 (0.191 mi.)	Q111	125
VACANT	0600 W 15TH ST	ENE 1/8 - 1/4 (0.193 mi.)	U114	128
Not reported	0653 W ESTHER ST	NNE 1/8 - 1/4 (0.203 mi.)	R117	133
Not reported	0650 W ESTHER ST	NNE 1/8 - 1/4 (0.204 mi.)	R118	133
MEADOWS ROOFING	0645 W ESTHER ST	NE 1/8 - 1/4 (0.210 mi.)	R122	136
VACANT	0615 W 17TH ST	NE 1/8 - 1/4 (0.212 mi.)	V123	136
NEILL AIRCRAFT CO.	1227 W COWLES ST	W 1/8 - 1/4 (0.215 mi.)	X125	137
MICOR LONG BEACH LLC	1234 W COWLES ST	W 1/8 - 1/4 (0.220 mi.)	X128	141
Facility Id: 19-060-3147				
H&S IRON WORKS	1501 DAISY AVE	ENE 1/8 - 1/4 (0.223 mi.)	U139	149
Not reported	1450 DAISY AVE	E 1/8 - 1/4 (0.224 mi.)	W145	151
Not reported	1500 DAISY AVE	ENE 1/8 - 1/4 (0.224 mi.)	U146	152
Not reported	1645 DAISY AVE	NE 1/8 - 1/4 (0.224 mi.)	V149	153
NEILL AIRCRAFT INC	1260 W 15TH ST	WNW 1/8 - 1/4 (0.234 mi.)	AB162	165
BERNS CO	1255 W 17TH ST	NW 1/8 - 1/4 (0.238 mi.)	AC165	175
ORGANIC COMPOUNDS IN	1265 W 16TH ST	NW 1/8 - 1/4 (0.240 mi.)	AD168	178
Not reported	1020 DE FOREST AVE	S 1/8 - 1/4 (0.248 mi.)	175	180

CA AST: A listing of aboveground storage tank petroleum storage tank locations.

A review of the CA AST list, as provided by EDR, and dated 08/01/2009 has revealed that there is 1 CA AST site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
CLARIANT CORP	801 W 14TH ST	E 0 - 1/8 (0.060 mi.)	F33	40

EXECUTIVE SUMMARY

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Registered Storage Tanks

CA FID UST: The Facility Inventory Database contains active and inactive underground storage tank locations. The source is the State Water Resource Control Board.

A review of the CA FID UST list, as provided by EDR, and dated 10/31/1994 has revealed that there are 8 CA FID UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
BKK CORPORATION Facility Id: 19056630 Status: A	800 W 015TH ST	NE 0 - 1/8 (0.069 mi.)	G40	56
CHUCKS ELECTRONIC Facility Id: 19016192 Status: I	707 W 16TH ST	NE 0 - 1/8 (0.124 mi.)	J71	88
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
LONG BEACH FOOD BANK Facility Id: 19003077 Status: A	1444 SAN FRANCISCO	E 0 - 1/8 (0.006 mi.)	A16	23
T R OIL SERVICES L O Facility Id: 19056600 Status: A	801 WEST 14TH STREET	E 0 - 1/8 (0.060 mi.)	F34	41
CALIF. GLASS DIST Facility Id: 19056689 Status: A	790 W 012TH ST LONG	SSE 0 - 1/8 (0.093 mi.)	I54	69
NOVA TECHNO CORP Facility Id: 19029718 Status: A	1368 OREGON AVE	ESE 1/8 - 1/4 (0.130 mi.)	M83	100
AIR CARGO EQUIPMENT Facility Id: 19056672 Status: A	600 W 15TH ST	ENE 1/8 - 1/4 (0.193 mi.)	U115	128
JERRY & KATHLEEN GLI Facility Id: 19054707 Status: I	1234 COWLES ST	W 1/8 - 1/4 (0.219 mi.)	X126	137

CA HIST UST: Historical UST Registered Database.

A review of the CA HIST UST list, as provided by EDR, and dated 10/15/1990 has revealed that there are 9 CA HIST UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
BKK CORP Facility Id: 00000016806	0800 W 15TH ST	NE 0 - 1/8 (0.068 mi.)	G36	49
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
LONG BEACH FOOD BANK Facility Id: 00000050642	1444 SAN FRANCISCO A	E 0 - 1/8 (0.006 mi.)	A14	21

EXECUTIVE SUMMARY

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
T R OIL SERVICES L O Facility Id: 00000003103	801 WEST 14TH STREET	E 0 - 1/8 (0.060 mi.)	F34	41
CALIF. GLASS DIST. Facility Id: 00000046937	790 W. 12TH ST. LONG	SSE 0 - 1/8 (0.096 mi.)	57	71
WESTERN ELECTROPLATI Facility Id: 00000007824	840 W ESTHER ST	NNE 0 - 1/8 (0.107 mi.)	K61	75
NOVA TECHNO CORP Facility Id: 00000006617	1368 OREGON AVE	ESE 1/8 - 1/4 (0.130 mi.)	M83	100
AIR CARGO EQUIPMENT Facility Id: 00000034141	600 W 15TH ST	ENE 1/8 - 1/4 (0.193 mi.)	U115	128
R & M PLATING COMPAN Facility Id: 00000017604	1640 DAISY STREET	NE 1/8 - 1/4 (0.226 mi.)	V153	156
BT EQUIPMENT CO Facility Id: 00000033974	1255 W 17TH ST	NW 1/8 - 1/4 (0.238 mi.)	AC164	171

CA SWEEPS UST: Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

A review of the CA SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there are 8 CA SWEEPS UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
BKK CORPORATION Comp Number: 16806 Status: A Tank Status: A	800 W 015TH ST	NE 0 - 1/8 (0.069 mi.)	G40	56
CHUCKS ELECTRONIC Comp Number: 1004	707 W 16TH ST	NE 0 - 1/8 (0.124 mi.)	J71	88
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
LONG BEACH FOOD BANK Comp Number: 50642 Status: A Tank Status: A	1444 SAN FRANCISCO	E 0 - 1/8 (0.006 mi.)	A16	23
T R OIL SERVICES L O Comp Number: 3103 Status: A Tank Status: A	801 WEST 14TH STREET	E 0 - 1/8 (0.060 mi.)	F34	41
CALIF. GLASS DIST Comp Number: 46937 Status: A Tank Status: A	790 W 012TH ST LONG	SSE 0 - 1/8 (0.093 mi.)	I54	69
NOVA TECHNO CORPORAT Comp Number: 6617 Status: A Tank Status: A	1368 OREGON AVE	ESE 1/8 - 1/4 (0.130 mi.)	M81	98

EXECUTIVE SUMMARY

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
AIR CARGO EQUIPMENT Comp Number: 34141 Status: A Tank Status: A	600 W 15TH ST	ENE 1/8 - 1/4 (0.193 mi.)	U115	128
JERRY & KATHLEEN GLI Comp Number: 54445	1234 COWLES ST	W 1/8 - 1/4 (0.219 mi.)	X126	137

Other Ascertainable Records

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 03/10/2015 has revealed that there are 10 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
OCEAN BLUE ENVIRONME	925 W ESTHER ST	N 0 - 1/8 (0.044 mi.)	D25	32
CHANCELLOR & OGDEN	800 W 15TH ST	NE 0 - 1/8 (0.068 mi.)	G37	53
IT CORP-ROUTH TRANSP	800 15TH ST	NE 0 - 1/8 (0.069 mi.)	G39	55
MESA ENVIRONMENTAL S	721 W 15TH ST	NE 0 - 1/8 (0.095 mi.)	G55	70
WARD-DEKAY TRANSPORT	707 W 16TH ST	NE 0 - 1/8 (0.124 mi.)	J73	89
CITY TOW SERVICE	704 W 17TH ST	NNE 1/8 - 1/4 (0.130 mi.)	L80	96

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
T R OIL SERVICES L O	801 WEST 14TH STREET	E 0 - 1/8 (0.060 mi.)	F34	41
WESTERN ELECTROPLATI	820 W ESTHER ST	NNE 0 - 1/8 (0.102 mi.)	K60	73
ENVIRONMENTAL SERVS	716 W 14TH ST	ESE 0 - 1/8 (0.120 mi.)	M68	83
GAYLORD INSPECTION L	1243 W COWLES	W 1/8 - 1/4 (0.224 mi.)	X143	150

CA HIST CORTESE: The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

A review of the CA HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there are 26 CA HIST CORTESE sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
BKK CORP Reg Id: 908130570	0800 W 15TH ST	NE 0 - 1/8 (0.068 mi.)	G36	49
DOUGLAS PRODUCE Reg Id: 908130325	648 COWLES ST	E 1/8 - 1/4 (0.178 mi.)	O103	115
DIAMOND U PRODUCTS, Reg Id: 013191-01	1429 MAGNOLIA AVE	E 1/4 - 1/2 (0.296 mi.)	182	191
BULK TERMINAL Reg Id: 908130061	960 DE FOREST AVE	S 1/4 - 1/2 (0.304 mi.)	AF185	199

EXECUTIVE SUMMARY

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
THE FOOD BANK OF SOU Reg Id: 908130216	1444 SAN FRANCISCO	E 0 - 1/8 (0.006 mi.)	A17	24
HARBOR DIESEL & EQUI Reg Id: 908130125	0537 W ANAHEIM ST	E 0 - 1/8 (0.060 mi.)	F32	38
T R OIL SERVICES L O Reg Id: 9080130407	801 WEST 14TH STREET	E 0 - 1/8 (0.060 mi.)	F34	41
ARATEX SERVICES (ARA Reg Id: 908130161	702 ANAHEIM	SE 0 - 1/8 (0.071 mi.)	H44	64
DOUGLAS ROBINSON PRO Reg Id: 908130252	718 ANAHEIM	SE 1/8 - 1/4 (0.130 mi.)	N77	91
LA MIRAGE INN Reg Id: 908060089	701 PACIFIC COAST HW	NNE 1/8 - 1/4 (0.192 mi.)	Q113	125
ASSOCIATED BREWERS D Reg Id: 908130461	615 017TH ST W	NE 1/8 - 1/4 (0.205 mi.)	V119	133
MICOR ENERGY LLC Reg Id: 908130625	1234 COWLES	W 1/8 - 1/4 (0.220 mi.)	X130	143
R & M ENTERPRISES Reg Id: 908130243	1501 DAISY AVE	ENE 1/8 - 1/4 (0.223 mi.)	U138	146
ACME OIL CO (MCMULLE Reg Id: 908130189	1305 016TH	NW 1/4 - 1/2 (0.274 mi.)	AD179	185
HYDRO SERVICES CO Reg Id: 908130516	1322 17TH ST	NW 1/4 - 1/2 (0.281 mi.)	AC180	185
NATIONAL PLANT SERVI Reg Id: 908130143	1364 W 16TH ST	WNW 1/4 - 1/2 (0.320 mi.)	AG187	204
GEORGE MITCHEL Reg Id: 908130043	1326 012TH ST W	WSW 1/4 - 1/2 (0.328 mi.)	AH189	207
GOODYEAR Reg Id: 2471	1350 12TH	WSW 1/4 - 1/2 (0.337 mi.)	AH190	214
ROCKET #6 Reg Id: 908061052	465 PACIFIC COAST	NE 1/4 - 1/2 (0.348 mi.)	AI192	219
BRANNEN PIPE & SUPPL Reg Id: 908130416	1650 HARBOR AVE	WNW 1/4 - 1/2 (0.354 mi.)	AG194	230
76 PRODUCTS STATION Reg Id: 907440252	1410 PACIFIC COAST	NW 1/4 - 1/2 (0.368 mi.)	AJ197	240
SANTA FE PACIFIC PIP Reg Id: 123091-41	DE FOREST AVE	S 1/4 - 1/2 (0.380 mi.)	198	241
RUSSELL TRUCK COMPAN Reg Id: 908130098	1430 011TH ST W	WSW 1/4 - 1/2 (0.395 mi.)	199	242
COMMERCIAL TRUCK BOD Reg Id: 908130089	1468 014TH	W 1/4 - 1/2 (0.433 mi.)	AL205	259
CASTLE CAR WASH Reg Id: 908100143	1500 PACIFIC COAST H	NW 1/4 - 1/2 (0.453 mi.)	207	261
SNYDER MFG CORPORATI Reg Id: 19280503	1541 COWLES	W 1/4 - 1/2 (0.488 mi.)	AP212	272

EXECUTIVE SUMMARY

CA DRYCLEANERS: A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaners' agents; linen supply; coin-operated laundries and cleaning; drycleaning plants except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

A review of the CA DRYCLEANERS list, as provided by EDR, and dated 02/18/2015 has revealed that there is 1 CA DRYCLEANERS site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SUN HARDWARE CO, INC EPA Id: CAL000115673	635 W 15TH ST	ENE 1/8 - 1/4 (0.190 mi.)	U109	123

CA HWT: A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

A review of the CA HWT list, as provided by EDR, and dated 04/13/2015 has revealed that there is 1 CA HWT site within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
OCEAN BLUE ENVIRONME Reg Num: 3354	925 WEST ESTHER STRE	N 0 - 1/8 (0.044 mi.)	D27	35

CA HWP: Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

A review of the CA HWP list, as provided by EDR, and dated 05/26/2015 has revealed that there are 2 CA HWP sites within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ALLWASTE SERVICES, I EPA Id: CAT080029952 Cleanup Status: UNDERGOING CLOSURE	925 W ESTHER ST	N 0 - 1/8 (0.044 mi.)	D26	34
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CROSBY & OVERTON EPA Id: CAD028409019 Cleanup Status: OPERATING PERMIT	1610 W 17TH STREET	WNW 1/2 - 1 (0.575 mi.)	AQ219	295

CA MWMP: The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

A review of the CA MWMP list, as provided by EDR, and dated 01/16/2015 has revealed that there is 1 CA MWMP site within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ALLWASTE SERVICES, I Registration Number: 3354	925 W ESTHER ST	N 0 - 1/8 (0.044 mi.)	D26	34

EXECUTIVE SUMMARY

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

A review of the EDR MGP list, as provided by EDR, has revealed that there is 1 EDR MGP site within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
EDISON/LONG BEACH MG	LG BEACH AREA, 8TH I	WSW 1/2 - 1 (0.890 mi.)	AR225	481

EDR US Hist Auto Stat: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR US Hist Auto Stat list, as provided by EDR, has revealed that there are 32 EDR US Hist Auto Stat sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CITY TOW SERVICE & G	1630 SAN FRANCISCO	N 0 - 1/8 (0.013 mi.)	B18	27
CITY TOW SERVICE & G	1630 S SAN FERNAND	N 0 - 1/8 (0.013 mi.)	B19	27
Not reported	1634 SAN FRANCISCO	N 0 - 1/8 (0.014 mi.)	B21	28
SEUSS C E	818 W 16TH ST	NNE 0 - 1/8 (0.082 mi.)	J50	68
Not reported	666 W COWLES ST	ENE 1/8 - 1/4 (0.162 mi.)	O97	111
Not reported	648 W COWLES ST	E 1/8 - 1/4 (0.178 mi.)	O104	121
UHL AUTO REPAIR	602 W ANAHEIM ST	ESE 1/8 - 1/4 (0.220 mi.)	Y132	143
Not reported	1433 DAISY AVE	E 1/8 - 1/4 (0.223 mi.)	W136	145
HAMASAKI K	600 W 14TH ST	E 1/8 - 1/4 (0.223 mi.)	S140	149
BUCHANAN W O	1318 DAISY AV	ESE 1/8 - 1/4 (0.223 mi.)	S141	149
SQUARE DEAL AUTO REP	1324 DAISY AV	ESE 1/8 - 1/4 (0.223 mi.)	S142	149
FAULDS WM	1388 DAISY AVE	ESE 1/8 - 1/4 (0.224 mi.)	S147	152
Not reported	551 W ANAHEIM ST	ESE 1/8 - 1/4 (0.227 mi.)	Y155	160
FINGADO'S MOBIL SERV	551 W ANAHEIM	ESE 1/8 - 1/4 (0.227 mi.)	Y156	162
Lower Elevation	Address	Direction / Distance	Map ID	Page
Not reported	812 W COWLES ST	ENE 0 - 1/8 (0.060 mi.)	C35	49
Not reported	740 W 14TH ST	ESE 0 - 1/8 (0.110 mi.)	F62	76
Not reported	739 W PACIFIC COAST	NNE 1/8 - 1/4 (0.150 mi.)	Q93	110
Not reported	651 W 15TH ST	ENE 1/8 - 1/4 (0.176 mi.)	P101	114

EXECUTIVE SUMMARY

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
BRYANT S AUTO RE CON	689 W ESTHER ST	NNE 1/8 - 1/4 (0.177 mi.)	R102	115
JACK'S MOBIL SERVICE	701 W PACIFIC COAST	NNE 1/8 - 1/4 (0.191 mi.)	Q110	124
WISDOM S MOBIL SERVI	701 W PACIFIC COAS	NNE 1/8 - 1/4 (0.192 mi.)	Q112	125
Not reported	646 W ESTHER ST	NE 1/8 - 1/4 (0.207 mi.)	R120	136
BRYANT S AUTO RE-CON	639 W ESTHER ST	NNE 1/8 - 1/4 (0.208 mi.)	R121	136
Not reported	1234 W COWLES ST	W 1/8 - 1/4 (0.220 mi.)	X129	142
Not reported	629 W ESTHER ST	NE 1/8 - 1/4 (0.222 mi.)	R135	145
Not reported	623 W ESTHER ST	NE 1/8 - 1/4 (0.227 mi.)	AA159	164
Not reported	621 W ESTHER ST	NE 1/8 - 1/4 (0.229 mi.)	AA160	164
SNEED JOHN J	1265 W 16TH ST	NW 1/8 - 1/4 (0.240 mi.)	AD169	178
Not reported	1745 DAISY AVE	NE 1/8 - 1/4 (0.242 mi.)	AA170	178
ZIMMERMAN S.	600 W PACIFIC COAS	NNE 1/8 - 1/4 (0.246 mi.)	Z172	179
ZIMMERMAN S.	600 W PACIFIC COAS	NNE 1/8 - 1/4 (0.246 mi.)	Z173	179
GULF OIL SERVICE STA	600 W PAC COAST HIGH	NNE 1/8 - 1/4 (0.246 mi.)	Z174	180

EDR US Hist Cleaners: EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR US Hist Cleaners list, as provided by EDR, has revealed that there are 10 EDR US Hist Cleaners sites within approximately 0.25 miles of the target property.

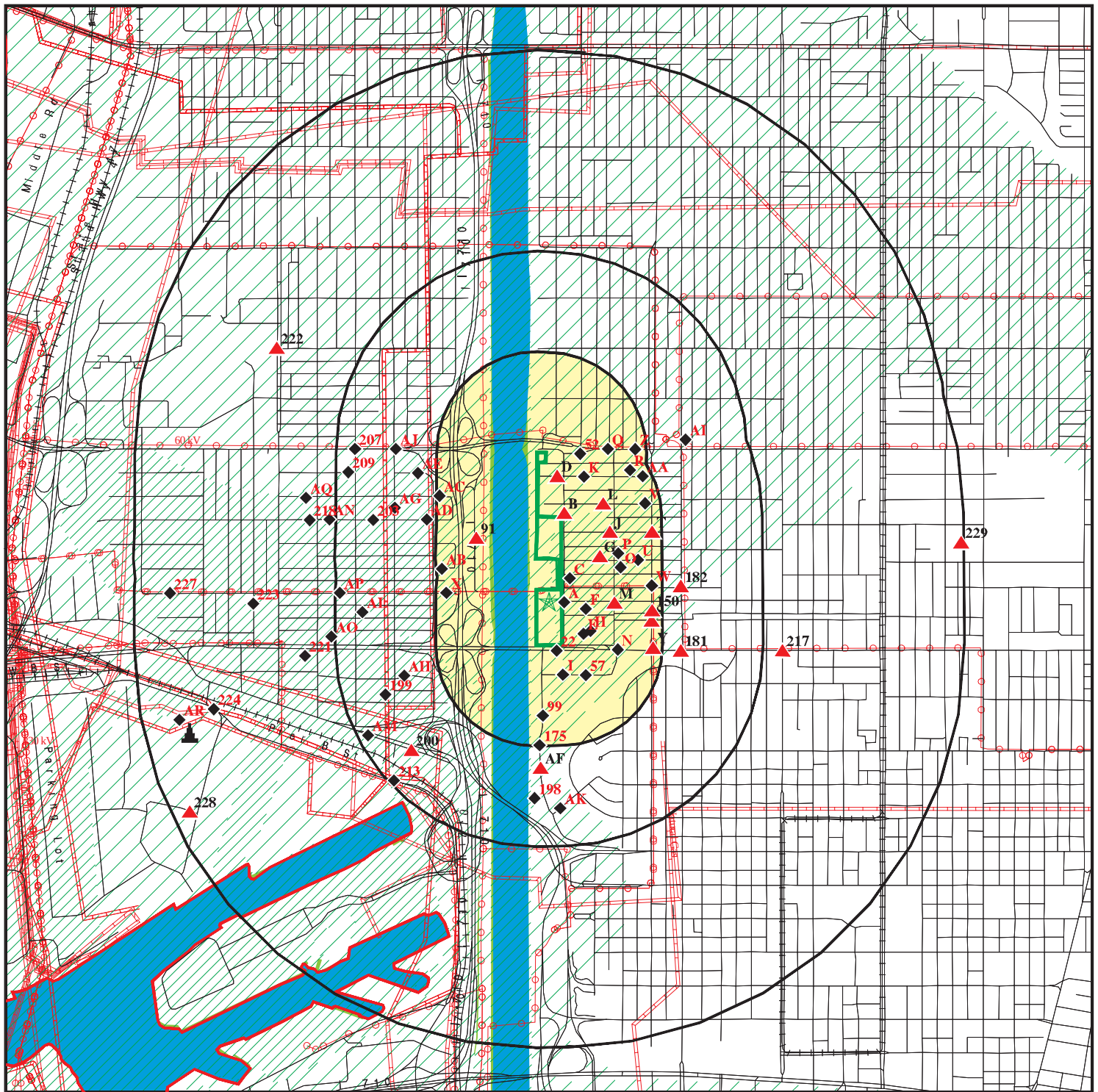
<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SCHAEFER PARSONS	812 W 16TH ST	NNE 0 - 1/8 (0.084 mi.)	J51	68
CLEAN RITE LAUNDRY	1388 DAISY AV	ESE 1/8 - 1/4 (0.224 mi.)	S148	152
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SOFT WATER LAUNDRY &	702 W ANAHEIM ST	SE 0 - 1/8 (0.071 mi.)	H43	61
SOFT WATER LAUNDRY &	702 W ANAHEIM	SE 1/8 - 1/4 (0.140 mi.)	N88	107
RELIABLE CLEANERS &	733 W PACIFIC COAS	NNE 1/8 - 1/4 (0.153 mi.)	Q94	110
RELIABLE CLEANERS &	733 W PACIFIC COAS	NNE 1/8 - 1/4 (0.154 mi.)	Q95	111
SPICK & SPAN LAUNDRY	609 COWLES	E 1/8 - 1/4 (0.215 mi.)	W124	137
QUAN LEE	630 W PACIFIC COAS	NNE 1/8 - 1/4 (0.221 mi.)	Z133	144
QUAN LEE LAUNDRY	630 W PACIFIC COAS	NNE 1/8 - 1/4 (0.222 mi.)	Z134	145
D & S LAUNDERALL SER	1265 W 17TH ST	NW 1/8 - 1/4 (0.242 mi.)	AC171	179

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 26 records.

Site Name	Database(s)
DOUGLAS BROS PRODUCE CO	CA HIST CORTESE, CA LUST, CA UST CA CDL CA CDL CA CDL CA CDL CA CDL CA CDL CA CDL
TCL DUMP	CERC-NFRAP
HUGH J RESINS CO	CERC-NFRAP, CORRACTS, RCRA-SQG, RAATS, CA HAZNET
ASCON CONSTRUCTION - LONG BEACH	CA SWF/LF
WEISSKER, HERMAN INC.	CA SWF/LF
PUBLIC SERVICE TRANSFER STATION #1	CA SWF/LF
GAS STATION	CA LUST
CITY OF L.B. RECREATION PARK GC	CA LUST, CA UST
EXPRESS DIESEL	CA LUST
GLENN E. THOMAS AUTO (FORMER)	CA SLIC
STATEWIDE BUSINESS PARK	CA SLIC
ACTA PARCEL PS-1524	CA SLIC
WILMINGTON TOWN LOT #369, 371, 372	CA SLIC
ACTA SOUTH - PARCEL PCH-1537	CA SLIC
ACTA SOUTH - PCH GRADE SEPARATION	CA SLIC
ACTA SOUTH - PARCEL PCH-1539	CA SLIC
ACTA SOUTH - PARCEL PCH-1538	CA SLIC
ACTA PARCEL PCH-1542	CA SLIC
ROOSEVELT ELEMENTARY SCHOOL - SOUT	CA SCH, CA ENVIROSTOR

OVERVIEW MAP - 04328849.2R



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites

Indian Reservations BIA

County Boundary

Power transmission lines

Pipelines

100-year flood zone

500-year flood zone

National Wetland Inventory

Areas of Concern

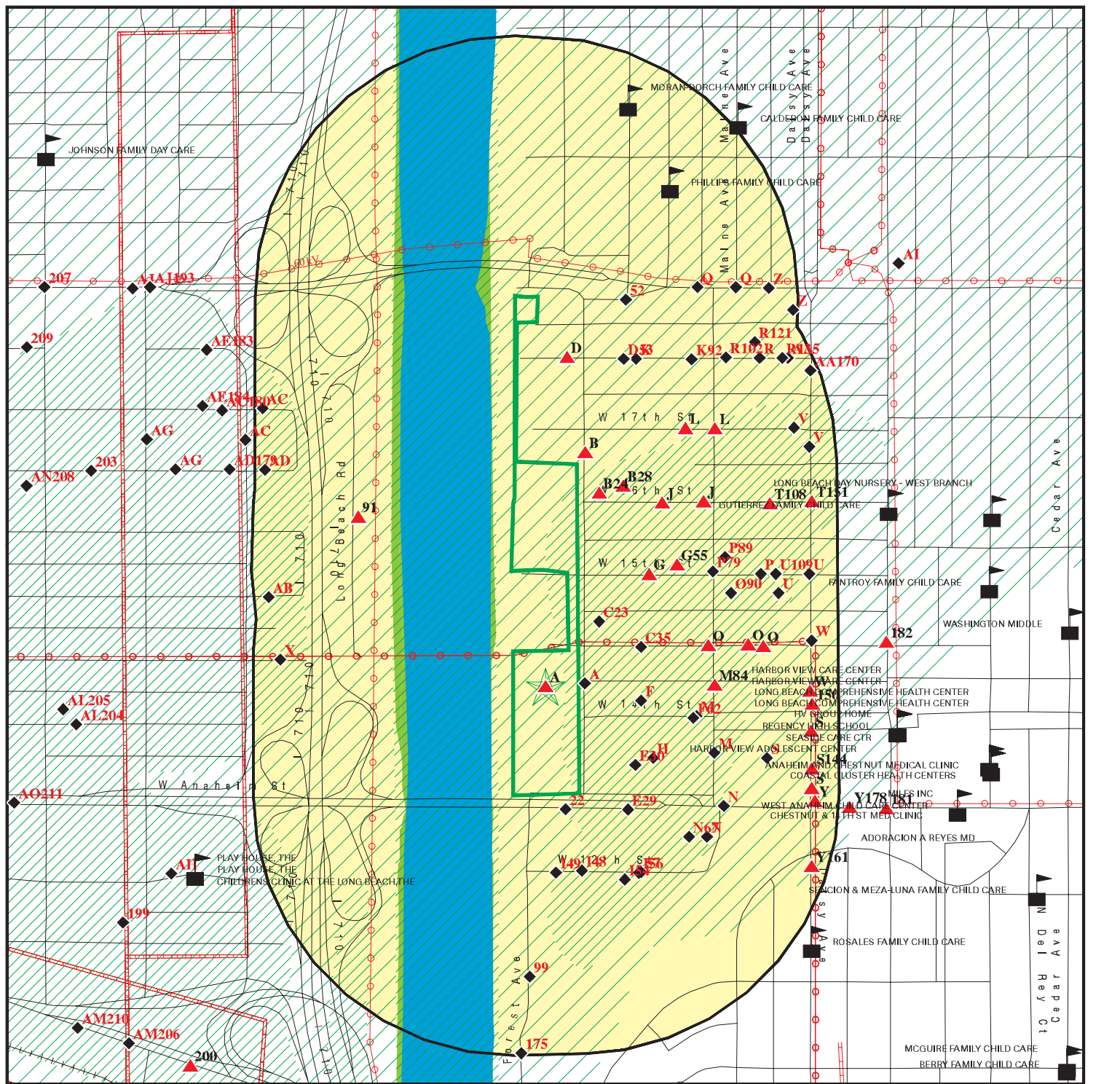
0 1/4 1/2 1 Miles

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Former Long Beach Public Service Yard
ADDRESS: San Francisco Ave/W Anaheim St
Long Beach CA 90813
LAT/LONG: 33.7843 / 118.2038

CLIENT: SCS Engineers
CONTACT: Kim Braun
INQUIRY #: 04328849.2r
DATE: June 17, 2015 3:20 pm

DETAIL MAP - 04328849.2R



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- Pipelines
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory

Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Former Long Beach Public Service Yard
 ADDRESS: San Francisco Ave/W Anaheim St
 Long Beach CA 90813
 LAT/LONG: 33.7843 / 118.2038

CLIENT: SCS Engineers
 CONTACT: Kim Braun
 INQUIRY #: 04328849.2r
 DATE: June 17, 2015 3:23 pm

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
<i>Federal NPL site list</i>								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	TP		NR	NR	NR	NR	NR	0
<i>Federal Delisted NPL site list</i>								
Delisted NPL	1.000		0	0	0	0	NR	0
<i>Federal CERCLIS list</i>								
CERCLIS	0.500		0	1	0	NR	NR	1
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
<i>Federal CERCLIS NFRAP site List</i>								
CERC-NFRAP	0.500		2	1	4	NR	NR	7
<i>Federal RCRA CORRACTS facilities list</i>								
CORRACTS	1.000		0	0	0	1	NR	1
<i>Federal RCRA non-CORRACTS TSD facilities list</i>								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
<i>Federal RCRA generators list</i>								
RCRA-LQG	0.250		1	4	NR	NR	NR	5
RCRA-SQG	0.250	2	6	8	NR	NR	NR	16
RCRA-CESQG	0.250		0	0	NR	NR	NR	0
<i>Federal institutional controls / engineering controls registries</i>								
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
LUCIS	0.500		0	0	0	NR	NR	0
<i>Federal ERNS list</i>								
ERNS	TP		NR	NR	NR	NR	NR	0
<i>State- and tribal - equivalent NPL</i>								
CA RESPONSE	1.000		0	0	0	0	NR	0
<i>State- and tribal - equivalent CERCLIS</i>								
CA ENVIROSTOR	1.000		1	0	1	13	NR	15
<i>State and tribal landfill and/or solid waste disposal site lists</i>								
CA SWF/LF	0.500		0	1	0	NR	NR	1
<i>State and tribal leaking storage tank lists</i>								
CA LUST	0.500	2	5	7	24	NR	NR	38

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
CA SLIC	0.500		4	3	5	NR	NR	12
INDIAN LUST	0.500		0	0	0	NR	NR	0
State and tribal registered storage tank lists								
CA UST	0.250	2	22	36	NR	NR	NR	60
CA AST	0.250		1	0	NR	NR	NR	1
INDIAN UST	0.250		0	0	NR	NR	NR	0
FEMA UST	0.250		0	0	NR	NR	NR	0
State and tribal voluntary cleanup sites								
CA VCP	0.500		0	0	0	NR	NR	0
INDIAN VCP	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
CA SWRCY	0.500		0	0	0	NR	NR	0
CA HAULERS	TP		NR	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
CA WMUDS/SWAT	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US CDL	TP		NR	NR	NR	NR	NR	0
CA HIST Cal-Sites	1.000		0	0	0	0	NR	0
CA SCH	0.250		0	0	NR	NR	NR	0
CA Toxic Pits	1.000		0	0	0	0	NR	0
CA AOCONCERN	1.000		0	0	0	0	NR	0
CA CDL	TP	1	NR	NR	NR	NR	NR	1
US HIST CDL	TP		NR	NR	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
CA FID UST	0.250		5	3	NR	NR	NR	8
CA HIST UST	0.250		5	4	NR	NR	NR	9
CA SWEEPS UST	0.250		5	3	NR	NR	NR	8
Local Land Records								
LIENS 2	TP		NR	NR	NR	NR	NR	0
CA LIENS	TP		NR	NR	NR	NR	NR	0
CA DEED	0.500		0	0	0	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
CA CHMIRS	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
CA LDS	TP		NR	NR	NR	NR	NR	0
CA MCS	TP		NR	NR	NR	NR	NR	0
CA SPILLS 90	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		8	2	NR	NR	NR	10
DOT OPS	TP		NR	NR	NR	NR	NR	0
DOD	1.000		0	0	0	0	NR	0
FUDS	1.000		0	0	0	0	NR	0
CONSENT	1.000		0	0	0	0	NR	0
ROD	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
FINDS	TP	2	NR	NR	NR	NR	NR	2
RAATS	TP		NR	NR	NR	NR	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
CA NPDES	TP		NR	NR	NR	NR	NR	0
CA UIC	TP		NR	NR	NR	NR	NR	0
CA Cortese	0.500		0	0	0	NR	NR	0
CA HIST CORTESE	0.500	2	5	6	15	NR	NR	28
CA CUPA Listings	0.250		0	0	NR	NR	NR	0
WI MANIFEST	0.250		0	0	NR	NR	NR	0
NY MANIFEST	0.250		0	0	NR	NR	NR	0
CA Notify 65	1.000		0	0	0	0	NR	0
LA Co. Site Mitigation	TP		NR	NR	NR	NR	NR	0
CA DRYCLEANERS	0.250		0	1	NR	NR	NR	1
CA LOS ANGELES CO. HMS	TP		NR	NR	NR	NR	NR	0
CA WIP	0.250		0	0	NR	NR	NR	0
CA ENF	TP		NR	NR	NR	NR	NR	0
CA HAZNET	TP	2	NR	NR	NR	NR	NR	2
CA EMI	TP		NR	NR	NR	NR	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
CA WDS	TP		NR	NR	NR	NR	NR	0
CA Financial Assurance	TP		NR	NR	NR	NR	NR	0
CA HWT	0.250		1	0	NR	NR	NR	1
CA HWP	1.000		1	0	0	1	NR	2
CA MWMP	0.250		1	0	NR	NR	NR	1
CA PROC	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	1.000		0	0	0	1	NR	1
EDR US Hist Auto Stat	0.250	1	6	26	NR	NR	NR	33
EDR US Hist Cleaners	0.250		2	8	NR	NR	NR	10

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

CA RGA LUST	TP	2	NR	NR	NR	NR	NR	2
CA RGA LF	TP		NR	NR	NR	NR	NR	0
- Totals --		16	81	114	49	16	0	276

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A1
Target
Property

SIFTON A D
949 W ANAHEIM ST
LONG BEACH, CA

EDR US Hist Auto Stat

1009049156
N/A

Site 1 of 17 in cluster A

Actual:
14 ft.

EDR Historical Auto Stations:

Name: SIFTON A D
Year: 1931
Type: GASOLINE AND OIL SERVICE STATIONS

Name: MISRACK J S
Year: 1935
Type: GASOLINE AND OIL SERVICE STATIONS

A2
Target
Property

CITY OF L.B. PUBLIC SVC YD (2 D/W JOOR)
1725 SAN FRANCISCO AVE
LONG BEACH, CA

CA UST

U003700201
N/A

Site 2 of 17 in cluster A

Actual:
14 ft.

LONG BEACH UST:

DATA AS OF 02/25/2014:

Region: LONG BEACH
Tanks: 2T
Tank Test: Dual Walled
Leak Test: Not reported
Tank Status: Not reported

A3
Target
Property

CITY OF LONG BEACH TOWING OPER
901 W ANAHEIM ST
LONG BEACH, CA 90813

CA HAZNET

S113052637
N/A

Site 3 of 17 in cluster A

Actual:
14 ft.

HAZNET:

envid: S113052637
Year: 1998
GEPAID: CAL000080247
Contact: CITY OF LONG BEACH
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: 901 W ANAHEIM ST
Mailing City,St,Zip: LONG BEACH, CA 908130000
Gen County: Not reported
TSD EPA ID: CAT000613893
TSD County: Not reported
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Transfer Station
Tons: .0625
Facility County: Los Angeles

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A4
Target
Property

CITY OF LONG BEACH TOWING OPERATIONS
901 W ANAHEIM
LONG BEACH, CA 90813

CA HAZNET

S113036028
N/A

Site 4 of 17 in cluster A

Actual:
14 ft.

HAZNET:

envid: S113036028
Year: 1997
GEPAID: CAL000036475
Contact: CITY OF LONG BEACH
Telephone: 5625705400
Mailing Name: Not reported
Mailing Address: 333 W OCEAN BLVD
Mailing City,St,Zip: LONG BEACH, CA 908020000
Gen County: Not reported
TSD EPA ID: CAT080033681
TSD County: Not reported
Waste Category: Other organic solids
Disposal Method: Disposal, Other
Tons: .9750
Facility County: Los Angeles

envid: S113036028
Year: 1996
GEPAID: CAL000036475
Contact: CITY OF LONG BEACH
Telephone: 5625705400
Mailing Name: Not reported
Mailing Address: 333 W OCEAN BLVD
Mailing City,St,Zip: LONG BEACH, CA 908020000
Gen County: Not reported
TSD EPA ID: CAT080022148
TSD County: Not reported
Waste Category: Other organic solids
Disposal Method: Transfer Station
Tons: .5000
Facility County: Los Angeles

envid: S113036028
Year: 1996
GEPAID: CAL000036475
Contact: CITY OF LONG BEACH
Telephone: 5625705400
Mailing Name: Not reported
Mailing Address: 333 W OCEAN BLVD
Mailing City,St,Zip: LONG BEACH, CA 908020000
Gen County: Not reported
TSD EPA ID: CAT080033681
TSD County: Not reported
Waste Category: Unspecified oil-containing waste
Disposal Method: Disposal, Other
Tons: .4500
Facility County: Los Angeles

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A5
Target
Property
CITY OF LONG BEACH
0929 W ANAHEIM ST
LONG BEACH, CA

CA UST
U003660158
N/A

Site 5 of 17 in cluster A

Actual:
14 ft.

LONG BEACH UST:

DATA AS OF 02/25/2014:

Region:	LONG BEACH
Tanks:	0T
Tank Test:	Not reported
Leak Test:	Not reported
Tank Status:	Not reported

A6
Target
Property
VEHICLE TOW YARD
901 ANAHEIM ST W
LONG BEACH, CA

CA RGA LUST
S114718416
N/A

Site 6 of 17 in cluster A

Actual:
14 ft.

RGALUST:

2000	VEHICLE TOW YARD	901 ANAHEIM ST W
1998	VEHICLE TOW YARD	901 ANAHEIM ST W
1997	VEHICLE TOW YARD	901 ANAHEIM ST W
1996	VEHICLE TOW YARD	901 ANAHEIM ST W

A7
Target
Property
PUBLIC SERVICE YARD
1725 SAN FRANCISCO AVE
LONG BEACH, CA 90813

CA HIST CORTESE
CA LUST
S102435505
N/A

Site 7 of 17 in cluster A

Actual:
14 ft.

HIST CORTESE:

Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	908130607

LUST:

Region:	STATE
Global Id:	T0603701971
Latitude:	33.7885736
Longitude:	-118.2032193
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	07/03/2012
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Worker:	NC
Local Agency:	LONG BEACH, CITY OF
RB Case Number:	908130607
LOC Case Number:	Not reported
File Location:	Regional Board
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Diesel
Site History:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PUBLIC SERVICE YARD (Continued)

S102435505

[Click here to access the California GeoTracker records for this facility:](#)

Contact:

Global Id:	T0603701971
Contact Type:	Local Agency Caseworker
Contact Name:	CARMEN PIRO
Organization Name:	LONG BEACH, CITY OF
Address:	2525 GRAND AVE.
City:	LONG BEACH
Email:	carmen.piro@longbeach.gov
Phone Number:	5625704137
Global Id:	T0603701971
Contact Type:	Regional Board Caseworker
Contact Name:	NOMAN CHOWDHURY
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 WEST 4TH STREET, SUITE 200
City:	LOS ANGELES
Email:	nchowdhury@waterboards.ca.gov
Phone Number:	2135766704

Status History:

Global Id:	T0603701971
Status:	Open - Site Assessment
Status Date:	11/24/2008
Global Id:	T0603701971
Status:	Completed - Case Closed
Status Date:	07/03/2012
Global Id:	T0603701971
Status:	Open - Case Begin Date
Status Date:	08/04/1995
Global Id:	T0603701971
Status:	Open - Referred
Status Date:	09/23/2008
Global Id:	T0603701971
Status:	Open - Site Assessment
Status Date:	08/04/1995

Regulatory Activities:

Global Id:	T0603701971
Action Type:	Other
Date:	08/04/1995
Action:	Leak Discovery
Global Id:	T0603701971
Action Type:	REMEDIATION
Date:	07/02/2008
Action:	Other (Use Description Field)
Global Id:	T0603701971
Action Type:	Other
Date:	08/04/1995

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PUBLIC SERVICE YARD (Continued)

S102435505

Action: Leak Stopped

Global Id: T0603701971
Action Type: Other
Date: 08/04/1995
Action: Leak Reported

Global Id: T0603701971
Action Type: ENFORCEMENT
Date: 07/03/2012
Action: Closure/No Further Action Letter

Global Id: T0603701971
Action Type: RESPONSE
Date: 01/15/2009
Action: Other Report / Document

Global Id: T0603701971
Action Type: ENFORCEMENT
Date: 11/24/2008
Action: Staff Letter

Global Id: T0603701971
Action Type: ENFORCEMENT
Date: 07/03/2012
Action: Closure/No Further Action Letter

LUST REG 4:

Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 908130607
Status: Preliminary site assessment underway
Substance: Motor Oil
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: Not reported
Global ID: T0603701971
W Global ID: Not reported
Staff: UNK
Local Agency: 19060
Cross Street: PACIFIC COAST HIGHWAY
Enforcement Type: Not reported
Date Leak Discovered: 8/4/1995
Date Leak First Reported: 8/4/1995
Date Leak Record Entered: 8/31/1995
Date Confirmation Began: Not reported
Date Leak Stopped: 8/4/1995
Date Case Last Changed on Database: 8/31/1995
Date the Case was Closed: Not reported
How Leak Discovered: Inventory Control
How Leak Stopped: Not reported
Cause of Leak: Structure Failure
Leak Source: Piping
Operator: DEPT OF PUBLIC WORKS

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PUBLIC SERVICE YARD (Continued)

S102435505

Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 14972.994970622465758367051324
Source of Cleanup Funding: Piping
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: 8/4/1995
Pollution Characterization Began: Not reported
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: CITY OF LONG BEACH
RP Address: 333 W. OCEAN BLVD., LONG BEACH, CA 90802
Program: LUST
Lat/Long: 33.7885736 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: Not reported

A8
Target
Property
LONG BEACH CITY TOW YARD
901 ANAHEIM ST W
LONG BEACH, CA 90813

CA LUST
S104916177
N/A

Site 8 of 17 in cluster A

Actual:
14 ft.

LUST:
Region: STATE
Global Id: T0603701960
Latitude: 33.7838334374851
Longitude: -118.203706741333
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 07/06/2011
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Worker: DMB
Local Agency: LONG BEACH, CITY OF
RB Case Number: 908130498
LOC Case Number: Not reported
File Location: Regional Board
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

Click here to access the California GeoTracker records for this facility:
Contact:

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LONG BEACH CITY TOW YARD (Continued)

S104916177

Global Id: T0603701960
Contact Type: Local Agency Caseworker
Contact Name: CARMEN PIRO
Organization Name: LONG BEACH, CITY OF
Address: 2525 GRAND AVE.
City: LONG BEACH
Email: carmen.piro@longbeach.gov
Phone Number: 5625704137

Global Id: T0603701960
Contact Type: Regional Board Caseworker
Contact Name: DAVID M. BJOSTAD
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4th Street, Suite 200
City: Los Angeles
Email: dbjostad@waterboards.ca.gov
Phone Number: Not reported

Status History:

Global Id: T0603701960
Status: Open - Verification Monitoring
Status Date: 08/30/1995

Global Id: T0603701960
Status: Completed - Case Closed
Status Date: 07/06/2011

Global Id: T0603701960
Status: Open - Verification Monitoring
Status Date: 08/11/2005

Global Id: T0603701960
Status: Open - Case Begin Date
Status Date: 08/30/1995

Global Id: T0603701960
Status: Open - Site Assessment
Status Date: 08/30/1995

Global Id: T0603701960
Status: Open - Site Assessment
Status Date: 06/22/2001

Regulatory Activities:

Global Id: T0603701960
Action Type: Other
Date: 08/30/1995
Action: Leak Discovery

Global Id: T0603701960
Action Type: RESPONSE
Date: 01/15/2011
Action: Monitoring Report - Semi-Annually

Global Id: T0603701960
Action Type: ENFORCEMENT

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LONG BEACH CITY TOW YARD (Continued)

S104916177

Date:	06/03/2011
Action:	Notification - Preclosure
Global Id:	T0603701960
Action Type:	ENFORCEMENT
Date:	07/06/2011
Action:	Closure/No Further Action Letter
Global Id:	T0603701960
Action Type:	RESPONSE
Date:	10/15/2006
Action:	Monitoring Report - Quarterly
Global Id:	T0603701960
Action Type:	Other
Date:	08/30/1995
Action:	Leak Reported
Global Id:	T0603701960
Action Type:	ENFORCEMENT
Date:	11/02/2010
Action:	Staff Letter
Global Id:	T0603701960
Action Type:	RESPONSE
Date:	04/15/2006
Action:	Monitoring Report - Quarterly
Global Id:	T0603701960
Action Type:	RESPONSE
Date:	07/15/2006
Action:	Monitoring Report - Quarterly
Global Id:	T0603701960
Action Type:	ENFORCEMENT
Date:	02/19/2002
Action:	Staff Letter
Global Id:	T0603701960
Action Type:	ENFORCEMENT
Date:	06/15/2009
Action:	Staff Letter
Global Id:	T0603701960
Action Type:	RESPONSE
Date:	11/19/2001
Action:	Soil and Water Investigation Workplan
Global Id:	T0603701960
Action Type:	RESPONSE
Date:	04/19/2002
Action:	Soil and Water Investigation Report
Global Id:	T0603701960
Action Type:	RESPONSE
Date:	04/15/2010
Action:	Monitoring Report - Semi-Annually

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LONG BEACH CITY TOW YARD (Continued)

S104916177

Global Id:	T0603701960
Action Type:	RESPONSE
Date:	04/15/2010
Action:	Other Report / Document
Global Id:	T0603701960
Action Type:	ENFORCEMENT
Date:	06/22/2001
Action:	Staff Letter
Global Id:	T0603701960
Action Type:	ENFORCEMENT
Date:	12/28/2009
Action:	Staff Letter
Global Id:	T0603701960
Action Type:	RESPONSE
Date:	07/15/2009
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603701960
Action Type:	RESPONSE
Date:	01/15/2007
Action:	Monitoring Report - Quarterly
Global Id:	T0603701960
Action Type:	RESPONSE
Date:	04/15/2010
Action:	Electronic Reporting Submittal Due

LUST REG 4:

Region:	4
Regional Board:	04
County:	Los Angeles
Facility Id:	908130498
Status:	Preliminary site assessment workplan submitted
Substance:	Gasoline
Substance Quantity:	Not reported
Local Case No:	Not reported
Case Type:	Soil
Abatement Method Used at the Site:	Excavate and Dispose
Global ID:	T0603701960
W Global ID:	Not reported
Staff:	NC
Local Agency:	19060
Cross Street:	SAN FRANCISCO
Enforcement Type:	LET
Date Leak Discovered:	8/30/1995
Date Leak First Reported:	8/30/1995
Date Leak Record Entered:	6/7/1996
Date Confirmation Began:	8/30/1995
Date Leak Stopped:	Not reported
Date Case Last Changed on Database:	11/15/2001
Date the Case was Closed:	Not reported
How Leak Discovered:	Tank Closure
How Leak Stopped:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LONG BEACH CITY TOW YARD (Continued)

S104916177

Cause of Leak: Corrosion
Leak Source: Tank
Operator: CHUCK RAMSEY
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 16469.944344413791268620002409
Source of Cleanup Funding: Tank
Preliminary Site Assessment Workplan Submitted: 6/22/2001
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: Not reported
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: 8/30/1995
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: DAVID MCCARTHY
RP Address: 2600 TEMPLE AVE.
Program: LUST
Lat/Long: 33.7827207 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: CITY OF LONG BEACH PURCHASED PIECE OF LAND. TANK WAS FOUND ABANDONED
AFTER SALE. CITY REMOVED TANK AND DISCOVERED TANKLEAK.
OLD CASE #960607-01

A9
Target
Property
LONG BEACH CITY PUB SERV DEPT
1601 SAN FRANCISCO AVENUE
LONG BEACH, CA 90813

RCRA-SQG
FINDS
1000231626
CAD981632235

Site 9 of 17 in cluster A

Actual:
14 ft.

RCRA-SQG:
Date form received by agency: 09/01/1996
Facility name: LONG BEACH PUBLIC SVC CITY OF
Facility address: 1601 SAN FRANCISCO
LONG BEACH, CA 90813
EPA ID: CAD981632235
Mailing address: SAN FRANCISCO
LONG BEACH, CA 90813
Contact: Not reported
Contact address: Not reported
Not reported
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 09
Land type: Facility is not located on Indian land. Additional information is not known.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LONG BEACH CITY PUB SERV DEPT (Continued)

1000231626

Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: CITY OF LONG BEACH
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 11/06/1993
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State Contractor/Grantee

Evaluation date: 12/17/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LONG BEACH CITY PUB SERV DEPT (Continued)

1000231626

Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State Contractor/Grantee

FINDS:

Registry ID: 110013829474

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY

**A10
Target
Property**

**VEHICLE TOW YARD
901 ANAHEIM
LONG BEACH, CA**

CA HIST CORTESE

**S102440864
N/A**

Site 10 of 17 in cluster A

**Actual:
14 ft.**

HIST CORTESE:
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 908130498

**A11
Target
Property**

**LONG BEACH CITY TOW YARD
901 ANAHEIM ST W
LONG BEACH, CA**

CA RGA LUST

**S114645023
N/A**

Site 11 of 17 in cluster A

**Actual:
14 ft.**

RGA LUST:

2012	LONG BEACH CITY TOW YARD	901 ANAHEIM ST W
2011	LONG BEACH CITY TOW YARD	901 ANAHEIM ST W
2010	LONG BEACH CITY TOW YARD	901 ANAHEIM ST W
2009	LONG BEACH CITY TOW YARD	901 ANAHEIM ST W
2008	LONG BEACH CITY TOW YARD	901 ANAHEIM ST W
2007	LONG BEACH CITY TOW YARD	901 ANAHEIM ST W
2006	LONG BEACH CITY TOW YARD	901 ANAHEIM ST W
2005	LONG BEACH CITY TOW YARD	901 ANAHEIM ST W
2003	LONG BEACH CITY TOW YARD	901 ANAHEIM ST W
2002	LONG BEACH CITY TOW YARD	901 ANAHEIM ST W
2001	LONG BEACH CITY TOW YARD	901 ANAHEIM ST W

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A12
Target **901 W ANAHEIM ST**
Property **LONG BEACH, CA 90813**

CA CDL **S103675659**
N/A

Site 12 of 17 in cluster A

Actual:
14 ft.

CDL:

Facility ID: 200001003
Date: 01/03/2000
Lab Type: Illegal Drug Lab (L) - location where an illegal drug lab was operated or drug lab equipment and/or materials were stored.

Facility ID: 199903127
Date: 03/19/1999
Lab Type: Mobile Lab (M) - location where illegal drug lab equipment and materials were found in a vehicle or other mode of transport.

A13
Target **LONG BEACH TESTING LAB CITY OF**
Property **1475 SAN FRANCISCO AVE**
LONG BEACH, CA 90813

RCRA-SQG **1000231634**
FINDS **CAD981972201**

Site 13 of 17 in cluster A

Actual:
14 ft.

RCRA-SQG:

Date form received by agency: 05/12/1987
Facility name: LONG BEACH TESTING LAB CITY OF
Facility address: 1475 SAN FRANCISCO AVE
LONG BEACH, CA 90813
EPA ID: CAD981972201
Mailing address: SAN FRANCISCO AVE
LONG BEACH, CA 90813
Contact: ENVIRONMENTAL MANAGER
Contact address: 1475 SAN FRANCISCO AVE
LONG BEACH, CA 90813
Contact country: US
Contact telephone: (213) 436-4784
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Municipal
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: LONG BEACH CITY OF
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LONG BEACH TESTING LAB CITY OF (Continued)

1000231634

Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Municipal
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002760502

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

A14
East
< 1/8
0.006 mi.
32 ft.

LONG BEACH FOOD BANK
1444 SAN FRANCISCO AVE
LONG BEACH, CA 90813

CA HIST UST **U001566307**
N/A

Site 14 of 17 in cluster A

Relative:
Lower

HIST UST:
Region: STATE
Facility ID: 00000050642
Facility Type: Other
Other Type: NON-PROFIT FOOD DIST
Contact Name: Not reported
Telephone: 2134353577
Owner Name: LONG BEACH FOOD BANK
Owner Address: 1444 SAN FRANCISCO
Owner City,St,Zip: LONG BEACH, CA 90813
Total Tanks: 0004

Actual:
13 ft.

Tank Num: 001

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LONG BEACH FOOD BANK (Continued)

U001566307

Container Num: 1
Year Installed: Not reported
Tank Capacity: 00001000
Tank Used for: Not reported
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Visual

Tank Num: 002
Container Num: 2
Year Installed: Not reported
Tank Capacity: 00004000
Tank Used for: Not reported
Type of Fuel: 06
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 003
Container Num: 3
Year Installed: Not reported
Tank Capacity: 00000000
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 004
Container Num: 4
Year Installed: Not reported
Tank Capacity: 00005000
Tank Used for: Not reported
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: None

A15
East
< 1/8
0.006 mi.
32 ft.

THE FOODBANK OF SOUTHERN CALIFORNIA
1444 SAN FRANCISCO AVE
LONG BEACH, CA

CA UST **U003661404**
N/A

Site 15 of 17 in cluster A

Relative:
Lower

LONG BEACH UST:

DATA AS OF 02/25/2014:

Actual:
13 ft.

Region: LONG BEACH
Tanks: 0T
Tank Test: Not reported
Leak Test: Not reported
Tank Status: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A16
East
< 1/8
0.006 mi.
32 ft.
LONG BEACH FOOD BANK
1444 SAN FRANCISCO
LONG BEACH, CA 90813
Site 16 of 17 in cluster A

CA FID UST
CA SWEEPS UST
S101618209
N/A

Relative:
Lower

CA FID UST:
Facility ID: 19003077
Regulated By: UTNKA
Regulated ID: 00050642
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 2134353577
Mail To: Not reported
Mailing Address: 1444 SAN FRANCISCO
Mailing Address 2: Not reported
Mailing City,St,Zip: LONG BEACH 90813
Contact: Not reported
Contact Phone: Not reported
DUNS Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

Actual:
13 ft.

SWEEPS UST:
Status: Active
Comp Number: 50642
Number: 9
Board Of Equalization: Not reported
Referral Date: 07-01-85
Action Date: Not reported
Created Date: 02-29-88
Owner Tank Id: 1
SWRCB Tank Id: 19-060-050642-000001
Tank Status: A
Capacity: 1000
Active Date: 07-01-85
Tank Use: UNKNOWN
STG: P
Content: Not reported
Number Of Tanks: 4

Status: Active
Comp Number: 50642
Number: 9
Board Of Equalization: Not reported
Referral Date: 07-01-85
Action Date: Not reported
Created Date: 02-29-88
Owner Tank Id: 2
SWRCB Tank Id: 19-060-050642-000002
Tank Status: A
Capacity: 4000
Active Date: 07-01-85
Tank Use: UNKNOWN
STG: P
Content: Not reported
Number Of Tanks: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LONG BEACH FOOD BANK (Continued)

S101618209

Status: Active
Comp Number: 50642
Number: 9
Board Of Equalization: Not reported
Referral Date: 07-01-85
Action Date: Not reported
Created Date: 02-29-88
Owner Tank Id: 3
SWRCB Tank Id: 19-060-050642-000003
Tank Status: A
Capacity: Not reported
Active Date: 07-01-85
Tank Use: OIL
STG: W
Content: WASTE OIL
Number Of Tanks: Not reported

Status: Active
Comp Number: 50642
Number: 9
Board Of Equalization: Not reported
Referral Date: 07-01-85
Action Date: Not reported
Created Date: 02-29-88
Owner Tank Id: 4
SWRCB Tank Id: 19-060-050642-000004
Tank Status: A
Capacity: 5000
Active Date: 07-01-85
Tank Use: UNKNOWN
STG: P
Content: Not reported
Number Of Tanks: Not reported

A17
East
< 1/8
0.006 mi.
32 ft.

THE FOOD BANK OF SOUTHERN
1444 SAN FRANCISCO
LONG BEACH, CA 90813

Site 17 of 17 in cluster A

CA HIST CORTESE **S101296789**
CA LUST **N/A**

Relative:
Lower

HIST CORTESE:
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 908130216

Actual:
13 ft.

LUST:
Region: STATE
Global Id: T0603701935
Latitude: 33.7847277
Longitude: -118.2030013
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 07/22/1996
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Worker: YR
Local Agency: LONG BEACH, CITY OF

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE FOOD BANK OF SOUTHERN (Continued)

S101296789

RB Case Number: 908130216
LOC Case Number: Not reported
File Location: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Benzene
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

Contact:

Global Id: T0603701935
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

Global Id: T0603701935
Contact Type: Local Agency Caseworker
Contact Name: CARMEN PIRO
Organization Name: LONG BEACH, CITY OF
Address: 2525 GRAND AVE.
City: LONG BEACH
Email: carmen.piro@longbeach.gov
Phone Number: 5625704137

Status History:

Global Id: T0603701935
Status: Open - Case Begin Date
Status Date: 10/08/1990

Global Id: T0603701935
Status: Open - Site Assessment
Status Date: 10/08/1990

Global Id: T0603701935
Status: Open - Site Assessment
Status Date: 04/30/1993

Global Id: T0603701935
Status: Completed - Case Closed
Status Date: 07/22/1996

Regulatory Activities:

Global Id: T0603701935
Action Type: Other
Date: 10/08/1990
Action: Leak Reported

LUST REG 4:

Region: 4
Regional Board: 04
County: Los Angeles

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE FOOD BANK OF SOUTHERN (Continued)

S101296789

Facility Id:	908130216	
Status:	Case Closed	
Substance:	Benzene	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Groundwater	
Abatement Method Used at the Site:		Not reported
Global ID:	T0603701935	
W Global ID:	Not reported	
Staff:	UNK	
Local Agency:	19060	
Cross Street:	Not reported	
Enforcement Type:	Not reported	
Date Leak Discovered:	Not reported	
Date Leak First Reported:		10/8/1990
Date Leak Record Entered:	4/22/1991	
Date Confirmation Began:	10/8/1990	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		8/22/1996
Date the Case was Closed:		7/22/1996
How Leak Discovered:	Not reported	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	UNK	
Operator:	Not reported	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		15991.575427655345315576944023
Source of Cleanup Funding:		UNK
Preliminary Site Assessment Workplan Submitted:	4/30/1993	
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	BLANK RP	
RP Address:	1031 TAHACHEPE DR, LONG BEACH CA 90807	
Program:	LUST	
Lat/Long:	33.7847277 / -1	
Local Agency Staff:	Not reported	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	
Assigned Name:	Not reported	
Summary:	8/20/91-LETTER FROM LAWYER	

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

B18 North < 1/8 0.013 mi. 66 ft.	CITY TOW SERVICE & GARAGE INC 1630 SAN FRANCISCO AVE LONG BEACH, CA Site 1 of 6 in cluster B	EDR US Hist Auto Stat	1009050512 N/A
--	---	------------------------------	---------------------------------

Relative: Higher	EDR Historical Auto Stations:
	Name: CITY TOW SERVICE & GARAGE INC
	Year: 1969
Actual: 17 ft.	Type: AUTOMOBILE REPAIRING
	Name: CITY TOW SERVICE & GARAGE INC
	Year: 1969
	Type: AUTOMOBILE REPAIRING
	Name: MYLO AUTO BODY
	Year: 1999
	Address: 1630 SAN FRANCISCO AVE
	Name: MYLO AUTO BODY
	Year: 2001
	Address: 1630 SAN FRANCISCO AVE
	Name: MYLO AUTO BODY
	Year: 2002
	Address: 1630 SAN FRANCISCO AVE
	Name: MYLO AUTO BODY
	Year: 2003
	Address: 1630 SAN FRANCISCO AVE
	Name: MYLO AUTO BODY
	Year: 2004
	Address: 1630 SAN FRANCISCO AVE
	Name: MYLO AUTO BODY
	Year: 2005
	Address: 1630 SAN FRANCISCO AVE
	Name: MYLO AUTO BODY
	Year: 2006
	Address: 1630 SAN FRANCISCO AVE
	Name: MYLO AUTO BODY
	Year: 2008
	Address: 1630 SAN FRANCISCO AVE

B19 North < 1/8 0.013 mi. 66 ft.	CITY TOW SERVICE & GARAGE INC 1630 S SAN FERNANDO BLVD LONG BEACH, CA Site 2 of 6 in cluster B	EDR US Hist Auto Stat	1009015044 N/A
--	---	------------------------------	---------------------------------

Relative: Higher	EDR Historical Auto Stations:
	Name: CITY TOW SERVICE & GARAGE INC
	Year: 1969
Actual: 17 ft.	Type: AUTOMOBILE REPAIRING

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

	Site	Database(s)	
B20 North < 1/8 0.013 mi. 66 ft.	1630 SAN FRANCISCO AVE LONG BEACH, CA Site 3 of 6 in cluster B	CA UST	U003920250 N/A
Relative: Higher	LONG BEACH UST: DATA AS OF 02/25/2014:		
Actual: 17 ft.	Region: LONG BEACH Tanks: OT Tank Test: Not reported Leak Test: Not reported Tank Status: Not reported		
B21 North < 1/8 0.014 mi. 75 ft.	1634 SAN FRANCISCO AVE LONG BEACH, CA 90813 Site 4 of 6 in cluster B	EDR US Hist Auto Stat	1015258580 N/A
Relative: Higher	EDR Historical Auto Stations: Name: FRANKS BODY SHOP Year: 2002		
Actual: 17 ft.	Address: 1634 SAN FRANCISCO AVE		
22 South < 1/8 0.015 mi. 77 ft.	0824 W ANAHEIM ST LONG BEACH, CA	CA UST	U003919747 N/A
Relative: Lower	LONG BEACH UST: DATA AS OF 02/25/2014:		
Actual: 11 ft.	Region: LONG BEACH Tanks: 1F Tank Test: Not reported Leak Test: Not reported Tank Status: Not reported		
C23 NE < 1/8 0.020 mi. 106 ft.	SEVEN STRAND TACKLE CORP 899 W COWLES ST LONG BEACH, CA 90813 Site 1 of 2 in cluster C	RCRA-SQG FINDS CA HAZNET	1000593513 CAD982446585
Relative: Lower	RCRA-SQG: Date form received by agency: 09/01/1996 Facility name: SEVEN STRAND TACKLE CORP Facility address: 899 W COWLES ST LONG BEACH, CA 90813		
Actual: 12 ft.	EPA ID: CAD982446585 Mailing address: W COWLES ST LONG BEACH, CA 90813 Contact: Not reported Contact address: Not reported		

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SEVEN STRAND TACKLE CORP (Continued)

1000593513

Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 09
Land type: Facility is not located on Indian land. Additional information is not known.
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: BILL BUCHANAN
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 09/22/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SEVEN STRAND TACKLE CORP (Continued)

1000593513

Date achieved compliance: Not reported
Evaluation lead agency: State Contractor/Grantee

FINDS:

Registry ID: 110002814964

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZNET:

envid: 1000593513
Year: 2009
GEPAID: CAD982446585
Contact: LAURIE HOCKER/OFFICE MANAGER
Telephone: 5624371010
Mailing Name: Not reported
Mailing Address: 729 W 16TH STREET A4
Mailing City,St,Zip: COSTA MESA, CA 926270000
Gen County: Not reported
TSD EPA ID: CAD980887418
TSD County: Not reported
Waste Category: Waste oil and mixed oil
Disposal Method: Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 24.7
Facility County: Los Angeles

envid: 1000593513
Year: 2005
GEPAID: CAD982446585
Contact: LAURIE HOCKER/OFFICE MANAGER
Telephone: 5624371010
Mailing Name: Not reported
Mailing Address: 729 W 16TH STREET A4
Mailing City,St,Zip: COSTA MESA, CA 926270000
Gen County: Not reported
TSD EPA ID: CAD008302903
TSD County: Not reported
Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method: Recycler
Tons: 1
Facility County: Los Angeles

envid: 1000593513
Year: 2005
GEPAID: CAD982446585
Contact: LAURIE HOCKER/OFFICE MANAGER
Telephone: 5624371010
Mailing Name: Not reported
Mailing Address: 729 W 16TH STREET A4

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SEVEN STRAND TACKLE CORP (Continued)

1000593513

Mailing City,St,Zip: COSTA MESA, CA 926270000
Gen County: Not reported
TSD EPA ID: CAD008302903
TSD County: Not reported
Waste Category: Liquids with pH <= 2
Disposal Method: Transfer Station
Tons: 0.02
Facility County: Los Angeles

envid: 1000593513
Year: 2005
GEPAID: CAD982446585
Contact: LAURIE HOCKER/OFFICE MANAGER
Telephone: 5624371010
Mailing Name: Not reported
Mailing Address: 729 W 16TH STREET A4
Mailing City,St,Zip: COSTA MESA, CA 926270000
Gen County: Not reported
TSD EPA ID: CAD008302903
TSD County: Not reported
Waste Category: Off-specification, aged or surplus organics
Disposal Method: Recycler
Tons: 0.5
Facility County: Los Angeles

envid: 1000593513
Year: 2004
GEPAID: CAD982446585
Contact: LAURIE HOCKER/OFFICE MANAGER
Telephone: 5624371010
Mailing Name: Not reported
Mailing Address: 729 W 16TH STREET A4
Mailing City,St,Zip: COSTA MESA, CA 926270000
Gen County: Not reported
TSD EPA ID: CAD008302903
TSD County: Not reported
Waste Category: Off-specification, aged or surplus organics
Disposal Method: Recycler
Tons: 0.12
Facility County: Los Angeles

[Click this hyperlink](#) while viewing on your computer to access
16 additional CA_HAZNET: record(s) in the EDR Site Report.

B24
NNE
< 1/8
0.021 mi.
113 ft.

LONG BEACH SEAFOODS CO
0845 W 16TH ST
LONG BEACH, CA
Site 5 of 6 in cluster B

CA UST **U003660000**
N/A

Relative:
Higher

LONG BEACH UST:
DATA AS OF 02/25/2014:

Actual:
15 ft.

Region: LONG BEACH
Tanks: 0T
Tank Test: Not reported
Leak Test: Not reported
Tank Status: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

D25
North
< 1/8
0.044 mi.
234 ft.

OCEAN BLUE ENVIRONMENTAL SVC
925 W ESTHER ST
LONG BEACH, CA 90813

Site 1 of 4 in cluster D

RCRA NonGen / NLR
PADS
FINDS

1000596842
CAD983608258

Relative:
Higher

RCRA NonGen / NLR:

Actual:
17 ft.

Date form received by agency: 07/27/1994
Facility name: OCEAN BLUE ENVIRONMENTAL SVC
Facility address: 925 W ESTHER ST
LONG BEACH, CA 90813
EPA ID: CAD983608258
Mailing address: 4119 COLORADO ST
LONG BEACH, CA 90814
Contact: SCOTT TRACY
Contact address: 925 W ESTHER ST
LONG BEACH, CA 90813
Contact country: US
Contact telephone: (310) 433-2726
Contact email: Not reported
EPA Region: 09
Land type: Private
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: OCEAN BLUE ENVIRONMENTAL SVC
Owner/operator address: 925 W ESTHER ST
LONG BEACH, CA 90813
Owner/operator country: Not reported
Owner/operator telephone: (310) 433-2726
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. Importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: Yes
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Facility Has Received Notices of Violations:

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 11/06/2002
Date achieved compliance: 11/21/2002

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

OCEAN BLUE ENVIRONMENTAL SVC (Continued)

1000596842

Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/06/2002
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 11/06/2002
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 11/21/2002
Evaluation lead agency: State

PADS:

EPAID: CAD983608258
Facility name: OCEAN BLUE ENVIRONMENTAL SVC
Facility Address: 925 W ESTHER ST
LONG BEACH, CA 90813
Facility country: US
Generator: No
Storer: No
Transporter: Yes
Disposer: No
Research facility: No
Smelter: No
Facility owner name: RON DARE
Contact title: PRESIDENT
Contact name: RON DARE
Contact tel: 562-624-4120
Contact extension: Not reported
Mailing address: 925 W ESTER ST.
LONG BEACH, CA 90813
Mailing country: US
Cert. title: PRESIDENT
Cert. name: RON DARE
Cert. date: 04/10/2013
Date received: 06/14/2013

FINDS:

Registry ID: 110002862741

Environmental Interest/Information System

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

OCEAN BLUE ENVIRONMENTAL SVC (Continued)

1000596842

corrective action activities required under RCRA.

D26
North
< 1/8
0.044 mi.
234 ft.

ALLWASTE SERVICES, INC.
925 W ESTHER ST
LONG BEACH, CA 90813

CA HAULERS
CA HWP
CA MWMP

S103676402
N/A

Site 2 of 4 in cluster D

Relative:
Higher

Actual:
17 ft.

HAULERS:

Facility ID: 1003834
Facility Phone: (562) 624-4120
Business Email Address: Not reported
Contact Person: SCOTT TRACY, Karen Carrillo, Stewart Roseman
Mailing Address: 3110 Hancock St
Mailing City: San Diego
Mailing State: CA
Mailing Zip: 92110-4415
Mailing County: San Diego
Mailing Phone: Not reported
Waste Tire Permit Summary: No Permit record for this business.

Detail:

SR#: 841
Current Role: Hauler
Current Role Status: Registered
Facility ID: 1003834

SR#: 841
Current Role: End Use
Current Role Status: Yes
Facility ID: 1003834

SR#: 841
Current Role: Generator
Current Role Status: Small Quantity
Facility ID: 1003834

HWP:

EPA Id: CAT080029952
Cleanup Status: UNDERGOING CLOSURE
Latitude: 33.78653
Longitude: -118.2203
Facility Type: Historical - Non-Operating
Facility Size: Not reported
Team: Not reported
Supervisor: Not reported
Site Code: N/A
Assembly District: 70
Senate District: 33
Public Information Officer: Not reported

Activities:

EPA Id: CAT080029952
Facility Type: Historical - Non-Operating
Unit Names: Unit 1
Event Description: Renewal - No Changes - APPLICATION PART A RECEIVED

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALLWASTE SERVICES, INC. (Continued)

S103676402

Actual Date: 04/05/1993

EPA Id: CAT080029952
Facility Type: Historical - Non-Operating
Unit Names: Unit 1
Event Description: New Operating Permit - FINAL PERMIT
Actual Date: 09/20/1988

EPA Id: CAT080029952
Facility Type: Historical - Non-Operating
Unit Names: Unit 1
Event Description: New Operating Permit - FINAL PERMIT (EFFECTIVE)
Actual Date: 09/20/1988

EPA Id: CAT080029952
Facility Type: Historical - Non-Operating
Unit Names: Unit 1
Event Description: New Operating Permit - FINAL PERMIT (EXPIRES)
Actual Date: 09/20/1993

Alias:
EPA Id: CAT080029952
Facility Type: Historical - Non-Operating
Alias Type: Project Code (Site Code)
Alias: N/A

MWMP:
Facility Type: MEDICAL WASTE TRANSPORTERS - December 12, 2014
Contact Name: Not reported
Contact Phone: 562-624-4120
Registration Number: 3354

D27
North
< 1/8
0.044 mi.
234 ft.

OCEAN BLUE ENVIRONMENTAL SERVICES, INC.
925 WEST ESTHER STREET
LONG BEACH, CA 90813
Site 3 of 4 in cluster D

CA HWT **S108487598**
N/A

Relative:
Higher

HWT:
Reg Num: 3354
Expiration Date: 09/30/2014

Actual:
17 ft.

B28
NNE
< 1/8
0.045 mi.
235 ft.

LONG BEACH SEAFOODS CO
0825 W 16TH ST
LONG BEACH, CA
Site 6 of 6 in cluster B

CA UST **U003659999**
N/A

Relative:
Higher

LONG BEACH UST:
DATA AS OF 02/25/2014:
Region: LONG BEACH
Tanks: 0T
Tank Test: Not reported
Leak Test: Not reported

Actual:
17 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LONG BEACH SEAFOODS CO (Continued)

U003659999

Tank Status: Not reported

E29
SE
< 1/8
0.049 mi.
260 ft.

0750 W ANAHEIM ST
LONG BEACH, CA
Site 1 of 2 in cluster E

CA UST **U003919745**
N/A

Relative:
Lower

LONG BEACH UST:

DATA AS OF 02/25/2014:

Actual:
11 ft.

Region: LONG BEACH
Tanks: 2F
Tank Test: Not reported
Leak Test: Not reported
Tank Status: Not reported

E30
SE
< 1/8
0.054 mi.
285 ft.

CHEVRON #209725 (2 D/W XERXES 15 & 20M)
0725 W ANAHEIM ST
LONG BEACH, CA
Site 2 of 2 in cluster E

CA UST **U003854693**
N/A

Relative:
Lower

LONG BEACH UST:

DATA AS OF 02/25/2014:

Actual:
10 ft.

Region: LONG BEACH
Tanks: 2T
Tank Test: Dual Walled
Leak Test: Not reported
Tank Status: Not reported

F31
East
< 1/8
0.060 mi.
317 ft.

HARBOR DIESEL & EQUIPMENT INCORPORATED
537 WEST ANAHEIM STREET
LONG BEACH, CA 90813

RCRA-SQG **1000340407**
FINDS **CAD054830187**

Site 1 of 5 in cluster F

Relative:
Lower

RCRA-SQG:

Date form received by agency: 09/01/1996

Facility name: ARBOR DIESEL & EQUIPMENT, INC.

Facility address: 537 WEST ANAHEIM ST.

LONG BEACH, CA 90813

EPA ID: CAD054830187

Mailing address: P O BOX 21399

LONG BEACH, CA 90801

Contact: Not reported

Contact address: Not reported

Not reported

Contact country: US

Contact telephone: Not reported

Contact email: Not reported

EPA Region: 09

Land type: Facility is not located on Indian land. Additional information is not known.

Classification: Small Small Quantity Generator

Description: Handler: generates more than 100 and less than 1000 kg of hazardous

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HARBOR DIESEL & EQUIPMENT INCORPORATED (Continued)

1000340407

waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: JAMES V. ZUPANOVICH
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 05/13/1986
Site name: ARBOR DIESEL & EQUIPMENT, INC.
Classification: Large Quantity Generator

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 04/10/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HARBOR DIESEL & EQUIPMENT INCORPORATED (Continued)

1000340407

Evaluation lead agency: State Contractor/Grantee

FINDS:

Registry ID: 110002650079

Environmental Interest/Information System

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

F32
East
< 1/8
0.060 mi.
317 ft.

HARBOR DIESEL & EQUIPMENT INC
0537 W ANAHEIM ST
LONG BEACH, CA

CA HIST CORTESE
CA LUST
CA UST

U003660140
N/A

Site 2 of 5 in cluster F

Relative:
Lower

HIST CORTESE:

Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 908130125

Actual:
11 ft.

LUST:

Region: STATE
Global Id: T0603701927
Latitude: 33.782925
Longitude: -118.198342
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 11/23/1987
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Worker: YR
Local Agency: LONG BEACH, CITY OF
RB Case Number: 908130125
LOC Case Number: Not reported
File Location: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Diesel
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id: T0603701927
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HARBOR DIESEL & EQUIPMENT INC (Continued)

U003660140

City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

Global Id: T0603701927
Contact Type: Local Agency Caseworker
Contact Name: CARMEN PIRO
Organization Name: LONG BEACH, CITY OF
Address: 2525 GRAND AVE.
City: LONG BEACH
Email: carmen.piro@longbeach.gov
Phone Number: 5625704137

Status History:
Global Id: T0603701927
Status: Open - Case Begin Date
Status Date: 08/22/1986

Global Id: T0603701927
Status: Completed - Case Closed
Status Date: 11/23/1987

Regulatory Activities:
Global Id: T0603701927
Action Type: Other
Date: 08/22/1986
Action: Leak Reported

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 908130125
Status: Case Closed
Substance: Diesel
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: CBCD
Global ID: T0603701927
W Global ID: Not reported
Staff: UNK
Local Agency: 19060
Cross Street: MAGNOLIA
Enforcement Type: Not reported
Date Leak Discovered: Not reported
Date Leak First Reported: 8/22/1986
Date Leak Record Entered: 9/9/1987
Date Confirmation Began: Not reported
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 3/18/1992
Date the Case was Closed: 11/23/1987
How Leak Discovered: Not reported
How Leak Stopped: Not reported
Cause of Leak: UNK

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HARBOR DIESEL & EQUIPMENT INC (Continued)

U003660140

Leak Source: UNK
Operator: Not reported
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 15686.001950599092725149006397
Source of Cleanup Funding: UNK
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: Not reported
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Yes
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: HARBOR DIESEL & EQUIP, INC
RP Address: 537 W ANAHEIM ST, LONG BEACH, CA 90813
Program: LUST
Lat/Long: 33.7827157 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: SIGNED OFF ON 11/23/87

LONG BEACH UST:

DATA AS OF 02/25/2014:

Region: LONG BEACH
Tanks: 0T
Tank Test: Not reported
Leak Test: Not reported
Tank Status: Not reported

F33
East
< 1/8
0.060 mi.
317 ft.

CLARIANT CORP
801 W 14TH ST
LONG BEACH, CA 90813

Site 3 of 5 in cluster F

CA AST **A100323455**
N/A

Relative:
Lower

AST:
Certified Unified Program Agencies: Long Beach
Owner: CLARIANT CORP
Total Gallons: 8,000

Actual:
11 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

F34
East
< 1/8
0.060 mi.
317 ft.

T R OIL SERVICES L O B
801 WEST 14TH STREET
LONG BEACH, CA 90813

Site 4 of 5 in cluster F

Relative:
Lower

Actual:
11 ft.

RCRA NonGen / NLR
FINDS
CA HIST CORTESE
CA LUST
CA FID UST
CA SLIC
CA UST
CA HIST UST
CA SWEEPS UST

1000243102
CAD981380199

RCRA NonGen / NLR:

Date form received by agency: 04/02/2002

Facility name: T R OIL SERVICES L O B

Facility address: 801 WEST 14TH STREET
LONG BEACH, CA 90813

EPA ID: CAD981380199

Mailing address: 2675 JUNIPERO AVE STE 800
SIGNAL HILL, CA 90806

Contact: DEVON BENCH

Contact address: 801 WEST 14TH STREET
LONG BEACH, CA 90813

Contact country: US

Contact telephone: (562) 436-9901

Contact email: Not reported

EPA Region: 09

Classification: Non-Generator

Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: NOT REQUIRED

Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999

Owner/operator country: Not reported

Owner/operator telephone: (415) 555-1212

Legal status: Private

Owner/Operator Type: Operator

Owner/Op start date: Not reported

Owner/Op end date: Not reported

Owner/operator name: T R OIL SERVICES INC

Owner/operator address: 333 N SAM HOUSTON PKWY NO 900
HOUSTON, TX 77060

Owner/operator country: Not reported

Owner/operator telephone: (281) 447-7728

Legal status: Private

Owner/Operator Type: Owner

Owner/Op start date: Not reported

Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No

Mixed waste (haz. and radioactive): No

Recycler of hazardous waste: No

Transporter of hazardous waste: No

Treater, storer or disposer of HW: No

Underground injection activity: No

On-site burner exemption: No

Furnace exemption: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

T R OIL SERVICES L O B (Continued)

1000243102

Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D029
. Waste name: 1,1-DICHLOROETHYLENE

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: U002
. Waste name: 2-PROPANONE (I) (OR) ACETONE (I)

. Waste code: U078
. Waste name: 1,1-DICHLOROETHYLENE (OR) ETHENE, 1,1-DICHLORO-

. Waste code: U165
. Waste name: NAPHTHALENE

. Waste code: U220
. Waste name: BENZENE, METHYL- (OR) TOLUENE

. Waste code: U227
. Waste name: 1,1,2-TRICHLOROETHANE (OR) ETHANE, 1,1,2-TRICHLORO-

Violation Status: No violations found

FINDS:

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

T R O I L S E R V I C E S L O B (Continued)

1000243102

Registry ID: 110002687441

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HIST CORTESE:

Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 9080130407

LUST:

Region: STATE
Global Id: T0603701954
Latitude: 33.7839377
Longitude: -118.2020612
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 04/04/1997
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Worker: YR
Local Agency: LONG BEACH, CITY OF
RB Case Number: 908130407
LOC Case Number: Not reported
File Location: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

Contact:

Global Id: T0603701954
Contact Type: Local Agency Caseworker
Contact Name: CARMEN PIRO
Organization Name: LONG BEACH, CITY OF
Address: 2525 GRAND AVE.
City: LONG BEACH
Email: carmen.piro@longbeach.gov
Phone Number: 5625704137

Global Id: T0603701954
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

T R O I L S E R V I C E S L O B (Continued)

1000243102

Status History:

Global Id: T0603701954
Status: Completed - Case Closed
Status Date: 04/04/1997

Global Id: T0603701954
Status: Open - Case Begin Date
Status Date: 02/03/1989

Global Id: T0603701954
Status: Open - Site Assessment
Status Date: 04/06/1989

Regulatory Activities:

Global Id: T0603701954
Action Type: Other
Date: 02/03/1989
Action: Leak Discovery

Global Id: T0603701954
Action Type: Other
Date: 02/03/1989
Action: Leak Stopped

Global Id: T0603701954
Action Type: Other
Date: 03/04/1989
Action: Leak Reported

LUST REG 4:

Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 908130407
Status: Case Closed
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater
Abatement Method Used at the Site: Not reported
Global ID: T0603701954
W Global ID: Not reported
Staff: UNK
Local Agency: 19060
Cross Street: Not reported
Enforcement Type: Not reported
Date Leak Discovered: 2/3/1989
Date Leak First Reported: 3/4/1989
Date Leak Record Entered: Not reported
Date Confirmation Began: Not reported
Date Leak Stopped: 2/3/1989
Date Case Last Changed on Database: 3/24/1997
Date the Case was Closed: 4/4/1997
How Leak Discovered: Tank Closure
How Leak Stopped: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

T R O I L S E R V I C E S L O B (Continued)

1000243102

Cause of Leak: Corrosion
Leak Source: Tank
Operator: OLD CASE #040689-02
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 16037.927017457114671658614842
Source of Cleanup Funding: Tank
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: 4/6/1989
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: TECHNICAL SERVICES COMPANY
RP Address: SAME AS SITE
Program: LUST
Lat/Long: 33.7839377 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: SOIL TPH (MAX)= 29 MG/KG. G/W @ 10' DEEP.

CA FID UST:

Facility ID: 19056600
Regulated By: UTNKA
Regulated ID: 00003103
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 2134369901
Mail To: Not reported
Mailing Address: 801 W 014TH ST
Mailing Address 2: Not reported
Mailing City,St,Zip: LONG BEACH 90813
Contact: Not reported
Contact Phone: Not reported
DUNS Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

SLIC:

Region: STATE
Facility Status: Open - Assessment & Interim Remedial Action

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

T R O I L S E R V I C E S L O B (Continued)

1000243102

Status Date: 02/02/2012
Global Id: SL204EB2404
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number: Not reported
Latitude: 33.783791
Longitude: -118.200043
Case Type: Cleanup Program Site
Case Worker: RE
Local Agency: Not reported
RB Case Number: 204EB00
File Location: Regional Board
Potential Media Affected: Aquifer used for drinking water supply, Soil
Potential Contaminants of Concern: Benzene, Toluene, Xylene, Diesel, Gasoline
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

SLIC REG 4:

Region: 4
Facility Status: Site Assessment
SLIC: 0988
Substance: TPH/VOCs
Staff: RE

LONG BEACH UST:

DATA AS OF 02/25/2014:

Region: LONG BEACH
Tanks: 0T
Tank Test: Not reported
Leak Test: Not reported
Tank Status: Not reported

HIST UST:

Region: STATE
Facility ID: 00000003103
Facility Type: Other
Other Type: Not reported
Contact Name: JOHN D. WOODRUFF
Telephone: 2134369901
Owner Name: TECHNICAL SERVICE COMPANY
Owner Address: 801 WEST 14TH STREET
Owner City,St,Zip: LONG BEACH, CA 90813
Total Tanks: 0005

Tank Num: 001
Container Num: 1
Year Installed: 1968
Tank Capacity: 00005000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: 1/4
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: 2

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

T R O I L S E R V I C E S L O B (Continued)

1000243102

Year Installed: 1978
Tank Capacity: 00001000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: 1/4
Leak Detection: Stock Inventor

Tank Num: 003
Container Num: 3
Year Installed: 1978
Tank Capacity: 00005000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: 1/4
Leak Detection: Stock Inventor

Tank Num: 004
Container Num: 4
Year Installed: 1980
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: 1/4
Leak Detection: Stock Inventor

Tank Num: 005
Container Num: 5
Year Installed: 1965
Tank Capacity: 00001500
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 6
Leak Detection: None

SWEEPS UST:

Status: Active
Comp Number: 3103
Number: 9
Board Of Equalization: 44-013286
Referral Date: 07-01-85
Action Date: Not reported
Created Date: 02-29-88
Owner Tank Id: 1
SWRCB Tank Id: 19-060-003103-000001
Tank Status: A
Capacity: 5000
Active Date: 07-01-85
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: 5

Status: Active
Comp Number: 3103
Number: 9
Board Of Equalization: 44-013286
Referral Date: 07-01-85

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

T R O I L S E R V I C E S L O B (Continued)

1000243102

Action Date: Not reported
Created Date: 02-29-88
Owner Tank Id: 2
SWRCB Tank Id: 19-060-003103-000002
Tank Status: A
Capacity: 1000
Active Date: 07-01-85
Tank Use: UNKNOWN
STG: P
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 3103
Number: 9
Board Of Equalization: 44-013286
Referral Date: 07-01-85
Action Date: Not reported
Created Date: 02-29-88
Owner Tank Id: 3
SWRCB Tank Id: 19-060-003103-000003
Tank Status: A
Capacity: 5000
Active Date: 07-01-85
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Active
Comp Number: 3103
Number: 9
Board Of Equalization: 44-013286
Referral Date: 07-01-85
Action Date: Not reported
Created Date: 02-29-88
Owner Tank Id: 4
SWRCB Tank Id: 19-060-003103-000004
Tank Status: A
Capacity: 10000
Active Date: 07-01-85
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Active
Comp Number: 3103
Number: 9
Board Of Equalization: 44-013286
Referral Date: 07-01-85
Action Date: Not reported
Created Date: 02-29-88
Owner Tank Id: 5
SWRCB Tank Id: 19-060-003103-000005
Tank Status: A
Capacity: 1500

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

T R OIL SERVICES L O B (Continued)

1000243102

Active Date: 07-01-85
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

**C35
ENE
< 1/8
0.060 mi.
318 ft.**

**812 W COWLES ST
LONG BEACH, CA 90813**

**EDR US Hist Auto Stat 1015644433
N/A**

Site 2 of 2 in cluster C

**Relative:
Lower**

EDR Historical Auto Stations:

Name: NUMBER ONE AUTO TOWING INC
Year: 2010
Address: 812 W COWLES ST

**Actual:
12 ft.**

Name: NUMBER ONE AUTO TOWING INC
Year: 2011
Address: 812 W COWLES ST

Name: NUMBER ONE AUTO TOWING INC
Year: 2012
Address: 812 W COWLES ST

**G36
NE
< 1/8
0.068 mi.
358 ft.**

**BKK CORP
0800 W 15TH ST
LONG BEACH, CA**

**CA HIST CORTESE U001566289
CA LUST N/A
CA UST
CA HIST UST**

Site 1 of 6 in cluster G

**Relative:
Higher**

HIST CORTESE:

Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 908130570

**Actual:
15 ft.**

LUST:

Region: STATE
Global Id: T0603701968
Latitude: 33.7856437
Longitude: -118.2020413
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 12/02/1986
Lead Agency: LONG BEACH, CITY OF
Case Worker: CP
Local Agency: LONG BEACH, CITY OF
RB Case Number: 908130570
LOC Case Number: Not reported
File Location: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Waste Oil / Motor / Hydraulic / Lubricating
Site History: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BKK CORP (Continued)

U001566289

[Click here to access the California GeoTracker records for this facility:](#)

Contact:

Global Id:	T0603701968
Contact Type:	Local Agency Caseworker
Contact Name:	CARMEN PIRO
Organization Name:	LONG BEACH, CITY OF
Address:	2525 GRAND AVE.
City:	LONG BEACH
Email:	carmen.piro@longbeach.gov
Phone Number:	5625704137
Global Id:	T0603701968
Contact Type:	Regional Board Caseworker
Contact Name:	YUE RONG
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 W. 4TH ST., SUITE 200
City:	Los Angeles
Email:	yrong@waterboards.ca.gov
Phone Number:	Not reported

Status History:

Global Id:	T0603701968
Status:	Open - Case Begin Date
Status Date:	09/15/1986
Global Id:	T0603701968
Status:	Completed - Case Closed
Status Date:	12/02/1986

Regulatory Activities:

Global Id:	T0603701968
Action Type:	ENFORCEMENT
Date:	12/06/2006
Action:	* No Action
Global Id:	T0603701968
Action Type:	Other
Date:	09/15/1986
Action:	Leak Reported

LUST REG 4:

Region:	4
Regional Board:	04
County:	Los Angeles
Facility Id:	908130570
Status:	Case Closed
Substance:	Waste Oil
Substance Quantity:	Not reported
Local Case No:	Not reported
Case Type:	Soil
Abatement Method Used at the Site:	Not reported
Global ID:	T0603701968
W Global ID:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BKK CORP (Continued)

U001566289

Staff: UNK
Local Agency: 19060
Cross Street: SAN FRANCISCO AVE
Enforcement Type: Not reported
Date Leak Discovered: Not reported
Date Leak First Reported: 9/15/1986
Date Leak Record Entered: 8/5/1987
Date Confirmation Began: Not reported
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 9/15/1986
Date the Case was Closed: 12/2/1986
How Leak Discovered: Not reported
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Operator: Not reported
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 15549.114847403879820428084256
Source of Cleanup Funding: UNK
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: Not reported
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: BKK CORPORATION
RP Address: 2550 237TH ST, TORRANCE, CA 90505
Program: LUST
Lat/Long: 33.7856437 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: Not reported

LONG BEACH UST:

DATA AS OF 02/25/2014:

Region: LONG BEACH
Tanks: 0T
Tank Test: Not reported
Leak Test: Not reported
Tank Status: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BKK CORP (Continued)

U001566289

HIST UST:

Region: STATE
Facility ID: 00000016806
Facility Type: Other
Other Type: TRUCK TERMINAL
Contact Name: JOHN LAMBIE
Telephone: 2134328461
Owner Name: BKK CORPORATION
Owner Address: 2550 237TH STREET
Owner City,St,Zip: TORRANCE, CA 90505
Total Tanks: 0004

Tank Num: 001
Container Num: LOI
Year Installed: Not reported
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor, None

Tank Num: 002
Container Num: LO2
Year Installed: Not reported
Tank Capacity: 00007500
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor, None

Tank Num: 003
Container Num: LO3
Year Installed: Not reported
Tank Capacity: 00000000
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 004
Container Num: LO4
Year Installed: Not reported
Tank Capacity: 00000000
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Container Construction Thickness: Not reported
Leak Detection: None

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

G37
NE
< 1/8
0.068 mi.
358 ft.

CHANCELLOR & OGDEN
800 W 15TH ST
LONG BEACH, CA 90813

RCRA NonGen / NLR
FINDS

1000308113
CAD980880538

Site 2 of 6 in cluster G

Relative:
Higher

RCRA NonGen / NLR:

Actual:
15 ft.

Date form received by agency: 09/30/1983
Facility name: CHANCELLOR & OGDEN
Facility address: 800 W 15TH ST
LONG BEACH, CA 90813
EPA ID: CAD980880538
Mailing address: 2550 SECOND HUNDRED THIRTY SEV
TORRANCE, CA 90505
Contact: ENVIRONMENTAL MANAGER
Contact address: 800 W 15TH ST
LONG BEACH, CA 90813
Contact country: US
Contact telephone: (213) 539-7150
Contact email: Not reported
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: BKK CORPORATION
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. Importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHANCELLOR & OGDEN (Continued)

1000308113

Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110009533406

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

**G38
NE
< 1/8
0.068 mi.
358 ft.**

**BKK CORPORATION/READY STORAGE
800 WEST 15TH STREET
LONG BEACH, CA 90813**

**CA SLIC
CA HAZNET**

**S106483993
N/A**

Site 3 of 6 in cluster G

**Relative:
Higher**

SLIC:

Region: STATE
Facility Status: Open - Verification Monitoring
Status Date: 07/22/2014
Global Id: SL2047J1677
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number: Not reported
Latitude: 33.7856213133775
Longitude: -118.201775550842
Case Type: Cleanup Program Site
Case Worker: JB
Local Agency: Not reported
RB Case Number: 0876
File Location: Regional Board
Potential Media Affected: Other Groundwater (uses other than drinking water), Soil, Soil Vapor
Potential Contaminants of Concern: Not reported
Site History: The site, which contains a two story storage facility, is located on the southeast corner of the intersection of West 15th Street and San Francisco Street. Contaminants of concern include petroleum hydrocarbons from former fuel USTs as well as PCE and its breakdown products.

**Actual:
15 ft.**

[Click here to access the California GeoTracker records for this facility:](#)

HAZNET:

envid: S106483993
Year: 2013
GEPAID: CAC002743061
Contact: ROGER DE YOUNG
Telephone: 9492962810
Mailing Name: Not reported
Mailing Address: 2210 AZUSA AVE
Mailing City,St,Zip: WEST COVINA, CA 91762

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BKK CORPORATION/READY STORAGE (Continued)

S106483993

Gen County: Los Angeles
TSD EPA ID: CAD028409019
TSD County: Los Angeles
Waste Category: Not reported
Disposal Method: Discharge To Sewer/Potw Or Npdes(With Prior Storage--With Or Without Treatment)
Tons: 0.21
Facility County: Not reported

**G39
NE
< 1/8
0.069 mi.
362 ft.**

**IT CORP-ROUTH TRANSPORT & TRANSFER FAC
800 15TH ST
LONG BEACH, CA 90813**

**RCRA NonGen / NLR
FINDS**

**1000180416
CAD041156464**

Site 4 of 6 in cluster G

**Relative:
Higher**

RCRA NonGen / NLR:

**Actual:
15 ft.**

Date form received by agency: 08/18/1980
Facility name: IT CORP-ROUTH TRANSPORT & TRANSFER FAC
Facility address: 800 15TH ST
LONG BEACH, CA 90813
EPA ID: CAD041156464
Mailing address: 336 W ANAHEIM ST
WILMINGTON, CA 90744
Contact: ENVIRONMENTAL MANAGER
Contact address: 800 15TH ST
LONG BEACH, CA 90813
Contact country: US
Contact telephone: (213) 830-1781
Contact email: Not reported
EPA Region: 09
Land type: Other land type
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: IT TRANSPORTATION CORP
Owner/operator address: 336 W ANAHEIM ST
NOT REQUIRED, CA 99999
Owner/operator country: Not reported
Owner/operator telephone: (213) 830-1781
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: ROUTH TRANSPORTATION CORPORATION
Owner/operator address: 800 W 15TH ST
LONG BEACH, CA 90813
Owner/operator country: Not reported
Owner/operator telephone: (213) 435-4823
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

IT CORP-ROUTH TRANSPORT & TRANSFER FAC (Continued)

1000180416

Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: Yes
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 03/06/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

FINDS:

Registry ID: 110002644069

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

G40
NE
< 1/8
0.069 mi.
362 ft.

BKK CORPORATION
800 W 015TH ST
LONG BEACH, CA 90813

CA FID UST S101629836
CA SWEEPS UST N/A

Site 5 of 6 in cluster G

Relative:
Higher

CA FID UST:

Facility ID: 19056630
Regulated By: UTNKA
Regulated ID: 00016806
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 2134328461
Mail To: Not reported
Mailing Address: 2550 237TH ST
Mailing Address 2: Not reported
Mailing City,St,Zip: LONG BEACH 90813
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported

Actual:
15 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BKK CORPORATION (Continued)

S101629836

EPA ID: Not reported
Comments: Not reported
Status: Active

SWEEPS UST:

Status: Active
Comp Number: 16806
Number: 9
Board Of Equalization: 44-010634
Referral Date: 07-01-85
Action Date: Not reported
Created Date: 02-29-88
Owner Tank Id: LO1
SWRCB Tank Id: 19-060-016806-000001
Tank Status: A
Capacity: 10000
Active Date: 07-01-85
Tank Use: M.V. FUEL
STG: P
Content: DIESEL
Number Of Tanks: 4

Status: Active
Comp Number: 16806
Number: 9
Board Of Equalization: 44-010634
Referral Date: 07-01-85
Action Date: Not reported
Created Date: 02-29-88
Owner Tank Id: LO2
SWRCB Tank Id: 19-060-016806-000002
Tank Status: A
Capacity: 7500
Active Date: 07-01-85
Tank Use: M.V. FUEL
STG: P
Content: DIESEL
Number Of Tanks: Not reported

Status: Active
Comp Number: 16806
Number: 9
Board Of Equalization: 44-010634
Referral Date: 07-01-85
Action Date: Not reported
Created Date: 02-29-88
Owner Tank Id: LO3
SWRCB Tank Id: 19-060-016806-000003
Tank Status: A
Capacity: Not reported
Active Date: 07-01-85
Tank Use: OIL
STG: W
Content: WASTE OIL
Number Of Tanks: Not reported

Status: Active

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BKK CORPORATION (Continued)

S101629836

Comp Number: 16806
Number: 9
Board Of Equalization: 44-010634
Referral Date: 07-01-85
Action Date: Not reported
Created Date: 02-29-88
Owner Tank Id: LO4
SWRCB Tank Id: 19-060-016806-000004
Tank Status: A
Capacity: Not reported
Active Date: 07-01-85
Tank Use: OIL
STG: W
Content: WASTE OIL
Number Of Tanks: Not reported

H41
SE
< 1/8
0.071 mi.
376 ft.

VACANT
0710 W ANAHEIM ST
LONG BEACH, CA
Site 1 of 7 in cluster H

CA UST **U003854692**
N/A

Relative:
Lower

LONG BEACH UST:

DATA AS OF 02/25/2014:

Actual:
10 ft.

Region: LONG BEACH
Tanks: 0T
Tank Test: Not reported
Leak Test: Not reported
Tank Status: Not reported

H42
SE
< 1/8
0.071 mi.
376 ft.

ARAMARK UNIFORM & CAREER APPAREL
702 W ANAHEIM ST
LONG BEACH, CA 90813

RCRA-LQG **1008194413**
CAD982030140

Site 2 of 7 in cluster H

Relative:
Lower

RCRA-LQG:

Date form received by agency: 03/01/2014

Facility name: ARAMARK UNIFORM & CAREER APPAREL

Facility address: 702 W ANAHEIM ST
LONG BEACH, CA 90813

EPA ID: CAD982030140

Mailing address: N FIRST ST
BURBANK, CA 91502

Contact: DOUG HELMSTETLER

Contact address: N FIRST ST
BURBANK, CA 91502

Contact country: Not reported

Contact telephone: (818) 973-3772

Contact email: DOUG.HELMSTETLER@UNIFORM.ARAMARK.COM

EPA Region: 09

Classification: Large Quantity Generator

Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ARAMARK UNIFORM & CAREER APPAREL (Continued)

1008194413

cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name: LONG BEACH RESCUE MISSION
Owner/operator address: W ANAHEIM ST
LONG BEACH, CA 90813
Owner/operator country: Not reported
Owner/operator telephone: (562) 495-9577
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/2012
Owner/Op end date: Not reported

Owner/operator name: ARAMARK UNIFORM & CAREER APPAREL
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/01/1988
Owner/Op end date: Not reported

Owner/operator name: ARATEX SERVICES INC
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: ARAMARK UNIFORM AND CAREER APPAREL
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 12/31/1988
Owner/Op end date: Not reported

Owner/operator name: MIGHTY WHITEY LLC
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ARAMARK UNIFORM & CAREER APPAREL (Continued)

1008194413

Owner/Op start date: 03/28/2003
Owner/Op end date: Not reported

Owner/operator name: MIGHTY WHITEY, LLC
Owner/operator address: Not reported
Not reported

Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 03/01/2003
Owner/Op end date: Not reported

Owner/operator name: MIGHTY WHITEY, LLC
Owner/operator address: 702 W. ANAHEIM STREET
LONG BEACH, CA 90813

Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 03/01/2003
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999

Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: D043
. Waste name: VINYL CHLORIDE

Historical Generators:

Date form received by agency: 02/18/2004
Site name: ARAMARK UNIFORM & CAREER APPAREL, INC.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ARAMARK UNIFORM & CAREER APPAREL (Continued)

1008194413

Classification: Small Quantity Generator

Date form received by agency: 02/18/2004

Site name: ARAMARK UNIFORM & CAREER APPAREL, INC.

Classification: Large Quantity Generator

. Waste code: D043

. Waste name: VINYL CHLORIDE

. Waste code: F002

. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Date form received by agency: 04/15/2003

Site name: ARAMARK UNIFORM AND CAREER APPAREL INC

Classification: Large Quantity Generator

. Waste code: F002

. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Date form received by agency: 09/01/1996

Site name: SERVISCO

Classification: Small Quantity Generator

Violation Status: No violations found

H43
SE
< 1/8
0.071 mi.
376 ft.

SOFT WATER LAUNDRY & DRY CLEANING CO
702 W ANAHEIM ST
LONG BEACH, CA
Site 3 of 7 in cluster H

EDR US Hist Cleaners 1009141824
N/A

Relative:
Lower

EDR Historical Cleaners:

Name: SOFT WATER LAUNDRY CO
Year: 1920
Type: LAUNDRIES

Actual:
10 ft.

Name: SOFT WATER LAUNDRY
Year: 1924
Type: LAUNDRIES

Name: SOFT WATER LAUNDRY CO
Year: 1931
Type: LAUNDRIES-STEAM

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SOFT WATER LAUNDRY & DRY CLEANING CO (Continued)

1009141824

Name:	SOFT WATER LAUNDRY CO
Year:	1935
Type:	LAUNDRIES-STEAM
Name:	SOFT WATER LAUNDRY CO
Year:	1935
Type:	LAUNDRIES STEAM
Name:	SOFT WATER LAUNDRY CO
Year:	1939
Type:	LAUNDRIES-STEAM
Name:	SOFT WATER LAUNDRY CO
Year:	1939
Type:	LAUNDRIES STEAM
Name:	SOFT WATER LAUNDRY CO
Year:	1944
Type:	LAUNDRIES STEAM
Name:	SOFT WATER LAUNDRY CO
Year:	1944
Type:	CLOTHES PRESSERS AND CLEANERS
Name:	SOFT WATER LAUNDRY CO
Year:	1944
Type:	CLOTHES PRESSERS AND CLEANERS
Name:	SOFT WATER LAUNDRY CO
Year:	1944
Type:	LAUNDRIES-STEAM
Name:	SOFT WATER LAUNDRY CO
Year:	1948
Type:	LAUNDRIES STEAM
Name:	SOFT WATER LAUNDRY CO
Year:	1948
Type:	LAUNDRIES STEAM
Name:	SOFT WATER LAUNDRY CO
Year:	1948
Type:	DRY CLEANERS
Name:	LFT WATER LAUNDRY CO
Year:	1948
Type:	CLOTHES PRESSERS AND CLEANERS
Name:	LFT WATER LAUNDRY CO
Year:	1948
Type:	CLOTHES PRESSERS AND CLEANERS
Name:	SOFT WATER LAUNDRY CO
Year:	1948
Type:	DRY CLEANERS
Name:	SOFT WATER LAUNDRY AND DRY CLEAN- ING CO

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SOFT WATER LAUNDRY & DRY CLEANING CO (Continued)

1009141824

Year: 1952
Type: LAUNDRIES - STEAM

Name: SOFT WATER LAUNDRY & DRY CLEANING CO
Year: 1952
Type: CLEANERS GARMENTS, CURTAINS AND DRAPERIES

Name: SOFT WATER LAUNDRY & DRY CLEAN- ING CO
Year: 1952
Type: CLEANERS AND DYERS

Name: SOFT WATER LAUNDRY & DRY CLEANING CO
Year: 1952
Type: DRY CLEANERS

Name: SOFT WATER LAUNDRY & DRY CLEAN- ING CO
Year: 1957
Type: LAUNDRIES

Name: SOFT WATER LAUNDRY & DRY CLEAN- ING CO
Year: 1957
Type: CALIF CLEANERS AND DYERS

Name: SOFT WATER LAUNDRY & DRY CLEAN- ERS
Year: 1963
Type: LAUNDRIES AND DRY CLEANING

Name: SOFT WATER LAUNDRY & DRY CLEAN- ERS
Year: 1963
Type: DRY CLEANERS

Name: SOFT WATER LAUNDRY & DRY CLEAN- ERS
Year: 1963
Type: LAUNDRIES AND DRY CLEANING

Name: SOFT WATER LAUNDRY & DRY CLEAN- ERS
Year: 1963
Type: DRY CLEANERS

Name: SOFT WATER LAUNDRY & DRY CLEAN- ERS
Year: 1969
Type: DRY CLEANERS

Name: SOFT WATER LAUNDRY & DRY CLEAN- ERS
Year: 1969
Type: LAUNDRIES

Name: SOFT WATER LAUNDRY & DRY CLEAN- ERS
Year: 1969
Type: DRY CLEANERS

Name: SOFT WATER LAUNDRY & DRY CLEAN- ERS
Year: 1969
Type: LAUNDRIES

Name: SOFT WATER LAUNDRY & DRY CLEAN- ERS
Year: 1969

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SOFT WATER LAUNDRY & DRY CLEANING CO (Continued)

1009141824

Type: DRY CLEANERS

H44
SE
< 1/8
0.071 mi.
376 ft.

ARATEX SERVICES (ARAMARK)
702 ANAHEIM
LONG BEACH, CA 90813

CA HIST CORTESE

S101296671
N/A

Site 4 of 7 in cluster H

Relative:
Lower

HIST CORTESE:
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 908130161

Actual:
10 ft.

H45
SE
< 1/8
0.071 mi.
376 ft.

ARATEX SERVICES (ARAMARK)
702 ANAHEIM ST W
LONG BEACH, CA 90813

CA LUST
CA LOS ANGELES CO. HMS

S102057754
N/A

Site 5 of 7 in cluster H

Relative:
Lower

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 908130161
Status: Remedial action (cleanup) Underway
Substance: Solvents
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater
Abatement Method Used at the Site: Pump and Treat Groundwater
Global ID: T0603701930
W Global ID: Not reported
Staff: SLC
Local Agency: 19060
Cross Street: OREGON
Enforcement Type: Not reported
Date Leak Discovered: Not reported
Date Leak First Reported: 1/19/1988
Date Leak Record Entered: 3/10/1988
Date Confirmation Began: Not reported
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 3/1/1998
Date the Case was Closed: Not reported
How Leak Discovered: Not reported
How Leak Stopped: Not reported
Cause of Leak: Not reported
Leak Source: Not reported
Operator: Not reported
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 16188.111182340026934201105597
Source of Cleanup Funding: Not reported
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: 3/18/1988

Actual:
10 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ARATEX SERVICES (ARAMARK) (Continued)

S102057754

Remediation Plan Submitted: Not reported
Remedial Action Underway: 3/1/1998
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Yes
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: ARATEX SERVICES, INC.
RP Address: 1834 WALDEN OFFICE SQ. SUITE 450, SCHAUMBURG, IL 60173
Program: SLIC
Lat/Long: 33.7825327 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: LOP/LOW - MINOR OR NO POTENTIAL WATER RESOURCE IMPACT
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: CONSULTANT:DEPAUL AND ASSOCIATES, INC.(312)397-9500,WILLIAM WITHROW
SOLVENT CASE PER DAB

LOS ANGELES CO. HMS:

Region: LA
Facility Id: 005146-005344
Facility Type: Not reported
Facility Status: Removed
Area: 29
Permit Number: Not reported
Permit Status: Not reported

**H46
SE
< 1/8
0.071 mi.
376 ft.**

**ARATEX SERVICES
702 ANAHEIM
LONG BEACH, CA 90813**

**CA SLIC S103546802
N/A**

Site 6 of 7 in cluster H

**Relative:
Lower**

SLIC REG 4:
Region: 4
Facility Status: Remediation
SLIC: 0678
Substance: VOCs
Staff: Jenny Au

**Actual:
10 ft.**

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

H47
SE
< 1/8
0.071 mi.
376 ft.

AMERICAN BUFFALO INC
0702 W ANAHEIM ST
LONG BEACH, CA

Site 7 of 7 in cluster H

CA UST

U003660149
N/A

Relative:
Lower

LONG BEACH UST:

DATA AS OF 02/25/2014:

Actual:
10 ft.

Region: LONG BEACH
Tanks: OT
Tank Test: Not reported
Leak Test: Not reported
Tank Status: Not reported

I48
South
< 1/8
0.074 mi.
392 ft.

AIR PROD AND CHEM INC
901 W 12TH ST
LONG BEACH, CA 90813

Site 1 of 4 in cluster I

CERC-NFRAP
RCRA-SQG
FINDS

1000985044
CAR000001537

Relative:
Lower

CERC-NFRAP:

Site ID: 0901020
Federal Facility: Not a Federal Facility
NPL Status: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

Actual:
10 ft.

CERCLIS-NFRAP Site Contact Details:

Contact Sequence ID: 13286563.00000
Person ID: 13003854.00000

Contact Sequence ID: 13292158.00000
Person ID: 13003858.00000

Contact Sequence ID: 13298016.00000
Person ID: 13004003.00000

CERCLIS-NFRAP Site Alias Name(s):

Alias Name: AIR PRODUCTS & CHEMICALS INC
Alias Address: Not reported
CA

CERCLIS-NFRAP Assessment History:

Action: DISCOVERY
Date Started: / /
Date Completed: 04/01/86
Priority Level: Not reported

Action: ARCHIVE SITE
Date Started: / /
Date Completed: 02/01/87
Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT
Date Started: 04/01/86
Date Completed: 02/01/87
Priority Level: NFRAP-Site does not qualify for the NPL based on existing information

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AIR PROD AND CHEM INC (Continued)

1000985044

RCRA-SQG:

Date form received by agency: 03/27/1995
Facility name: AIR PROD AND CHEM INC
Facility address: 901 W 12TH ST
LONG BEACH, CA 90813
EPA ID: CAR000001537
Mailing address: W 12TH ST
LONG BEACH, CA 90813
Contact: SHELLEY STUART
Contact address: 901 W 12TH ST
LONG BEACH, CA 90813
Contact country: US
Contact telephone: (310) 437-0462
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: AIR PROD AND CHEM INC
Owner/operator address: 7201 HAMILTON BLVD
LONG BEACH, CA 90813
Owner/operator country: Not reported
Owner/operator telephone: (610) 481-4911
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002905161

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AIR PROD AND CHEM INC (Continued)

1000985044

Environmental Interest/Information System

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

STATE MASTER

I49
South
< 1/8
0.075 mi.
398 ft.

LIZETTE CREATIONS
0950 W 12TH ST
LONG BEACH, CA
Site 2 of 4 in cluster I

CA UST **U003659963**
N/A

Relative:
Lower

LONG BEACH UST:

DATA AS OF 02/25/2014:

Actual:
11 ft.

Region: LONG BEACH
Tanks: 0T
Tank Test: Not reported
Leak Test: Not reported
Tank Status: Not reported

J50
NNE
< 1/8
0.082 mi.
432 ft.

SEUSS C E
818 W 16TH ST
LOS ANGELES, CA
Site 1 of 7 in cluster J

EDR US Hist Auto Stat **1009079684**
N/A

Relative:
Higher

EDR Historical Auto Stations:

Name: SEUSS C E
Year: 1924

Actual:
14 ft.

Type: AUTOMOBILE REPAIRING

J51
NNE
< 1/8
0.084 mi.
445 ft.

SCHAEFER PARSONS
812 W 16TH ST
LOS ANGELES, CA
Site 2 of 7 in cluster J

EDR US Hist Cleaners **1009188702**
N/A

Relative:
Higher

EDR Historical Cleaners:

Name: SCHAEFER PARSONS
Year: 1924

Actual:
14 ft.

Type: CLOTHES CLEANERS PRESSERS AND DYERS

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

52
NNE
< 1/8
0.085 mi.
447 ft.

GOODWILL INDUSTRIES
0800 W PACIFIC COAST HWY
LONG BEACH, CA

CA UST **U003661205**
N/A

Relative:
Lower

LONG BEACH UST:

DATA AS OF 02/25/2014:

Actual:
13 ft.

Region: LONG BEACH
Tanks: OT
Tank Test: Not reported
Leak Test: Not reported
Tank Status: Not reported

D53
NNE
< 1/8
0.091 mi.
479 ft.

RILEY MARINE PRODUCTS
0840 W ESTHER ST
LONG BEACH, CA

CA UST **U003660689**
N/A

Site 4 of 4 in cluster D

Relative:
Lower

LONG BEACH UST:

DATA AS OF 02/25/2014:

Actual:
13 ft.

Region: LONG BEACH
Tanks: OT
Tank Test: Not reported
Leak Test: Not reported
Tank Status: Not reported

I54
SSE
< 1/8
0.093 mi.
493 ft.

CALIF. GLASS DIST
790 W 012TH ST LONG BEACH
LONG BEACH, CA 90813

CA FID UST **S101618198**
CA SWEEPS UST **N/A**

Site 3 of 4 in cluster I

Relative:
Lower

CA FID UST:

Actual:
11 ft.

Facility ID: 19056689
Regulated By: UTNKA
Regulated ID: 00046937
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 2134370531
Mail To: Not reported
Mailing Address: 790 W 012TH ST LONG BEACH
Mailing Address 2: Not reported
Mailing City,St,Zip: LONG BEACH 90813
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

SWEEPS UST:

Status: Active
Comp Number: 46937
Number: 9

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CALIF. GLASS DIST (Continued)

S101618198

Board Of Equalization: 44-013559
Referral Date: 07-01-85
Action Date: Not reported
Created Date: 02-29-88
Owner Tank Id: 1
SWRCB Tank Id: 19-060-046937-000001
Tank Status: A
Capacity: 9940
Active Date: 07-01-85
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: 1

G55
NE
< 1/8
0.095 mi.
504 ft.

MESA ENVIRONMENTAL SVCS INC
721 W 15TH ST
LONG BEACH, CA 90813

RCRA NonGen / NLR **1000904945**
FINDS **CA0000206599**

Site 6 of 6 in cluster G

Relative:
Higher

RCRA NonGen / NLR:

Date form received by agency: 05/02/2000

Facility name: MESA ENVIRONMENTAL SVCS INC

Facility address: 721 W 15TH ST
LONG BEACH, CA 90813

EPA ID: CA0000206599

Contact: ANGELA BUTLER

Contact address: P O BOX 9128
LONG BEACH, CA 908100128

Contact country: US

Contact telephone: (562) 901-3470

Contact email: Not reported

EPA Region: 09

Classification: Non-Generator

Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: JOE M ORTEGA

Owner/operator address: P O BOX 9128
LONG BEACH, CA 90810

Owner/operator country: Not reported

Owner/operator telephone: (310) 901-3470

Legal status: Private

Owner/Operator Type: Owner

Owner/Op start date: Not reported

Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No

Mixed waste (haz. and radioactive): No

Recycler of hazardous waste: No

Transporter of hazardous waste: No

Treater, storer or disposer of HW: No

Underground injection activity: No

On-site burner exemption: No

Furnace exemption: No

Used oil fuel burner: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MESA ENVIRONMENTAL SVCS INC (Continued)

1000904945

Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002615563

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

I56
SSE
< 1/8
0.095 mi.
504 ft.

**FILE ONLY - CAL PACIFIC
0790 W 12TH ST
LONG BEACH, CA**

**CA UST U003659962
N/A**

Site 4 of 4 in cluster I

**Relative:
Lower**

LONG BEACH UST:

DATA AS OF 02/25/2014:

**Actual:
11 ft.**

Region: LONG BEACH
Tanks: 0T
Tank Test: Not reported
Leak Test: Not reported
Tank Status: Not reported

57
SSE
< 1/8
0.096 mi.
507 ft.

**CALIF. GLASS DIST.
790 W. 12TH ST. LONG BEACH
LONG BEACH, CA 90813**

**CA HIST UST U001566293
N/A**

**Relative:
Lower**

HIST UST:

**Actual:
12 ft.**

Region: STATE
Facility ID: 00000046937
Facility Type: Other
Other Type: GLASS DISTRIBUTOR
Contact Name: J. STEIN
Telephone: 2134370531
Owner Name: CAL-PACIFIC WINDSHIELD DBA CAL
Owner Address: 790 W. 12TH ST. LONG BEACH
Owner City,St,Zip: LONG BEACH, CA 90813
Total Tanks: 0001

Tank Num: 001
Container Num: 1

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CALIF. GLASS DIST. (Continued)

U001566293

Year Installed: Not reported
Tank Capacity: 00009940
Tank Used for: PRODUCT
Type of Fuel: PREMIUM
Container Construction Thickness: Not reported
Leak Detection: Visual, Stock Inventor

K58
NNE
< 1/8
0.102 mi.
537 ft.

WESTERN ELECTROPLATING COMPANY
820 WEST ESTHER STREET
LONG BEACH, CA 90813

CA ENVIROSTOR **S101480784**
N/A

Site 1 of 5 in cluster K

Relative:
Lower

ENVIROSTOR:

Actual:
12 ft.

Facility ID: 19340289
Status: Refer: Other Agency
Status Date: 09/01/1985
Site Code: Not reported
Site Type: Historical
Site Type Detailed: * Historical
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: * Mmonroy
Division Branch: Cleanup Cypress
Assembly: 70
Senate: 33
Special Program: * Site Char & Assess Grant (CERCLA 104)
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 33.78858
Longitude: -118.2025
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: * HYDROCARBON SOLVENTS * UNSPECIFIED ACID SOLUTION * UNSPECIFIED
ALKALINE SOLUTIONS * UNSPECIFIED SLUDGE WASTE
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: ELECTRIC MOTOR REPAIR
Alias Type: Alternate Name
Alias Name: 19340289
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 01/18/1995
Comments: DATABASE VALIDATION PROGRAM CONFIRMS NFA FOR DTSC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 01/05/1982
Comments: FACILITY IDENTIFIED LA CHAM OF COMM BUS DIR 1958 INSPECTION(FED)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WESTERN ELECTROPLATING COMPANY (Continued)

S101480784

REPLATING AUTO PARTS

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

K59
NNE
< 1/8
0.102 mi.
537 ft.

0820 W ESTHER ST
LONG BEACH, CA

CA UST **U003919981**
N/A

Site 2 of 5 in cluster K

Relative:
Lower

LONG BEACH UST:

DATA AS OF 02/25/2014:

Actual:
12 ft.

Region: LONG BEACH
Tanks: 0F
Tank Test: Not reported
Leak Test: Not reported
Tank Status: Not reported

K60
NNE
< 1/8
0.102 mi.
537 ft.

WESTERN ELECTROPLATING CO
820 W ESTHER ST
LONG BEACH, CA 90813

CERC-NFRAP **1015732663**
RCRA NonGen / NLR **CAD008501215**

Site 3 of 5 in cluster K

Relative:
Lower

CERC-NFRAP:

Site ID: 0901116
Federal Facility: Not a Federal Facility
NPL Status: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

Actual:
12 ft.

CERCLIS-NFRAP Site Contact Details:

Contact Sequence ID: 13288235.00000
Person ID: 13003854.00000

Contact Sequence ID: 13293830.00000
Person ID: 13003858.00000

Contact Sequence ID: 13299688.00000
Person ID: 13004003.00000

CERCLIS-NFRAP Site Alias Name(s):

Alias Name: WESTERN ELECTROPLATING CO (OWNER & OPER)
Alias Address: 1000 S PETROLIA AVE
COMPTON, CA 90221

CERCLIS-NFRAP Assessment History:

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WESTERN ELECTROPLATING CO (Continued)

1015732663

Action: PRELIMINARY ASSESSMENT
Date Started: 09/01/85
Date Completed: 02/01/86
Priority Level: NFRAP-Site does not qualify for the NPL based on existing information

Action: ARCHIVE SITE
Date Started: / /
Date Completed: 02/01/86
Priority Level: Not reported

Action: DISCOVERY
Date Started: / /
Date Completed: 11/01/85
Priority Level: Not reported

RCRA NonGen / NLR:

Date form received by agency: 08/18/1980
Facility name: WESTERN ELECTROPLATING, INC.
Facility address: 840 W ESTHER ST
LONG BEACH, CA 90813
EPA ID: CAD008501215
Mailing address: W ESTHER ST
LONG BEACH, CA 90813
Contact: ENVIRONMENTAL MANAGER
Contact address: 840 W ESTHER ST
LONG BEACH, CA 90813
Contact country: US
Contact telephone: (213) 436-9975
Contact email: Not reported
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: WESTERN ELECTROPLATING, INC.
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WESTERN ELECTROPLATING CO (Continued)

1015732663

Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

K61
NNE
< 1/8
0.107 mi.
566 ft.

WESTERN ELECTROPLATING, INC.
840 W ESTHER ST
LONG BEACH, CA 90813
Site 4 of 5 in cluster K

FINDS **1000402996**
CA HIST UST **N/A**
CA HAZNET

Relative:
Lower

FINDS:

Actual:
12 ft.

Registry ID: 110002634560

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HIST UST:

Region: STATE
Facility ID: 00000007824
Facility Type: Other
Other Type: ELECTRO PLATING
Contact Name: Not reported
Telephone: 2134369975
Owner Name: WESTERN ELECTRO PLATING CO
Owner Address: 820 W. ESTHER ST
Owner City,St,Zip: LONG BEACH, CA 90813
Total Tanks: 0001

Tank Num: 001
Container Num: 1
Year Installed: 1976
Tank Capacity: 00000750
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: None

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WESTERN ELECTROPLATING, INC. (Continued)

1000402996

HAZNET:
envid: 1000402996
Year: 1993
GEPAID: CAD008501215
Contact: WESTERN ELECTROPLATING, INC.
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: 840 W ESTHER ST
Mailing City,St,Zip: LONG BEACH, CA 908130000
Gen County: Not reported
TSD EPA ID: CAT080033681
TSD County: Not reported
Waste Category: Other organic solids
Disposal Method: Not reported
Tons: 1.60000000000
Facility County: Los Angeles

F62
ESE
< 1/8
0.110 mi.
581 ft.

740 W 14TH ST
LONG BEACH, CA 90813

Site 5 of 5 in cluster F

EDR US Hist Auto Stat 1015622006
N/A

Relative:
Lower

EDR Historical Auto Stations:

Name: TOMMYS AUTO SERVICE
Year: 1999
Address: 740 W 14TH ST

Actual:
10 ft.

Name: TOMMYS AUTO SERVICE
Year: 2001
Address: 740 W 14TH ST

Name: TOMMYS AUTO SERVICE
Year: 2002
Address: 740 W 14TH ST

Name: TOMMYS AUTO SERVICE
Year: 2003
Address: 740 W 14TH ST

Name: TOMMYS AUTO SERVICE
Year: 2004
Address: 740 W 14TH ST

Name: TOMMYS AUTO SERVICE
Year: 2005
Address: 740 W 14TH ST

Name: TOMMYS AUTO SERVICE
Year: 2006
Address: 740 W 14TH ST

Name: TOMMYS AUTO SERVICE
Year: 2007
Address: 740 W 14TH ST

Name: TOMMYS AUTO SERVICE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

1015622006

Year: 2008
Address: 740 W 14TH ST

Name: TOMMYS AUTO SERVICE
Year: 2009
Address: 740 W 14TH ST

Name: TOMMYS AUTO SVC
Year: 2010
Address: 740 W 14TH ST

L63
NNE
< 1/8
0.110 mi.
582 ft.

0741 W 17TH ST
LONG BEACH, CA

Site 1 of 6 in cluster L

Relative:
Higher

LONG BEACH UST:

DATA AS OF 02/25/2014:

Actual:
16 ft.

Region: LONG BEACH
Tanks: 0F
Tank Test: Not reported
Leak Test: Not reported
Tank Status: Not reported

CA UST

U003919709
N/A

L64
NNE
< 1/8
0.110 mi.
582 ft.

THOMPSON FAMILY TRUST
741 WEST 17 TH STREET
LONG BEACH, CA

Site 2 of 6 in cluster L

Relative:
Higher

SLIC:

Actual:
16 ft.

Region: STATE
Facility Status: **Open - Site Assessment**
Status Date: 10/20/2014
Global Id: SL0603753707
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number: Not reported
Latitude: 33.7881991018741
Longitude: -118.201785630619
Case Type: Cleanup Program Site
Case Worker: JB
Local Agency: Not reported
RB Case Number: 1157
File Location: Regional Board
Potential Media Affected: Indoor Air, Other Groundwater (uses other than drinking water), Soil, Soil Vapor, Under Investigation
Potential Contaminants of Concern: * Chlorinated Solvents - PCE, * Chlorinated Solvents - TCE, * Metals/Heavy Metals - Chromium 6
Site History: The site, located on the north side of West 17th Street between Oregon Ave and San Francisco Ave in the City of Long Beach, is currently a warehouse facility. Previous uses at the site have impacted groundwater at the site with metals and volatile organic compounds.

CA SLIC

S106568475
N/A

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THOMPSON FAMILY TRUST (Continued)

S106568475

[Click here to access the California GeoTracker records for this facility:](#)

L65
NNE
< 1/8
0.110 mi.
582 ft.

THOMPSON FAMILY TRUST PROP
741 W 17TH ST
LONG BEACH, CA 90813

RCRA-SQG **1007879224**
CA HAZNET **CAR000158105**

Site 3 of 6 in cluster L

Relative:
Higher

RCRA-SQG:

Actual:
16 ft.

Date form received by agency: 10/26/2004
Facility name: THOMPSON FAMILY TRUST PROP
Facility address: 741 W 17TH ST
LONG BEACH, CA 908131414
EPA ID: CAR000158105
Mailing address: 21106 PRESIDENT POINT RD
KINGSTON, WA 98346
Contact: LEE THOMPSON
Contact address: 21106 PRESIDENT POINT RD
KINGSTON, WA 98346
Contact country: US
Contact telephone: 360-297-7893
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: J AND D EXPRESS
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 06/01/1992
Owner/Op end date: Not reported

Owner/operator name: THOMPSON TRUST
Owner/operator address: 21106 PRESIDENT POINT RD
KINGSTON, WA 98346
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 09/15/1999
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THOMPSON FAMILY TRUST PROP (Continued)

1007879224

Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D039
. Waste name: TETRACHLOROETHYLENE

. Waste code: D040
. Waste name: TRICHTHORETHYLENE

Historical Generators:

Date form received by agency: 10/26/2004
Site name: THOMPSON FAMILY TRUST PROP
Classification: Small Quantity Generator

Violation Status: No violations found

HAZNET:

envid: 1007879224
Year: 2005
GEPAID: CAR000158105
Contact: LEE THOMPSON
Telephone: 3602977893
Mailing Name: Not reported
Mailing Address: 21106 PRESIDENT POINT RD
Mailing City,St,Zip: KINGSTON, CA 983460000
Gen County: Not reported
TSD EPA ID: NVT330010000
TSD County: Not reported
Waste Category: Metal sludge (Alkaline solution (pH >= 12.5) with metals)
Disposal Method: Disposal, Land Fill
Tons: 8.42
Facility County: Los Angeles

envid: 1007879224
Year: 2004
GEPAID: CAR000158105
Contact: LEE THOMPSON
Telephone: 3602977893
Mailing Name: Not reported
Mailing Address: 21106 PRESIDENT POINT RD
Mailing City,St,Zip: KINGSTON, CA 983460000
Gen County: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THOMPSON FAMILY TRUST PROP (Continued)

1007879224

TSD EPA ID: CAD028409019
TSD County: Not reported
Waste Category: Unspecified oil-containing waste
Disposal Method: Transfer Station
Tons: 0.62
Facility County: Los Angeles

**M66
ESE
< 1/8
0.113 mi.
598 ft.**

**METROPOLITAN CHEMICAL CO
0733 W 14TH ST
LONG BEACH, CA**

**CA UST U003854649
N/A**

Site 1 of 6 in cluster M

**Relative:
Lower**

LONG BEACH UST:

DATA AS OF 02/25/2014:

**Actual:
11 ft.**

Region: LONG BEACH
Tanks: 1F
Tank Test: Not reported
Leak Test: Not reported
Tank Status: Not reported

**N67
SE
< 1/8
0.113 mi.
599 ft.**

**ELLIS PAINT CO
1200 OREGON AVE
LONG BEACH, CA 90813**

**RCRA-SQG 1000455513
FINDS CAD982495038
CA HAZNET**

Site 1 of 6 in cluster N

**Relative:
Lower**

RCRA-SQG:

Date form received by agency: 07/16/1990

Facility name: ELLIS PAINT CO

Facility address: 1200 OREGON AVE
LONG BEACH, CA 90813

EPA ID: CAD982495038

Mailing address: OREGON AVE
LONG BEACH, CA 90813

Contact: ENVIRONMENTAL MANAGER

Contact address: 1200 OREGON AVE
LONG BEACH, CA 90813

Contact country: US

Contact telephone: (213) 486-8225

Contact email: Not reported

EPA Region: 09

Classification: Small Small Quantity Generator

Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: ROBERT O BERG

Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999

Owner/operator country: Not reported

Owner/operator telephone: (415) 555-1212

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ELLIS PAINT CO (Continued)

1000455513

Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002831071

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZNET:

envid: 1000455513
Year: 2002
GEPAID: CAD982495038
Contact: CHUCK TROMBOLD/DIRECTOR EH&S
Telephone: 3232618114
Mailing Name: Not reported
Mailing Address: 3150 E PICO BLVD
Mailing City,St,Zip: LOS ANGELES, CA 900230000
Gen County: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ELLIS PAINT CO (Continued)

1000455513

TSD EPA ID: CAD008252405
TSD County: Not reported
Waste Category: Aqueous solution with total organic residues 10 percent or more
Disposal Method: Recycler
Tons: 0.05
Facility County: Los Angeles

envid: 1000455513
Year: 2002
GEPaid: CAD982495038
Contact: CHUCK TROMBOLD/DIRECTOR EH&S
Telephone: 3232618114
Mailing Name: Not reported
Mailing Address: 3150 E PICO BLVD
Mailing City,St,Zip: LOS ANGELES, CA 900230000
Gen County: Not reported
TSD EPA ID: CAD008252405
TSD County: Not reported
Waste Category: Unspecified solvent mixture
Disposal Method: Recycler
Tons: 0.77
Facility County: Los Angeles

envid: 1000455513
Year: 2002
GEPaid: CAD982495038
Contact: CHUCK TROMBOLD/DIRECTOR EH&S
Telephone: 3232618114
Mailing Name: Not reported
Mailing Address: 3150 E PICO BLVD
Mailing City,St,Zip: LOS ANGELES, CA 900230000
Gen County: Not reported
TSD EPA ID: CAD008252405
TSD County: Not reported
Waste Category: Other organic solids
Disposal Method: Transfer Station
Tons: 0.06
Facility County: Los Angeles

envid: 1000455513
Year: 2001
GEPaid: CAD982495038
Contact: CHUCK TROMBOLD/DIRECTOR EH&S
Telephone: 3232618114
Mailing Name: Not reported
Mailing Address: 3150 E PICO BLVD
Mailing City,St,Zip: LOS ANGELES, CA 900230000
Gen County: Not reported
TSD EPA ID: CAD008252405
TSD County: Not reported
Waste Category: Other organic solids
Disposal Method: Transfer Station
Tons: 0.27
Facility County: Los Angeles

envid: 1000455513
Year: 2001

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ELLIS PAINT CO (Continued)

1000455513

GEPAID: CAD982495038
Contact: CHUCK TROMBOLD/DIRECTOR EH&S
Telephone: 3232618114
Mailing Name: Not reported
Mailing Address: 3150 E PICO BLVD
Mailing City,St,Zip: LOS ANGELES, CA 900230000
Gen County: Not reported
TSD EPA ID: CAD008252405
TSD County: Not reported
Waste Category: Unspecified solvent mixture
Disposal Method: Not reported
Tons: 0
Facility County: Los Angeles

[Click this hyperlink](#) while viewing on your computer to access
18 additional CA_HAZNET: record(s) in the EDR Site Report.

**M68
ESE
< 1/8
0.120 mi.
631 ft.**

**ENVIRONMENTAL SERVS DIV
716 W 14TH ST
LONG BEACH, CA 90813
Site 2 of 6 in cluster M**

**RCRA NonGen / NLR 1000261664
FINDS CAD069926251**

**Relative:
Lower**

RCRA NonGen / NLR:

**Actual:
11 ft.**

Date form received by agency: 03/08/1983
Facility name: ENVIRONMENTAL SERVS DIV
Facility address: 716 W 14TH ST
LONG BEACH, CA 90813
EPA ID: CAD069926251
Contact: ENVIRONMENTAL MANAGER
Contact address: 716 W FOURTEEN ST
LONG BEACH, CA 90813
Contact country: US
Contact telephone: (213) 435-4868
Contact email: Not reported
EPA Region: 09
Land type: Other land type
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ENVIRONMENTAL SERVS DIV (Continued)

1000261664

Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: Yes
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Facility Has Received Notices of Violations:

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 05/25/2005
Date achieved compliance: 08/23/2005
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/25/2005
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 05/25/2005
Date achieved compliance: 05/30/2005
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/25/2005
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 262.10-12.A
Area of violation: Generators - General
Date violation determined: 03/15/1985
Date achieved compliance: 06/18/1985
Violation lead agency: State
Enforcement action: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ENVIRONMENTAL SERVS DIV (Continued)

1000261664

Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 05/25/2005
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 08/23/2005
Evaluation lead agency: State

Evaluation date: 05/25/2005
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 05/30/2005
Evaluation lead agency: State

Evaluation date: 08/07/1985
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/07/1985
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/15/1985
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/15/1985
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Generators - General
Date achieved compliance: 06/18/1985
Evaluation lead agency: State

FINDS:

Registry ID: 110002655920

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

J69
NE
< 1/8
0.122 mi.
642 ft.

PACIFIC X-RAY CO
0711 W 16TH ST
LONG BEACH, CA
Site 3 of 7 in cluster J

CA UST

U003659998
N/A

Relative:
Higher

LONG BEACH UST:

DATA AS OF 02/25/2014:

Actual:
15 ft.

Region: LONG BEACH
Tanks: OT
Tank Test: Not reported
Leak Test: Not reported
Tank Status: Not reported

J70
NE
< 1/8
0.124 mi.
654 ft.

WARD BARKER INC
707 W 16TH ST
LONG BEACH, CA 90813
Site 4 of 7 in cluster J

RCRA-SQG
PADS

1000182681
CAD981571177

Relative:
Higher

RCRA-SQG:

Date form received by agency: 09/25/1986

Facility name: WARD BARKER

Facility address: 707 W 16TH ST
LONG BEACH, CA 90813

EPA ID: CAD981571177

Mailing address: W SIXTEEN ST
LONG BEACH, CA 90813

Contact: ENVIRONMENTAL MANAGER

Contact address: 707 W SIXTEEN ST
LONG BEACH, CA 90813

Contact country: US

Contact telephone: (213) 432-7266

Contact email: Not reported

EPA Region: 09

Classification: Small Small Quantity Generator

Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: WARD CHARLES

Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999

Owner/operator country: Not reported

Owner/operator telephone: (415) 555-1212

Legal status: Private

Owner/Operator Type: Owner

Owner/Op start date: Not reported

Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED

Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999

Owner/operator country: Not reported

Owner/operator telephone: (415) 555-1212

Legal status: Private

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WARD BARKER INC (Continued)

1000182681

Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: Yes
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

PADS:

EPAID: CAD981571177
Facility name: WARD BARKER INC
Facility Address: 707 W 16TH ST
LONG BEACH, CA 90813
Facility country: US
Generator: No
Storer: No
Transporter: Yes
Disposer: No
Research facility: No
Smelter: No
Facility owner name: CHARLES M WARD JR
Contact title: Not reported
Contact name: DEKAY BERNIE A
Contact tel: (213)432-7266
Contact extension: Not reported
Mailing address: 707 W 16TH ST
LONG BEACH, CA 90813
Mailing country: US
Cert. title: Not reported
Cert. name: Not reported
Cert. date: 04/27/1990
Date received: 08/26/1990

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

J71
NE
< 1/8
0.124 mi.
654 ft.

CHUCKS ELECTRONIC
707 W 16TH ST
LONG BEACH, CA 90805

Site 5 of 7 in cluster J

CA FID UST
CA SWEEPS UST

S101584840
N/A

Relative:
Higher

CA FID UST:

Facility ID: 19016192
Regulated By: UTKNI
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 2134327266
Mail To: Not reported
Mailing Address: 707 W 16TH ST
Mailing Address 2: Not reported
Mailing City,St,Zip: LONG BEACH 90805
Contact: Not reported
Contact Phone: Not reported
DUNS Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Inactive

Actual:
15 ft.

SWEEPS UST:

Status: Not reported
Comp Number: 1004
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-060-001004-000001
Tank Status: Not reported
Capacity: 1000
Active Date: Not reported
Tank Use: EMPTY
STG: PRODUCT
Content: Not reported
Number Of Tanks: 1

J72
NE
< 1/8
0.124 mi.
654 ft.

R G STEPHENS ENGINEERING & EQUIP
0707 W 16TH ST
LONG BEACH, CA

Site 6 of 7 in cluster J

CA UST
U003659997
N/A

Relative:
Higher

LONG BEACH UST:

DATA AS OF 02/25/2014:

Region: LONG BEACH
Tanks: 0T
Tank Test: Not reported
Leak Test: Not reported
Tank Status: Not reported

Actual:
15 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

J73
NE
< 1/8
0.124 mi.
654 ft.

WARD-DEKAY TRANSPORTATION SVCS
707 W 16TH ST
LONG BEACH, CA 90813

RCRA NonGen / NLR

1000184274
CAD982491698

Site 7 of 7 in cluster J

Relative:
Higher

RCRA NonGen / NLR:

Actual:
15 ft.

Date form received by agency: 06/13/1990
Facility name: WARD-DEKAY TRANSPORTATION SVCS
Facility address: 707 W 16TH ST
LONG BEACH, CA 90813
EPA ID: CAD982491698
Contact: ENVIRONMENTAL MANAGER
Contact address: 707 W SIXTEEN ST
LONG BEACH, CA 90813
Contact country: US
Contact telephone: (213) 432-7266
Contact email: Not reported
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: CHARLES M WARD JR
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: Yes
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WARD-DEKAY TRANSPORTATION SVCS (Continued)

1000184274

Used oil transporter: No

Violation Status: No violations found

**O74
ENE
< 1/8
0.125 mi.
660 ft.**

**HENDERSON & COMPANY
0703 W COWLES ST
LONG BEACH, CA**

Site 1 of 7 in cluster O

**CA UST U003660594
N/A**

**Relative:
Higher**

LONG BEACH UST:

DATA AS OF 02/25/2014:

**Actual:
15 ft.**

Region: LONG BEACH
Tanks: 1T
Tank Test: Not reported
Leak Test: Not reported
Tank Status: Not reported

**O75
ENE
1/8-1/4
0.129 mi.
681 ft.**

**1451 OREGON AVE
LONG BEACH, CA**

Site 2 of 7 in cluster O

**CA UST U003920173
N/A**

**Relative:
Higher**

LONG BEACH UST:

DATA AS OF 02/25/2014:

**Actual:
15 ft.**

Region: LONG BEACH
Tanks: 0F
Tank Test: Not reported
Leak Test: Not reported
Tank Status: Not reported

**N76
SE
1/8-1/4
0.130 mi.
685 ft.**

**ELLIS FAMILY TRUST
718 ANAHEIM
LONG BEACH, CA 90813**

Site 2 of 6 in cluster N

**CA SLIC S103546800
N/A**

**Relative:
Lower**

SLIC REG 4:

Region: 4
Facility Status: Inactive
SLIC: 0551
Substance: VOCs
Staff: ACJ

**Actual:
13 ft.**

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

N77
SE
1/8-1/4
0.130 mi.
685 ft.
DOUGLAS ROBINSON PROPERTY
718 ANAHEIM
LONG BEACH, CA 90806
Site 3 of 6 in cluster N

CA HIST CORTESE
S102590610
N/A

Relative:
Lower
Actual:
13 ft.
HIST CORTESE:
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 908130252

N78
SE
1/8-1/4
0.130 mi.
685 ft.
WEST COAST CHOPPERS
718 ANAHEIM ST W
LONG BEACH, CA 90813
Site 4 of 6 in cluster N

CA LUST
CA ENF
S104891049
N/A

Relative:
Lower
Actual:
13 ft.
LUST:
Region: STATE
Global Id: T0603701939
Latitude: 33.7826437
Longitude: -118.2009062
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 07/30/2012
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Worker: JH
Local Agency: LONG BEACH, CITY OF
RB Case Number: 908130252
LOC Case Number: Not reported
File Location: Regional Board
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Stoddard solvent / Mineral Sprits / Distillates
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id: T0603701939
Contact Type: Local Agency Caseworker
Contact Name: CARMEN PIRO
Organization Name: LONG BEACH, CITY OF
Address: 2525 GRAND AVE.
City: LONG BEACH
Email: carmen.piro@longbeach.gov
Phone Number: 5625704137

Global Id: T0603701939
Contact Type: Regional Board Caseworker
Contact Name: JAY HUANG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 WEST 4TH STREET, SUITE 200
City: LOS ANGELES
Email: jhuang@waterboards.ca.gov
Phone Number: 2135766711

Status History:

Global Id: T0603701939
Status: Open - Site Assessment

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WEST COAST CHOPPERS (Continued)

S104891049

Status Date:	07/18/2011
Global Id:	T0603701939
Status:	Completed - Case Closed
Status Date:	07/30/2012
Global Id:	T0603701939
Status:	Open - Case Begin Date
Status Date:	03/28/1995
Global Id:	T0603701939
Status:	Open - Remediation
Status Date:	12/21/2011
Global Id:	T0603701939
Status:	Open - Site Assessment
Status Date:	02/01/2001
Regulatory Activities:	
Global Id:	T0603701939
Action Type:	Other
Date:	03/28/1995
Action:	Leak Discovery
Global Id:	T0603701939
Action Type:	ENFORCEMENT
Date:	07/18/2011
Action:	Staff Letter
Global Id:	T0603701939
Action Type:	RESPONSE
Date:	09/15/2011
Action:	Soil and Water Investigation Workplan
Global Id:	T0603701939
Action Type:	REMEDIATION
Date:	12/21/2011
Action:	Excavation
Global Id:	T0603701939
Action Type:	ENFORCEMENT
Date:	12/21/2011
Action:	Staff Letter
Global Id:	T0603701939
Action Type:	RESPONSE
Date:	01/15/2012
Action:	Soil and Water Investigation Report
Global Id:	T0603701939
Action Type:	ENFORCEMENT
Date:	11/23/2011
Action:	Staff Letter
Global Id:	T0603701939
Action Type:	ENFORCEMENT
Date:	07/30/2012

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WEST COAST CHOPPERS (Continued)

S104891049

Action: Closure/No Further Action Letter

Global Id: T0603701939

Action Type: Other

Date: 05/15/1995

Action: Leak Reported

Global Id: T0603701939

Action Type: ENFORCEMENT

Date: 02/02/2001

Action: 13267 Requirement

Global Id: T0603701939

Action Type: ENFORCEMENT

Date: 07/30/2012

Action: Closure/No Further Action Letter

Global Id: T0603701939

Action Type: ENFORCEMENT

Date: 09/16/2008

Action: Notice to Comply

Global Id: T0603701939

Action Type: RESPONSE

Date: 01/15/2012

Action: Monitoring Report - Semi-Annually

Global Id: T0603701939

Action Type: ENFORCEMENT

Date: 03/10/2009

Action: Staff Letter

Global Id: T0603701939

Action Type: ENFORCEMENT

Date: 06/15/2009

Action: Staff Letter

Global Id: T0603701939

Action Type: ENFORCEMENT

Date: 06/24/2002

Action: Staff Letter

Global Id: T0603701939

Action Type: RESPONSE

Date: 04/15/2009

Action: Other Report / Document

LUST REG 4:

Region: 4

Regional Board: 04

County: Los Angeles

Facility Id: 908130252

Status: Preliminary site assessment workplan submitted

Substance: Naphtha Distillate

Substance Quantity: Not reported

Local Case No: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WEST COAST CHOPPERS (Continued)

S104891049

Case Type: Groundwater
Abatement Method Used at the Site: Not reported
Global ID: T0603701939
W Global ID: Not reported
Staff: HDN
Local Agency: 19060
Cross Street: OREGON
Enforcement Type: LET
Date Leak Discovered: 3/28/1995
Date Leak First Reported: 5/15/1995
Date Leak Record Entered: 8/28/1995
Date Confirmation Began: Not reported
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 5/15/1995
Date the Case was Closed: Not reported
How Leak Discovered: Subsurface Monitoring
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Operator: FORMER ELLIS PAINT CO
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 16165.193392999348015746985355
Source of Cleanup Funding: UNK
Preliminary Site Assessment Workplan Submitted: 2/1/2001
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: Not reported
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: 2/2/2001
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: GORDON
RP Address: 1404 N. DAISY AVE.
Program: LUST
Lat/Long: 33.7826437 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: 3/6/97 - ADDITIONAL INFORMATION LETTER SENT; 5/13/97- 1ST LEVEL
ENFORCEMENT LETTER SENT; 8/8/97 - 2ND LEVEL ENFORCEMENT LETTER SENT

ENF:

Region: 4
Facility Id: 220621
Agency Name: Robinson, Douglas
Place Type: Facility

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WEST COAST CHOPPERS (Continued)

S104891049

Place Subtype:	Not reported
Facility Type:	Not reported
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	33.782606
Place Longitude:	-118.183572
SIC Code 1:	Not reported
SIC Desc 1:	Not reported
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	UST
Program Category1:	TANKS
Program Category2:	TANKS
# Of Programs:	1
WDID:	908130252
Reg Measure Id:	168132
Reg Measure Type:	Unregulated
Region:	4
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Never Active
Status Date:	02/20/2013
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WEST COAST CHOPPERS (Continued)

S104891049

Fee Code: Not reported
Direction/Voice: Passive
Enforcement Id(EID): 230516
Region: 4
Order / Resolution Number: NOV
Enforcement Action Type: Notice of Violation
Effective Date: 08/25/2000
Adoption/Issuance Date: Not reported
Achieve Date: Not reported
Termination Date: 08/25/2000
ACL Issuance Date: Not reported
EPL Issuance Date: Not reported
Status: Historical
Title: Enforcement - 908130252
Description: Notice of violation sent 8/25/00 for FTS soil investigation report.

Program: UST
Latest Milestone Completion Date: Not reported
Of Programs1: 1
Total Assessment Amount: 0.00
Initial Assessed Amount: 0.00
Liability \$ Amount: 0.00
Project \$ Amount: 0.00
Liability \$ Paid: 0.00
Project \$ Completed: 0.00
Total \$ Paid/Completed Amount: 0.00

P79
NE
1/8-1/4
0.130 mi.
685 ft.

LOEM'S SPORTS WEAR
1501 OREGON AVE
LONG BEACH, CA

CA UST **U003661150**
N/A

Site 1 of 5 in cluster P

Relative:
Lower

LONG BEACH UST:

DATA AS OF 02/25/2014:

Actual:
13 ft.

Region: LONG BEACH
Tanks: OT
Tank Test: Not reported
Leak Test: Not reported
Tank Status: Not reported

L80
NNE
1/8-1/4
0.130 mi.
687 ft.

CITY TOW SERVICE
704 W 17TH ST
LONG BEACH, CA 90813

RCRA NonGen / NLR **1000440841**
FINDS **CAD982047722**
CA HAZNET

Site 4 of 6 in cluster L

Relative:
Higher

RCRA NonGen / NLR:

Date form received by agency: 06/28/1999

Facility name: CITY TOW SERVICE

Facility address: 704 W 17TH ST
LONG BEACH, CA 90813

EPA ID: CAD982047722

Contact: BEN SHAFIEE

Contact address: 704 W 17TH ST
LONG BEACH, CA 90813

Actual:
16 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CITY TOW SERVICE (Continued)

1000440841

Contact country: US
Contact telephone: (562) 432-0941
Contact email: Not reported
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: EDELROMAX
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002787271

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CITY TOW SERVICE (Continued)

1000440841

corrective action activities required under RCRA.

HAZNET:

envid: 1000440841
Year: 1998
GEPAID: CAD982047722
Contact: EDELROMAX CORP
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: 704 W 17TH ST
Mailing City,St,Zip: LONG BEACH, CA 908131415
Gen County: Not reported
TSD EPA ID: CAT000613893
TSD County: Not reported
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Transfer Station
Tons: .1250
Facility County: Los Angeles

envid: 1000440841
Year: 1998
GEPAID: CAD982047722
Contact: EDELROMAX CORP
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: 704 W 17TH ST
Mailing City,St,Zip: LONG BEACH, CA 908131415
Gen County: Not reported
TSD EPA ID: CAD093459485
TSD County: Not reported
Waste Category: Organic liquids with metals (Alkaline solution (pH >= 12.5) with metals)
Disposal Method: Transfer Station
Tons: .0417
Facility County: Los Angeles

M81
ESE
1/8-1/4
0.130 mi.
687 ft.

NOVA TECHNO CORPORATION
1368 OREGON AVE
LONG BEACH, CA 90813

CA SWEEPS UST **1007248783**
N/A

Site 3 of 6 in cluster M

Relative:
Lower

SWEEPS UST:

Status: Active
Comp Number: 6617
Number: 9
Board Of Equalization: 44-013367
Referral Date: 07-01-85
Action Date: Not reported
Created Date: 02-29-88
Owner Tank Id: 1
SWRCB Tank Id: 19-060-006617-000001
Tank Status: A
Capacity: 2000
Active Date: 07-01-85
Tank Use: UNKNOWN

Actual:
11 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NOVA TECHNO CORPORATION (Continued)

1007248783

STG: P
Content: Not reported
Number Of Tanks: 2

Status: Active
Comp Number: 6617
Number: 9
Board Of Equalization: 44-013367
Referral Date: 07-01-85
Action Date: Not reported
Created Date: 02-29-88
Owner Tank Id: 2
SWRCB Tank Id: 19-060-006617-000002
Tank Status: A
Capacity: 800
Active Date: 07-01-85
Tank Use: UNKNOWN
STG: P
Content: Not reported
Number Of Tanks: Not reported

**M82
ESE
1/8-1/4
0.130 mi.
687 ft.**

**NOVA TECHNO CORPORATION
1368 OREGON AVENUE
LONG BEACH, CA 90058**

RCRA-LQG

**1007198916
CAD066662503**

Site 4 of 6 in cluster M

**Relative:
Lower**

RCRA-LQG:

**Actual:
11 ft.**

Date form received by agency: 03/04/1999
Facility name: NOVA TECHNO CORPORATION
Facility address: 1368 OREGON AVENUE
LONG BEACH, CA 90058

EPA ID: CAD066662503
Contact: AMY PONZIO
Contact address: Not reported
Not reported
Contact country: US
Contact telephone: (562) 599-2497
Contact email: Not reported
EPA Region: 09
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NOVA TECHNO CORPORATION (Continued)

1007198916

Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

M83
ESE
1/8-1/4
0.130 mi.
687 ft.

NOVA TECHNO CORP
1368 OREGON AVE
LONG BEACH, CA
Site 5 of 6 in cluster M

CA NPDES 1000143314
CA FID UST N/A
CA SLIC
CA UST
CA HIST UST

Relative:
Lower

NPDES:

Actual:
11 ft.

Npdes Number: Not reported
Facility Status: Not reported
Agency Id: Not reported
Region: 4
Regulatory Measure Id: 268835
Order No: Not reported
Regulatory Measure Type: Industrial
Place Id: Not reported
WDID: 4 19I005529
Program Type: Not reported
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: Not reported
Expiration Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported
Discharge Name: Not reported
Discharge Address: Not reported
Discharge City: Not reported
Discharge State: Not reported
Discharge Zip: Not reported
RECEIVED DATE: 05/09/2008
PROCESSED DATE: 03/30/1992
STATUS CODE NAME: Terminated
STATUS DATE: 03/30/1992
PLACE SIZE: 5900
PLACE SIZE UNIT: SqFt
FACILITY CONTACT NAME: Sam P Ponzio
FACILITY CONTACT TITLE: Not reported
FACILITY CONTACT PHONE: 310-599-2497
FACILITY CONTACT PHONE EXT: Not reported
FACILITY CONTACT EMAIL: Not reported
OPERATOR NAME: Nova Techno Corp
OPERATOR ADDRESS: 1368 Oregon Ave
OPERATOR CITY: Long Beach
OPERATOR STATE: California
OPERATOR ZIP: 90813
OPERATOR CONTACT NAME: Sam P Ponzio

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NOVA TECHNO CORP (Continued)

1000143314

OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	310-599-2497
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Private Business
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	California
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	310-599-2497
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	Los Angeles River
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	3471-Electroplating, Plating, Polishing, Anodizing, and Coloring
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported

CA FID UST:

Facility ID:	19029718
Regulated By:	UTNKA
Regulated ID:	00006617
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	2135992497
Mail To:	Not reported
Mailing Address:	1368 OREGON AVE
Mailing Address 2:	Not reported
Mailing City,St,Zip:	LONG BEACH 90813
Contact:	Not reported
Contact Phone:	Not reported
DUNS Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NOVA TECHNO CORP (Continued)

1000143314

Status: Active

SLIC:

Region: STATE
Facility Status: Completed - Case Closed
Status Date: 10/23/2003
Global Id: SL184691452
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number: Not reported
Latitude: 33.8038112212478
Longitude: -118.164083698727
Case Type: Cleanup Program Site
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: 0624
File Location: Not reported
Potential Media Affected: Not reported
Potential Contaminants of Concern: Not reported
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

SLIC REG 4:

Region: 4
Facility Status: No further action required
SLIC: 0624
Substance: Cr
Staff: RE

LONG BEACH UST:

DATA AS OF 02/25/2014:

Region: LONG BEACH
Tanks: 1F
Tank Test: Not reported
Leak Test: Not reported
Tank Status: Not reported

HIST UST:

Region: STATE
Facility ID: 00000006617
Facility Type: Other
Other Type: CHROME PLATING
Contact Name: SAM P. PONZIO,
Telephone: 2135992497
Owner Name: NOVA TECHNO CORPORATION
Owner Address: 1368 OREGON AVE.
Owner City,St,Zip: LONG BEACH, CA 90813
Total Tanks: 0003

Tank Num: 001
Container Num: 1
Year Installed: 1974
Tank Capacity: 00002000
Tank Used for: PRODUCT
Type of Fuel: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NOVA TECHNO CORP (Continued)

1000143314

Container Construction Thickness: 1/4"
Leak Detection: Visual

Tank Num: 002
Container Num: 2
Year Installed: 1978
Tank Capacity: 00000800
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: 1/4"
Leak Detection: Visual

Tank Num: 003
Container Num: 3
Year Installed: 1972
Tank Capacity: 00002000
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 6
Leak Detection: Visual

M84
East
1/8-1/4
0.131 mi.
690 ft.

CARAVAN MANUFACTURING CO INC
1424 OREGON AVE
LONG BEACH, CA
Site 6 of 6 in cluster M

CA UST **U003661147**
N/A

Relative:
Higher

LONG BEACH UST:

DATA AS OF 02/25/2014:

Actual:
15 ft.

Region: LONG BEACH
Tanks: 0T
Tank Test: Not reported
Leak Test: Not reported
Tank Status: Not reported

L85
NNE
1/8-1/4
0.132 mi.
699 ft.

0700 W 17TH ST
LONG BEACH, CA

CA UST **U003919708**
N/A

Site 5 of 6 in cluster L

Relative:
Higher

LONG BEACH UST:

DATA AS OF 02/25/2014:

Actual:
16 ft.

Region: LONG BEACH
Tanks: 0F
Tank Test: Not reported
Leak Test: Not reported
Tank Status: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

N86
SE
1/8-1/4
0.135 mi.
714 ft.

ARATEX SERVICES INC
702 WEST ANAHEIM STREET
LONG BEACH, CA 90813

CA SLIC
CA HAZNET
S113036843
N/A

Site 5 of 6 in cluster N

Relative:
Lower

SLIC:

Actual:
11 ft.

Region:

Facility Status:

Status Date:

Global Id:

Lead Agency:

Lead Agency Case Number:

Latitude:

Longitude:

Case Type:

Case Worker:

Local Agency:

RB Case Number:

File Location:

Potential Media Affected:

Potential Contaminants of Concern:

Site History:

STATE

Open - Remediation

08/16/2013

SL204FH2430

LOS ANGELES RWQCB (REGION 4)

Not reported

33.7821792846523

-118.200488090515

Cleanup Program Site

AS

Not reported

0678

Regional Board

Aquifer used for drinking water supply, Indoor Air, Soil, Soil Vapor
Tetrachloroethylene (PCE), Trichloroethylene (TCE), Vinyl chloride
The property is currently vacant The property is occupied by two
buildings. Historically, the main laundry facility was located on the
west and the auxiliary building was on the east. The area between the
two buildings is covered by asphalt pavement. Adjacent to the main
building on the west, there is a sump. The past operations and uses
of the sump are unknown. Three underground storage tanks (USTs) and
one above-ground storage tank (AST) were present at the site prior to
ARAMARK's purchase in 1986. USTs included a 6,000-gallon diesel, a
550-gallon gasoline, and a Stoddard solvent UST of unknown size. The
AST contained tetrachloroethylene (PCE) and had a capacity of 1,000
gallons. In 1982, the diesel and gasoline USTs and PCE AST were
removed. Later, the Stoddard solvent UST was filled with concrete and
pea gravel and abandoned in-place. The exact date of the Stoddard
solvent UST abandonment is unknown but occurred prior to 1986.
Several soil and groundwater investigations have been conducted at
the site since 1987. Soil and groundwater have been impacted with
chlorinated volatile organic compounds, petroleum hydrocarbons,
benzene, toluene, ethylbenzene and xylenes (BTEX). Highest historical
soil concentrations include 28,000 micrograms per kilogram (%g/kg) of
PCE, 1,200 %g/kg of cis-1,2-dichloroethylene (c-1,2-DCE), 2,300 %g/kg
of benzene, and 12,000 %g/kg of total petroleum hydrocarbons. Initial
groundwater investigations in 1988 detected concentrations of
benzene, trans-1,2-DCE, and PCE up to 1,600, 7,240, and 8,350
micrograms per liter (%g/L), respectively. A groundwater pump and
treat system operated at the site from 1994 to 2002, pumping
groundwater through a shallow tray air stripper and two granular
activated carbon units prior to discharge at the storm drain, under
the National Pollutant Discharge Elimination System (NPDES) permit
No. CA0063045. Groundwater monitoring has been conducted since 1987.
In general, concentrations of chlorinated volatile organic compounds
in groundwater have decreased due to the operation of remediation
system, except for vinyl chloride. Maximum groundwater concentrations
in the second quarter of 2008 include PCE at 450 %g/L, TCE at 120
%g/L, , cis-1,2-DCE at 59 %g/L, vinyl chloride at 600 %g/L, benzene
at 33 %g/L, and chlorobenzene at 47 %g/L . There are currently 7
groundwater monitoring wells on the property. Four groundwater
monitoring wells are scattered around the property, across Orange

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ARATEX SERVICES INC (Continued)

S113036843

Avenue, and across West Anaheim Street. The groundwater monitoring wells are screened differently based on when they were installed.

[Click here to access the California GeoTracker records for this facility:](#)

HAZNET:

envid: S113036843
Year: 1997
GEPAID: CAL000038236
Contact: ARAMARK UNIFORM SERVICES INC
Telephone: 8189733700
Mailing Name: Not reported
Mailing Address: 1827 WALDEN OFFICE SQ STE 200
Mailing City,St,Zip: SCHAUMBURG, IL 601734275
Gen County: Not reported
TSD EPA ID: CAD008364432
TSD County: Not reported
Waste Category: Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)
Disposal Method: Treatment, Tank
Tons: .7297
Facility County: Los Angeles

envid: S113036843
Year: 1997
GEPAID: CAL000038236
Contact: ARAMARK UNIFORM SERVICES INC
Telephone: 8189733700
Mailing Name: Not reported
Mailing Address: 1827 WALDEN OFFICE SQ STE 200
Mailing City,St,Zip: SCHAUMBURG, IL 601734275
Gen County: Not reported
TSD EPA ID: CAD008364432
TSD County: Not reported
Waste Category: Aqueous solution with total organic residues 10 percent or more
Disposal Method: Treatment, Tank
Tons: .6880
Facility County: Los Angeles

L87
NNE
1/8-1/4
0.137 mi.
725 ft.

DAISY SUBSTATION
1700 OREGON ST
LONG BEACH, CA 90813

RCRA-SQG **1000597546**
FINDS **CAD983615618**

Site 6 of 6 in cluster L

Relative:
Higher

RCRA-SQG:

Date form received by agency: 09/01/1996
Facility name: DAISY SUBSTATION
Facility address: 1700 OREGON ST
LONG BEACH, CA 90813
EPA ID: CAD983615618
Mailing address: 2244 WALNUT GROVE AVE RM 407
ROSEMEAD, CA 91770
Contact: Not reported
Contact address: Not reported
Not reported
Contact country: US

Actual:
16 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DAISY SUBSTATION (Continued)

1000597546

Contact telephone: Not reported
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: SOUTHERN CALIF EDISON
Owner/operator address: PO BOX 800
ROSEMEAD, CA 91770
Owner/operator country: Not reported
Owner/operator telephone: (818) 302-9320
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 12/23/1991
Site name: DAISY SUBSTATION
Classification: Large Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110002866471

Environmental Interest/Information System

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DAISY SUBSTATION (Continued)

1000597546

Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

STATE MASTER

**N88
SE
1/8-1/4
0.140 mi.
737 ft.**

**SOFT WATER LAUNDRY & DRY CLEANING CO
702 W ANAHEIM
LONG BEACH, CA
Site 6 of 6 in cluster N**

EDR US Hist Cleaners

**1009162575
N/A**

**Relative:
Lower**

EDR Historical Cleaners:

Name: SOFT WATER LAUNDRY AND DRY CLEAN- ING CO
Year: 1952

**Actual:
11 ft.**

Type: LAUNDRIES - STE AM

Name: SOFT WATER LAUNDRY & DRY CLEANING CO
Year: 1952
Type: CLEANERS GARMENTS, CURTAINS AND DRAPERIES

Name: SOFT WATER LAUNDRY & DRY CLEAN- ING CO
Year: 1952
Type: CLEANERS AND DYERS

Name: SOFT WATER LAUNDRY & DRY CLEANING CO
Year: 1952
Type: DRY CLEANERS

Name: SOFT WATER LAUNDRY & DRY CLEAN- ING CO
Year: 1957
Type: CALIF CLEANERS AND DYERS

**P89
NE
1/8-1/4
0.141 mi.
747 ft.**

**BOLA CHEMICALS
1524 OREGON AVE
LONG BEACH, CA 90813
Site 2 of 5 in cluster P**

**RCRA-SQG
FINDS**

**1000141830
CAD982023061**

**Relative:
Lower**

RCRA-SQG:

Date form received by agency: 08/11/1987

Facility name: BOLA CHEMICALS
Facility address: 1524 OREGON AVE
LONG BEACH, CA 90813

EPA ID: CAD982023061
Mailing address: OREGON AVE
LONG BEACH, CA 90813

Contact: ENVIRONMENTAL MANAGER
Contact address: 1524 OREGON AVE
LONG BEACH, CA 90813

Contact country: US
Contact telephone: (213) 491-5774
Contact email: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BOLA CHEMICALS (Continued)

1000141830

EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: BOLA CHEMICALS
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002779510

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BOLA CHEMICALS (Continued)

1000141830

program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

O90
ENE
1/8-1/4
0.147 mi.
776 ft.

DYNATRON ELECTRIC CO. INC.
1492 OREGON AVE
LONG BEACH, CA
Site 3 of 7 in cluster O

CA UST **U003661149**
N/A

Relative:
Lower

LONG BEACH UST:

DATA AS OF 02/25/2014:

Actual:
13 ft.

Region: LONG BEACH
Tanks: 0T
Tank Test: Not reported
Leak Test: Not reported
Tank Status: Not reported

91
NW
1/8-1/4
0.149 mi.
786 ft.

PUBLIC SERVICE TRANSFER STATION #1
E. SIDE 710MHWY -BTW ANAHEIM ST./ P.C.H.
LONG BEACH, CA

CA SWF/LF **S105247930**
N/A

Relative:
Higher

SWF/LF (SWIS):

Actual:
14 ft.

Region: STATE
Facility ID: 19-AA-1047
Lat/Long: 33.7866700 / -118.20695
Owner Name: City of Long Beach,Public Service Bureau
Owner Telephone: 5625702732
Owner Address: Special Projects Officer
Owner Address2: 1601 San Francisco Ave.
Owner City,St,Zip: Long Beach, CA 90813
Operational Status: Active
Operator: City of Long Beach, Public Works Dept.
Operator Phone: 5625702784
Operator Address: Superintendent Streets Maintenance
Operator Address2: 1601 San Francisco Ave.
Operator City,St,Zip: Long Beach, CA 90813
Permit Date: 10/19/2001
Permit Status: Notification
Permitted Acreage: Not reported
Activity: Limited Volume Transfer Operation
Regulation Status: Notification
Landuse Name: Not reported
GIS Source: GPS
Category: Transfer/Processing
Unit Number: 01
Inspection Frequency: Quarterly
Accepted Waste: Green Materials
Closure Date: Not reported
Closure Type: Not reported
Disposal Acreage: Not reported
SWIS Num: 19-AA-1047
Waste Discharge Requirement Num: Not reported
Program Type: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PUBLIC SERVICE TRANSFER STATION #1 (Continued)

S105247930

Permitted Throughput with Units: 12
Actual Throughput with Units: Tons/day
Permitted Capacity with Units: 3000
Remaining Capacity: Not reported
Remaining Capacity with Units: Tons/year
Lat/Long: 33.7866700 / -118.20695

K92
NNE
1/8-1/4
0.150 mi.
790 ft.

0730 W ESTHER ST
LONG BEACH, CA

CA UST **U003919980**
N/A

Site 5 of 5 in cluster K

Relative:
Lower

LONG BEACH UST:

DATA AS OF 02/25/2014:

Actual:
13 ft.

Region: LONG BEACH
Tanks: 0F
Tank Test: Not reported
Leak Test: Not reported
Tank Status: Not reported

Q93
NNE
1/8-1/4
0.150 mi.
793 ft.

739 W PACIFIC COAST HWY
LONG BEACH, CA 90806

EDR US Hist Auto Stat **1015621505**
N/A

Site 1 of 9 in cluster Q

Relative:
Lower

EDR Historical Auto Stations:

Name: ALL AMERICAN AUTOMOTIVE PARTS
Year: 2003
Address: 739 W PACIFIC COAST HWY

Actual:
12 ft.

Q94
NNE
1/8-1/4
0.153 mi.
806 ft.

RELIABLE CLEANERS & DYERS
733 W PACIFIC COAST HWY
LONG BEACH, CA

EDR US Hist Cleaners **1009142536**
N/A

Site 2 of 9 in cluster Q

Relative:
Lower

EDR Historical Cleaners:

Name: TUNTH PEGGY MRS
Year: 1948
Type: CLOTHES PRESSERS AND CLEANERS

Actual:
12 ft.

Name: TUNTH PEGGY MRS
Year: 1948
Type: CLOTHES PRESSERS AND CLEANERS

Name: RELIABLE CLEANERS & DYERS
Year: 1952
Type: CLEANERS AND DYERS

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

Q95
NNE
1/8-1/4
0.154 mi.
812 ft.
RELIAIBLE CLEANERS & DYERS
733 W PACIFIC COAST
LONG BEACH, CA
Site 3 of 9 in cluster Q
EDR US Hist Cleaners
1009162556
N/A
Relative:
Lower
Actual:
12 ft.
EDR Historical Cleaners:
Name: RELIAIBLE CLEANERS & DYERS
Year: 1952
Type: CLEANERS AND DYERS

Q96
NNE
1/8-1/4
0.157 mi.
827 ft.
0700 W PACIFIC COAST HWY
LONG BEACH, CA
Site 4 of 9 in cluster Q
CA UST
U003920197
N/A
Relative:
Lower
Actual:
12 ft.
LONG BEACH UST:
DATA AS OF 02/25/2014:
Region: LONG BEACH
Tanks: 0F
Tank Test: Not reported
Leak Test: Not reported
Tank Status: Not reported

O97
ENE
1/8-1/4
0.162 mi.
853 ft.
666 W COWLES ST
LONG BEACH, CA 90813
Site 4 of 7 in cluster O
EDR US Hist Auto Stat
1015595257
N/A
Relative:
Higher
Actual:
14 ft.
EDR Historical Auto Stations:
Name: SAMAYOAS BODY REPAIRS
Year: 2005
Address: 666 W COWLES ST

O98
ENE
1/8-1/4
0.163 mi.
862 ft.
AIR CARGO (NOT PREVIOUSLY ON TANK LIST)
0665 W COWLES ST #3
LONG BEACH, CA
Site 5 of 7 in cluster O
CA UST
U003660593
N/A
Relative:
Higher
Actual:
14 ft.
LONG BEACH UST:
DATA AS OF 02/25/2014:
Region: LONG BEACH
Tanks: 0T
Tank Test: Not reported
Leak Test: Not reported
Tank Status: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

99
South
1/8-1/4
0.175 mi.
922 ft.

V & S TRANSPORTATION
1100 DE FOREST AVE
LONG BEACH, CA

CA UST

U003660638
N/A

Relative:
Lower

LONG BEACH UST:

DATA AS OF 02/25/2014:

Actual:
12 ft.

Region: LONG BEACH
Tanks: OT
Tank Test: Not reported
Leak Test: Not reported
Tank Status: Not reported

P100
ENE
1/8-1/4
0.176 mi.
929 ft.

BOYD INDUSTRIAL COATINGS INC
651 W 15TH ST
LONG BEACH, CA 90813

RCRA-SQG
FINDS
CA HAZNET

1000183282
CAD981624018

Site 3 of 5 in cluster P

Relative:
Lower

RCRA-SQG:

Actual:
13 ft.

Date form received by agency: 02/06/1987
Facility name: BOYD INDUSTRIAL COATINGS INC
Facility address: 651 W 15TH ST
LONG BEACH, CA 90813
EPA ID: CAD981624018
Mailing address: PO BOX 15488
LONG BEACH, CA 90815
Contact: ENVIRONMENTAL MANAGER
Contact address: 651 W 15TH ST
LONG BEACH, CA 90813
Contact country: US
Contact telephone: (213) 436-6610
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: BOYD JACK
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BOYD INDUSTRIAL COATINGS INC (Continued)

1000183282

Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002727871

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZNET:

envid: 1000183282
Year: 1994
GEPAID: CAD981624018
Contact: Not reported
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: PO BOX 15488
Mailing City,St,Zip: LONG BEACH, CA 908150000
Gen County: Not reported
TSD EPA ID: CAD009452657
TSD County: Not reported
Waste Category: Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
Disposal Method: Disposal, Other
Tons: 1.4803
Facility County: Los Angeles

envid: 1000183282
Year: 1994
GEPAID: CAD981624018
Contact: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BOYD INDUSTRIAL COATINGS INC (Continued)

1000183282

Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: PO BOX 15488
Mailing City,St,Zip: LONG BEACH, CA 908150000
Gen County: Not reported
TSD EPA ID: CAD008252405
TSD County: Not reported
Waste Category: Paint sludge
Disposal Method: Recycler
Tons: 1.0425
Facility County: Los Angeles

envid: 1000183282
Year: 1994
GEPAID: CAD981624018
Contact: Not reported
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: PO BOX 15488
Mailing City,St,Zip: LONG BEACH, CA 908150000
Gen County: Not reported
TSD EPA ID: CAD008252405
TSD County: Not reported
Waste Category: Aqueous solution with total organic residues 10 percent or more
Disposal Method: Recycler
Tons: .2502
Facility County: Los Angeles

P101
ENE
1/8-1/4
0.176 mi.
929 ft.

651 W 15TH ST
LONG BEACH, CA 90813
Site 4 of 5 in cluster P

EDR US Hist Auto Stat 1015591234
N/A

Relative:
Lower

EDR Historical Auto Stations:

Actual:
13 ft.

Name: ROSALEO AUTO REPAIR
Year: 2001
Address: 651 W 15TH ST

Name: ROSALEO AUTO REPAIR
Year: 2002
Address: 651 W 15TH ST

Name: ROSALEO AUTO REPAIR
Year: 2003
Address: 651 W 15TH ST

Name: ROSALEO AUTO REPAIR
Year: 2004
Address: 651 W 15TH ST

Name: ROSALEO AUTO REPAIR
Year: 2006
Address: 651 W 15TH ST

Name: ROSALEO AUTO REPAIR
Year: 2007
Address: 651 W 15TH ST

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

1015591234

Name: ROSALEO AUTO REPAIR
Year: 2008
Address: 651 W 15TH ST

Name: ROSALIO AUTO REPAIR
Year: 2010
Address: 651 W 15TH ST

R102 BRYANT S AUTO RE CONDITIONING
NNE 689 W ESTHER ST
1/8-1/4 LONG BEACH, CA
0.177 mi.
932 ft. Site 1 of 7 in cluster R

EDR US Hist Auto Stat 1009017168
N/A

Relative: EDR Historical Auto Stations:
Lower Name: BRYANT S AUTO RE CONDITIONING
Year: 1939
Actual: Type: AUTOMOBILE REPAIRING
12 ft.

O103 DOUGLAS PRODUCE
East 648 COWLES ST
1/8-1/4 LONG BEACH, CA 90813
0.178 mi.
939 ft. Site 6 of 7 in cluster O

CA HIST CORTESE S101296709
CA LUST N/A

Relative: HIST CORTESE:
Higher Region: CORTESE
Facility County Code: 19
Actual: Reg By: LTNKA
14 ft. Reg Id: 908130325

LUST:
Region: STATE
Global Id: T0603701946
Latitude: 33.7848544484889
Longitude: -118.200466632843
Case Type: LUST Cleanup Site
Status: Open - Site Assessment
Status Date: 06/04/2007
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Worker: JH
Local Agency: LONG BEACH, CITY OF
RB Case Number: 908130325
LOC Case Number: Not reported
File Location: Regional Board
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:
Global Id: T0603701946
Contact Type: Local Agency Caseworker
Contact Name: CARMEN PIRO
Organization Name: LONG BEACH, CITY OF

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOUGLAS PRODUCE (Continued)

S101296709

Address: 2525 GRAND AVE.
City: LONG BEACH
Email: carmen.piro@longbeach.gov
Phone Number: 5625704137

Global Id: T0603701946
Contact Type: Regional Board Caseworker
Contact Name: JAY HUANG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 WEST 4TH STREET, SUITE 200
City: LOS ANGELES
Email: jhuang@waterboards.ca.gov
Phone Number: 2135766711

Status History:

Global Id: T0603701946
Status: Open - Site Assessment
Status Date: 06/04/2007

Global Id: T0603701946
Status: Open - Case Begin Date
Status Date: 02/13/1987

Global Id: T0603701946
Status: Open - Site Assessment
Status Date: 07/02/1997

Global Id: T0603701946
Status: Open - Site Assessment
Status Date: 03/30/1998

Regulatory Activities:

Global Id: T0603701946
Action Type: Other
Date: 02/13/1987
Action: Leak Discovery

Global Id: T0603701946
Action Type: ENFORCEMENT
Date: 01/11/2006
Action: Staff Letter

Global Id: T0603701946
Action Type: REMEDIATION
Date: 10/01/2007
Action: Free Product Removal

Global Id: T0603701946
Action Type: ENFORCEMENT
Date: 10/11/2007
Action: Staff Letter

Global Id: T0603701946
Action Type: RESPONSE
Date: 10/15/1998
Action: Soil and Water Investigation Report

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOUGLAS PRODUCE (Continued)

S101296709

Global Id:	T0603701946
Action Type:	Other
Date:	02/13/1987
Action:	Leak Reported
Global Id:	T0603701946
Action Type:	RESPONSE
Date:	04/15/2006
Action:	Monitoring Report - Quarterly
Global Id:	T0603701946
Action Type:	RESPONSE
Date:	01/15/2007
Action:	Monitoring Report - Quarterly
Global Id:	T0603701946
Action Type:	RESPONSE
Date:	11/15/2007
Action:	Soil and Water Investigation Report
Global Id:	T0603701946
Action Type:	ENFORCEMENT
Date:	07/24/2007
Action:	Staff Letter
Global Id:	T0603701946
Action Type:	RESPONSE
Date:	10/15/2006
Action:	Monitoring Report - Quarterly
Global Id:	T0603701946
Action Type:	RESPONSE
Date:	01/15/2008
Action:	Monitoring Report - Quarterly
Global Id:	T0603701946
Action Type:	RESPONSE
Date:	07/15/2007
Action:	Monitoring Report - Quarterly
Global Id:	T0603701946
Action Type:	RESPONSE
Date:	02/01/2013
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603701946
Action Type:	ENFORCEMENT
Date:	12/17/2012
Action:	Health and Safety Code Section 25296.10(c)
Global Id:	T0603701946
Action Type:	RESPONSE
Date:	01/15/2009
Action:	Monitoring Report - Quarterly
Global Id:	T0603701946
Action Type:	RESPONSE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOUGLAS PRODUCE (Continued)

S101296709

Date:	04/15/2007
Action:	Monitoring Report - Quarterly
Global Id:	T0603701946
Action Type:	RESPONSE
Date:	10/15/2007
Action:	Monitoring Report - Quarterly
Global Id:	T0603701946
Action Type:	RESPONSE
Date:	06/04/2007
Action:	Soil and Water Investigation Workplan
Global Id:	T0603701946
Action Type:	RESPONSE
Date:	11/15/2007
Action:	Soil and Water Investigation Report
Global Id:	T0603701946
Action Type:	ENFORCEMENT
Date:	08/10/2000
Action:	Staff Letter
Global Id:	T0603701946
Action Type:	ENFORCEMENT
Date:	10/21/2008
Action:	Staff Letter
Global Id:	T0603701946
Action Type:	ENFORCEMENT
Date:	02/18/2009
Action:	Staff Letter
Global Id:	T0603701946
Action Type:	RESPONSE
Date:	10/15/2008
Action:	Monitoring Report - Quarterly
Global Id:	T0603701946
Action Type:	RESPONSE
Date:	04/15/2008
Action:	Monitoring Report - Quarterly
Global Id:	T0603701946
Action Type:	RESPONSE
Date:	07/15/2008
Action:	Monitoring Report - Quarterly
Global Id:	T0603701946
Action Type:	RESPONSE
Date:	07/15/2013
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603701946
Action Type:	RESPONSE
Date:	10/15/2013
Action:	Monitoring Report - Semi-Annually

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOUGLAS PRODUCE (Continued)

S101296709

Global Id:	T0603701946
Action Type:	ENFORCEMENT
Date:	06/15/2009
Action:	Staff Letter
Global Id:	T0603701946
Action Type:	RESPONSE
Date:	01/15/2010
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603701946
Action Type:	RESPONSE
Date:	05/15/2009
Action:	Soil and Water Investigation Report
Global Id:	T0603701946
Action Type:	RESPONSE
Date:	01/15/2015
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603701946
Action Type:	ENFORCEMENT
Date:	06/24/2002
Action:	Staff Letter
Global Id:	T0603701946
Action Type:	RESPONSE
Date:	02/05/2009
Action:	Soil and Water Investigation Workplan
Global Id:	T0603701946
Action Type:	RESPONSE
Date:	04/15/2009
Action:	Monitoring Report - Quarterly
Global Id:	T0603701946
Action Type:	RESPONSE
Date:	07/15/2009
Action:	Monitoring Report - Quarterly
Global Id:	T0603701946
Action Type:	RESPONSE
Date:	04/15/2014
Action:	Monitoring Report - Semi-Annually

LUST REG 4:

Region:	4
Regional Board:	04
County:	Los Angeles
Facility Id:	908130325
Status:	Pollution Characterization
Substance:	Gasoline
Substance Quantity:	Not reported
Local Case No:	Not reported
Case Type:	Groundwater
Abatement Method Used at the Site:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOUGLAS PRODUCE (Continued)

S101296709

Global ID:	T0603701946	
W Global ID:	Not reported	
Staff:	HDN	
Local Agency:	19060	
Cross Street:	ATLANTIC	
Enforcement Type:	LET	
Date Leak Discovered:	2/13/1987	
Date Leak First Reported:		2/13/1987
Date Leak Record Entered:	6/16/1988	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		5/4/1999
Date the Case was Closed:		Not reported
How Leak Discovered:	Not reported	
How Leak Stopped:	Not reported	
Cause of Leak:	Not reported	
Leak Source:	Not reported	
Operator:	Not reported	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		15430.674663992219313198152981
Source of Cleanup Funding:		Not reported
Preliminary Site Assessment Workplan Submitted:	7/2/1997	
Preliminary Site Assessment Began:		5/8/1998
Pollution Characterization Began:		8/10/2000
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		2/13/1987
Enforcement Action Date:		8/10/2000
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		39
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	PETE DOUGLAS	
RP Address:	648 COWLES ST,	
Program:	LUST	
Lat/Long:	33.7847417 / -1	
Local Agency Staff:	Not reported	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	
Assigned Name:	Not reported	
Summary:	12/23/97- UST CLOSURE REPORT (FREE PRODUCT SITE)	01/30/98- ENVIRON. SITE ASSESSMENT & GW WELL INSTALL. WP
		02/13/98- REVISED SITE ASSESSMENT & GW WELL INSTALL. WP
		05/06/98- ENVIRON. SITE ASSESSMENT & GW WELL

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

O104
East
1/8-1/4
0.178 mi.
939 ft.

648 W COWLES ST
LONG BEACH, CA 90813

Site 7 of 7 in cluster O

EDR US Hist Auto Stat

1015589859
N/A

Relative:
Higher

EDR Historical Auto Stations:

Name: LONG BEACH MAINTENANCE & REPAIR INC
Year: 2008
Address: 648 W COWLES ST

Actual:
14 ft.

Name: LONG BEACH MAINTENANCE & REPAIR INC
Year: 2009
Address: 648 W COWLES ST

Name: LONG BEACH MNTNC & REPAIR
Year: 2010
Address: 648 W COWLES ST

Name: LONG BEACH MAINT & REPAIR
Year: 2011
Address: 648 W COWLES ST

Name: LONG BEACH MAINT & REPAIR
Year: 2012
Address: 648 W COWLES ST

S105
ESE
1/8-1/4
0.180 mi.
953 ft.

CALIFORNIA REFRIGERATED SERVICES
625 W ANAHEIM ST
LONG BEACH, CA 90813

Site 1 of 8 in cluster S

FTTS
HIST FTTS
CA UST

1004443092
N/A

Relative:
Lower

FTTS INSP:

Inspection Number: 19890126CA001 2
Region: 09
Inspection Date: 01/26/89
Inspector: BERMAN
Violation occurred: Yes
Investigation Type: Section 6 PCB State Conducted
Investigation Reason: Neutral Scheme, State
Legislation Code: TSCA
Facility Function: User

Actual:
13 ft.

HIST FTTS INSP:

Inspection Number: 19890126CA001 2
Region: 09
Inspection Date: Not reported
Inspector: BERMAN
Violation occurred: Yes
Investigation Type: Section 6 PCB State Conducted
Investigation Reason: Neutral Scheme, State
Legislation Code: TSCA
Facility Function: User

LONG BEACH UST:

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CALIFORNIA REFRIGERATED SERVICES (Continued)

1004443092

DATA AS OF 02/25/2014:

Region: LONG BEACH
Tanks: 0T
Tank Test: Not reported
Leak Test: Not reported
Tank Status: Not reported

S106
ESE
1/8-1/4
0.180 mi.
953 ft.

LONG BEACH COLD STORAGE DIFFUSION TANK
625 WEST ANAHEIM STREET
LONG BEACH, CA
Site 2 of 8 in cluster S

CERCLIS 1016139698
CAN000909534

Relative:
Lower

CERCLIS:

Site ID: 0909534
EPA ID: CAN000909534
Facility County: LOS ANGELES
Short Name: LONG BEACH COLD STORAGE D
Congressional District: Not reported
IFMS ID: Not reported
SMSA Number: Not reported
USGC Hydro Unit: Not reported
Federal Facility: Not a Federal Facility
DMNSN Number: 0.00000
Site Orphan Flag: Not reported
RCRA ID: Not reported
USGS Quadrangle: Not reported
Site Init By Prog: R
NFRAP Flag: Not reported
Parent ID: Not reported
RST Code: Not reported
EPA Region: 09
Classification: Chemical Plant
Site Settings Code: Not reported
NPL Status: Not on the NPL
DMNSN Unit Code: Not reported
RBRAC Code: Not reported
RResp Fed Agency Code: Not reported
Non NPL Status: Removal Only Site (No Site Assessment Work Needed)
Non NPL Status Date: 02/04/13
Site Fips Code: 06037
CC Concurrence Date: / /
CC Concurrence FY: Not reported
Alias EPA ID: Not reported
Site FUDS Flag: Not reported

Actual:
13 ft.

CERCLIS Site Contact Name(s):

Contact ID: 13000854.00000
Contact Name: Martin (Marty) Powell
Contact Tel: (602) 771-4591
Contact Title: On-Scene Coordinator (OSC)
Contact Email: Not reported

Alias Comments: Not reported
Site Description: Not reported

CERCLIS Assessment History:

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LONG BEACH COLD STORAGE DIFFUSION TANK (Continued)

1016139698

Action Code: 001
Action: POTENTIALLY RESPONSIBLE PARTY EMERGENCY REMOVAL
Date Started: 02/04/13
Date Completed: 02/22/13
Priority Level: Cleaned up
Operable Unit: SITEWIDE
Primary Responsibility: Responsible Party
Planning Status: Primary
Urgency Indicator: Emergency
Action Anomaly: Voluntary Cleanup Start and Complete

P107
ENE
1/8-1/4
0.185 mi.
975 ft.

0640 W 15TH ST
LONG BEACH, CA
Site 5 of 5 in cluster P

CA UST **U003919696**
N/A

Relative:
Lower

LONG BEACH UST:

DATA AS OF 02/25/2014:

Actual:
13 ft.

Region: LONG BEACH
Tanks: 0T
Tank Test: Not reported
Leak Test: Not reported
Tank Status: Not reported

T108
NE
1/8-1/4
0.185 mi.
978 ft.

VACANT
0640 W 16TH ST
LONG BEACH, CA
Site 1 of 2 in cluster T

CA UST **U003920371**
N/A

Relative:
Higher

LONG BEACH UST:

DATA AS OF 02/25/2014:

Actual:
15 ft.

Region: LONG BEACH
Tanks: 0T
Tank Test: Not reported
Leak Test: Not reported
Tank Status: Not reported

U109
ENE
1/8-1/4
0.190 mi.
1003 ft.

SUN HARDWARE CO, INC
635 W 15TH ST
LONG BEACH, CA 90813
Site 1 of 6 in cluster U

CA DRYCLEANERS **S106076977**
N/A

Relative:
Lower

DRYCLEANERS:

EPA Id: CAL000115673

NAICS Code: 81232

Actual:
13 ft.

NAICS Description: Drycleaning and Laundry Services (except Coin-Operated)

SIC Code: 7211

SIC Description: Power Laundries, Family and Commercial

Create Date: 02/22/1994

Facility Active: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SUN HARDWARE CO, INC (Continued)

S106076977

Inactive Date: 06/30/2007
Facility Addr2: Not reported
Owner Name: GORDON L GOODRICH
Owner Address: 635 W 15TH ST
Owner Address 2: Not reported
Owner Telephone: 5624323276
Contact Name: GORDON GOODRICH
Contact Address: --
Contact Address 2: Not reported
Contact Telephone: 5624323276
Mailing Name: Not reported
Mailing Address 1: PO BOX 92019
Mailing Address 2: Not reported
Mailing City: LONG BEACH
Mailing State: CA
Mailing Zip: 908092019
Owner Fax: Not reported
Region Code: Not reported

Q110 **JACK'S MOBIL SERVICE**
NNE **701 W PACIFIC COAST HIGHWAY**
1/8-1/4 **LONG BEACH, CA 90745**

EDR US Hist Auto Stat **1008994228**
N/A

0.191 mi.
1007 ft.

Site 5 of 9 in cluster Q

Relative:
Lower

EDR Historical Auto Stations:

Name: MARTIN G L
Year: 1944
Type: GASOLINE AND OIL SERVICE STATIONS

Name: WISDOM S MOBIL SERVICE
Year: 1952
Type: GASOLINE STATIONS

Name: JACK'S MOBIL SERVICE
Year: 1955
Type: Not reported

Name: KING S SERVICE STATION
Year: 1957
Type: GASOLINE STATIONS

Name: KING S SERVICE STATION
Year: 1957
Type: GASOLINE STATIONS

Name: BEHMERWOHL D S GARAGE
Year: 1963
Type: AUTOMOBILE REPAIRING

Name: KING S SERVICE STATION
Year: 1969
Type: GASOLINE STATIONS

Name: KING S SERVICE STATION
Year: 1969
Type: GASOLINE STATIONS

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

Q111
NNE
1/8-1/4
0.191 mi.
1007 ft.
Site 6 of 9 in cluster Q

CA UST
U003920198
N/A

Relative:
Lower

LONG BEACH UST:

DATA AS OF 02/25/2014:

Actual:
12 ft.

Region: LONG BEACH
Tanks: OT
Tank Test: Not reported
Leak Test: Not reported
Tank Status: Not reported

Q112
NNE
1/8-1/4
0.192 mi.
1012 ft.
Site 7 of 9 in cluster Q

EDR US Hist Auto Stat
1009050300
N/A

Relative:
Lower

EDR Historical Auto Stations:

Name: WISDOM S MOBIL SERVICE
Year: 1952
Type: GASOLINE STATIONS

Actual:
12 ft.

Q113
NNE
1/8-1/4
0.192 mi.
1012 ft.
Site 8 of 9 in cluster Q

CA HIST CORTESE
CA LUST
S101296781
N/A

Relative:
Lower

HIST CORTESE:

Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 908060089

Actual:
12 ft.

LUST:

Region: STATE
Global Id: T0603701827
Latitude: 33.790113
Longitude: -118.200917
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 08/28/1997
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Worker: JH
Local Agency: LONG BEACH, CITY OF
RB Case Number: 908060089
LOC Case Number: Not reported
File Location: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LA MIRAGE INN (Continued)

S101296781

Contact:

Global Id: T0603701827
Contact Type: Regional Board Caseworker
Contact Name: JAY HUANG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 WEST 4TH STREET, SUITE 200
City: LOS ANGELES
Email: jhuang@waterboards.ca.gov
Phone Number: 2135766711

Global Id: T0603701827
Contact Type: Local Agency Caseworker
Contact Name: CARMEN PIRO
Organization Name: LONG BEACH, CITY OF
Address: 2525 GRAND AVE.
City: LONG BEACH
Email: carmen.piro@longbeach.gov
Phone Number: 5625704137

Status History:

Global Id: T0603701827
Status: Completed - Case Closed
Status Date: 08/28/1997

Global Id: T0603701827
Status: Open - Verification Monitoring
Status Date: 04/04/1997

Global Id: T0603701827
Status: Open - Case Begin Date
Status Date: 03/03/1988

Global Id: T0603701827
Status: Open - Remediation
Status Date: 03/02/1990

Global Id: T0603701827
Status: Open - Site Assessment
Status Date: 02/16/1989

Regulatory Activities:

Global Id: T0603701827
Action Type: Other
Date: 03/03/1988
Action: Leak Discovery

Global Id: T0603701827
Action Type: Other
Date: 06/07/1988
Action: Leak Reported

LUST REG 4:

Region: 4
Regional Board: 04

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LA MIRAGE INN (Continued)

S101296781

County:	Los Angeles	
Facility Id:	908060089	
Status:	Case Closed	
Substance:	Gasoline	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Groundwater	
Abatement Method Used at the Site:	ETGT	
Global ID:	T0603701827	
W Global ID:	Not reported	
Staff:	JH	
Local Agency:	19060	
Cross Street:	MAINE	
Enforcement Type:	Not reported	
Date Leak Discovered:	3/3/1988	
Date Leak First Reported:	6/7/1988	
Date Leak Record Entered:	6/10/1988	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:	9/30/1997	
Date the Case was Closed:	8/28/1997	
How Leak Discovered:	Not reported	
How Leak Stopped:	Not reported	
Cause of Leak:	Not reported	
Leak Source:	Not reported	
Operator:	Not reported	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):	14065.683321647770475773190073	
Source of Cleanup Funding:	Not reported	
Preliminary Site Assessment Workplan Submitted:	Not reported	
Preliminary Site Assessment Began:	Not reported	
Pollution Characterization Began:	2/16/1989	
Remediation Plan Submitted:	Not reported	
Remedial Action Underway:	3/2/1990	
Post Remedial Action Monitoring Began:	4/4/1997	
Enforcement Action Date:	Not reported	
Historical Max MTBE Date:	1/1/1965	
Hist Max MTBE Conc in Groundwater:	8	
Hist Max MTBE Conc in Soil:	Not reported	
Significant Interim Remedial Action Taken:	Yes	
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	BLANK RP	
RP Address:	12841 WASHINGTON BLVD., LOS ANGELES, CA 90066	
Program:	LUST	
Lat/Long:	33.7901276 / -1	
Local Agency Staff:	Not reported	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	
Assigned Name:	Not reported	
Summary:	TANKS REMOVED GROUND WATER UNDER ENTIRE SITE CONTAMINATED. OFFSITE ASSESSMENT APPROVED.	6/25/97 QTR GW

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LA MIRAGE INN (Continued)

S101296781

MON RPT (2ND QTR 97)

U114
ENE
1/8-1/4
0.193 mi.
1018 ft.

VACANT
0600 W 15TH ST
LONG BEACH, CA
Site 2 of 6 in cluster U

CA UST U003854650
N/A

Relative:
Lower

LONG BEACH UST:
DATA AS OF 02/25/2014:

Actual:
12 ft.

Region: LONG BEACH
Tanks: 0T
Tank Test: Not reported
Leak Test: Not reported
Tank Status: Not reported

U115
ENE
1/8-1/4
0.193 mi.
1018 ft.

AIR CARGO EQUIPMENT CORP
600 W 15TH ST
LONG BEACH, CA 90813
Site 3 of 6 in cluster U

RCRA-SQG 1000106249
FINDS CAD095135810
CA FID UST
CA HIST UST
CA SWEEPS UST

Relative:
Lower

RCRA-SQG:
Date form received by agency: 09/01/1996
Facility name: AIR CARGO EQUIPMENT CORP
Facility address: 600 W 15TH ST
LONG BEACH, CA 90813
EPA ID: CAD095135810
Mailing address: W 15TH ST
LONG BEACH, CA 90813

Actual:
12 ft.

Contact: Not reported
Contact address: Not reported
Not reported
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: PUBLIC
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AIR CARGO EQUIPMENT CORP (Continued)

1000106249

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002664581

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

CA FID UST:

Facility ID: 19056672
Regulated By: UTNKA
Regulated ID: 00034141
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 2134356341
Mail To: Not reported
Mailing Address: 600 W 015TH ST
Mailing Address 2: Not reported
Mailing City,St,Zip: LONG BEACH 90813
Contact: Not reported
Contact Phone: Not reported
DUNS Number: Not reported
NPDES Number: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AIR CARGO EQUIPMENT CORP (Continued)

1000106249

EPA ID: Not reported
Comments: Not reported
Status: Active

HIST UST:

Region: STATE
Facility ID: 00000034141
Facility Type: Not reported
Other Type: Not reported
Contact Name: J.R. FIRESTONE
Telephone: 2134356341
Owner Name: AIR CARGO EQUIPMENT CORP.
Owner Address: 665 WEST COWLES
Owner City,St,Zip: LONG BEACH, CA 9083
Total Tanks: 0002

Tank Num: 001
Container Num: 1
Year Installed: Not reported
Tank Capacity: 00000000
Tank Used for: PRODUCT
Type of Fuel: 06
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 002
Container Num: 2
Year Installed: Not reported
Tank Capacity: 00000000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: None

SWEEPS UST:

Status: Active
Comp Number: 34141
Number: 9
Board Of Equalization: 44-013495
Referral Date: 07-01-85
Action Date: Not reported
Created Date: 02-29-88
Owner Tank Id: 1
SWRCB Tank Id: 19-060-034141-000001
Tank Status: A
Capacity: Not reported
Active Date: 07-01-85
Tank Use: M.V. FUEL
STG: P
Content: AVIA. GAS
Number Of Tanks: 2

Status: Active
Comp Number: 34141
Number: 9
Board Of Equalization: 44-013495

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AIR CARGO EQUIPMENT CORP (Continued)

1000106249

Referral Date: 07-01-85
Action Date: Not reported
Created Date: 02-29-88
Owner Tank Id: 2
SWRCB Tank Id: 19-060-034141-000002
Tank Status: A
Capacity: Not reported
Active Date: 07-01-85
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Q116
NNE
1/8-1/4
0.200 mi.
1056 ft.

SO CAL COASTAL WATER RES PROJ
646 W PACIFIC COAST HWY
LONG BEACH, CA 90806

RCRA-SQG
FINDS
CA HAZNET

1000166478
CAD981371230

Site 9 of 9 in cluster Q

Relative:
Lower

RCRA-SQG:

Date form received by agency: 05/08/1986

Facility name: SO CAL COASTAL WATER RES PROJ

Facility address: 646 W PACIFIC COAST HWY
LONG BEACH, CA 90806

EPA ID: CAD981371230

Contact: ENVIRONMENTAL MANAGER

Contact address: 646 W PACIFIC COAST HWY
LONG BEACH, CA 90806

Contact country: US

Contact telephone: (213) 435-7071

Contact email: Not reported

EPA Region: 09

Classification: Small Small Quantity Generator

Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: ED VAN

Owner/operator address: NOT REQUIRED

NOT REQUIRED, ME 99999

Owner/operator country: Not reported

Owner/operator telephone: (415) 555-1212

Legal status: Private

Owner/Operator Type: Owner

Owner/Op start date: Not reported

Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED

Owner/operator address: NOT REQUIRED

NOT REQUIRED, ME 99999

Owner/operator country: Not reported

Owner/operator telephone: (415) 555-1212

Legal status: Private

Owner/Operator Type: Operator

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SO CAL COASTAL WATER RES PROJ (Continued)

1000166478

Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002684113

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZNET:

envid: 1000166478
Year: 1993
GEPAID: CAD981371230
Contact: Not reported
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: 646 W PACIFIC COAST HWY
Mailing City,St,Zip: LONG BEACH, CA 908060000
Gen County: Not reported
TSD EPA ID: CAD008364432
TSD County: Not reported
Waste Category: Unspecified solvent mixture
Disposal Method: Recycler
Tons: 0.12509999999
Facility County: Los Angeles

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

	Site	Database(s)	
R117 NNE 1/8-1/4 0.203 mi. 1074 ft.	0653 W ESTHER ST LONG BEACH, CA Site 2 of 7 in cluster R	CA UST	U003919979 N/A
Relative: Lower	LONG BEACH UST: DATA AS OF 02/25/2014:		
Actual: 13 ft.	Region: LONG BEACH Tanks: OT Tank Test: Not reported Leak Test: Not reported Tank Status: Not reported		
R118 NNE 1/8-1/4 0.204 mi. 1078 ft.	0650 W ESTHER ST LONG BEACH, CA Site 3 of 7 in cluster R	CA UST	U003919978 N/A
Relative: Lower	LONG BEACH UST: DATA AS OF 02/25/2014:		
Actual: 13 ft.	Region: LONG BEACH Tanks: OF Tank Test: Not reported Leak Test: Not reported Tank Status: Not reported		
V119 NE 1/8-1/4 0.205 mi. 1083 ft.	ASSOCIATED BREWERS DIST. CO. 615 017TH ST W LONG BEACH, CA 90813 Site 1 of 6 in cluster V	CA HIST CORTESE CA LUST	S102424693 N/A
Relative: Lower	HIST CORTESE: Region: CORTESE Facility County Code: 19		
Actual: 12 ft.	Reg By: LTNKA Reg Id: 908130461		
	LUST: Region: STATE Global Id: T0603701957 Latitude: 33.7878936 Longitude: -118.1995662 Case Type: LUST Cleanup Site Status: Completed - Case Closed Status Date: 04/30/1999 Lead Agency: LOS ANGELES RWQCB (REGION 4) Case Worker: DK Local Agency: LONG BEACH, CITY OF RB Case Number: 908130461 LOC Case Number: Not reported File Location: Not reported Potential Media Affect: Aquifer used for drinking water supply Potential Contaminants of Concern: Other Solvent or Non-Petroleum Hydrocarbon Site History: Not reported		

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ASSOCIATED BREWERS DIST. CO. (Continued)

S102424693

[Click here to access the California GeoTracker records for this facility:](#)

Contact:

Global Id:	T0603701957
Contact Type:	Local Agency Caseworker
Contact Name:	CARMEN PIRO
Organization Name:	LONG BEACH, CITY OF
Address:	2525 GRAND AVE.
City:	LONG BEACH
Email:	carmen.piro@longbeach.gov
Phone Number:	5625704137
Global Id:	T0603701957
Contact Type:	Regional Board Caseworker
Contact Name:	DAVID KOO
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	Not reported
City:	R4 UNKNOWN
Email:	dkoo@waterboards.ca.gov
Phone Number:	Not reported

Status History:

Global Id:	T0603701957
Status:	Completed - Case Closed
Status Date:	04/30/1999
Global Id:	T0603701957
Status:	Open - Case Begin Date
Status Date:	10/19/1989
Global Id:	T0603701957
Status:	Open - Site Assessment
Status Date:	02/14/1990
Global Id:	T0603701957
Status:	Open - Site Assessment
Status Date:	11/20/1997

Regulatory Activities:

Global Id:	T0603701957
Action Type:	Other
Date:	10/19/1989
Action:	Leak Discovery
Global Id:	T0603701957
Action Type:	Other
Date:	10/19/1989
Action:	Leak Stopped
Global Id:	T0603701957
Action Type:	Other
Date:	10/19/1989
Action:	Leak Reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ASSOCIATED BREWERS DIST. CO. (Continued)

S102424693

LUST REG 4:

Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facility Id:	908130461	
Status:	Case Closed	
Substance:	Hydrocarbons	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Groundwater	
Abatement Method Used at the Site:	Not reported	
Global ID:	T0603701957	
W Global ID:	Not reported	
Staff:	DK	
Local Agency:	19060	
Cross Street:	MAGNOLIA AVE	
Enforcement Type:	Not reported	
Date Leak Discovered:	10/19/1989	
Date Leak First Reported:	10/19/1989	
Date Leak Record Entered:	9/23/1996	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	10/19/1989	
Date Case Last Changed on Database:	6/28/1999	
Date the Case was Closed:	4/30/1999	
How Leak Discovered:	Subsurface Monitoring	
How Leak Stopped:	Not reported	
Cause of Leak:	Not reported	
Leak Source:	Not reported	
Operator:	Not reported	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):	14440.216581973052396026143451	
Source of Cleanup Funding:	Not reported	
Preliminary Site Assessment Workplan Submitted:	2/14/1990	
Preliminary Site Assessment Began:	Not reported	
Pollution Characterization Began:	11/20/1997	
Remediation Plan Submitted:	Not reported	
Remedial Action Underway:	Not reported	
Post Remedial Action Monitoring Began:	Not reported	
Enforcement Action Date:	Not reported	
Historical Max MTBE Date:	1/1/1965	
Hist Max MTBE Conc in Groundwater:	25	
Hist Max MTBE Conc in Soil:	Not reported	
Significant Interim Remedial Action Taken:	Not reported	
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	ASSOCIATED BREWERS DIST. CO	
RP Address:	P.O. BOX 11238, MARINA DEL REY CA 90295	
Program:	LUST	
Lat/Long:	33.7878936 / -1	
Local Agency Staff:	Not reported	
Beneficial Use:	Not reported	
Priority:	1C1	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ASSOCIATED BREWERS DIST. CO. (Continued)

S102424693

Assigned Name: Not reported
Summary: 05/01/97 - WORK PLAN FOR ADD'L SITE ASSESSMENT; 01/30/98 - STATUS RPT
FOR 4TH QTR 1997; 05/14/98 - STATUS RPT FOR 1ST QTR 1998 & REQUEST
FOR CLOSURE; 6/28/99 WELL DESTRUCTION

R120
NE
1/8-1/4
0.207 mi.
1094 ft.

646 W ESTHER ST
LONG BEACH, CA 90813

EDR US Hist Auto Stat **1015589497**
N/A

Site 4 of 7 in cluster R

Relative:
Lower

EDR Historical Auto Stations:

Name: LONG BEACH AUTOMOTIVE DSTLR
Year: 2004
Address: 646 W ESTHER ST

Actual:
13 ft.

R121
NNE
1/8-1/4
0.208 mi.
1097 ft.

BRYANT S AUTO RE-CONDITIONING
639 W ESTHER ST
LONG BEACH, CA

EDR US Hist Auto Stat **1009122384**
N/A

Site 5 of 7 in cluster R

Relative:
Lower

EDR Historical Auto Stations:

Name: BRYANT S AUTO RE-CONDITIONING
Year: 1939
Type: AUTOMOBILE REPAIRING

Actual:
13 ft.

R122
NE
1/8-1/4
0.210 mi.
1107 ft.

MEADOWS ROOFING
0645 W ESTHER ST
LONG BEACH, CA

CA UST **U003660684**
N/A

Site 6 of 7 in cluster R

Relative:
Lower

LONG BEACH UST:

DATA AS OF 02/25/2014:

Region: LONG BEACH
Tanks: 0T
Tank Test: Not reported
Leak Test: Not reported
Tank Status: Not reported

Actual:
13 ft.

V123
NE
1/8-1/4
0.212 mi.
1119 ft.

VACANT
0615 W 17TH ST
LONG BEACH, CA

CA UST **U003854658**
N/A

Site 2 of 6 in cluster V

Relative:
Lower

LONG BEACH UST:

DATA AS OF 02/25/2014:

Region: LONG BEACH
Tanks: 0T
Tank Test: Not reported

Actual:
12 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VACANT (Continued)

U003854658

Leak Test: Not reported
Tank Status: Not reported

W124
East
1/8-1/4
0.215 mi.
1133 ft.
SPICK & SPAN LAUNDRY
609 COWLES
LONG BEACH, CA
Site 1 of 4 in cluster W

EDR US Hist Cleaners **1009161472**
N/A

Relative: EDR Historical Cleaners:
Lower Name: SPICK & SPAN LAUNDRY
Year: 1924
Actual: Type: LAUNDRIES
13 ft.

X125
West
1/8-1/4
0.215 mi.
1136 ft.
NEILL AIRCRAFT CO.
1227 W COWLES ST
LONG BEACH, CA
Site 1 of 7 in cluster X

CA UST **U003660595**
N/A

Relative: LONG BEACH UST:
Lower DATA AS OF 02/25/2014:
Region: LONG BEACH
Tanks: OT
Tank Test: Not reported
Leak Test: Not reported
Tank Status: Not reported

X126
West
1/8-1/4
0.219 mi.
1157 ft.
JERRY & KATHLEEN GLIKESMAN
1234 COWLES ST
LONG BEACH, CA 90808
Site 2 of 7 in cluster X

CA FID UST **S101587013**
CA SWEEPS UST **N/A**

Relative: CA FID UST:
Lower Facility ID: 19054707
Regulated By: UTNKI
Actual: Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 3109440263
Mail To: Not reported
Mailing Address: 87 DAPPLE GRAY
Mailing Address 2: Not reported
Mailing City,St,Zip: LONG BEACH 90808
Contact: Not reported
Contact Phone: Not reported
DUNS Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Inactive

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

JERRY & KATHLEEN GLIKESMAN (Continued)

S101587013

SWEEPS UST:

Status: Not reported
Comp Number: 54445
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-060-054445-000001
Tank Status: Not reported
Capacity: 1000
Active Date: Not reported
Tank Use: UNKNOWN
STG: PRODUCT
Content: Not reported
Number Of Tanks: 1

X127
West
1/8-1/4
0.219 mi.
1157 ft.

SPEEDY FUEL, INC.
1234 COWLES ST W
LONG BEACH, CA 90813

Site 3 of 7 in cluster X

CA LUST **S104406362**
N/A

Relative:
Lower

LUST:

Actual:
13 ft.

Region: STATE
Global Id: T0603701973
Latitude: 33.7845427
Longitude: -118.2081905
Case Type: LUST Cleanup Site
Status: Open - Eligible for Closure
Status Date: 07/15/2014
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Worker: JH
Local Agency: LOS ANGELES COUNTY
RB Case Number: 908130625
LOC Case Number: Not reported
File Location: Regional Board
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id: T0603701973
Contact Type: Regional Board Caseworker
Contact Name: JAY HUANG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 WEST 4TH STREET, SUITE 200
City: LOS ANGELES
Email: jhuang@waterboards.ca.gov
Phone Number: 2135766711

Global Id: T0603701973
Contact Type: Local Agency Caseworker
Contact Name: CARMEN PIRO
Organization Name: LONG BEACH, CITY OF

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SPEEDY FUEL, INC. (Continued)

S104406362

Address: 2525 GRAND AVE.
City: LONG BEACH
Email: carmen.piro@longbeach.gov
Phone Number: 5625704137

Status History:

Global Id: T0603701973
Status: Open - Verification Monitoring
Status Date: 01/07/2000

Global Id: T0603701973
Status: Open - Eligible for Closure
Status Date: 07/15/2014

Global Id: T0603701973
Status: Open - Case Begin Date
Status Date: 10/20/1999

Global Id: T0603701973
Status: Open - Site Assessment
Status Date: 03/07/2000

Global Id: T0603701973
Status: Open - Site Assessment
Status Date: 03/27/2000

Global Id: T0603701973
Status: Open - Site Assessment
Status Date: 09/25/2000

Regulatory Activities:

Global Id: T0603701973
Action Type: ENFORCEMENT
Date: 03/12/2014
Action: Health and Safety Code Section 25296.10(c)

Global Id: T0603701973
Action Type: RESPONSE
Date: 06/05/2014
Action: Request for Closure - Regulator Responded

Global Id: T0603701973
Action Type: Other
Date: 10/20/1999
Action: Leak Discovery

Global Id: T0603701973
Action Type: ENFORCEMENT
Date: 01/04/2012
Action: Staff Letter

Global Id: T0603701973
Action Type: ENFORCEMENT
Date: 03/05/2012
Action: Staff Letter

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SPEEDY FUEL, INC. (Continued)

S104406362

Global Id:	T0603701973
Action Type:	Other
Date:	01/07/2000
Action:	Leak Reported
Global Id:	T0603701973
Action Type:	ENFORCEMENT
Date:	09/16/2008
Action:	Notice to Comply
Global Id:	T0603701973
Action Type:	ENFORCEMENT
Date:	03/20/2009
Action:	Staff Letter
Global Id:	T0603701973
Action Type:	RESPONSE
Date:	05/15/2014
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603701973
Action Type:	ENFORCEMENT
Date:	06/15/2009
Action:	Staff Letter
Global Id:	T0603701973
Action Type:	ENFORCEMENT
Date:	06/24/2002
Action:	Staff Letter
Global Id:	T0603701973
Action Type:	ENFORCEMENT
Date:	03/20/2000
Action:	Staff Letter
Global Id:	T0603701973
Action Type:	ENFORCEMENT
Date:	07/15/2014
Action:	Notification - Preclosure

LUST REG 4:

Region:	4
Regional Board:	04
County:	Los Angeles
Facility Id:	908130625
Status:	Pollution Characterization
Substance:	Gasoline
Substance Quantity:	Not reported
Local Case No:	Not reported
Case Type:	Groundwater
Abatement Method Used at the Site:	Not reported
Global ID:	T0603701973
W Global ID:	Not reported
Staff:	HDN
Local Agency:	19060
Cross Street:	FASHION AVE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SPEEDY FUEL, INC. (Continued)

S104406362

Enforcement Type: LET
Date Leak Discovered: 10/20/1999
Date Leak First Reported: 1/7/2000
Date Leak Record Entered: Not reported
Date Confirmation Began: Not reported
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 9/21/2000
Date the Case was Closed: Not reported
How Leak Discovered: Subsurface Monitoring
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Operator: AFCO
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 17074.068521083465866539564425
Source of Cleanup Funding: UNK
Preliminary Site Assessment Workplan Submitted: 3/7/2000
Preliminary Site Assessment Began: 3/27/2000
Pollution Characterization Began: 9/25/2000
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: 1/7/2000
Enforcement Action Date: Not reported
Historical Max MTBE Date: 1/1/1965
Hist Max MTBE Conc in Groundwater: 290
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: CHERYL A. MADDEN
RP Address: 2251 OHIO AVE.
Program: LUST
Lat/Long: 33.7845427 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: 3/3/00 LIMITED SUBSURFACE INVESTIGATION; 3/22/00 ADD'L SOIL & GW INVESTIGATION

X128 **MICOR LONG BEACH LLC**
West **1234 W COWLES ST**
1/8-1/4 **LONG BEACH, CA 90813**
0.220 mi.
1159 ft. **Site 4 of 7 in cluster X**

CA UST **U003779459**
N/A

Relative: UST:
Lower Facility ID: 19-060-3147
Permitting Agency: LONG BEACH, CITY OF
Actual: Latitude: 33.7858296
13 ft. Longitude: -118.2068323

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MICOR LONG BEACH LLC (Continued)

U003779459

LONG BEACH UST:

DATA AS OF 02/25/2014:

Region:	LONG BEACH
Tanks:	5F
Tank Test:	Dual Walled
Leak Test:	Not reported
Tank Status:	Not reported

X129
West
1/8-1/4
0.220 mi.
1159 ft.

1234 W COWLES ST
LONG BEACH, CA 90813

EDR US Hist Auto Stat 1015189711
N/A

Site 5 of 7 in cluster X

Relative:
Lower

EDR Historical Auto Stations:

Actual:
13 ft.

Name:	SPEEDY FUEL INC
Year:	2004
Address:	1234 W COWLES ST

Name:	SPEEDY FUEL INC
Year:	2005
Address:	1234 W COWLES ST

Name:	SPEEDY FUEL INC
Year:	2006
Address:	1234 W COWLES ST

Name:	DELTA AUTO SERVICE INC
Year:	2007
Address:	1234 W COWLES ST

Name:	DELTA AUTO SERVICE INC
Year:	2008
Address:	1234 W COWLES ST

Name:	SPEEDY FUEL INC
Year:	2010
Address:	1234 W COWLES ST

Name:	SPEEDY FUEL INC
Year:	2011
Address:	1234 W COWLES ST

Name:	SPEEDY FUEL INC
Year:	2012
Address:	1234 W COWLES ST

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

X130
West
1/8-1/4
0.220 mi.
1159 ft.

MICOR ENERGY LLC
1234 COWLES
LONG BEACH, CA 90808
Site 6 of 7 in cluster X

CA HIST CORTESE

S103976936
N/A

Relative:
Lower

HIST CORTESE:
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 908130625

Actual:
13 ft.

Y131
ESE
1/8-1/4
0.220 mi.
1164 ft.

0602 W ANAHEIM ST
LONG BEACH, CA
Site 1 of 8 in cluster Y

CA UST

U003919741
N/A

Relative:
Higher

LONG BEACH UST:
DATA AS OF 02/25/2014:
Region: LONG BEACH
Tanks: 0T
Tank Test: Not reported
Leak Test: Not reported
Tank Status: Not reported

Actual:
16 ft.

Y132
ESE
1/8-1/4
0.220 mi.
1164 ft.

UHL AUTO REPAIR
602 W ANAHEIM ST
LONG BEACH, CA
Site 2 of 8 in cluster Y

EDR US Hist Auto Stat

1009015645
N/A

Relative:
Higher

EDR Historical Auto Stations:
Name: KNOWLTON J P
Year: 1924
Type: SERVICE STATIONS OIL AND GAS
Name: BURNAND E G
Year: 1931
Type: GASOLINE AND OIL SERVICE STATIONS
Name: BURNAND E G
Year: 1935
Type: GASOLINE AND OIL SERVICE STATIONS
Name: BURNAND E G
Year: 1939
Type: GASOLINE AND OIL SERVICE STATIONS
Name: BURNAND E G
Year: 1939
Type: GASOLINE AND OIL SERVICE STATIONS
Name: UHL AUTO REPAIR
Year: 1957
Type: AUTOMOBILE REPAIRING
Name: UHL AUTO REPAIR

Actual:
16 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

UHL AUTO REPAIR (Continued)

1009015645

Year: 1957
Type: AUTOMOBILE REPAIRING

Name: TORN & JERRY S SERVICE
Year: 1963
Type: AUTOMOBILE REPAIRING

Z133
NNE
1/8-1/4
0.221 mi.
1166 ft.

QUAN LEE
630 W PACIFIC COAST HWY
LONG BEACH, CA

EDR US Hist Cleaners

1009143403
N/A

Site 1 of 5 in cluster Z

Relative:
Lower

EDR Historical Cleaners:

Name: QUAN LEE
Year: 1944
Type: LAUNDRIES HAND

Actual:
12 ft.

Name: QUAN LEE
Year: 1944
Type: LAUNDRIES-HAND

Name: LEW W L
Year: 1948
Type: LAUNDRIES CHINESE

Name: LEW W L
Year: 1948
Type: LAUNDRIES CHINESE

Name: QUAN LEE LAUNDRY
Year: 1952
Type: LAUNDRIES SELF SERVE

Name: QUAN LEE LAUNDRY
Year: 1957
Type: LAUNDRIES

Name: QUAN LEE LAUNDRY
Year: 1957
Type: LAUNDRIES

Name: QUAI LEE LAUNDRY
Year: 1963
Type: LAUNDRIES AND DRY CLEANING

Name: QUAI LEE LAUNDRY
Year: 1963
Type: LAUNDRIES AND DRY CLEANING

Name: LEW S CHINESE LAUNDRY & CLEANERS
Year: 1969
Type: LAUNDRIES

Name: LEW S CHINESE LAUNDRY & CLEANERS
Year: 1969
Type: LAUNDRIES

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

Z134
NNE
1/8-1/4
0.222 mi.
1174 ft.

QUAN LEE LAUNDRY
630 W PACIFIC COAST
LONG BEACH, CA

Site 2 of 5 in cluster Z

Relative:
Lower

EDR Historical Cleaners:

Name: QUAN LEE LAUNDRY
Year: 1952
Type: LAUNDRIES SELF SERVE

Actual:
12 ft.

EDR US Hist Cleaners

1009162775
N/A

R135
NE
1/8-1/4
0.222 mi.
1174 ft.

629 W ESTHER ST
LONG BEACH, CA 90813

Site 7 of 7 in cluster R

Relative:
Lower

EDR Historical Auto Stations:

Name: TRANS AUTO EXPERTS
Year: 2005
Address: 629 W ESTHER ST

Actual:
13 ft.

EDR US Hist Auto Stat

1015583101
N/A

W136
East
1/8-1/4
0.223 mi.
1175 ft.

1433 DAISY AVE
LONG BEACH, CA 90813

Site 2 of 4 in cluster W

Relative:
Higher

EDR Historical Auto Stations:

Name: J & P TRUCK BODY SHOP
Year: 2008
Address: 1433 DAISY AVE

Name: J & P TRUCK BODY SHOP
Year: 2009
Address: 1433 DAISY AVE

Name: J & P TRUCK BODY SHOP
Year: 2010
Address: 1433 DAISY AVE

Name: J & P TRUCK & AUTO BODY SHOP
Year: 2011
Address: 1433 DAISY AVE

Name: J & P TRUCK AUTO BODY CORP
Year: 2012
Address: 1433 DAISY AVE

Actual:
14 ft.

EDR US Hist Auto Stat

1015227686
N/A

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

W137 **LONG BEACH BLUEPRINT**
East **1435 DAISY AVE**
1/8-1/4 **LONG BEACH, CA**
0.223 mi.
1175 ft. **Site 3 of 4 in cluster W**

CA UST **U003660626**
 N/A

Relative:
Higher

LONG BEACH UST:
DATA AS OF 02/25/2014:

Actual:
14 ft.

Region: LONG BEACH
Tanks: 4F
Tank Test: Not reported
Leak Test: Not reported
Tank Status: Not reported

U138 **R & M ENTERPRISES**
ENE **1501 DAISY AVE**
1/8-1/4 **LONG BEACH, CA 90813**
0.223 mi.
1175 ft. **Site 4 of 6 in cluster U**

CA HIST CORTESE **S102435591**
CA LUST **N/A**

Relative:
Lower

HIST CORTESE:
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 908130243

Actual:
13 ft.

LUST:

Region: STATE
Global Id: T0603701938
Latitude: 33.7861199
Longitude: -118.199797
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 11/06/1996
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Worker: YR
Local Agency: LONG BEACH, CITY OF
RB Case Number: 908130243
LOC Case Number: Not reported
File Location: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

Contact:

Global Id: T0603701938
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

Global Id: T0603701938
Contact Type: Local Agency Caseworker
Contact Name: CARMEN PIRO

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

R & M ENTERPRISES (Continued)

S102435591

Organization Name: LONG BEACH, CITY OF
Address: 2525 GRAND AVE.
City: LONG BEACH
Email: carmen.piro@longbeach.gov
Phone Number: 5625704137

Status History:

Global Id: T0603701938
Status: Open - Case Begin Date
Status Date: 01/10/1989

Global Id: T0603701938
Status: Open - Remediation
Status Date: 06/05/1996

Global Id: T0603701938
Status: Open - Remediation
Status Date: 11/03/1996

Global Id: T0603701938
Status: Open - Site Assessment
Status Date: 06/30/1995

Global Id: T0603701938
Status: Open - Site Assessment
Status Date: 04/30/1996

Global Id: T0603701938
Status: Completed - Case Closed
Status Date: 11/06/1996

Regulatory Activities:

Global Id: T0603701938
Action Type: Other
Date: 03/11/1992
Action: Leak Discovery

Global Id: T0603701938
Action Type: Other
Date: 01/10/1989
Action: Leak Stopped

Global Id: T0603701938
Action Type: Other
Date: 07/06/1995
Action: Leak Reported

LUST REG 4:

Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 908130243
Status: Case Closed
Substance: Gasoline
Substance Quantity: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

R & M ENTERPRISES (Continued)

S102435591

Local Case No:	Not reported	
Case Type:	Groundwater	
Abatement Method Used at the Site:	Not reported	
Global ID:	T0603701938	
W Global ID:	Not reported	
Staff:	UNK	
Local Agency:	19060	
Cross Street:	015TH ST	
Enforcement Type:	Not reported	
Date Leak Discovered:	3/11/1992	
Date Leak First Reported:	7/6/1995	
Date Leak Record Entered:	6/30/1995	
Date Confirmation Began:	6/30/1995	
Date Leak Stopped:	1/10/1989	
Date Case Last Changed on Database:	4/30/1997	
Date the Case was Closed:	11/6/1996	
How Leak Discovered:	Tank Closure	
How Leak Stopped:	Not reported	
Cause of Leak:	Overfill	
Leak Source:	UNK	
Operator:	RICHARD WHITESELL	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):	15015.065590750350801097262421	
Source of Cleanup Funding:	UNK	
Preliminary Site Assessment Workplan Submitted:	4/30/1996	
Preliminary Site Assessment Began:	Not reported	
Pollution Characterization Began:	Not reported	
Remediation Plan Submitted:	6/5/1996	
Remedial Action Underway:	11/3/1996	
Post Remedial Action Monitoring Began:	Not reported	
Enforcement Action Date:	Not reported	
Historical Max MTBE Date:	Not reported	
Hist Max MTBE Conc in Groundwater:	Not reported	
Hist Max MTBE Conc in Soil:	Not reported	
Significant Interim Remedial Action Taken:	Not reported	
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	BLANK RP	
RP Address:	1501 DAISY AVE LONG BEACH CA 90813	
Program:	LUST	
Lat/Long:	33.7857706 / -1	
Local Agency Staff:	Not reported	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	
Assigned Name:	Not reported	
Summary:	DEPTH TO GRNWTR 13FT BGS. IN SOIL ABOVE WATER TABLE HAVE: 15,000 MG/KG TPH, 830 MG/KG XYLENES: IN SOIL BELOW WATER TABLE HAVE 220 TPH, 2.6 XYLENES.	

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

U139 ENE 1/8-1/4 0.223 mi. 1175 ft.	H&S IRON WORKS 1501 DAISY AVE LONG BEACH, CA Site 5 of 6 in cluster U Relative: LONG BEACH UST: Lower DATA AS OF 02/25/2014: Actual: Region: LONG BEACH 13 ft. Tanks: OT Tank Test: Not reported Leak Test: Not reported Tank Status: Not reported	CA UST	U003920390 N/A
S140 East 1/8-1/4 0.223 mi. 1179 ft.	HAMASAKI K 600 W 14TH ST LONG BEACH, CA Site 3 of 8 in cluster S Relative: EDR Historical Auto Stations: Higher Name: HAMASAKI K Year: 1939 Actual: Type: GASOLINE AND OIL SERVICE STATIONS 14 ft.	EDR US Hist Auto Stat	1009049393 N/A
S141 ESE 1/8-1/4 0.223 mi. 1179 ft.	BUCHANAN W O 1318 DAISY AV LONG BEACH, CA Site 4 of 8 in cluster S Relative: EDR Historical Auto Stations: Higher Name: BUCHANAN W O Year: 1931 Actual: Type: AUTOMOBILE REPAIRING 15 ft.	EDR US Hist Auto Stat	1009049217 N/A
S142 ESE 1/8-1/4 0.223 mi. 1180 ft.	SQUARE DEAL AUTO REPAIR SHOP 1324 DAISY AV LONG BEACH, CA Site 5 of 8 in cluster S Relative: EDR Historical Auto Stations: Higher Name: SQUARE DEAL AUTO REPAIR SHOP Year: 1924 Actual: Type: AUTOMOBILE REPAIRING 15 ft.	EDR US Hist Auto Stat	1009050102 N/A

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

X143
West
1/8-1/4
0.224 mi.
1182 ft.

GAYLORD INSPECTION LABS INC
1243 W COWLES
LONG BEACH, CA 90813
Site 7 of 7 in cluster X

RCRA NonGen / NLR
FINDS
1000290834
CAD028413250

Relative:
Lower

RCRA NonGen / NLR:

Actual:
12 ft.

Date form received by agency: 08/22/1980
Facility name: GAYLORD INSPECTION LABS INC
Facility address: 1243 W COWLES
LONG BEACH, CA 90813
EPA ID: CAD028413250
Mailing address: W COWLES
LONG BEACH, CA 90813
Contact: ENVIRONMENTAL MANAGER
Contact address: 1243 W COWLES
LONG BEACH, CA 90813
Contact country: US
Contact telephone: (213) 432-2901
Contact email: Not reported
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: JAMES L DANKS
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. Importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GAYLORD INSPECTION LABS INC (Continued)

1000290834

Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002640429

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

S144
ESE
1/8-1/4
0.224 mi.
1182 ft.

MARINE GLASS CO
1350 DAISY AVE
LONG BEACH, CA
Site 6 of 8 in cluster S

CA UST **U003660624**
N/A

Relative:
Higher

LONG BEACH UST:

DATA AS OF 02/25/2014:

Actual:
15 ft.

Region: LONG BEACH
Tanks: 0T
Tank Test: Not reported
Leak Test: Not reported
Tank Status: Not reported

W145
East
1/8-1/4
0.224 mi.
1183 ft.

1450 DAISY AVE
LONG BEACH, CA
Site 4 of 4 in cluster W

CA UST **U003919946**
N/A

Relative:
Lower

LONG BEACH UST:

DATA AS OF 02/25/2014:

Actual:
13 ft.

Region: LONG BEACH
Tanks: 0F
Tank Test: Not reported
Leak Test: Not reported
Tank Status: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

	Site	Database(s)	
U146 ENE 1/8-1/4 0.224 mi. 1184 ft.	1500 DAISY AVE LONG BEACH, CA Site 6 of 6 in cluster U	CA UST	U003919947 N/A
Relative: Lower	LONG BEACH UST: DATA AS OF 02/25/2014:		
Actual: 13 ft.	Region: LONG BEACH Tanks: 0F Tank Test: Not reported Leak Test: Not reported Tank Status: Not reported		
S147 ESE 1/8-1/4 0.224 mi. 1185 ft.	FAULDS WM 1388 DAISY AVE LONG BEACH, CA Site 7 of 8 in cluster S	EDR US Hist Auto Stat	1009016803 N/A
Relative: Higher	EDR Historical Auto Stations:		
Actual: 14 ft.	Name: FAULDS WM Year: 1935 Type: AUTOMOBILE REPAIRS Name: FAULDS WM Year: 1935 Type: AUTOMOBILE REPAIRING Name: FAULDS WM Year: 1939 Type: AUTOMOBILE REPAIRING		
S148 ESE 1/8-1/4 0.224 mi. 1185 ft.	CLEAN RITE LAUNDRY 1388 DAISY AV LONG BEACH, CA Site 8 of 8 in cluster S	EDR US Hist Cleaners	1009142480 N/A
Relative: Higher	EDR Historical Cleaners:		
Actual: 14 ft.	Name: CLEAN RITE LAUNDRY Year: 1931 Type: LAUNDRIES-STEAM Name: UNION OVERALL CLEANERS Year: 1944 Type: CLOTHES PRESSERS AND CLEANERS Name: UNION OVERALL CLEANERS Year: 1944 Type: CLOTHES PRESSERS AND CLEANERS		

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

V149
NE
1/8-1/4
0.224 mi.
1185 ft.

1645 DAISY AVE
LONG BEACH, CA

Site 3 of 6 in cluster V

CA UST U003919949
N/A

Relative:
Lower

LONG BEACH UST:

DATA AS OF 02/25/2014:

Actual:
12 ft.

Region: LONG BEACH
Tanks: 0F
Tank Test: Not reported
Leak Test: Not reported
Tank Status: Not reported

150
East
1/8-1/4
0.225 mi.
1186 ft.

NEAL FASHION
1402 DAISY AVE
LONG BEACH, CA

CA UST U003660625
N/A

Relative:
Higher

LONG BEACH UST:

DATA AS OF 02/25/2014:

Actual:
14 ft.

Region: LONG BEACH
Tanks: 0F
Tank Test: Not reported
Leak Test: Not reported
Tank Status: Not reported

T151
NE
1/8-1/4
0.226 mi.
1192 ft.

1600 DAISY AVE
LONG BEACH, CA

CA UST U003919948
N/A

Site 2 of 2 in cluster T

Relative:
Higher

LONG BEACH UST:

DATA AS OF 02/25/2014:

Actual:
14 ft.

Region: LONG BEACH
Tanks: 0F
Tank Test: Not reported
Leak Test: Not reported
Tank Status: Not reported

V152
NE
1/8-1/4
0.226 mi.
1192 ft.

R & M PLATING COMPANY
1640 DAISY STREET
LONG BEACH, CA 90813

RCRA-LQG 1012175938
FINDS CAR000197533

Site 4 of 6 in cluster V

Relative:
Lower

RCRA-LQG:

Date form received by agency: 01/06/2009

Facility name: FINE QUALITY METAL FINISHING, INC.

Facility address: 1640 DAISY AVENUE
LONG BEACH, CA 90813

EPA ID: CAR000197533

Mailing address: DAISY AVENUE

Actual:
13 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

R & M PLATING COMPANY (Continued)

1012175938

LONG BEACH, CA 90813
Contact: JOHN J ESFANDI
Contact address: DAISY AVENUE
LONG BEACH, CA 90813
Contact country: US
Contact telephone: (562) 432-2248
Contact email: JESFANDI@AOL.COM
EPA Region: 09
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name: FINE QUALITY METAL FINISHING, INC.
Owner/operator address: DAISY AVENUE
LONG BEACH, CA 90813
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 04/14/1984
Owner/Op end date: Not reported

Owner/operator name: FINE QUALITY METAL FINISHING, INC.
Owner/operator address: DAISY AVENUE
LONG BEACH, CA 90813
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 04/14/1984
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

R & M PLATING COMPANY (Continued)

1012175938

Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F006
. Waste name: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS, EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC, AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

Violation Status: No violations found

FINDS:

Registry ID: 110002631233

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Registry ID: 110055718656

Environmental Interest/Information System
STATE MASTER

CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

V153
NE
1/8-1/4
0.226 mi.
1192 ft.
R & M PLATING COMPANY
1640 DAISY STREET
LONG BEACH, CA 90813
Site 5 of 6 in cluster V

RCRA-SQG
CA HIST UST
1000122992
CAD008263733

Relative:
Lower

RCRA-SQG:

Date form received by agency: 09/01/1996
Facility name: R & M PLATING COMPANY
Facility address: 1640 DAISY STREET
LONG BEACH, CA 90813
EPA ID: CAD008263733
Contact: Not reported
Contact address: Not reported
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: R&M PLATING
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

R & M PLATING COMPANY (Continued)

1000122992

User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 08/12/1980
Site name: R & M PLATING COMPANY
Classification: Large Quantity Generator

Violation Status: No violations found

HIST UST:

Region: STATE
Facility ID: 00000017604
Facility Type: Other
Other Type: PLATING
Contact Name: OWNER
Telephone: 2134322248
Owner Name: ANITA QUINONES
Owner Address: 1640 DAISY AVE
Owner City,St,Zip: LONG BEACH, CA 90813
Total Tanks: 0001

Tank Num: 001
Container Num: 1
Year Installed: 1975
Tank Capacity: 00001800
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Visual

V154
NE
1/8-1/4
0.226 mi.
1192 ft.

FINE QUALITY METAL FINISHING, INC.
1640 DAISY AVENUE
LONG BEACH, CA 90813
Site 6 of 6 in cluster V

RCRA-LQG **1007200260**
CAL000096550

Relative:
Lower

RCRA-LQG:

Date form received by agency: 08/17/2010
Facility name: FINE QUALITY METAL FINISHING, INC.
Facility address: 1640 DAISY AVENUE
LONG BEACH, CA 90813

EPA ID: CAL000096550
Contact: JOHN ESFANDI
Contact address: 1640 DAISY AVENUE
LONG BEACH, CA 90813

Contact country: US
Contact telephone: (562) 432-2248
Contact email: Not reported
EPA Region: 09

Land type: Private
Classification: Large Quantity Generator

Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FINE QUALITY METAL FINISHING, INC. (Continued)

1007200260

residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name: FINE QUALITY METAL FINISHING, INC.
Owner/operator address: 1640 DAISY AVENUE
LONG BEACH, CA 90813
Owner/operator country: US
Owner/operator telephone: (562) 432-2248
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/1983
Owner/Op end date: Not reported

Owner/operator name: FINE QUALITY METAL FINISHING, INC.
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/01/1984
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FINE QUALITY METAL FINISHING, INC. (Continued)

1007200260

ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

- . Waste code: F006
- . Waste name: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS, EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC, AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

Historical Generators:

Date form received by agency: 02/26/2004

Site name: FINE QUALITY METAL FINISHING

Classification: Small Quantity Generator

Date form received by agency: 02/26/2004

Site name: FINE QUALITY METAL FINISHING

Classification: Large Quantity Generator

- . Waste code: D002
- . Waste name: CORROSIVE WASTE

- . Waste code: D007
- . Waste name: CHROMIUM

- . Waste code: F006
- . Waste name: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS, EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC, AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

Date form received by agency: 02/20/2002

Site name: FINE QUALITY METAL FINISHING

Classification: Large Quantity Generator

Facility Has Received Notices of Violations:

- Regulation violated: Not reported
- Area of violation: Generators - Pre-transport
- Date violation determined: 10/27/2008
- Date achieved compliance: 12/30/2008
- Violation lead agency: EPA
- Enforcement action: WRITTEN INFORMAL
- Enforcement action date: 12/08/2008
- Enf. disposition status: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FINE QUALITY METAL FINISHING, INC. (Continued)

1007200260

Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 10/27/2008
Date achieved compliance: 12/30/2008
Violation lead agency: EPA
Enforcement action: Not reported
Enforcement action date: 11/17/2008
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 05/12/2004
Date achieved compliance: 06/01/2005
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/12/2004
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 10/27/2008
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 12/30/2008
Evaluation lead agency: EPA

Evaluation date: 05/12/2004
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 06/01/2005
Evaluation lead agency: State Contractor/Grantee

Y155
ESE
1/8-1/4
0.227 mi.
1196 ft.

551 W ANAHEIM ST
LONG BEACH, CA 90813

Site 3 of 8 in cluster Y

Relative:
Higher

EDR Historical Auto Stations:

Name: FINGADO & ELDRED
Year: 1924

Actual:
16 ft.

Type: SERVICE STATIONS OIL AND GAS

EDR US Hist Auto Stat **1009015925**
N/A

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

1009015925

Name:	FINGADO & ELDRED
Year:	1931
Type:	GASOLINE AND OIL SERVICE STATIONS
Name:	FINGADO & ELDRED
Year:	1935
Type:	GASOLINE AND OIL SERVICE STATIONS
Name:	FINGADO & ELDRED
Year:	1939
Type:	GASOLINE AND OIL SERVICE STATIONS
Name:	FINGADO & ELDRED
Year:	1944
Type:	GASOLINE AND OIL SERVICE STATIONS
Name:	FINGADO S MOBIL SERVICE
Year:	1948
Type:	GASOLINE AND OIL SERVICE STATIONS
Name:	FINGADO S MOBIL SERVICE
Year:	1948
Type:	GASOLINE AND OIL SERVICE STATIONS
Name:	FINGADO S MOBIL SERVICE
Year:	1952
Type:	GASOLINE STATIONS
Name:	FINGADO S MOBIL SERVICE
Year:	1952
Type:	GASOLINE STATIONS
Name:	FINGADO S MOBIL SERVICE
Year:	1957
Type:	GASOLINE STATIONS
Name:	FINGADO S MOBIL SERVICE
Year:	1957
Type:	GASOLINE STATIONS
Name:	NICOSON & BACHMAN MOBIL SERVICE
Year:	1963
Type:	GASOLINE STATIONS
Name:	NICOSON & BACHMAN MOBIL SERVICE
Year:	1963
Type:	GASOLINE STATIONS
Name:	SMITH BROTHERS BODY SHOP & GENERAL REPAIR
Year:	1999
Address:	551 W ANAHEIM ST
Name:	SMITH BRTHR BODY SHOP & GNRL
Year:	2001
Address:	551 W ANAHEIM ST
Name:	SMITH BRTHR BODY SHOP & GNRL

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

1009015925

Year: 2002
Address: 551 W ANAHEIM ST

Name: SMITH BRTHR BODY SHOP & GNRL
Year: 2003
Address: 551 W ANAHEIM ST

Y156 FINGADO'S MOBIL SERVICE
ESE 551 W ANAHEIM
1/8-1/4 LONG BEACH, CA 90745
0.227 mi.
1196 ft. Site 4 of 8 in cluster Y

EDR US Hist Auto Stat 1008996150
N/A

Relative: EDR Historical Auto Stations:
Higher Name: FINGADO'S MOBIL SERVICE
Year: 1955
Actual: Type: Not reported
16 ft.

Y157 EXXONMOBIL OIL CORP 99LBC
ESE 551 WEST ANAHEIM ST
1/8-1/4 LONG BEACH, CA 90813
0.227 mi.
1196 ft. Site 5 of 8 in cluster Y

RCRA-LQG 1000594695
CAD983585621

Relative: RCRA-LQG:
Higher Date form received by agency: 10/11/2011
Facility name: EXXONMOBIL OIL CORP 99LBC
Actual: Facility address: 551 WEST ANAHEIM ST
16 ft. LONG BEACH, CA 90813
EPA ID: CAD983585621
Mailing address: 800 E WASHINGTON ST
EMES CO JD2 ENVIRONMENTAL
WEST CHESTER, PA 19380
Contact: DONNA HYMES
Contact address: 800 E WASHINGTON ST
WEST CHESTER, PA 19380
Contact country: US
Contact telephone: 610-430-8151
Contact email: DHYMES@JD2ENV.COM
EPA Region: 09
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:
Owner/operator name: EXXONMOBIL ENVIRONMENTAL SVCS

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EXXONMOBIL OIL CORP 99LBC (Continued)

1000594695

Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 09/09/2011
Owner/Op end date: Not reported

Owner/operator name: HENRY TUCKER
Owner/operator address: 551 W ANAHEIM ST
LONG BEACH, CA 90813
Owner/operator country: US
Owner/operator telephone: 310-599-6261
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/1989
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D018
. Waste name: BENZENE

Historical Generators:

Date form received by agency: 06/21/1991
Site name: SMITH BROS AUTO REPAIR
Classification: Not a generator, verified

Violation Status: No violations found

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

	Site	Database(s)	
Y158 ESE 1/8-1/4 0.227 mi. 1196 ft.	SMITH BROTHERS AUTO REPAIR 0551 W ANAHEIM ST LONG BEACH, CA Site 6 of 8 in cluster Y Relative: LONG BEACH UST: Higher DATA AS OF 02/25/2014: Actual: Region: LONG BEACH 16 ft. Tanks: OF Tank Test: Not reported Leak Test: Not reported Tank Status: Not reported	CA UST	U003660141 N/A
AA159 NE 1/8-1/4 0.227 mi. 1199 ft.	623 W ESTHER ST LONG BEACH, CA 90813 Site 1 of 3 in cluster AA Relative: EDR Historical Auto Stations: Lower Name: TRANS AUTO XPRESS Year: 2010 Actual: Address: 623 W ESTHER ST 13 ft.	EDR US Hist Auto Stat	1015581204 N/A
AA160 NE 1/8-1/4 0.229 mi. 1208 ft.	621 W ESTHER ST LONG BEACH, CA 90813 Site 2 of 3 in cluster AA Relative: EDR Historical Auto Stations: Lower Name: TRANS AUTO XPRESS Year: 2005 Actual: Address: 621 W ESTHER ST 13 ft. Name: TRANS AUTO XPRESS Year: 2006 Address: 621 W ESTHER ST Name: TRANS AUTO XPRESS Year: 2008 Address: 621 W ESTHER ST Name: TRANS AUTO XPRESS Year: 2009 Address: 621 W ESTHER ST	EDR US Hist Auto Stat	1015580331 N/A

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

	Site	Database(s)	
Y161 SE 1/8-1/4 0.234 mi. 1235 ft.	FIRE STATION 3 1222 DAISY AVE LONG BEACH, CA Site 7 of 8 in cluster Y Relative: LONG BEACH UST: Higher DATA AS OF 02/25/2014: Actual: Region: LONG BEACH 23 ft. Tanks: OT Tank Test: Not reported Leak Test: Not reported Tank Status: Not reported	CA UST	U003660623 N/A
AB162 WNW 1/8-1/4 0.234 mi. 1238 ft.	NEILL AIRCRAFT INC 1260 W 15TH ST LONG BEACH, CA Site 1 of 2 in cluster AB Relative: LONG BEACH UST: Lower DATA AS OF 02/25/2014: Actual: Region: LONG BEACH 10 ft. Tanks: OT Tank Test: Not reported Leak Test: Not reported Tank Status: Not reported	CA UST	U003659985 N/A
AB163 WNW 1/8-1/4 0.234 mi. 1238 ft.	NEILL AIRCRAFT COMPANY 1260 W 15TH STREET LONG BEACH, CA 90813 Site 2 of 2 in cluster AB Relative: RCRA-SQG: Lower Date form received by agency: 09/01/1996 Facility name: NEILL AIRCRAFT COMPANY Actual: Facility address: 1260 W 15TH STREET 10 ft. LONG BEACH, CA 90813 EPA ID: CAD982462657 Contact: Not reported Contact address: Not reported Contact country: US Contact telephone: Not reported Contact email: Not reported EPA Region: 09 Land type: Facility is not located on Indian land. Additional information is not known. Classification: Small Small Quantity Generator Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time Owner/Operator Summary: Owner/operator name: RAYMOND A NEILL	RCRA-SQG FINDS CA LUST	1000287667 CAD982462657

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NEILL AIRCRAFT COMPANY (Continued)

1000287667

Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 12/31/1988
Site name: NEILL AIRCRAFT COMPANY
Classification: Large Quantity Generator

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 03/09/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State Contractor/Grantee

FINDS:

Registry ID: 110002816356

Environmental Interest/Information System
California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NEILL AIRCRAFT COMPANY (Continued)

1000287667

provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

LUST:

Region: STATE
Global Id: T0603701965
Latitude: 33.7854407
Longitude: -118.2084165
Case Type: LUST Cleanup Site
Status: Open - Eligible for Closure
Status Date: 10/14/2014
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Worker: JH
Local Agency: LONG BEACH, CITY OF
RB Case Number: 908130543
LOC Case Number: Not reported
File Location: Regional Board
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

Contact:

Global Id: T0603701965
Contact Type: Local Agency Caseworker
Contact Name: CARMEN PIRO
Organization Name: LONG BEACH, CITY OF
Address: 2525 GRAND AVE.
City: LONG BEACH
Email: carmen.piro@longbeach.gov
Phone Number: 5625704137

Global Id: T0603701965
Contact Type: Regional Board Caseworker
Contact Name: JAY HUANG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 WEST 4TH STREET, SUITE 200
City: LOS ANGELES
Email: jhuang@waterboards.ca.gov
Phone Number: 2135766711

Status History:

Global Id: T0603701965
Status: Open - Site Assessment
Status Date: 12/01/2012

Global Id: T0603701965

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NEILL AIRCRAFT COMPANY (Continued)

1000287667

Status: Open - Verification Monitoring
Status Date: 07/18/1997

Global Id: T0603701965
Status: Open - Eligible for Closure
Status Date: 10/14/2014

Global Id: T0603701965
Status: Open - Case Begin Date
Status Date: 01/01/1988

Global Id: T0603701965
Status: Open - Remediation
Status Date: 05/10/2013

Global Id: T0603701965
Status: Open - Site Assessment
Status Date: 07/18/1997

Global Id: T0603701965
Status: Open - Site Assessment
Status Date: 10/14/1997

Global Id: T0603701965
Status: Open - Site Assessment
Status Date: 12/19/1997

Global Id: T0603701965
Status: Open - Site Assessment
Status Date: 07/29/1998

Regulatory Activities:

Global Id: T0603701965
Action Type: RESPONSE
Date: 01/15/2013
Action: CAP/RAP - Final Remediation / Design Plan - Regulator Responded

Global Id: T0603701965
Action Type: RESPONSE
Date: 11/15/2013
Action: Request for Closure - Regulator Responded

Global Id: T0603701965
Action Type: Other
Date: 01/01/1988
Action: Leak Discovery

Global Id: T0603701965
Action Type: REMEDIATION
Date: 08/14/2014
Action: Excavation

Global Id: T0603701965
Action Type: RESPONSE
Date: 07/02/2012
Action: Soil and Water Investigation Report

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NEILL AIRCRAFT COMPANY (Continued)

1000287667

Global Id: T0603701965
Action Type: ENFORCEMENT
Date: 04/06/2012
Action: Health and Safety Code Section 25296.10(c)

Global Id: T0603701965
Action Type: Other
Date: 07/18/1997
Action: Leak Reported

Global Id: T0603701965
Action Type: ENFORCEMENT
Date: 03/20/2001
Action: Staff Letter

Global Id: T0603701965
Action Type: ENFORCEMENT
Date: 11/30/2012
Action: Staff Letter

Global Id: T0603701965
Action Type: ENFORCEMENT
Date: 09/16/2008
Action: Notice to Comply

Global Id: T0603701965
Action Type: ENFORCEMENT
Date: 03/11/2009
Action: Staff Letter

Global Id: T0603701965
Action Type: ENFORCEMENT
Date: 05/10/2013
Action: Staff Letter

Global Id: T0603701965
Action Type: RESPONSE
Date: 07/15/2012
Action: Monitoring Report - Semi-Annually

Global Id: T0603701965
Action Type: RESPONSE
Date: 11/15/2013
Action: Site Assessment Report

Global Id: T0603701965
Action Type: RESPONSE
Date: 07/15/2013
Action: Monitoring Report - Quarterly

Global Id: T0603701965
Action Type: ENFORCEMENT
Date: 06/15/2009
Action: Staff Letter

Global Id: T0603701965
Action Type: ENFORCEMENT

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NEILL AIRCRAFT COMPANY (Continued)

1000287667

Date: 01/24/2014
Action: Staff Letter

Global Id: T0603701965
Action Type: RESPONSE
Date: 07/02/2012
Action: Soil and Water Investigation Report

Global Id: T0603701965
Action Type: RESPONSE
Date: 02/06/2015
Action: Well Destruction Report

Global Id: T0603701965
Action Type: RESPONSE
Date: 04/15/2014
Action: Monitoring Report - Semi-Annually

Global Id: T0603701965
Action Type: ENFORCEMENT
Date: 06/24/2002
Action: Staff Letter

Global Id: T0603701965
Action Type: ENFORCEMENT
Date: 10/14/2014
Action: Notification - Preclosure

Global Id: T0603701965
Action Type: RESPONSE
Date: 05/15/2009
Action: Other Report / Document

LUST REG 4:

Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 908130543
Status: Pollution Characterization
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater
Abatement Method Used at the Site: Not reported
Global ID: T0603701965
W Global ID: Not reported
Staff: HDN
Local Agency: 19060
Cross Street: 710 FWY
Enforcement Type: LET
Date Leak Discovered: 1/1/1988
Date Leak First Reported: 7/18/1997
Date Leak Record Entered: 4/24/1998
Date Confirmation Began: 7/18/1997
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 11/27/2000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NEILL AIRCRAFT COMPANY (Continued)

1000287667

Date the Case was Closed: Not reported
How Leak Discovered: Tank Closure
How Leak Stopped: Not reported
Cause of Leak: Not reported
Leak Source: Not reported
Operator: Not reported
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 16828.558327902106321695975613
Source of Cleanup Funding: Not reported
Preliminary Site Assessment Workplan Submitted: 10/14/1997
Preliminary Site Assessment Began: 12/19/1997
Pollution Characterization Began: 7/29/1998
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: 7/18/1997
Enforcement Action Date: 3/20/2001
Historical Max MTBE Date: 1/1/1965
Hist Max MTBE Conc in Groundwater: 110
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: NEILL RAY
RP Address: 2525 GRAND AVE.
Program: LUST
Lat/Long: 33.7854407 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: 10/14/97 - WP FOR ADDITIONAL SOIL INVESTIGATION; 03/02/98 - SITE INVESTIGATION REPORT; 06/19/98 - WP SOIL & GW INVESTIGATION WP; 07/16/98 - WP ADDENDUM-ADDL SOIL INVESTIGATION; 11/27/00 GW INVESTIGATION WP

AC164
NW
1/8-1/4
0.238 mi.
1258 ft.
BT EQUIPMENT CO
1255 W 17TH ST
LONG BEACH, CA 90813
Site 1 of 7 in cluster AC

CA NPDES
CA HIST UST
U001566291
N/A

Relative:
Lower
Actual:
12 ft.
NPDES:
Npdes Number: Not reported
Facility Status: Not reported
Agency Id: Not reported
Region: 4
Regulatory Measure Id: 189416
Order No: Not reported
Regulatory Measure Type: Industrial
Place Id: Not reported
WDID: 4 19I004736
Program Type: Not reported
Adoption Date Of Regulatory Measure: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BT EQUIPMENT CO (Continued)

U001566291

Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
RECEIVED DATE:	05/09/2008
PROCESSED DATE:	04/07/1992
STATUS CODE NAME:	Active
STATUS DATE:	04/07/1992
PLACE SIZE:	25000
PLACE SIZE UNIT:	SqFt
FACILITY CONTACT NAME:	Dale Seymour
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	562-437-0471
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	dale@thebernscompany.com
OPERATOR NAME:	BT Equipment Co
OPERATOR ADDRESS:	1250 W 17th St
OPERATOR CITY:	Long Beach
OPERATOR STATE:	California
OPERATOR ZIP:	90813
OPERATOR CONTACT NAME:	Steve Berns
OPERATOR CONTACT TITLE:	President
OPERATOR CONTACT PHONE:	562-437-0471
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	steve@thebernscompany.com
OPERATOR TYPE:	Private Business
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	California
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	562-437-0471
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESCRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BT EQUIPMENT CO (Continued)

U001566291

RECEIVING WATER NAME: Los Angeles River
CERTIFIER NAME: STEVEN BERNIS
CERTIFIER TITLE: Not reported
CERTIFICATION DATE: 07-DEC-11
PRIMARY SIC: 3537-Industrial Trucks, Tractors, Trailers, and Stackers
SECONDARY SIC: Not reported
TERTIARY SIC: Not reported

Npdes Number: CAS000001
Facility Status: Active
Agency Id: 0
Region: 4
Regulatory Measure Id: 189416
Order No: 97-03-DWQ
Regulatory Measure Type: Enrollee
Place Id: Not reported
WDID: 4 19I004736
Program Type: Industrial
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: 04/07/1992
Expiration Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported
Discharge Name: BT Equipment Co
Discharge Address: 1250 W 17th St
Discharge City: Long Beach
Discharge State: California
Discharge Zip: 90813
RECEIVED DATE: Not reported
PROCESSED DATE: Not reported
STATUS CODE NAME: Not reported
STATUS DATE: Not reported
PLACE SIZE: Not reported
PLACE SIZE UNIT: Not reported
FACILITY CONTACT NAME: Not reported
FACILITY CONTACT TITLE: Not reported
FACILITY CONTACT PHONE: Not reported
FACILITY CONTACT PHONE EXT: Not reported
FACILITY CONTACT EMAIL: Not reported
OPERATOR NAME: Not reported
OPERATOR ADDRESS: Not reported
OPERATOR CITY: Not reported
OPERATOR STATE: Not reported
OPERATOR ZIP: Not reported
OPERATOR CONTACT NAME: Not reported
OPERATOR CONTACT TITLE: Not reported
OPERATOR CONTACT PHONE: Not reported
OPERATOR CONTACT PHONE EXT: Not reported
OPERATOR CONTACT EMAIL: Not reported
OPERATOR TYPE: Not reported
DEVELOPER NAME: Not reported
DEVELOPER ADDRESS: Not reported
DEVELOPER CITY: Not reported
DEVELOPER STATE: Not reported
DEVELOPER ZIP: Not reported
DEVELOPER CONTACT NAME: Not reported
DEVELOPER CONTACT TITLE: Not reported
CONSTYPE LINEAR UTILITY IND: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BT EQUIPMENT CO (Continued)

U001566291

EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported

HIST UST:

Region:	STATE
Facility ID:	00000033974
Facility Type:	Other
Other Type:	GARAGE
Contact Name:	DAN BERNS
Telephone:	2134370471
Owner Name:	B.T. EQUIPMENT CO. INC.
Owner Address:	1255 W. 17TH ST.
Owner City,St,Zip:	LONG BEACH, CA 90813
Total Tanks:	0004

Tank Num:	001
Container Num:	1
Year Installed:	Not reported
Tank Capacity:	00000000
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	None

Tank Num:	002
Container Num:	101
Year Installed:	Not reported
Tank Capacity:	00000500
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported
Leak Detection:	None

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BT EQUIPMENT CO (Continued)

U001566291

Tank Num: 003
Container Num: 102
Year Installed: Not reported
Tank Capacity: 00000500
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 004
Container Num: 103
Year Installed: Not reported
Tank Capacity: 00000500
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Container Construction Thickness: Not reported
Leak Detection: None

**AC165
NW
1/8-1/4
0.238 mi.
1258 ft.**

**BERNS CO
1255 W 17TH ST
LONG BEACH, CA**

CA UST

**U003660020
N/A**

Site 2 of 7 in cluster AC

**Relative:
Lower**

LONG BEACH UST:

DATA AS OF 02/25/2014:

**Actual:
12 ft.**

Region: LONG BEACH
Tanks: 0T
Tank Test: Not reported
Leak Test: Not reported
Tank Status: Not reported

**AC166
NW
1/8-1/4
0.240 mi.
1267 ft.**

**B-T EQUIPMENT CO INC
1259 W 17TH ST
LONG BEACH, CA 90813**

**RCRA-SQG
FINDS**

**1000112862
CAD000036558**

Site 3 of 7 in cluster AC

**Relative:
Lower**

RCRA-SQG:

Date form received by agency: 09/01/1996

Facility name: B-T EQUIPMENT CO INC

Facility address: 1259 W 17TH ST
LONG BEACH, CA 90813

EPA ID: CAD000036558

Contact: Not reported

Contact address: Not reported

Contact address: Not reported

Contact country: US

Contact telephone: Not reported

Contact email: Not reported

EPA Region: 09

Land type: Facility is not located on Indian land. Additional information is not known.

Classification: Small Small Quantity Generator

Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

B-T EQUIPMENT CO INC (Continued)

1000112862

waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: BERNs BROS INC.
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 06/30/1980
Site name: B-T EQUIPMENT CO INC
Classification: Large Quantity Generator

Facility Has Received Notices of Violations:

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 05/13/1988
Date achieved compliance: 01/01/1989
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

B-T EQUIPMENT CO INC (Continued)

1000112862

Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 05/13/1988
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/13/1988
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 01/01/1989
Evaluation lead agency: State

FINDS:

Registry ID: 110002626123

Environmental Interest/Information System

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

**AD167
NW
1/8-1/4
0.240 mi.
1267 ft.**

**ORGANIC COMPOUNDS INC
1265 W 16TH ST
LONG BEACH, CA 90813**

**CERC-NFRAP 1003878280
CAD008365041**

Site 1 of 4 in cluster AD

**Relative:
Lower**

CERC-NFRAP:
Site ID: 0901085
Federal Facility: Not a Federal Facility
NPL Status: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

**Actual:
11 ft.**

CERCLIS-NFRAP Site Contact Details:

Contact Sequence ID: 13290602.00000
Person ID: 13003854.00000

Contact Sequence ID: 13296197.00000
Person ID: 13003858.00000

Contact Sequence ID: 13302055.00000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ORGANIC COMPOUNDS INC (Continued)

1003878280

Person ID: 13004003.00000

CERCLIS-NFRAP Assessment History:

Action: PRELIMINARY ASSESSMENT
Date Started: 09/01/85
Date Completed: 06/01/86
Priority Level: NFRAP-Site does not qualify for the NPL based on existing information

Action: ARCHIVE SITE
Date Started: / /
Date Completed: 06/01/86
Priority Level: Not reported

Action: DISCOVERY
Date Started: / /
Date Completed: 11/01/85
Priority Level: Not reported

AD168
NW
1/8-1/4
0.240 mi.
1267 ft.
ORGANIC COMPOUNDS INC
1265 W 16TH ST
LONG BEACH, CA
Site 2 of 4 in cluster AD

CA UST **U003660001**
N/A

Relative: LONG BEACH UST:
Lower

Actual: DATA AS OF 02/25/2014:
11 ft. Region: LONG BEACH
Tanks: 3F
Tank Test: Not reported
Leak Test: Not reported
Tank Status: Not reported

AD169
NW
1/8-1/4
0.240 mi.
1267 ft.
SNEED JOHN J
1265 W 16TH ST
LONG BEACH, CA
Site 3 of 4 in cluster AD

EDR US Hist Auto Stat **1009018188**
N/A

Relative: EDR Historical Auto Stations:
Lower Name: SNEED JOHN J
Year: 1963
Actual: Type: AUTOMOBILE REPAIRING
11 ft.

AA170
NE
1/8-1/4
0.242 mi.
1279 ft.
1745 DAISY AVE
LONG BEACH, CA 90813
Site 3 of 3 in cluster AA

EDR US Hist Auto Stat **1015272297**
N/A

Relative: EDR Historical Auto Stations:
Lower Name: PR AUTO BODY SHOP
Year: 2003
Actual: Address: 1745 DAISY AVE
13 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

1015272297

Name: PR AUTO BODY SHOP
Year: 2004
Address: 1745 DAISY AVE

Name: BEST AUTO BODY & REPAIR
Year: 2005
Address: 1745 DAISY AVE

Name: PR AUTO BODY SHOP
Year: 2008
Address: 1745 DAISY AVE

Name: WEST BODY SHOP
Year: 2010
Address: 1745 DAISY AVE

AC171 D & S LAUNDERALL SERVICE
NW 1265 W 17TH ST
1/8-1/4 LONG BEACH, CA
0.242 mi.
1280 ft. Site 4 of 7 in cluster AC

EDR US Hist Cleaners 1009143218
N/A

Relative: EDR Historical Cleaners:
Lower Name: D & S LAUNDERALL SERVICE
Year: 1952
Actual: Type: LAUNDRIES SELF SERVE
12 ft.

Name: D & S LAUNDERALL SERVICE
Year: 1952
Type: LAUNDRIES SELF SERVE

Z172 ZIMMERMAN S.
NNE 600 W PACIFIC COAST HIGHWAY I
1/8-1/4 LONG BEACH, CA
0.246 mi.
1297 ft. Site 3 of 5 in cluster Z

EDR US Hist Auto Stat 1009050364
N/A

Relative: EDR Historical Auto Stations:
Lower Name: ZIMMERMAN S.
Year: 1952
Actual: Type: GASOLINE STATIONS
12 ft.

Z173 ZIMMERMAN S.
NNE 600 W PACIFIC COAST HWY?I
1/8-1/4 LONG BEACH, CA
0.246 mi.
1297 ft. Site 4 of 5 in cluster Z

EDR US Hist Auto Stat 1009016497
N/A

Relative: EDR Historical Auto Stations:
Lower Name: ZIMMERMAN S.
Year: 1952
Actual: Type: GASOLINE STATIONS
12 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

Z174
NNE
1/8-1/4
0.246 mi.
1297 ft.

GULF OIL SERVICE STATIONS
600 W PAC COAST HIGHWAY
LONG BEACH, CA 90745

EDR US Hist Auto Stat

1008994236
N/A

Site 5 of 5 in cluster Z

Relative:
Lower

EDR Historical Auto Stations:

Name: GULF OIL SERVICE STATIONS
Year: 1976
Type: Not reported

Actual:
12 ft.

175
South
1/8-1/4
0.248 mi.
1309 ft.

1020 DE FOREST AVE
LONG BEACH, CA

CA UST

U003919952
N/A

Relative:
Lower

LONG BEACH UST:

DATA AS OF 02/25/2014:

Region: LONG BEACH
Tanks: OT
Tank Test: Not reported
Leak Test: Not reported
Tank Status: Not reported

Actual:
13 ft.

AC176
NW
1/4-1/2
0.259 mi.
1367 ft.

MCMULLEN OIL CO.
1651 FASHION AVE.
LONG BEACH, CA 90813

CA LUST

S109284086
N/A

Site 5 of 7 in cluster AC

Relative:
Lower

LUST:

Region: STATE
Global Id: T0603701931
Latitude: 33.7873227
Longitude: -118.2088426
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 08/06/2004
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Worker: NB
Local Agency: LONG BEACH, CITY OF
RB Case Number: 908130189
LOC Case Number: Not reported
File Location: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

Actual:
12 ft.

[Click here to access the California GeoTracker records for this facility:](#)

Contact:

Global Id: T0603701931
Contact Type: Local Agency Caseworker
Contact Name: CARMEN PIRO
Organization Name: LONG BEACH, CITY OF
Address: 2525 GRAND AVE.
City: LONG BEACH

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MCMULLEN OIL CO. (Continued)

S109284086

Email: carmen.piro@longbeach.gov
Phone Number: 5625704137

Global Id: T0603701931
Contact Type: Regional Board Caseworker
Contact Name: NHAN BAO
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 WEST 4TH STREET, SUITE 200
City: LOS ANGELES
Email: nbao@waterboards.ca.gov
Phone Number: 2135766703

Status History:

Global Id: T0603701931
Status: Completed - Case Closed
Status Date: 08/06/2004

Global Id: T0603701931
Status: Open - Case Begin Date
Status Date: 04/26/1985

Global Id: T0603701931
Status: Open - Site Assessment
Status Date: 04/18/2002

Global Id: T0603701931
Status: Open - Site Assessment
Status Date: 02/27/2004

Regulatory Activities:

Global Id: T0603701931
Action Type: ENFORCEMENT
Date: 04/02/2004
Action: Staff Letter

Global Id: T0603701931
Action Type: ENFORCEMENT
Date: 08/06/2004
Action: Site Visit / Inspection / Sampling

Global Id: T0603701931
Action Type: ENFORCEMENT
Date: 08/06/2004
Action: Closure/No Further Action Letter

Global Id: T0603701931
Action Type: RESPONSE
Date: 07/15/2003
Action: Monitoring Report - Quarterly

Global Id: T0603701931
Action Type: RESPONSE
Date: 07/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0603701931

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MCMULLEN OIL CO. (Continued)

S109284086

Action Type:	RESPONSE
Date:	01/15/2004
Action:	Monitoring Report - Quarterly
Global Id:	T0603701931
Action Type:	REMEDIATION
Date:	04/17/1998
Action:	Excavation
Global Id:	T0603701931
Action Type:	Other
Date:	04/26/1985
Action:	Leak Reported
Global Id:	T0603701931
Action Type:	ENFORCEMENT
Date:	09/04/2002
Action:	Staff Letter
Global Id:	T0603701931
Action Type:	RESPONSE
Date:	10/15/2003
Action:	Monitoring Report - Quarterly
Global Id:	T0603701931
Action Type:	RESPONSE
Date:	04/15/2004
Action:	Monitoring Report - Quarterly
Global Id:	T0603701931
Action Type:	ENFORCEMENT
Date:	09/29/2000
Action:	13267 Requirement
Global Id:	T0603701931
Action Type:	RESPONSE
Date:	05/15/2002
Action:	Preliminary Site Assessment Workplan
Global Id:	T0603701931
Action Type:	RESPONSE
Date:	12/02/2002
Action:	Preliminary Site Assessment Report
Global Id:	T0603701931
Action Type:	RESPONSE
Date:	04/15/2003
Action:	Monitoring Report - Quarterly

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AC177 **ACME OIL CO (MCMULLEN OIL)**
NW **1651 FASHION AVE.**
1/4-1/2 **LONG BEACH, CA 90813**
0.259 mi.
1367 ft. **Site 6 of 7 in cluster AC**

CA LUST **S105692352**
N/A

Relative:
Lower

LUST REG 4:

Actual:
12 ft.

Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 908130189
Status: Preliminary site assessment underway
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater
Abatement Method Used at the Site: Not reported
Global ID: T0603701931
W Global ID: Not reported
Staff: HSP
Local Agency: 19060
Cross Street: PCH
Enforcement Type: DLSEL
Date Leak Discovered: Not reported
Date Leak First Reported: 4/26/1985
Date Leak Record Entered: 6/17/1988
Date Confirmation Began: Not reported
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 7/9/2002
Date the Case was Closed: Not reported
How Leak Discovered: Not reported
How Leak Stopped: Not reported
Cause of Leak: Not reported
Leak Source: Not reported
Operator: Not reported
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 16162.194814768244664684985167
Source of Cleanup Funding: Not reported
Preliminary Site Assessment Workplan Submitted: 7/18/2002
Preliminary Site Assessment Began: 2/27/2004
Pollution Characterization Began: 4/10/1985
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: 9/29/2000
Historical Max MTBE Date: 5/4/2004
Hist Max MTBE Conc in Groundwater: 374
Hist Max MTBE Conc in Soil: 0
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: =
Soil Qualifier: ND
Organization: Not reported
Owner Contact: Not reported
Responsible Party: MR. EDWARD REYNOLDS
RP Address: PO BOX 3149
Program: LUST
Lat/Long: 33.7873227 / -1
Local Agency Staff: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ACME OIL CO (MCMULLEN OIL) (Continued)

S105692352

Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: Not reported

Y178
ESE
1/4-1/2
0.260 mi.
1374 ft.
EXXONMOBIL 99LBC
551 WEST ANAHEIM STREET
LONG BEACH, CA 90813
Site 8 of 8 in cluster Y

CA LUST **S112273485**
N/A

Relative:
Higher

LUST:

Actual:
19 ft.

Region: STATE
Global Id: T10000004446
Latitude: 33.782924
Longitude: -118.199158
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 01/03/2013
Lead Agency: LONG BEACH, CITY OF
Case Worker: CP
Local Agency: LONG BEACH, CITY OF
RB Case Number: Not reported
LOC Case Number: PR0020980
File Location: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline, Waste Oil / Motor / Hydraulic / Lubricating
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

Contact:

Global Id: T10000004446
Contact Type: Local Agency Caseworker
Contact Name: CARMEN PIRO
Organization Name: LONG BEACH, CITY OF
Address: 2525 GRAND AVE.
City: LONG BEACH
Email: carmen.piro@longbeach.gov
Phone Number: 5625704137

Status History:

Global Id: T10000004446
Status: Completed - Case Closed
Status Date: 01/03/2013

Global Id: T10000004446
Status: Open - Assessment & Interim Remedial Action
Status Date: 11/16/2012

Global Id: T10000004446
Status: Open - Case Begin Date
Status Date: 10/12/2010

Regulatory Activities:

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EXXONMOBIL 99LBC (Continued)

S112273485

Global Id: T10000004446
Action Type: Other
Date: 10/12/2010
Action: Leak Discovery

Global Id: T10000004446
Action Type: Other
Date: 10/24/2012
Action: Leak Stopped

Global Id: T10000004446
Action Type: Other
Date: 03/13/2012
Action: Leak Reported

Global Id: T10000004446
Action Type: ENFORCEMENT
Date: 01/03/2013
Action: Closure/No Further Action Letter

AD179 NW
1/4-1/2
0.274 mi.
1447 ft.
ACME OIL CO (MCMULLEN OIL
1305 016TH
LONG BEACH, CA 90813
Site 4 of 4 in cluster AD

CA HIST CORTESE **S104159966**
N/A

Relative: HIST CORTESE:
Lower Region: CORTESE
Facility County Code: 19
Actual: Reg By: LTNKA
12 ft. Reg Id: 908130189

AC180 NW
1/4-1/2
0.281 mi.
1485 ft.
HYDRO SERVICES CO
1322 17TH ST
LONG BEACH, CA 90813
Site 7 of 7 in cluster AC

RCRA-SQG **1000366351**
FINDS **CAD982025496**
CA HIST CORTESE
CA UST

Relative: RCRA-SQG:
Lower Date form received by agency: 08/17/1987
Facility name: HYDRO SERVICES CO
Facility address: 1322 17TH ST
LONG BEACH, CA 90813
EPA ID: CAD982025496
Mailing address: 17TH ST
LONG BEACH, CA 90813
Contact: ENVIRONMENTAL MANAGER
Contact address: 1322 17TH ST
LONG BEACH, CA 90813
Contact country: US
Contact telephone: (213) 436-0143
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HYDRO SERVICES CO (Continued)

1000366351

waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: RICHARD MCMALO PRESIDENT
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110009542496

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HYDRO SERVICES CO (Continued)

1000366351

HIST CORTESE:

Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 908130516

LONG BEACH UST:

DATA AS OF 02/25/2014:

Region: LONG BEACH
Tanks: 0T
Tank Test: Not reported
Leak Test: Not reported
Tank Status: Not reported

**181
ESE
1/4-1/2
0.296 mi.
1561 ft.**

**SHELL #204-4482-7503
500 ANAHEIM ST.
LONG BEACH, CA 90813**

**CA LUST S106916428
N/A**

**Relative:
Higher**

LUST:

Region: STATE
Global Id: T0603757536
Latitude: 33.7823018981554
Longitude: -118.19829672575
Case Type: LUST Cleanup Site
Status: Open - Site Assessment
Status Date: 08/15/2007
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Worker: DPP
Local Agency: LONG BEACH, CITY OF
RB Case Number: 908130689
LOC Case Number: Not reported
File Location: Regional Board
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

**Actual:
27 ft.**

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id: T0603757536
Contact Type: Local Agency Caseworker
Contact Name: CARMEN PIRO
Organization Name: LONG BEACH, CITY OF
Address: 2525 GRAND AVE.
City: LONG BEACH
Email: carmen.piro@longbeach.gov
Phone Number: 5625704137

Global Id: T0603757536
Contact Type: Regional Board Caseworker
Contact Name: DANIEL PIROTTON
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: Not reported
City: R4 UNKNOWN
Email: dpirotton@waterboards.ca.gov

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SHELL #204-4482-7503 (Continued)

S106916428

Phone Number: 2135766714

Status History:

Global Id: T0603757536
Status: Open - Site Assessment
Status Date: 07/07/2005

Global Id: T0603757536
Status: Open - Site Assessment
Status Date: 04/25/2006

Global Id: T0603757536
Status: Open - Site Assessment
Status Date: 08/15/2007

Global Id: T0603757536
Status: Open - Case Begin Date
Status Date: 05/30/2003

Regulatory Activities:

Global Id: T0603757536
Action Type: ENFORCEMENT
Date: 07/07/2005
Action: Staff Letter

Global Id: T0603757536
Action Type: Other
Date: 05/30/2003
Action: Leak Discovery

Global Id: T0603757536
Action Type: RESPONSE
Date: 12/06/2010
Action: Site Assessment Report

Global Id: T0603757536
Action Type: RESPONSE
Date: 08/15/2007
Action: Soil and Water Investigation Workplan

Global Id: T0603757536
Action Type: RESPONSE
Date: 10/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603757536
Action Type: RESPONSE
Date: 11/30/2011
Action: Site Assessment Report

Global Id: T0603757536
Action Type: RESPONSE
Date: 10/15/2011
Action: Monitoring Report - Semi-Annually

Global Id: T0603757536

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SHELL #204-4482-7503 (Continued)

S106916428

Action Type:	RESPONSE
Date:	08/30/2005
Action:	Other Report / Document
Global Id:	T0603757536
Action Type:	RESPONSE
Date:	04/15/2011
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603757536
Action Type:	Other
Date:	06/09/2005
Action:	Leak Reported
Global Id:	T0603757536
Action Type:	RESPONSE
Date:	04/25/2006
Action:	Soil and Water Investigation Workplan
Global Id:	T0603757536
Action Type:	RESPONSE
Date:	10/15/2006
Action:	Monitoring Report - Quarterly
Global Id:	T0603757536
Action Type:	RESPONSE
Date:	01/15/2007
Action:	Monitoring Report - Quarterly
Global Id:	T0603757536
Action Type:	RESPONSE
Date:	10/15/2012
Action:	Conceptual Site Model
Global Id:	T0603757536
Action Type:	RESPONSE
Date:	04/15/2012
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603757536
Action Type:	RESPONSE
Date:	10/15/2012
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603757536
Action Type:	RESPONSE
Date:	01/15/2008
Action:	Monitoring Report - Quarterly
Global Id:	T0603757536
Action Type:	RESPONSE
Date:	04/15/2007
Action:	Monitoring Report - Quarterly
Global Id:	T0603757536
Action Type:	RESPONSE
Date:	07/15/2008

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SHELL #204-4482-7503 (Continued)

S106916428

Action:	Monitoring Report - Quarterly
Global Id:	T0603757536
Action Type:	RESPONSE
Date:	01/15/2009
Action:	Monitoring Report - Quarterly
Global Id:	T0603757536
Action Type:	RESPONSE
Date:	10/15/2008
Action:	Monitoring Report - Quarterly
Global Id:	T0603757536
Action Type:	RESPONSE
Date:	12/08/2008
Action:	Soil and Water Investigation Report
Global Id:	T0603757536
Action Type:	RESPONSE
Date:	10/15/2007
Action:	Monitoring Report - Quarterly
Global Id:	T0603757536
Action Type:	RESPONSE
Date:	04/15/2008
Action:	Monitoring Report - Quarterly
Global Id:	T0603757536
Action Type:	RESPONSE
Date:	04/15/2013
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603757536
Action Type:	RESPONSE
Date:	10/15/2013
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603757536
Action Type:	RESPONSE
Date:	10/15/2014
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603757536
Action Type:	ENFORCEMENT
Date:	06/15/2009
Action:	Staff Letter
Global Id:	T0603757536
Action Type:	RESPONSE
Date:	10/15/2009
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603757536
Action Type:	RESPONSE
Date:	04/15/2009
Action:	Monitoring Report - Quarterly

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SHELL #204-4482-7503 (Continued)

S106916428

Global Id: T0603757536
Action Type: RESPONSE
Date: 11/07/2006
Action: Soil and Water Investigation Report

Global Id: T0603757536
Action Type: RESPONSE
Date: 04/15/2010
Action: Monitoring Report - Semi-Annually

Global Id: T0603757536
Action Type: RESPONSE
Date: 04/15/2014
Action: Monitoring Report - Semi-Annually

Global Id: T0603757536
Action Type: RESPONSE
Date: 02/27/2015
Action: Site Assessment Report

Global Id: T0603757536
Action Type: RESPONSE
Date: 07/15/2009
Action: Monitoring Report - Semi-Annually

182
East
1/4-1/2
0.296 mi.
1563 ft.

DIAMOND U PRODUCTS, INC
1429 MAGNOLIA AVE
LONG BEACH, CA 90813

CA HIST CORTESE
CA LUST

S100273093
N/A

Relative:
Higher

HIST CORTESE:
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 013191-01

Actual:
17 ft.

LUST:
Region: STATE
Global Id: T0603700054
Latitude: 33.7848846
Longitude: -118.1981751
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 09/27/1996
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Worker: YR
Local Agency: LONG BEACH, CITY OF
RB Case Number: 013191-01
LOC Case Number: Not reported
File Location: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Other Solvent or Non-Petroleum Hydrocarbon
Site History: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DIAMOND U PRODUCTS, INC (Continued)

S100273093

[Click here to access the California GeoTracker records for this facility:](#)

Contact:

Global Id: T0603700054
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

Global Id: T0603700054
Contact Type: Local Agency Caseworker
Contact Name: CARMEN PIRO
Organization Name: LONG BEACH, CITY OF
Address: 2525 GRAND AVE.
City: LONG BEACH
Email: carmen.piro@longbeach.gov
Phone Number: 5625704137

Status History:

Global Id: T0603700054
Status: Open - Case Begin Date
Status Date: 01/18/1991

Global Id: T0603700054
Status: Open - Site Assessment
Status Date: 01/28/1991

Global Id: T0603700054
Status: Completed - Case Closed
Status Date: 09/27/1996

Regulatory Activities:

Global Id: T0603700054
Action Type: Other
Date: 01/18/1991
Action: Leak Reported

LUST REG 4:

Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 013191-01
Status: Case Closed
Substance: Hydrocarbons
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater
Abatement Method Used at the Site: Not reported
Global ID: T0603700054
W Global ID: Not reported
Staff: UNK

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DIAMOND U PRODUCTS, INC (Continued)

S100273093

Local Agency: 19060
Cross Street: Not reported
Enforcement Type: Not reported
Date Leak Discovered: Not reported
Date Leak First Reported: 1/18/1991
Date Leak Record Entered: 1/31/1991
Date Confirmation Began: Not reported
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 12/17/1996
Date the Case was Closed: 9/27/1996
How Leak Discovered: Not reported
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Operator: Not reported
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 15008.338259757362819006984404
Source of Cleanup Funding: UNK
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: 1/28/1991
Pollution Characterization Began: Not reported
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: DIAMOND-U PRODUCTS, INC.
RP Address: 1429 MAGNOLIA AVE., LONG BEACH CA 90813
Program: LUST
Lat/Long: 33.7848846 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: IF THIS IS A SOILS CASE, WHY GRNDWTR MONITORING?

**AE183
NW
1/4-1/2
0.296 mi.
1564 ft.**

**CAMPBELL CONTOUR ATTACHMENTS
1320 W ESTHER ST
LONG BEACH, CA 90813
Site 1 of 2 in cluster AE**

**CERC-NFRAP 1003878275
CAD008284333**

**Relative:
Lower**

CERC-NFRAP:
Site ID: 0901024
Federal Facility: Not a Federal Facility
NPL Status: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

**Actual:
13 ft.**

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAMPBELL CONTOUR ATTACHMENTS (Continued)

1003878275

CERCLIS-NFRAP Site Contact Details:

Contact Sequence ID: 13288540.00000
Person ID: 13003854.00000

Contact Sequence ID: 13294135.00000
Person ID: 13003858.00000

Contact Sequence ID: 13299993.00000
Person ID: 13004003.00000

CERCLIS-NFRAP Assessment History:

Action: PRELIMINARY ASSESSMENT
Date Started: 08/01/85
Date Completed: 04/01/86
Priority Level: NFRAP-Site does not qualify for the NPL based on existing information

Action: ARCHIVE SITE
Date Started: / /
Date Completed: 04/01/86
Priority Level: Not reported

Action: DISCOVERY
Date Started: / /
Date Completed: 09/01/85
Priority Level: Not reported

AE184
NW
1/4-1/2
0.300 mi.
1585 ft.
MARINE HARDWARE CO
1322 017TH ST W
LONG BEACH, CA 90813
Site 2 of 2 in cluster AE

CA LUST **S104406360**
N/A

Relative:
Lower

LUST:

Actual:
12 ft.

Region: STATE
Global Id: T0603701962
Latitude: 33.7879497
Longitude: -118.2091306
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 10/08/2013
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Worker: JH
Local Agency: LONG BEACH, CITY OF
RB Case Number: 908130516
LOC Case Number: Not reported
File Location: Regional Board
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Other Solvent or Non-Petroleum Hydrocarbon
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id: T0603701962
Contact Type: Local Agency Caseworker
Contact Name: CARMEN PIRO
Organization Name: LONG BEACH, CITY OF

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MARINE HARDWARE CO (Continued)

S104406360

Address: 2525 GRAND AVE.
City: LONG BEACH
Email: carmen.piro@longbeach.gov
Phone Number: 5625704137

Global Id: T0603701962
Contact Type: Regional Board Caseworker
Contact Name: JAY HUANG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 WEST 4TH STREET, SUITE 200
City: LOS ANGELES
Email: jhuang@waterboards.ca.gov
Phone Number: 2135766711

Status History:

Global Id: T0603701962
Status: Open - Verification Monitoring
Status Date: 10/15/1990

Global Id: T0603701962
Status: Completed - Case Closed
Status Date: 10/08/2013

Global Id: T0603701962
Status: Open - Case Begin Date
Status Date: 10/15/1990

Global Id: T0603701962
Status: Open - Eligible for Closure
Status Date: 08/02/2013

Global Id: T0603701962
Status: Open - Remediation
Status Date: 08/19/2002

Global Id: T0603701962
Status: Open - Site Assessment
Status Date: 10/15/1990

Global Id: T0603701962
Status: Open - Site Assessment
Status Date: 11/25/1998

Regulatory Activities:

Global Id: T0603701962
Action Type: ENFORCEMENT
Date: 06/21/2002
Action: Staff Letter

Global Id: T0603701962
Action Type: RESPONSE
Date: 10/15/2002
Action: Monitoring Report - Quarterly

Global Id: T0603701962
Action Type: RESPONSE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MARINE HARDWARE CO (Continued)

S104406360

Date:	01/15/2003
Action:	Monitoring Report - Quarterly
Global Id:	T0603701962
Action Type:	RESPONSE
Date:	04/15/2003
Action:	Monitoring Report - Quarterly
Global Id:	T0603701962
Action Type:	RESPONSE
Date:	07/06/2013
Action:	Request for Closure - Regulator Responded
Global Id:	T0603701962
Action Type:	Other
Date:	10/15/1990
Action:	Leak Discovery
Global Id:	T0603701962
Action Type:	RESPONSE
Date:	07/15/2003
Action:	Monitoring Report - Quarterly
Global Id:	T0603701962
Action Type:	ENFORCEMENT
Date:	07/20/2011
Action:	Health and Safety Code Section 25296.10(c)
Global Id:	T0603701962
Action Type:	RESPONSE
Date:	10/15/2003
Action:	Monitoring Report - Quarterly
Global Id:	T0603701962
Action Type:	RESPONSE
Date:	07/15/2002
Action:	CAP/RAP - Final Remediation / Design Plan
Global Id:	T0603701962
Action Type:	RESPONSE
Date:	04/15/2004
Action:	Monitoring Report - Quarterly
Global Id:	T0603701962
Action Type:	RESPONSE
Date:	07/15/2004
Action:	Monitoring Report - Quarterly
Global Id:	T0603701962
Action Type:	ENFORCEMENT
Date:	12/30/2011
Action:	Staff Letter
Global Id:	T0603701962
Action Type:	Other
Date:	10/15/1990
Action:	Leak Reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MARINE HARDWARE CO (Continued)

S104406360

Global Id:	T0603701962
Action Type:	RESPONSE
Date:	07/15/2012
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603701962
Action Type:	ENFORCEMENT
Date:	10/08/2013
Action:	Closure/No Further Action Letter
Global Id:	T0603701962
Action Type:	RESPONSE
Date:	01/15/2013
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603701962
Action Type:	ENFORCEMENT
Date:	07/29/2013
Action:	Notification - Preclosure
Global Id:	T0603701962
Action Type:	ENFORCEMENT
Date:	09/16/2008
Action:	Notice to Comply
Global Id:	T0603701962
Action Type:	ENFORCEMENT
Date:	03/20/2009
Action:	Staff Letter
Global Id:	T0603701962
Action Type:	RESPONSE
Date:	07/15/2009
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603701962
Action Type:	RESPONSE
Date:	05/15/2002
Action:	Soil and Water Investigation Report
Global Id:	T0603701962
Action Type:	RESPONSE
Date:	03/15/2014
Action:	Well Destruction Report
Global Id:	T0603701962
Action Type:	ENFORCEMENT
Date:	06/15/2009
Action:	Staff Letter
Global Id:	T0603701962
Action Type:	RESPONSE
Date:	10/15/2004
Action:	Monitoring Report - Quarterly
Global Id:	T0603701962
Action Type:	ENFORCEMENT

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MARINE HARDWARE CO (Continued)

S104406360

Date: 02/21/2002
Action: Staff Letter

Global Id: T0603701962
Action Type: ENFORCEMENT
Date: 04/22/1997
Action: Staff Letter

Global Id: T0603701962
Action Type: RESPONSE
Date: 07/15/2002
Action: Monitoring Report - Quarterly

Global Id: T0603701962
Action Type: RESPONSE
Date: 01/15/2004
Action: Monitoring Report - Quarterly

LUST REG 4:

Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 908130516
Status: Remediation Plan
Substance: Hydrocarbons
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater
Abatement Method Used at the Site: Not reported
Global ID: T0603701962
W Global ID: Not reported
Staff: HDN
Local Agency: 19060
Cross Street: Not reported
Enforcement Type: SEL
Date Leak Discovered: 10/15/1990
Date Leak First Reported: 10/15/1990
Date Leak Record Entered: 12/13/1990
Date Confirmation Began: Not reported
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 8/15/2002
Date the Case was Closed: Not reported
How Leak Discovered: Not reported
How Leak Stopped: Not reported
Cause of Leak: Not reported
Leak Source: Not reported
Operator: Not reported
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 15919.673586913456918710295999
Source of Cleanup Funding: Not reported
Preliminary Site Assessment Workplan Submitted: 10/15/1990
Preliminary Site Assessment Began: 10/15/1990
Pollution Characterization Began: 11/25/1998
Remediation Plan Submitted: 8/19/2002
Remedial Action Underway: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MARINE HARDWARE CO (Continued)

S104406360

Post Remedial Action Monitoring Began: 10/15/1990
Enforcement Action Date: Not reported
Historical Max MTBE Date: 1/1/1965
Hist Max MTBE Conc in Groundwater: 370
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: FRANK BRANNEN
RP Address: 345 N. 17TH ST.
Program: LUST
Lat/Long: 33.7879497 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: PLEASE REFER TO 1650 HARBOR AVE. FOR ADD'L INFO. 08/20/97 GW MON & SAMPLING RPT-2ND 97; 10/14/97 GW MON & SAMPLING RPT-3RD 97; 10/19/98 GW MON SEPTEMBER 1998

AF185
South
1/4-1/2
0.304 mi.
1606 ft.

BULK TERMINAL
960 DE FOREST AVE
LONG BEACH, CA 90813

CA HIST CORTESE
CA LUST
CA SLIC

S101296712
N/A

Site 1 of 2 in cluster AF

Relative:
Higher

HIST CORTESE:
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 908130061

Actual:
17 ft.

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 908130061
Status: Pollution Characterization
Substance: Solvents
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater
Abatement Method Used at the Site: Not reported
Global ID: T0603701921
W Global ID: Not reported
Staff: SLC
Local Agency: 19060
Cross Street: Not reported
Enforcement Type: Not reported
Date Leak Discovered: Not reported
Date Leak First Reported: 10/31/1984
Date Leak Record Entered: 12/31/1986
Date Confirmation Began: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BULK TERMINAL (Continued)

S101296712

Date Leak Stopped: Not reported
Date Case Last Changed on Database: 3/26/2001
Date the Case was Closed: Not reported
How Leak Discovered: Not reported
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Operator: Not reported
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 17849.961892403501719824659725
Source of Cleanup Funding: UNK
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: 3/31/1988
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: BLANK RP
RP Address: Not reported
Program: SLIC
Lat/Long: 33.7789638 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: ON MONITORING PROGRAM. REFER TO SLIC #681

SLIC:

Region: STATE
Facility Status: **Open - Verification Monitoring**
Status Date: 05/21/2014
Global Id: SL2048H2365
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number: Not reported
Latitude: 33.779816
Longitude: -118.20249
Case Type: Cleanup Program Site
Case Worker: COR
Local Agency: Not reported
RB Case Number: 0681
File Location: Regional Board
Potential Media Affected: Aquifer used for drinking water supply, Soil
Potential Contaminants of Concern: Benzene, Other Chlorinated Hydrocarbons, Toluene, Xylene, Arsenic, Lead, Polynuclear aromatic hydrocarbons (PAHs)
Site History: Prior to 1965, the site was owned and operated by Pacific Electric

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BULK TERMINAL (Continued)

S101296712

Railroad Company and used for electric railroad repair, maintenance, and inspection. Southern Pacific Transportation Company acquired the site in 1965 and leased it to various entities, whose primary operations were bulk transfer and storage of liquid petroleum and chemical products. Union Pacific Railroad Company (UPRR) acquired the site in 1966, in a merger of Southern Pacific Transportation Company. Subsequently, the City of Long Beach acquired the Site from the UPRR in May 2007. On-going soil remediation.

[Click here to access the California GeoTracker records for this facility:](#)

SLIC REG 4:

Region: 4
Facility Status: Site Assessment
SLIC: 0681
Substance: VOCs
Staff: AH

AF186
South
1/4-1/2
0.304 mi.
1606 ft.

CHARTER INTL OIL TRANS & TERM
960 DEFOREST AVE
LONG BEACH, CA 90813

CERC-NFRAP 1000369992
RCRA-LQG CAD075274928

Site 2 of 2 in cluster AF

Relative:
Higher

CERC-NFRAP:
Site ID: 0901579
Federal Facility: Not a Federal Facility
NPL Status: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

Actual:
17 ft.

CERCLIS-NFRAP Site Contact Details:

Contact Sequence ID: 13286646.00000
Person ID: 13003854.00000

Contact Sequence ID: 13292241.00000
Person ID: 13003858.00000

Contact Sequence ID: 13298099.00000
Person ID: 13004003.00000

CERCLIS-NFRAP Assessment History:

Action: DISCOVERY
Date Started: / /
Date Completed: 03/01/85
Priority Level: Not reported

Action: ARCHIVE SITE
Date Started: / /
Date Completed: 10/01/87
Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT
Date Started: / /
Date Completed: 10/01/87
Priority Level: NFRAP-Site does not qualify for the NPL based on existing information

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHARTER INTL OIL TRANS & TERM (Continued)

1000369992

RCRA-LQG:

Date form received by agency: 08/05/2008
Facility name: 960 DEFOREST AVENUE LONG BEACH SITE
Facility address: 960 DEFOREST AVENUE
LONG BEACH, CA 90813
EPA ID: CAD075274928
Mailing address: 10031 FOOTHILLS BLVD
ROSEVILLE, CA 95747
Contact: JAMES E DIEI
Contact address: Not reported
Not reported
Contact country: US
Contact telephone: (916) 789-5184
Contact email: JEDIEL@UP.COM
EPA Region: 09
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name: CHARTER INTERNATIONAL OIL COMPANY
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: UNION PACIFIC RAILROAD
Owner/operator address: 10031 FOOTHILLS BLVD
ROSEVILLE, CA 95747
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHARTER INTL OIL TRANS & TERM (Continued)

1000369992

Owner/Operator Type: Owner
Owner/Op start date: 06/01/1996
Owner/Op end date: Not reported

Owner/operator name: UNION PACIFIC RAILROAD
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 06/01/1996
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D004
. Waste name: ARSENIC

Historical Generators:

Date form received by agency: 12/27/2006
Site name: FORMER BULK TERMINAL
Classification: Large Quantity Generator

. Waste code: D002
. Waste name: CORROSIVE WASTE

Date form received by agency: 09/01/1996
Site name: CHARTER INTL OIL TRANSP & TERM
Classification: Small Quantity Generator

Date form received by agency: 10/31/1980
Site name: CHARTER INTL OIL TRANSP & TERM
Classification: Large Quantity Generator

Violation Status: No violations found

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AG187
WNW
1/4-1/2
0.320 mi.
1690 ft.
NATIONAL PLANT SERVICES, INC.
1364 W 16TH ST
LONG BEACH, CA 90813
Site 1 of 4 in cluster AG

CA HIST CORTESE
CA HIST UST

U001566315
N/A

Relative:
Lower

HIST CORTESE:
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 908130143

Actual:
11 ft.

HIST UST:
Region: STATE
Facility ID: 00000005082
Facility Type: Other
Other Type: INDUSTRIAL CLEANING
Contact Name: DENNIS R. KEENE/V.P./GENERAL M
Telephone: 2134373574
Owner Name: NATIONAL PLANT SERVICES, INC.
Owner Address: 1461 HARBOR AVE.
Owner City,St,Zip: LONG BEACH, CA 90813
Total Tanks: 0003

Tank Num: 001
Container Num: DT1
Year Installed: Not reported
Tank Capacity: 00008000
Tank Used for: Not reported
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 002
Container Num: DT2
Year Installed: Not reported
Tank Capacity: 00008000
Tank Used for: Not reported
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 003
Container Num: GT1
Year Installed: Not reported
Tank Capacity: 00003000
Tank Used for: Not reported
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: None

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AG188 **NATIONAL PLANT SERVICES, INC.**
WNW **1364 016TH ST W**
1/4-1/2 **LONG BEACH, CA 90813**
0.326 mi.
1721 ft. **Site 2 of 4 in cluster AG**

CA LUST **S105032798**
N/A

Relative:
Lower

LUST:

Actual:
11 ft.

Region: STATE
Global Id: T0603701928
Latitude: 33.7870987
Longitude: -118.2098216
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 05/29/1996
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Worker: YR
Local Agency: LONG BEACH, CITY OF
RB Case Number: 908130143
LOC Case Number: Not reported
File Location: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

Contact:

Global Id: T0603701928
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

Global Id: T0603701928
Contact Type: Local Agency Caseworker
Contact Name: CARMEN PIRO
Organization Name: LONG BEACH, CITY OF
Address: 2525 GRAND AVE.
City: LONG BEACH
Email: carmen.piro@longbeach.gov
Phone Number: 5625704137

Status History:

Global Id: T0603701928
Status: Open - Case Begin Date
Status Date: 08/19/1987

Global Id: T0603701928
Status: Completed - Case Closed
Status Date: 05/29/1996

Global Id: T0603701928
Status: Open - Site Assessment
Status Date: 03/18/1988

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NATIONAL PLANT SERVICES, INC. (Continued)

S105032798

Regulatory Activities:

Global Id: T0603701928
Action Type: Other
Date: 08/19/1987
Action: Leak Reported

LUST REG 4:

Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 908130143
Status: Case Closed
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater
Abatement Method Used at the Site: Excavate and Dispose
Global ID: T0603701928
W Global ID: Not reported
Staff: UNK
Local Agency: 19060
Cross Street: HARBOR
Enforcement Type: Not reported
Date Leak Discovered: Not reported
Date Leak First Reported: 8/19/1987
Date Leak Record Entered: 3/10/1988
Date Confirmation Began: Not reported
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 5/22/1996
Date the Case was Closed: 5/29/1996
How Leak Discovered: Not reported
How Leak Stopped: Not reported
Cause of Leak: Not reported
Leak Source: Not reported
Operator: Not reported
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 16096.10862248989860530484477
Source of Cleanup Funding: Not reported
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: 3/18/1988
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Yes
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: NATIONAL PLANT SERVICES

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NATIONAL PLANT SERVICES, INC. (Continued)

S105032798

RP Address: 1461 HARBOR AVE, LONG BEACH, CA 90813
Program: LUST
Lat/Long: 33.7870987 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: THREE TANKS REMOVED. GROUND WATER CONTAMINATION IS LOCALIZED

AH189
WSW
1/4-1/2
0.328 mi.
1732 ft.
GEORGE MITCHEL
1326 012TH ST W
LONG BEACH, CA 90813
Site 1 of 2 in cluster AH

CA HIST CORTESE
CA LUST
S101296838
N/A

Relative: HIST CORTESE:
Lower Region: CORTESE
Facility County Code: 19
Actual: Reg By: LTNKA
8 ft. Reg Id: 908130043

LUST:
Region: STATE
Global Id: T0603701919
Latitude: 33.7813218
Longitude: -118.2091835
Case Type: LUST Cleanup Site
Status: Open - Site Assessment
Status Date: 10/29/2007
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Worker: DMB
Local Agency: LONG BEACH, CITY OF
RB Case Number: 908130043
LOC Case Number: Not reported
File Location: Regional Board
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:
Global Id: T0603701919
Contact Type: Local Agency Caseworker
Contact Name: CARMEN PIRO
Organization Name: LONG BEACH, CITY OF
Address: 2525 GRAND AVE.
City: LONG BEACH
Email: carmen.piro@longbeach.gov
Phone Number: 5625704137

Global Id: T0603701919
Contact Type: Regional Board Caseworker
Contact Name: DAVID M. BJOSTAD
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4th Street, Suite 200

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GEORGE MITCHEL (Continued)

S101296838

City: Los Angeles
Email: dbjostad@waterboards.ca.gov
Phone Number: Not reported

Status History:

Global Id: T0603701919
Status: Open - Site Assessment
Status Date: 09/20/2006

Global Id: T0603701919
Status: Open - Site Assessment
Status Date: 10/29/2007

Global Id: T0603701919
Status: Open - Verification Monitoring
Status Date: 11/01/1984

Global Id: T0603701919
Status: Open - Case Begin Date
Status Date: 11/01/1984

Global Id: T0603701919
Status: Open - Site Assessment
Status Date: 07/09/1998

Global Id: T0603701919
Status: Open - Site Assessment
Status Date: 07/20/1999

Global Id: T0603701919
Status: Open - Site Assessment
Status Date: 02/08/2001

Global Id: T0603701919
Status: Open - Site Assessment
Status Date: 09/12/2003

Global Id: T0603701919
Status: Open - Site Assessment
Status Date: 11/05/2003

Regulatory Activities:

Global Id: T0603701919
Action Type: ENFORCEMENT
Date: 12/04/2003
Action: Staff Letter

Global Id: T0603701919
Action Type: ENFORCEMENT
Date: 06/23/2003
Action: Staff Letter

Global Id: T0603701919
Action Type: ENFORCEMENT
Date: 04/12/2004
Action: Staff Letter

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GEORGE MITCHEL (Continued)

S101296838

Global Id:	T0603701919
Action Type:	RESPONSE
Date:	09/17/2002
Action:	Tank Removal Report / UST Sampling Report
Global Id:	T0603701919
Action Type:	RESPONSE
Date:	12/01/2002
Action:	Soil and Water Investigation Workplan
Global Id:	T0603701919
Action Type:	RESPONSE
Date:	03/01/2004
Action:	Soil and Water Investigation Report
Global Id:	T0603701919
Action Type:	RESPONSE
Date:	12/22/2014
Action:	Soil Vapor Intrusion Investigation Workplan - Regulator Responded
Global Id:	T0603701919
Action Type:	Other
Date:	11/01/1984
Action:	Leak Discovery
Global Id:	T0603701919
Action Type:	RESPONSE
Date:	07/15/2004
Action:	Soil and Water Investigation Report
Global Id:	T0603701919
Action Type:	RESPONSE
Date:	09/01/2003
Action:	Soil and Water Investigation Workplan
Global Id:	T0603701919
Action Type:	ENFORCEMENT
Date:	06/22/2006
Action:	Staff Letter
Global Id:	T0603701919
Action Type:	RESPONSE
Date:	12/01/2003
Action:	Soil and Water Investigation Workplan
Global Id:	T0603701919
Action Type:	ENFORCEMENT
Date:	12/15/2006
Action:	Staff Letter
Global Id:	T0603701919
Action Type:	ENFORCEMENT
Date:	12/14/2007
Action:	Staff Letter
Global Id:	T0603701919
Action Type:	ENFORCEMENT

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GEORGE MITCHEL (Continued)

S101296838

Date:	08/14/2007
Action:	Staff Letter
Global Id:	T0603701919
Action Type:	Other
Date:	11/01/1984
Action:	Leak Stopped
Global Id:	T0603701919
Action Type:	RESPONSE
Date:	10/15/2007
Action:	Soil and Water Investigation Report
Global Id:	T0603701919
Action Type:	ENFORCEMENT
Date:	05/27/2008
Action:	Staff Letter
Global Id:	T0603701919
Action Type:	ENFORCEMENT
Date:	12/04/2012
Action:	Health and Safety Code Section 25296.10(c)
Global Id:	T0603701919
Action Type:	Other
Date:	11/01/1984
Action:	Leak Reported
Global Id:	T0603701919
Action Type:	RESPONSE
Date:	11/07/2005
Action:	Request for Closure
Global Id:	T0603701919
Action Type:	ENFORCEMENT
Date:	01/29/2008
Action:	Staff Letter
Global Id:	T0603701919
Action Type:	ENFORCEMENT
Date:	10/08/2003
Action:	Staff Letter
Global Id:	T0603701919
Action Type:	ENFORCEMENT
Date:	05/07/2004
Action:	Site Visit / Inspection / Sampling
Global Id:	T0603701919
Action Type:	RESPONSE
Date:	10/15/2006
Action:	Monitoring Report - Quarterly
Global Id:	T0603701919
Action Type:	RESPONSE
Date:	10/15/2004
Action:	Monitoring Report - Quarterly

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GEORGE MITCHEL (Continued)

S101296838

Global Id:	T0603701919
Action Type:	RESPONSE
Date:	04/15/2005
Action:	Monitoring Report - Quarterly
Global Id:	T0603701919
Action Type:	RESPONSE
Date:	07/15/2005
Action:	Monitoring Report - Quarterly
Global Id:	T0603701919
Action Type:	RESPONSE
Date:	10/15/2006
Action:	Soil and Water Investigation Workplan
Global Id:	T0603701919
Action Type:	RESPONSE
Date:	09/15/2013
Action:	Soil and Water Investigation Workplan
Global Id:	T0603701919
Action Type:	ENFORCEMENT
Date:	09/16/2008
Action:	Notice to Comply
Global Id:	T0603701919
Action Type:	RESPONSE
Date:	07/15/2008
Action:	Interim Remedial Action Report
Global Id:	T0603701919
Action Type:	RESPONSE
Date:	07/10/2007
Action:	Request for Closure
Global Id:	T0603701919
Action Type:	RESPONSE
Date:	10/15/2007
Action:	Soil and Water Investigation Workplan
Global Id:	T0603701919
Action Type:	RESPONSE
Date:	01/15/2009
Action:	Soil and Water Investigation Report
Global Id:	T0603701919
Action Type:	RESPONSE
Date:	09/15/2013
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603701919
Action Type:	ENFORCEMENT
Date:	07/16/2013
Action:	Staff Letter
Global Id:	T0603701919
Action Type:	RESPONSE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GEORGE MITCHEL (Continued)

S101296838

Date:	07/15/2007
Action:	Monitoring Report - Quarterly
Global Id:	T0603701919
Action Type:	RESPONSE
Date:	01/15/2009
Action:	Soil and Water Investigation Report
Global Id:	T0603701919
Action Type:	RESPONSE
Date:	01/15/2009
Action:	Soil and Water Investigation Report
Global Id:	T0603701919
Action Type:	ENFORCEMENT
Date:	06/15/2009
Action:	Staff Letter
Global Id:	T0603701919
Action Type:	ENFORCEMENT
Date:	11/21/2014
Action:	Notice of Violation
Global Id:	T0603701919
Action Type:	ENFORCEMENT
Date:	12/08/2014
Action:	Health and Safety Code Section 25296.10(c)
Global Id:	T0603701919
Action Type:	ENFORCEMENT
Date:	01/15/2015
Action:	Site Visit / Inspection / Sampling
Global Id:	T0603701919
Action Type:	ENFORCEMENT
Date:	12/17/2002
Action:	Staff Letter
Global Id:	T0603701919
Action Type:	ENFORCEMENT
Date:	06/24/2002
Action:	Staff Letter
Global Id:	T0603701919
Action Type:	ENFORCEMENT
Date:	09/13/2000
Action:	Staff Letter
Global Id:	T0603701919
Action Type:	ENFORCEMENT
Date:	09/24/2002
Action:	Staff Letter
Global Id:	T0603701919
Action Type:	RESPONSE
Date:	07/15/2009
Action:	Monitoring Report - Semi-Annually

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GEORGE MITCHEL (Continued)

S101296838

Global Id: T0603701919
Action Type: RESPONSE
Date: 04/15/2003
Action: Soil and Water Investigation Report

Global Id: T0603701919
Action Type: RESPONSE
Date: 07/31/2002
Action: Other Report / Document

LUST REG 4:

Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 908130043
Status: Pollution Characterization
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: Not reported
Global ID: T0603701919
W Global ID: Not reported
Staff: HDN
Local Agency: 19060
Cross Street: Not reported
Enforcement Type: SI
Date Leak Discovered: 11/1/1984
Date Leak First Reported: 11/1/1984
Date Leak Record Entered: 12/31/1986
Date Confirmation Began: Not reported
Date Leak Stopped: 11/1/1984
Date Case Last Changed on Database: 10/30/2000
Date the Case was Closed: Not reported
How Leak Discovered: Not reported
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Operator: Not reported
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 18073.649492385043547355224766
Source of Cleanup Funding: UNK
Preliminary Site Assessment Workplan Submitted: 7/9/1998
Preliminary Site Assessment Began: 7/20/1999
Pollution Characterization Began: 11/5/2003
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: 11/1/1984
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Yes
GW Qualifier: Not reported
Soil Qualifier: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GEORGE MITCHEL (Continued)

S101296838

Organization: Not reported
Owner Contact: Not reported
Responsible Party: BRUCE HARRISON
RP Address: 1842 E. 29TH ST.
Program: LUST
Lat/Long: 33.7813218 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: INITIALLY ASSIGNED TO ANS. TWO GASOLINE TANKS REMOVED. MITCHELL REFUSES TO CONDUCT A SITE ASSESSMENT.; 2/26/99 SUBSURFACE SITE ASSESSMENT SOIL & GW SAMPLING

AH190
WSW
1/4-1/2
0.337 mi.
1780 ft.
GOODYEAR
1350 12TH
LONG BEACH, CA 90813
Site 2 of 2 in cluster AH

CA HIST CORTESE **S105024546**
N/A

Relative: HIST CORTESE:
Lower Region: CORTESE
Facility County Code: 19
Actual: Reg By: LTNKA
8 ft. Reg Id: 2471

AI191
NE
1/4-1/2
0.348 mi.
1839 ft.
FORMER ROCKET STATION #6
465 PACIFIC COAST HWY W
LONG BEACH, CA 90806
Site 1 of 2 in cluster AI

CA LUST **S104532736**
N/A

Relative: LUST:
Lower Region: STATE
Global Id: T0603701838
Actual: Latitude: 33.7901421098237
13 ft. Longitude: -118.197821974754
Case Type: LUST Cleanup Site
Status: Open - Site Assessment
Status Date: 01/29/2007
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Worker: AJL
Local Agency: LONG BEACH, CITY OF
RB Case Number: 908061052
LOC Case Number: Not reported
File Location: Regional Board
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:
Global Id: T0603701838
Contact Type: Local Agency Caseworker

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER ROCKET STATION #6 (Continued)

S104532736

Contact Name: CARMEN PIRO
Organization Name: LONG BEACH, CITY OF
Address: 2525 GRAND AVE.
City: LONG BEACH
Email: carmen.piro@longbeach.gov
Phone Number: 5625704137

Global Id: T0603701838
Contact Type: Regional Board Caseworker
Contact Name: AHMAD J. LAMMA
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 West 4th Street Suite 200
City: Los Angeles
Email: alamaa@waterboards.ca.gov
Phone Number: Not reported

Status History:

Global Id: T0603701838
Status: Open - Site Assessment
Status Date: 01/29/2007

Global Id: T0603701838
Status: Open - Verification Monitoring
Status Date: 11/03/1986

Global Id: T0603701838
Status: Open - Case Begin Date
Status Date: 11/03/1986

Global Id: T0603701838
Status: Open - Remediation
Status Date: 05/19/2000

Global Id: T0603701838
Status: Open - Remediation
Status Date: 07/19/2000

Global Id: T0603701838
Status: Open - Site Assessment
Status Date: 07/02/1992

Global Id: T0603701838
Status: Open - Site Assessment
Status Date: 04/17/2000

Regulatory Activities:

Global Id: T0603701838
Action Type: ENFORCEMENT
Date: 09/22/2006
Action: Staff Letter

Global Id: T0603701838
Action Type: Other
Date: 11/03/1986
Action: Leak Discovery

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER ROCKET STATION #6 (Continued)

S104532736

Global Id: T0603701838
Action Type: RESPONSE
Date: 06/01/2010
Action: Clean Up Fund - 5-Year Review Summary

Global Id: T0603701838
Action Type: ENFORCEMENT
Date: 03/28/2007
Action: Staff Letter

Global Id: T0603701838
Action Type: RESPONSE
Date: 11/15/2006
Action: Soil and Water Investigation Workplan

Global Id: T0603701838
Action Type: RESPONSE
Date: 08/08/2011
Action: Clean Up Fund - 5-Year Review Summary

Global Id: T0603701838
Action Type: Other
Date: 11/03/1986
Action: Leak Reported

Global Id: T0603701838
Action Type: RESPONSE
Date: 10/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603701838
Action Type: RESPONSE
Date: 07/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603701838
Action Type: RESPONSE
Date: 12/21/2005
Action: Well Installation Report

Global Id: T0603701838
Action Type: RESPONSE
Date: 01/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603701838
Action Type: RESPONSE
Date: 10/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603701838
Action Type: RESPONSE
Date: 04/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603701838
Action Type: RESPONSE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER ROCKET STATION #6 (Continued)

S104532736

Date:	09/13/2012
Action:	Clean Up Fund - 5-Year Review Summary
Global Id:	T0603701838
Action Type:	RESPONSE
Date:	04/15/2006
Action:	Monitoring Report - Quarterly
Global Id:	T0603701838
Action Type:	RESPONSE
Date:	01/15/2008
Action:	Monitoring Report - Quarterly
Global Id:	T0603701838
Action Type:	RESPONSE
Date:	01/15/2007
Action:	Monitoring Report - Quarterly
Global Id:	T0603701838
Action Type:	RESPONSE
Date:	07/15/2013
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603701838
Action Type:	RESPONSE
Date:	01/15/2013
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603701838
Action Type:	RESPONSE
Date:	10/15/2008
Action:	Monitoring Report - Quarterly
Global Id:	T0603701838
Action Type:	RESPONSE
Date:	04/15/2009
Action:	Monitoring Report - Quarterly
Global Id:	T0603701838
Action Type:	RESPONSE
Date:	01/15/2009
Action:	Monitoring Report - Quarterly
Global Id:	T0603701838
Action Type:	RESPONSE
Date:	07/15/2008
Action:	Monitoring Report - Quarterly
Global Id:	T0603701838
Action Type:	RESPONSE
Date:	01/15/2014
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603701838
Action Type:	RESPONSE
Date:	08/27/2012
Action:	Clean Up Fund - 5-Year Review Summary

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER ROCKET STATION #6 (Continued)

S104532736

Global Id:	T0603701838
Action Type:	ENFORCEMENT
Date:	07/26/2000
Action:	Staff Letter
Global Id:	T0603701838
Action Type:	ENFORCEMENT
Date:	06/15/2009
Action:	Staff Letter
Global Id:	T0603701838
Action Type:	RESPONSE
Date:	07/15/2007
Action:	Monitoring Report - Quarterly
Global Id:	T0603701838
Action Type:	RESPONSE
Date:	07/15/2014
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603701838
Action Type:	ENFORCEMENT
Date:	06/24/2002
Action:	Staff Letter
Global Id:	T0603701838
Action Type:	RESPONSE
Date:	07/15/2009
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603701838
Action Type:	RESPONSE
Date:	07/31/2002
Action:	Other Report / Document
Global Id:	T0603701838
Action Type:	RESPONSE
Date:	01/15/2015
Action:	Monitoring Report - Semi-Annually

LUST REG 4:

Region:	4
Regional Board:	04
County:	Los Angeles
Facility Id:	908061052
Status:	Remedial action (cleanup) Underway
Substance:	Gasoline
Substance Quantity:	Not reported
Local Case No:	Not reported
Case Type:	Groundwater
Abatement Method Used at the Site:	VEFP
Global ID:	T0603701838
W Global ID:	Not reported
Staff:	HDN
Local Agency:	19060
Cross Street:	MAGNOLIA AVE & HENDERSON

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER ROCKET STATION #6 (Continued)

S104532736

Enforcement Type: LET
Date Leak Discovered: 11/3/1986
Date Leak First Reported: 11/3/1986
Date Leak Record Entered: Not reported
Date Confirmation Began: Not reported
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 8/17/2000
Date the Case was Closed: Not reported
How Leak Discovered: OM
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Operator: OLD # 021089-02
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 13549.521192631580313826210287
Source of Cleanup Funding: UNK
Preliminary Site Assessment Workplan Submitted: 7/2/1992
Preliminary Site Assessment Began: 7/2/1992
Pollution Characterization Began: 4/17/2000
Remediation Plan Submitted: 5/19/2000
Remedial Action Underway: 7/19/2000
Post Remedial Action Monitoring Began: 11/3/1986
Enforcement Action Date: 7/26/2000
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: 79
Significant Interim Remedial Action Taken: Yes
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: PAMELA HARPER
RP Address: 4102 ORANGE AVE., SUITE #107-174
Program: LUST
Lat/Long: 33.7899175 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: BENZENE IN WATER 25' BELOW GRADE RE 08/07/95: VACUUM TRUCK REMOVAL
FREE PRODUCT, VE RECOVERY 18000 GALLONS RP IS REQUESTING
"ACKNOWLEDGEMENT/COMMENTS FROM LARWQCB"; 7/19/00 WP FOR ASSESSMENT
ACTIVITIES

AI192
NE
1/4-1/2
0.348 mi.
1839 ft.
**ROCKET #6
465 PACIFIC COAST
LONG BEACH, CA 90806
Site 2 of 2 in cluster AI**

**CA HIST CORTESE S102435967
N/A**

Relative: HIST CORTESE:
Lower Region: CORTESE
Facility County Code: 19
Actual: Reg By: LTNKA
13 ft. Reg Id: 908061052

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

AJ193 UNOCAL #5021
NW 1345 PACIFIC COAST HWY W
1/4-1/2 LONG BEACH, CA 90744
0.351 mi.
1854 ft. Site 1 of 3 in cluster AJ

CA LUST S103891191
N/A

Relative:
Lower

LUST:

Actual:
13 ft.

Region: STATE
Global Id: T0603701653
Latitude: 33.790935676683
Longitude: -118.280734419823
Case Type: LUST Cleanup Site
Status: Open - Site Assessment
Status Date: 07/18/2005
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Worker: DPP
Local Agency: LOS ANGELES, CITY OF
RB Case Number: 907440061
LOC Case Number: Not reported
File Location: Regional Board
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

Contact:

Global Id: T0603701653
Contact Type: Regional Board Caseworker
Contact Name: DANIEL PIROTTON
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: Not reported
City: R4 UNKNOWN
Email: dpirotton@waterboards.ca.gov
Phone Number: 2135766714

Global Id: T0603701653
Contact Type: Local Agency Caseworker
Contact Name: ELOY LUNA
Organization Name: LOS ANGELES, CITY OF
Address: 200 North Main Street, Suite 1780
City: LOS ANGELES
Email: eloy.luna@lacity.org
Phone Number: Not reported

Status History:

Global Id: T0603701653
Status: Open - Site Assessment
Status Date: 07/18/2005

Global Id: T0603701653
Status: Open - Case Begin Date
Status Date: 06/26/1986

Global Id: T0603701653
Status: Open - Remediation
Status Date: 08/24/1993

Global Id: T0603701653

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

UNOCAL #5021 (Continued)

S103891191

Status: Open - Remediation
Status Date: 01/15/2002

Global Id: T0603701653
Status: Open - Site Assessment
Status Date: 10/27/1986

Global Id: T0603701653
Status: Open - Site Assessment
Status Date: 01/15/2002

Regulatory Activities:

Global Id: T0603701653
Action Type: ENFORCEMENT
Date: 01/17/2003
Action: Site Visit / Inspection / Sampling

Global Id: T0603701653
Action Type: ENFORCEMENT
Date: 04/05/2004
Action: Staff Letter

Global Id: T0603701653
Action Type: RESPONSE
Date: 07/15/2002
Action: Interim Remedial Action Report

Global Id: T0603701653
Action Type: RESPONSE
Date: 07/15/2002
Action: Soil and Water Investigation Report

Global Id: T0603701653
Action Type: RESPONSE
Date: 04/15/2003
Action: Soil and Water Investigation Report

Global Id: T0603701653
Action Type: RESPONSE
Date: 07/15/2003
Action: Soil and Water Investigation Report

Global Id: T0603701653
Action Type: RESPONSE
Date: 10/15/2002
Action: Monitoring Report - Quarterly

Global Id: T0603701653
Action Type: RESPONSE
Date: 04/15/2003
Action: Monitoring Report - Quarterly

Global Id: T0603701653
Action Type: RESPONSE
Date: 07/15/2004
Action: Monitoring Report - Quarterly

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

UNOCAL #5021 (Continued)

S103891191

Global Id: T0603701653
Action Type: RESPONSE
Date: 10/15/2004
Action: Soil and Water Investigation Report

Global Id: T0603701653
Action Type: RESPONSE
Date: 04/15/2002
Action: Monitoring Report - Quarterly

Global Id: T0603701653
Action Type: RESPONSE
Date: 07/15/2002
Action: Monitoring Report - Quarterly

Global Id: T0603701653
Action Type: RESPONSE
Date: 01/15/2003
Action: Monitoring Report - Quarterly

Global Id: T0603701653
Action Type: RESPONSE
Date: 04/15/2002
Action: Soil and Water Investigation Report

Global Id: T0603701653
Action Type: RESPONSE
Date: 04/15/2002
Action: Soil and Water Investigation Report

Global Id: T0603701653
Action Type: RESPONSE
Date: 10/15/2002
Action: Soil and Water Investigation Report

Global Id: T0603701653
Action Type: RESPONSE
Date: 01/15/2003
Action: Soil and Water Investigation Report

Global Id: T0603701653
Action Type: RESPONSE
Date: 10/15/2003
Action: Soil and Water Investigation Report

Global Id: T0603701653
Action Type: RESPONSE
Date: 01/15/2004
Action: Soil and Water Investigation Report

Global Id: T0603701653
Action Type: RESPONSE
Date: 01/15/2004
Action: Interim Remedial Action Plan

Global Id: T0603701653
Action Type: RESPONSE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

UNOCAL #5021 (Continued)

S103891191

Date:	10/15/2004
Action:	Soil and Water Investigation Report
Global Id:	T0603701653
Action Type:	ENFORCEMENT
Date:	07/22/2004
Action:	Staff Letter
Global Id:	T0603701653
Action Type:	ENFORCEMENT
Date:	03/24/2005
Action:	Staff Letter
Global Id:	T0603701653
Action Type:	Other
Date:	06/26/1986
Action:	Leak Discovery
Global Id:	T0603701653
Action Type:	RESPONSE
Date:	07/15/2003
Action:	Monitoring Report - Quarterly
Global Id:	T0603701653
Action Type:	RESPONSE
Date:	10/15/2004
Action:	Soil and Water Investigation Report
Global Id:	T0603701653
Action Type:	RESPONSE
Date:	01/15/2004
Action:	Monitoring Report - Quarterly
Global Id:	T0603701653
Action Type:	RESPONSE
Date:	07/15/2004
Action:	Soil and Water Investigation Report
Global Id:	T0603701653
Action Type:	REMEDIATION
Date:	02/13/1996
Action:	Pump & Treat (P&T) Groundwater
Global Id:	T0603701653
Action Type:	REMEDIATION
Date:	02/04/1993
Action:	Soil Vapor Extraction (SVE)
Global Id:	T0603701653
Action Type:	REMEDIATION
Date:	02/04/1993
Action:	Excavation
Global Id:	T0603701653
Action Type:	ENFORCEMENT
Date:	12/20/2005
Action:	Staff Letter

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

UNOCAL #5021 (Continued)

S103891191

Global Id:	T0603701653
Action Type:	RESPONSE
Date:	10/15/2003
Action:	Monitoring Report - Quarterly
Global Id:	T0603701653
Action Type:	RESPONSE
Date:	04/15/2004
Action:	Monitoring Report - Quarterly
Global Id:	T0603701653
Action Type:	RESPONSE
Date:	04/15/2004
Action:	Soil and Water Investigation Report
Global Id:	T0603701653
Action Type:	RESPONSE
Date:	04/15/2008
Action:	Monitoring Report - Quarterly
Global Id:	T0603701653
Action Type:	RESPONSE
Date:	04/15/2008
Action:	Soil and Water Investigation Report
Global Id:	T0603701653
Action Type:	RESPONSE
Date:	01/15/2011
Action:	Conceptual Site Model
Global Id:	T0603701653
Action Type:	RESPONSE
Date:	07/15/2011
Action:	Conceptual Site Model
Global Id:	T0603701653
Action Type:	ENFORCEMENT
Date:	05/02/2007
Action:	Staff Letter
Global Id:	T0603701653
Action Type:	RESPONSE
Date:	07/15/2005
Action:	Soil and Water Investigation Report
Global Id:	T0603701653
Action Type:	RESPONSE
Date:	04/15/2005
Action:	Monitoring Report - Quarterly
Global Id:	T0603701653
Action Type:	RESPONSE
Date:	07/15/2005
Action:	Monitoring Report - Quarterly
Global Id:	T0603701653
Action Type:	RESPONSE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

UNOCAL #5021 (Continued)

S103891191

Date:	10/15/2004
Action:	Monitoring Report - Quarterly
Global Id:	T0603701653
Action Type:	RESPONSE
Date:	01/15/2005
Action:	Monitoring Report - Quarterly
Global Id:	T0603701653
Action Type:	RESPONSE
Date:	01/15/2005
Action:	Soil and Water Investigation Report
Global Id:	T0603701653
Action Type:	RESPONSE
Date:	04/15/2005
Action:	Soil and Water Investigation Report
Global Id:	T0603701653
Action Type:	RESPONSE
Date:	01/15/2006
Action:	Monitoring Report - Quarterly
Global Id:	T0603701653
Action Type:	RESPONSE
Date:	01/15/2012
Action:	Conceptual Site Model
Global Id:	T0603701653
Action Type:	ENFORCEMENT
Date:	03/11/1997
Action:	Staff Letter
Global Id:	T0603701653
Action Type:	Other
Date:	06/26/1986
Action:	Leak Reported
Global Id:	T0603701653
Action Type:	RESPONSE
Date:	01/15/2007
Action:	Monitoring Report - Quarterly
Global Id:	T0603701653
Action Type:	RESPONSE
Date:	01/15/2007
Action:	Soil and Water Investigation Report
Global Id:	T0603701653
Action Type:	RESPONSE
Date:	01/15/2006
Action:	Soil and Water Investigation Report
Global Id:	T0603701653
Action Type:	RESPONSE
Date:	10/15/2005
Action:	Monitoring Report - Quarterly

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

UNOCAL #5021 (Continued)

S103891191

Global Id: T0603701653
Action Type: RESPONSE
Date: 10/15/2005
Action: Soil and Water Investigation Report

Global Id: T0603701653
Action Type: RESPONSE
Date: 07/15/2012
Action: Conceptual Site Model

Global Id: T0603701653
Action Type: RESPONSE
Date: 07/15/2012
Action: Monitoring Report - Semi-Annually

Global Id: T0603701653
Action Type: ENFORCEMENT
Date: 08/04/2004
Action: Staff Letter

Global Id: T0603701653
Action Type: RESPONSE
Date: 10/15/2006
Action: Soil and Water Investigation Report

Global Id: T0603701653
Action Type: RESPONSE
Date: 07/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603701653
Action Type: RESPONSE
Date: 07/15/2006
Action: Soil and Water Investigation Report

Global Id: T0603701653
Action Type: RESPONSE
Date: 04/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603701653
Action Type: RESPONSE
Date: 01/15/2013
Action: Conceptual Site Model

Global Id: T0603701653
Action Type: RESPONSE
Date: 01/15/2013
Action: Monitoring Report - Semi-Annually

Global Id: T0603701653
Action Type: RESPONSE
Date: 10/15/2008
Action: Conceptual Site Model

Global Id: T0603701653
Action Type: RESPONSE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

UNOCAL #5021 (Continued)

S103891191

Date:	07/15/2008
Action:	Monitoring Report - Quarterly
Global Id:	T0603701653
Action Type:	RESPONSE
Date:	04/15/2007
Action:	Monitoring Report - Quarterly
Global Id:	T0603701653
Action Type:	RESPONSE
Date:	04/15/2007
Action:	Soil and Water Investigation Report
Global Id:	T0603701653
Action Type:	RESPONSE
Date:	10/15/2007
Action:	Monitoring Report - Quarterly
Global Id:	T0603701653
Action Type:	RESPONSE
Date:	07/15/2007
Action:	Monitoring Report - Quarterly
Global Id:	T0603701653
Action Type:	RESPONSE
Date:	07/15/2007
Action:	Soil and Water Investigation Report
Global Id:	T0603701653
Action Type:	RESPONSE
Date:	01/15/2014
Action:	Conceptual Site Model
Global Id:	T0603701653
Action Type:	RESPONSE
Date:	07/15/2013
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603701653
Action Type:	RESPONSE
Date:	07/15/2013
Action:	Conceptual Site Model
Global Id:	T0603701653
Action Type:	RESPONSE
Date:	01/15/2014
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603701653
Action Type:	RESPONSE
Date:	07/15/2008
Action:	Monitoring Report - Other
Global Id:	T0603701653
Action Type:	RESPONSE
Date:	07/15/2009
Action:	Monitoring Report - Semi-Annually

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

UNOCAL #5021 (Continued)

S103891191

Global Id:	T0603701653
Action Type:	RESPONSE
Date:	01/15/2009
Action:	Monitoring Report - Quarterly
Global Id:	T0603701653
Action Type:	RESPONSE
Date:	01/15/2009
Action:	Conceptual Site Model
Global Id:	T0603701653
Action Type:	RESPONSE
Date:	01/15/2008
Action:	Monitoring Report - Quarterly
Global Id:	T0603701653
Action Type:	RESPONSE
Date:	01/15/2008
Action:	Soil and Water Investigation Report
Global Id:	T0603701653
Action Type:	RESPONSE
Date:	10/15/2007
Action:	Soil and Water Investigation Report
Global Id:	T0603701653
Action Type:	ENFORCEMENT
Date:	06/15/2009
Action:	Staff Letter
Global Id:	T0603701653
Action Type:	RESPONSE
Date:	04/15/2009
Action:	Monitoring Report - Quarterly
Global Id:	T0603701653
Action Type:	RESPONSE
Date:	01/15/2010
Action:	Conceptual Site Model
Global Id:	T0603701653
Action Type:	RESPONSE
Date:	04/15/2006
Action:	Soil and Water Investigation Report
Global Id:	T0603701653
Action Type:	RESPONSE
Date:	07/15/2004
Action:	Soil and Water Investigation Workplan
Global Id:	T0603701653
Action Type:	RESPONSE
Date:	10/15/2006
Action:	Monitoring Report - Quarterly
Global Id:	T0603701653
Action Type:	RESPONSE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

UNOCAL #5021 (Continued)

S103891191

Date: 01/15/2015
Action: Conceptual Site Model

Global Id: T0603701653
Action Type: ENFORCEMENT
Date: 11/14/2003
Action: Staff Letter

Global Id: T0603701653
Action Type: ENFORCEMENT
Date: 01/15/2002
Action: 13267 Requirement

Global Id: T0603701653
Action Type: RESPONSE
Date: 04/15/2009
Action: Conceptual Site Model

Global Id: T0603701653
Action Type: RESPONSE
Date: 07/15/2010
Action: Conceptual Site Model

LUST REG 4:

Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 907440061
Status: Pollution Characterization
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater
Abatement Method Used at the Site: Remove Free Product
Global ID: T0603701653
W Global ID: Not reported
Staff: HDN
Local Agency: 19050
Cross Street: FIGUEROA
Enforcement Type: DLSEL
Date Leak Discovered: 6/26/1986
Date Leak First Reported: 6/26/1986
Date Leak Record Entered: 8/11/1987
Date Confirmation Began: Not reported
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 10/14/2002
Date the Case was Closed: Not reported
How Leak Discovered: Inventory Control
How Leak Stopped: Not reported
Cause of Leak: Structure Failure
Leak Source: Tank
Operator: Not reported
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 15130.688256759880438104946292
Source of Cleanup Funding: Tank

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

UNOCAL #5021 (Continued)

S103891191

Preliminary Site Assessment Workplan Submitted: 10/27/1986
Preliminary Site Assessment Began: 10/27/1986
Pollution Characterization Began: 6/30/2004
Remediation Plan Submitted: 1/15/2002
Remedial Action Underway: 8/24/1993
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: 1/1/1965
Hist Max MTBE Conc in Groundwater: 11000
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Yes
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: RICHARD WILLIAMS
RP Address: 376 S. VALENCIA AVE.
Program: LUST
Lat/Long: 33.7899827 / -116.21021
Local Agency Staff: PEJ
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: FREE PRODUCT RECOVERY IN PROGRESS.; 7/12/00 2ND QTR GW MON RPT 2000;
10/11/00 3RD QTR GW MON RPT 2000; 12/31/00 4TH QTR GW MON RPT 2000;
4/13/01 1ST QTR MON RPT 2001

AG194
WNW
1/4-1/2
0.354 mi.
1867 ft.
BRANNEN PIPE & SUPPLY
1650 HARBOR AVE
LONG BEACH, CA 90813
Site 3 of 4 in cluster AG

CA HIST CORTESE
CA LUST
CA HIST UST
U001566290
N/A

Relative: HIST CORTESE:
Lower Region: CORTESE
Facility County Code: 19
Actual: Reg By: LTNKA
11 ft. Reg Id: 908130416

LUST:
Region: STATE
Global Id: T0603701955
Latitude: 33.787553
Longitude: -118.21021
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 04/22/1997
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Worker: YR
Local Agency: LONG BEACH, CITY OF
RB Case Number: 908130416
LOC Case Number: Not reported
File Location: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BRANNEN PIPE & SUPPLY (Continued)

U001566290

Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

Contact:

Global Id: T0603701955
Contact Type: Local Agency Caseworker
Contact Name: CARMEN PIRO
Organization Name: LONG BEACH, CITY OF
Address: 2525 GRAND AVE.
City: LONG BEACH
Email: carmen.piro@longbeach.gov
Phone Number: 5625704137

Global Id: T0603701955
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

Status History:

Global Id: T0603701955
Status: Completed - Case Closed
Status Date: 04/22/1997

Global Id: T0603701955
Status: Open - Case Begin Date
Status Date: 12/04/1990

Global Id: T0603701955
Status: Open - Site Assessment
Status Date: 01/04/1991

Regulatory Activities:

Global Id: T0603701955
Action Type: Other
Date: 12/04/1990
Action: Leak Reported

HIST UST:

Region: STATE
Facility ID: 00000047093
Facility Type: Other
Other Type: WHOLESALE PLUMBING
Contact Name: FRANK BRANNON
Telephone: 2134370825
Owner Name: BRANNEN PIPE & SUPPLY
Owner Address: 1650 HARBOR AVE
Owner City,St,Zip: LONG BEACH, CA 90813
Total Tanks: 0002

Tank Num: 001

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BRANNEN PIPE & SUPPLY (Continued)

U001566290

Container Num: 1
Year Installed: 1977
Tank Capacity: 00003000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: 2
Year Installed: 1977
Tank Capacity: 00004000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

**AG195
WNW
1/4-1/2
0.354 mi.
1867 ft.**

**BRANNEN PIPE & SUPPLY
1650 HARBOR BLVD
LONG BEACH, CA 90813
Site 4 of 4 in cluster AG**

**CA LUST S105035303
N/A**

**Relative:
Lower**

LUST REG 4:

**Actual:
11 ft.**

Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 908130416
Status: Case Closed
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: Not reported
Global ID: T0603701955
W Global ID: Not reported
Staff: UNK
Local Agency: 19060
Cross Street: Not reported
Enforcement Type: Not reported
Date Leak Discovered: Not reported
Date Leak First Reported: 12/4/1990
Date Leak Record Entered: 1/31/1991
Date Confirmation Began: Not reported
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 4/14/1997
Date the Case was Closed: 4/22/1997
How Leak Discovered: Not reported
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Operator: OLD CASE #013191-04
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 15858.659219225310499634679799
Source of Cleanup Funding: UNK
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: 1/4/1991

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BRANNEN PIPE & SUPPLY (Continued)

S105035303

Pollution Characterization Began: Not reported
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: BLANK RP
RP Address: 345 N BEACON ST, SAN PEDRO, CA 90731
Program: LUST
Lat/Long: 33.7876347 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: PLEASE REFER TO 1322 017TH ST. FOR ADD'L INFO.

AJ196 **TOSCO - 76 STATION #3568**
NW **1410 PACIFIC COAST HWY W**
1/4-1/2 **LONG BEACH, CA 90810**
0.368 mi.
1942 ft. **Site 2 of 3 in cluster AJ**

CA LUST **S105693836**
N/A

Relative:
Lower

LUST:

Actual:
12 ft.

Region: STATE
Global Id: T0603701670
Latitude: 33.7897387
Longitude: -118.2106317
Case Type: LUST Cleanup Site
Status: Open - Eligible for Closure
Status Date: 06/16/2014
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Worker: MB
Local Agency: LONG BEACH, CITY OF
RB Case Number: 907440252
LOC Case Number: Not reported
File Location: Regional Board
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id: T0603701670
Contact Type: Local Agency Caseworker
Contact Name: CARMEN PIRO
Organization Name: LONG BEACH, CITY OF
Address: 2525 GRAND AVE.
City: LONG BEACH

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TOSCO - 76 STATION #3568 (Continued)

S105693836

Email: carmen.piro@longbeach.gov
Phone Number: 5625704137

Global Id: T0603701670
Contact Type: Regional Board Caseworker
Contact Name: MAGDY BAIADY
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: LOS ANGELES
Email: mbaiady@waterboards.ca.gov
Phone Number: 2135766699

Status History:

Global Id: T0603701670
Status: Open - Site Assessment
Status Date: 01/11/2006

Global Id: T0603701670
Status: Open - Site Assessment
Status Date: 12/11/2006

Global Id: T0603701670
Status: Open - Eligible for Closure
Status Date: 06/16/2014

Global Id: T0603701670
Status: Open - Case Begin Date
Status Date: 05/19/1993

Global Id: T0603701670
Status: Open - Remediation
Status Date: 06/20/2005

Global Id: T0603701670
Status: Open - Remediation
Status Date: 02/02/2011

Global Id: T0603701670
Status: Open - Site Assessment
Status Date: 05/20/1993

Global Id: T0603701670
Status: Open - Site Assessment
Status Date: 04/08/1997

Global Id: T0603701670
Status: Open - Site Assessment
Status Date: 06/29/2002

Regulatory Activities:

Global Id: T0603701670
Action Type: ENFORCEMENT
Date: 05/03/2010
Action: Access Agreement

Global Id: T0603701670

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TOSCO - 76 STATION #3568 (Continued)

S105693836

Action Type:	ENFORCEMENT
Date:	08/04/2014
Action:	Notification - Preclosure
Global Id:	T0603701670
Action Type:	RESPONSE
Date:	10/07/2002
Action:	Monitoring Report - Quarterly
Global Id:	T0603701670
Action Type:	RESPONSE
Date:	07/15/2004
Action:	Monitoring Report - Quarterly
Global Id:	T0603701670
Action Type:	RESPONSE
Date:	04/15/2003
Action:	Monitoring Report - Quarterly
Global Id:	T0603701670
Action Type:	RESPONSE
Date:	04/15/2004
Action:	Monitoring Report - Quarterly
Global Id:	T0603701670
Action Type:	RESPONSE
Date:	01/15/2003
Action:	Monitoring Report - Quarterly
Global Id:	T0603701670
Action Type:	RESPONSE
Date:	11/25/2013
Action:	Request for Closure - Regulator Responded
Global Id:	T0603701670
Action Type:	Other
Date:	05/19/1993
Action:	Leak Discovery
Global Id:	T0603701670
Action Type:	RESPONSE
Date:	07/15/2003
Action:	Monitoring Report - Quarterly
Global Id:	T0603701670
Action Type:	RESPONSE
Date:	10/15/2003
Action:	Monitoring Report - Quarterly
Global Id:	T0603701670
Action Type:	RESPONSE
Date:	01/15/2004
Action:	Monitoring Report - Quarterly
Global Id:	T0603701670
Action Type:	RESPONSE
Date:	10/12/2010

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TOSCO - 76 STATION #3568 (Continued)

S105693836

Action:	Well Installation Report
Global Id:	T0603701670
Action Type:	RESPONSE
Date:	01/15/2011
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603701670
Action Type:	RESPONSE
Date:	10/15/2004
Action:	Monitoring Report - Quarterly
Global Id:	T0603701670
Action Type:	RESPONSE
Date:	07/15/2011
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603701670
Action Type:	REMEDIATION
Date:	03/01/2000
Action:	Pump & Treat (P&T) Groundwater
Global Id:	T0603701670
Action Type:	REMEDIATION
Date:	05/01/1993
Action:	Excavation
Global Id:	T0603701670
Action Type:	REMEDIATION
Date:	11/01/2008
Action:	Soil Vapor Extraction (SVE)
Global Id:	T0603701670
Action Type:	Other
Date:	05/19/1993
Action:	Leak Stopped
Global Id:	T0603701670
Action Type:	RESPONSE
Date:	04/15/2005
Action:	Monitoring Report - Quarterly
Global Id:	T0603701670
Action Type:	RESPONSE
Date:	01/15/2012
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603701670
Action Type:	ENFORCEMENT
Date:	06/25/2008
Action:	Staff Letter
Global Id:	T0603701670
Action Type:	Other
Date:	05/20/1993
Action:	Leak Reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TOSCO - 76 STATION #3568 (Continued)

S105693836

Global Id:	T0603701670
Action Type:	RESPONSE
Date:	10/15/2005
Action:	Monitoring Report - Quarterly
Global Id:	T0603701670
Action Type:	RESPONSE
Date:	07/15/2005
Action:	Monitoring Report - Quarterly
Global Id:	T0603701670
Action Type:	RESPONSE
Date:	07/15/2012
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603701670
Action Type:	RESPONSE
Date:	10/15/2006
Action:	Monitoring Report - Quarterly
Global Id:	T0603701670
Action Type:	RESPONSE
Date:	01/15/2006
Action:	Monitoring Report - Quarterly
Global Id:	T0603701670
Action Type:	RESPONSE
Date:	04/15/2007
Action:	Monitoring Report - Quarterly
Global Id:	T0603701670
Action Type:	RESPONSE
Date:	07/15/2006
Action:	Monitoring Report - Quarterly
Global Id:	T0603701670
Action Type:	RESPONSE
Date:	01/15/2009
Action:	Monitoring Report - Quarterly
Global Id:	T0603701670
Action Type:	RESPONSE
Date:	01/15/2008
Action:	Monitoring Report - Quarterly
Global Id:	T0603701670
Action Type:	RESPONSE
Date:	04/15/2008
Action:	Monitoring Report - Quarterly
Global Id:	T0603701670
Action Type:	RESPONSE
Date:	07/15/2013
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603701670
Action Type:	RESPONSE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TOSCO - 76 STATION #3568 (Continued)

S105693836

Date:	01/15/2013
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603701670
Action Type:	RESPONSE
Date:	01/13/2009
Action:	Remedial Progress Report
Global Id:	T0603701670
Action Type:	RESPONSE
Date:	07/15/2007
Action:	Monitoring Report - Quarterly
Global Id:	T0603701670
Action Type:	RESPONSE
Date:	07/15/2008
Action:	Monitoring Report - Quarterly
Global Id:	T0603701670
Action Type:	RESPONSE
Date:	01/15/2014
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603701670
Action Type:	ENFORCEMENT
Date:	06/15/2009
Action:	Staff Letter
Global Id:	T0603701670
Action Type:	RESPONSE
Date:	07/15/2009
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603701670
Action Type:	RESPONSE
Date:	10/15/2008
Action:	Monitoring Report - Quarterly
Global Id:	T0603701670
Action Type:	RESPONSE
Date:	06/29/2002
Action:	Soil and Water Investigation Workplan
Global Id:	T0603701670
Action Type:	RESPONSE
Date:	10/15/2007
Action:	Monitoring Report - Quarterly
Global Id:	T0603701670
Action Type:	RESPONSE
Date:	01/15/2007
Action:	Soil and Water Investigation Workplan
Global Id:	T0603701670
Action Type:	RESPONSE
Date:	01/15/2007
Action:	Monitoring Report - Quarterly

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TOSCO - 76 STATION #3568 (Continued)

S105693836

Global Id:	T0603701670
Action Type:	RESPONSE
Date:	04/15/2006
Action:	Monitoring Report - Quarterly
Global Id:	T0603701670
Action Type:	RESPONSE
Date:	04/09/2007
Action:	Interim Remedial Action Plan
Global Id:	T0603701670
Action Type:	RESPONSE
Date:	01/15/2010
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603701670
Action Type:	ENFORCEMENT
Date:	05/15/2002
Action:	Staff Letter
Global Id:	T0603701670
Action Type:	RESPONSE
Date:	04/15/2009
Action:	Monitoring Report - Quarterly
Global Id:	T0603701670
Action Type:	RESPONSE
Date:	07/29/2002
Action:	Interim Remedial Action Plan
Global Id:	T0603701670
Action Type:	RESPONSE
Date:	10/15/2002
Action:	Other Workplan
Global Id:	T0603701670
Action Type:	RESPONSE
Date:	07/15/2010
Action:	Monitoring Report - Semi-Annually

LUST REG 4:

Region:	4
Regional Board:	04
County:	Los Angeles
Facility Id:	907440252
Status:	Pollution Characterization
Substance:	Gasoline
Substance Quantity:	Not reported
Local Case No:	Not reported
Case Type:	Groundwater
Abatement Method Used at the Site:	Excavate and Dispose
Global ID:	T0603701670
W Global ID:	Not reported
Staff:	MB
Local Agency:	19060
Cross Street:	HARBOR

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TOSCO - 76 STATION #3568 (Continued)

S105693836

Enforcement Type: SEL
Date Leak Discovered: 5/19/1993
Date Leak First Reported: 5/20/1993
Date Leak Record Entered: 3/18/1993
Date Confirmation Began: Not reported
Date Leak Stopped: 5/19/1993
Date Case Last Changed on Database: 7/15/2002
Date the Case was Closed: Not reported
How Leak Discovered: OM
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: Piping
Operator: NASSAR LABBAF
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 15130.028638620124818068554604
Source of Cleanup Funding: Piping
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: 5/20/1993
Pollution Characterization Began: 6/29/2002
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: 1/1/1965
Hist Max MTBE Conc in Groundwater: 300000
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Yes
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: CHRISTOPHER M. SWARTZ
RP Address: P.O. BOX 25376
Program: LUST
Lat/Long: 33.7897387 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: 7/31/00 2ND QTR STATU RPT; 9/18/00 DUAL-PHASE EXTRACTION PILOT TEST RPT.; 10/31/00 3RD QTR SITE STATUS RPT; 4/12/01 RPT OF ADD'L OFF-SITE GW INVESTIGATION

AJ197 **76 PRODUCTS STATION #3568**
NW **1410 PACIFIC COAST**
1/4-1/2 **LONG BEACH, CA 90810**
0.368 mi.
1942 ft. **Site 3 of 3 in cluster AJ**

CA HIST CORTESE **S102590702**
 N/A

Relative: HIST CORTESE:
Lower Region: CORTESE
 Facility County Code: 19
Actual: Reg By: LTNKA
12 ft. Reg Id: 907440252

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

198
South
1/4-1/2
0.380 mi.
2004 ft.

SANTA FE PACIFIC PIPELINE
DE FOREST AVE
LONG BEACH, CA 90813

CA HIST CORTESE
CA LUST

S102436446
N/A

Relative:
Lower

HIST CORTESE:
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 123091-41

Actual:
11 ft.

LUST REG 4:

Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 123091-41
Status: Preliminary site assessment underway
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: Not reported
Global ID: T0603700221
W Global ID: Not reported
Staff: UNK
Local Agency: 19060
Cross Street: 060TH ST.
Enforcement Type: Not reported
Date Leak Discovered: 10/28/1991
Date Leak First Reported: 11/15/1991
Date Leak Record Entered: 12/20/1991
Date Confirmation Began: Not reported
Date Leak Stopped: 10/28/1991
Date Case Last Changed on Database: 12/5/1991
Date the Case was Closed: Not reported
How Leak Discovered: OM
How Leak Stopped: Not reported
Cause of Leak: Other Cause
Leak Source: Piping
Operator: Not reported
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 13320.555173176177832532799779
Source of Cleanup Funding: Piping
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: 11/15/1991
Pollution Characterization Began: Not reported
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SANTA FE PACIFIC PIPELINE (Continued)

S102436446

Owner Contact: Not reported
Responsible Party: SANTA FE PACIFIC PIPELINE INC.
RP Address: 888 S. FIGUEROA ST., LOS ANGELES, 90017
Program: LUST
Lat/Long: 33.7813686 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: Not reported

199
WSW
1/4-1/2
0.395 mi.
2083 ft.

RUSSELL TRUCK COMPANY
1430 011TH ST W
LONG BEACH, CA 90813

CA HIST CORTESE
CA LUST

S101296837
N/A

Relative:
Lower

HIST CORTESE:
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 908130098

Actual:
8 ft.

LUST:
Region: STATE
Global Id: T0603701924
Latitude: 33.7805018
Longitude: -118.2109155
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 09/13/1996
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Worker: YR
Local Agency: LONG BEACH, CITY OF
RB Case Number: 908130098
LOC Case Number: Not reported
File Location: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id: T0603701924
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

Global Id: T0603701924
Contact Type: Local Agency Caseworker
Contact Name: CARMEN PIRO

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RUSSELL TRUCK COMPANY (Continued)

S101296837

Organization Name: LONG BEACH, CITY OF
Address: 2525 GRAND AVE.
City: LONG BEACH
Email: carmen.piro@longbeach.gov
Phone Number: 5625704137

Status History:

Global Id: T0603701924
Status: Open - Case Begin Date
Status Date: 04/18/1986

Global Id: T0603701924
Status: Open - Remediation
Status Date: 01/07/1988

Global Id: T0603701924
Status: Completed - Case Closed
Status Date: 09/13/1996

Regulatory Activities:

Global Id: T0603701924
Action Type: Other
Date: 04/18/1986
Action: Leak Reported

LUST REG 4:

Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 908130098
Status: Case Closed
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater
Abatement Method Used at the Site: Remove Free Product
Global ID: T0603701924
W Global ID: Not reported
Staff: UNK
Local Agency: 19060
Cross Street: SANTA FE
Enforcement Type: Not reported
Date Leak Discovered: Not reported
Date Leak First Reported: 4/18/1986
Date Leak Record Entered: 12/31/1986
Date Confirmation Began: Not reported
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 3/22/1992
Date the Case was Closed: 9/13/1996
How Leak Discovered: Not reported
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: Tank
Operator: Not reported
Water System: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RUSSELL TRUCK COMPANY (Continued)

S101296837

Well Name: Not reported
Approx. Dist To Production Well (ft): 18135.363357380248516636912581
Source of Cleanup Funding: Tank
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: Not reported
Remediation Plan Submitted: Not reported
Remedial Action Underway: 1/7/1988
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Yes
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: RUSSELL ENTERPRISES
RP Address: P.O. BOX 91135, CITY OF COMMERCE CA 90091
Program: LUST
Lat/Long: 33.7805018 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: SOIL CONTAMINATION REMOVAL COMPLETE. GROUNDWATER NOT YET COMPLETED

200
SW
1/4-1/2
0.405 mi.
2136 ft.

**TIDELANDS OIL
1348 WEST NINTH ST
LONG BEACH, CA 90801**

**CA SLIC S106483758
N/A**

**Relative:
Higher**

SLIC:

**Actual:
15 ft.**

Region: STATE
Facility Status: Completed - Case Closed
Status Date: 06/11/2002
Global Id: SL184621445
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number: Not reported
Latitude: 33.861923
Longitude: -118.175454
Case Type: Cleanup Program Site
Case Worker: GJH
Local Agency: Not reported
RB Case Number: 0603D
File Location: Not reported
Potential Media Affected: Not reported
Potential Contaminants of Concern: Not reported
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AK201
South
1/4-1/2
0.406 mi.
2143 ft.
MTA DIV. 12
970 CHESTER PL W.
LONG BEACH, CA 90813
Site 1 of 2 in cluster AK

CA LUST **S105692204**
N/A

Relative:
Lower

LUST REG 4:

Actual:
11 ft.

Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 908130661
Status: Preliminary site assessment underway
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater
Abatement Method Used at the Site: Not reported
Global ID: T0603757656
W Global ID: Not reported
Staff: HDN
Local Agency: 19060
Cross Street: Not reported
Enforcement Type: SEL
Date Leak Discovered: 8/26/2002
Date Leak First Reported: 11/6/2002
Date Leak Record Entered: Not reported
Date Confirmation Began: Not reported
Date Leak Stopped: Not reported
Date Case Last Changed on Database: Not reported
Date the Case was Closed: Not reported
How Leak Discovered: OM
How Leak Stopped: Close Tank
Cause of Leak: Not reported
Leak Source: P,
Operator: Not reported
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): Not reported
Source of Cleanup Funding: P,
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: 5/28/2003
Pollution Characterization Began: 11/6/2002
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: ROBERT WILLEY
RP Address: 3 HUTTON CENTRE DR., SUITE #20
Program: LUST
Lat/Long: 0 / 0
Local Agency Staff: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MTA DIV. 12 (Continued)

S105692204

Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: Not reported

AK202 LA CO., METROPOLITAN TRANS AUT
South 970 W CHESTER PL
1/4-1/2 LONG BEACH, CA 90813
0.406 mi.
2144 ft. Site 2 of 2 in cluster AK

CA SLIC 1006825733
CA EMI N/A
CA WDS

Relative:
Lower

SLIC:

Actual:
11 ft.

Region: STATE
Facility Status: Open - Site Assessment
Status Date: 05/21/2014
Global Id: T0603757656
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number: Not reported
Latitude: 33.776857
Longitude: -118.203388
Case Type: Cleanup Program Site
Case Worker: COR
Local Agency: LONG BEACH, CITY OF
RB Case Number: 1256
File Location: Regional Board
Potential Media Affected: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

EMI:

Year: 1997
County Code: 19
Air Basin: SC
Facility ID: 43755
Air District Name: SC
SIC Code: 4131
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 1
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers & Smllr Tons/Yr: 0

Year: 1998
County Code: 19
Air Basin: SC
Facility ID: 43755
Air District Name: SC
SIC Code: 4131

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LA CO., METROPOLITAN TRANS AUT (Continued)

1006825733

Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 1
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers & Smllr Tons/Yr: 0

Year: 1999
County Code: 19
Air Basin: SC
Facility ID: 43755
Air District Name: SC
SIC Code: 4131
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 1
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers & Smllr Tons/Yr: 0

Year: 2000
County Code: 19
Air Basin: SC
Facility ID: 43755
Air District Name: SC
SIC Code: 4131
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 1
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers & Smllr Tons/Yr: 0

Year: 2001
County Code: 19
Air Basin: SC
Facility ID: 43755
Air District Name: SC
SIC Code: 4131
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 1
Carbon Monoxide Emissions Tons/Yr: 0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LA CO., METROPOLITAN TRANS AUT (Continued)

1006825733

NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers & Smllr Tons/Yr: 0

WDS:

Facility ID: 4 19I000497
Facility Type: Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number: CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion: 4
Facility Telephone: 2139224730
Facility Contact: LAURY VICTOR
Agency Name: LA CO METRO TRANS AUTH
Agency Address: 1 Gateway Plz
Agency City,St,Zip: Los Angeles 900122952
Agency Contact: URBAN BEN
Agency Telephone: 2139224714
Agency Type: ?
SIC Code: 0
SIC Code 2: Not reported
Primary Waste Type: Not reported
Primary Waste: Not reported
Waste Type2: Not reported
Waste2: Not reported
Primary Waste Type: Not reported
Secondary Waste: Not reported
Secondary Waste Type: Not reported
Design Flow: 0
Baseline Flow: 0
Reclamation: Not reported
POTW: Not reported
Treat To Water: Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity: Category C - Facilities having no waste treatment systems, such as cooling water dischargers or those who must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

203
WNW
1/4-1/2
0.407 mi.
2149 ft.

I-CHEM INTERNATIONAL (FORMER)
1455 16TH ST. W.
LONG BEACH, CA 90813

CA LUST **S106448624**
N/A

Relative:
Lower

LUST:

Actual:
11 ft.

Region: STATE
Global Id: T0603743664
Latitude: 33.787554
Longitude: -118.211719
Case Type: LUST Cleanup Site
Status: Open - Site Assessment
Status Date: 05/06/2004
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Worker: JFL
Local Agency: LONG BEACH, CITY OF
RB Case Number: 908130670
LOC Case Number: Not reported
File Location: Regional Board
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

Contact:

Global Id: T0603743664
Contact Type: Local Agency Caseworker
Contact Name: CARMEN PIRO
Organization Name: LONG BEACH, CITY OF
Address: 2525 GRAND AVE.
City: LONG BEACH
Email: carmen.piro@longbeach.gov
Phone Number: 5625704137

Global Id: T0603743664
Contact Type: Regional Board Caseworker
Contact Name: JOE F. LUERA
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH STREET, SUITE 200
City: LOS ANGELES
Email: jluera@waterboards.ca.gov
Phone Number: Not reported

Status History:

Global Id: T0603743664
Status: Open - Case Begin Date
Status Date: 04/13/2004

Global Id: T0603743664
Status: Open - Site Assessment
Status Date: 05/06/2004

Regulatory Activities:

Global Id: T0603743664
Action Type: Other
Date: 04/13/2004
Action: Leak Discovery

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

I-CHEM INTERNATIONAL (FORMER) (Continued)

S106448624

Global Id:	T0603743664
Action Type:	RESPONSE
Date:	08/30/2004
Action:	Other Report / Document
Global Id:	T0603743664
Action Type:	REMEDIATION
Date:	05/10/2004
Action:	Other (Use Description Field)
Global Id:	T0603743664
Action Type:	ENFORCEMENT
Date:	07/12/2004
Action:	Staff Letter
Global Id:	T0603743664
Action Type:	Other
Date:	05/06/2004
Action:	Leak Reported
Global Id:	T0603743664
Action Type:	ENFORCEMENT
Date:	09/16/2008
Action:	Notice to Comply
Global Id:	T0603743664
Action Type:	ENFORCEMENT
Date:	03/03/2009
Action:	Staff Letter
Global Id:	T0603743664
Action Type:	RESPONSE
Date:	07/15/2009
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603743664
Action Type:	ENFORCEMENT
Date:	06/15/2009
Action:	Staff Letter
Global Id:	T0603743664
Action Type:	RESPONSE
Date:	10/15/2004
Action:	Conceptual Site Model
Global Id:	T0603743664
Action Type:	RESPONSE
Date:	04/15/2009
Action:	Soil and Water Investigation Workplan
Global Id:	T0603743664
Action Type:	RESPONSE
Date:	04/15/2009
Action:	Monitoring Report - Quarterly

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

I-CHEM INTERNATIONAL (FORMER) (Continued)

S106448624

LUST REG 4:

Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facility Id:	908130670	
Status:	Preliminary site assessment underway	
Substance:	Gasoline	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Groundwater	
Abatement Method Used at the Site:	Not reported	
Global ID:	T0603743664	
W Global ID:	Not reported	
Staff:	GK	
Local Agency:	19060	
Cross Street:	Not reported	
Enforcement Type:	Not reported	
Date Leak Discovered:	4/13/2004	
Date Leak First Reported:	5/6/2004	
Date Leak Record Entered:	Not reported	
Date Confirmation Began:	5/6/2004	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:	Not reported	
Date the Case was Closed:	Not reported	
How Leak Discovered:	OM	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	UNK	
Operator:	Not reported	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):	Not reported	
Source of Cleanup Funding:	UNK	
Preliminary Site Assessment Workplan Submitted:	Not reported	
Preliminary Site Assessment Began:	5/6/2004	
Pollution Characterization Began:	Not reported	
Remediation Plan Submitted:	Not reported	
Remedial Action Underway:	Not reported	
Post Remedial Action Monitoring Began:	Not reported	
Enforcement Action Date:	Not reported	
Historical Max MTBE Date:	Not reported	
Hist Max MTBE Conc in Groundwater:	Not reported	
Hist Max MTBE Conc in Soil:	Not reported	
Significant Interim Remedial Action Taken:	Not reported	
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	GUIDO HAUG	
RP Address:	6621 E. PACIFIC COAST HWY.	
Program:	LUST	
Lat/Long:	0 / 0	
Local Agency Staff:	Not reported	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

I-CHEM INTERNATIONAL (FORMER) (Continued)

S106448624

Assigned Name: Not reported
Summary: Not reported

AL204
West
1/4-1/2
0.420 mi.
2218 ft.
FORMER COMMERCIAL TRUCK BODIES
1468 14TH ST W
LONG BEACH, CA 90813
Site 1 of 2 in cluster AL

CA LUST **S110071400**
N/A

Relative:
Lower

LUST:

Actual:
9 ft.

Region: STATE
Global Id: T0603701923
Latitude: 33.7836060490976
Longitude: -118.211951851845
Case Type: LUST Cleanup Site
Status: Open - Remediation
Status Date: 02/22/2006
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Worker: DMB
Local Agency: LONG BEACH, CITY OF
RB Case Number: 908130089
LOC Case Number: Not reported
File Location: Regional Board
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

Contact:

Global Id: T0603701923
Contact Type: Local Agency Caseworker
Contact Name: CARMEN PIRO
Organization Name: LONG BEACH, CITY OF
Address: 2525 GRAND AVE.
City: LONG BEACH
Email: carmen.piro@longbeach.gov
Phone Number: 5625704137

Global Id: T0603701923
Contact Type: Regional Board Caseworker
Contact Name: DAVID M. BJOSTAD
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4th Street, Suite 200
City: Los Angeles
Email: dbjostad@waterboards.ca.gov
Phone Number: Not reported

Status History:

Global Id: T0603701923
Status: Open - Verification Monitoring
Status Date: 10/29/1984

Global Id: T0603701923
Status: Open - Case Begin Date
Status Date: 10/29/1984

Global Id: T0603701923

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER COMMERCIAL TRUCK BODIES (Continued)

S110071400

Status: Open - Remediation
Status Date: 12/13/2001

Global Id: T0603701923
Status: Open - Remediation
Status Date: 02/22/2006

Global Id: T0603701923
Status: Open - Site Assessment
Status Date: 11/19/2001

Regulatory Activities:

Global Id: T0603701923
Action Type: RESPONSE
Date: 10/15/2002
Action: Monitoring Report - Quarterly

Global Id: T0603701923
Action Type: RESPONSE
Date: 01/15/2003
Action: Monitoring Report - Quarterly

Global Id: T0603701923
Action Type: RESPONSE
Date: 07/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0603701923
Action Type: RESPONSE
Date: 04/01/2013
Action: Corrective Action Plan / Remedial Action Plan - Regulator Responded

Global Id: T0603701923
Action Type: RESPONSE
Date: 01/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0603701923
Action Type: RESPONSE
Date: 07/15/2003
Action: Monitoring Report - Quarterly

Global Id: T0603701923
Action Type: RESPONSE
Date: 01/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603701923
Action Type: RESPONSE
Date: 10/15/2003
Action: Monitoring Report - Quarterly

Global Id: T0603701923
Action Type: REMEDIATION
Date: 12/13/1984
Action: Free Product Removal

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER COMMERCIAL TRUCK BODIES (Continued)

S110071400

Global Id:	T0603701923
Action Type:	RESPONSE
Date:	04/15/2004
Action:	Monitoring Report - Quarterly
Global Id:	T0603701923
Action Type:	REMEDIATION
Date:	01/11/2008
Action:	Pump & Treat (P&T) Groundwater
Global Id:	T0603701923
Action Type:	REMEDIATION
Date:	10/01/1984
Action:	Excavation
Global Id:	T0603701923
Action Type:	REMEDIATION
Date:	02/22/2006
Action:	Soil Vapor Extraction (SVE)
Global Id:	T0603701923
Action Type:	REMEDIATION
Date:	06/30/2014
Action:	Dual Phase Extraction
Global Id:	T0603701923
Action Type:	REMEDIATION
Date:	06/30/2014
Action:	Dual Phase Extraction
Global Id:	T0603701923
Action Type:	REMEDIATION
Date:	12/05/2012
Action:	Free Product Removal
Global Id:	T0603701923
Action Type:	ENFORCEMENT
Date:	07/29/2011
Action:	Health and Safety Code Section 25296.10(c)
Global Id:	T0603701923
Action Type:	RESPONSE
Date:	10/15/2004
Action:	Monitoring Report - Quarterly
Global Id:	T0603701923
Action Type:	RESPONSE
Date:	04/15/2005
Action:	Monitoring Report - Quarterly
Global Id:	T0603701923
Action Type:	RESPONSE
Date:	07/15/2005
Action:	Monitoring Report - Quarterly
Global Id:	T0603701923
Action Type:	RESPONSE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER COMMERCIAL TRUCK BODIES (Continued)

S110071400

Date:	09/15/2011
Action:	Other Report / Document
Global Id:	T0603701923
Action Type:	Other
Date:	10/29/1984
Action:	Leak Reported
Global Id:	T0603701923
Action Type:	RESPONSE
Date:	10/15/2005
Action:	Monitoring Report - Quarterly
Global Id:	T0603701923
Action Type:	RESPONSE
Date:	01/15/2006
Action:	Monitoring Report - Quarterly
Global Id:	T0603701923
Action Type:	RESPONSE
Date:	12/21/2012
Action:	Soil and Water Investigation Report
Global Id:	T0603701923
Action Type:	RESPONSE
Date:	02/28/2013
Action:	Pilot Study/ Treatability Report
Global Id:	T0603701923
Action Type:	RESPONSE
Date:	01/15/2013
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603701923
Action Type:	ENFORCEMENT
Date:	05/28/2013
Action:	Staff Letter
Global Id:	T0603701923
Action Type:	ENFORCEMENT
Date:	07/10/2012
Action:	Staff Letter
Global Id:	T0603701923
Action Type:	RESPONSE
Date:	04/15/2006
Action:	Monitoring Report - Quarterly
Global Id:	T0603701923
Action Type:	RESPONSE
Date:	07/15/2006
Action:	Monitoring Report - Quarterly
Global Id:	T0603701923
Action Type:	RESPONSE
Date:	09/15/2011
Action:	Pilot Study / Treatability Workplan

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER COMMERCIAL TRUCK BODIES (Continued)

S110071400

Global Id:	T0603701923
Action Type:	RESPONSE
Date:	11/30/2012
Action:	Site Assessment Report
Global Id:	T0603701923
Action Type:	RESPONSE
Date:	10/15/2013
Action:	Well Installation Report
Global Id:	T0603701923
Action Type:	RESPONSE
Date:	01/15/2007
Action:	Monitoring Report - Quarterly
Global Id:	T0603701923
Action Type:	RESPONSE
Date:	04/15/2007
Action:	Monitoring Report - Quarterly
Global Id:	T0603701923
Action Type:	RESPONSE
Date:	10/15/2007
Action:	Monitoring Report - Quarterly
Global Id:	T0603701923
Action Type:	RESPONSE
Date:	07/15/2013
Action:	Remedial Progress Report
Global Id:	T0603701923
Action Type:	RESPONSE
Date:	07/15/2013
Action:	Electronic Reporting Submittal Due
Global Id:	T0603701923
Action Type:	RESPONSE
Date:	07/15/2013
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603701923
Action Type:	ENFORCEMENT
Date:	03/03/2009
Action:	Staff Letter
Global Id:	T0603701923
Action Type:	ENFORCEMENT
Date:	04/26/2000
Action:	Site Visit / Inspection / Sampling
Global Id:	T0603701923
Action Type:	ENFORCEMENT
Date:	06/19/2001
Action:	Site Visit / Inspection / Sampling
Global Id:	T0603701923
Action Type:	ENFORCEMENT

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER COMMERCIAL TRUCK BODIES (Continued)

S110071400

Date:	04/19/2001
Action:	Staff Letter
Global Id:	T0603701923
Action Type:	RESPONSE
Date:	01/15/2009
Action:	Monitoring Report - Quarterly
Global Id:	T0603701923
Action Type:	RESPONSE
Date:	01/15/2009
Action:	Remedial Progress Report
Global Id:	T0603701923
Action Type:	RESPONSE
Date:	05/31/2001
Action:	Interim Remedial Action Plan
Global Id:	T0603701923
Action Type:	RESPONSE
Date:	04/15/2008
Action:	Monitoring Report - Quarterly
Global Id:	T0603701923
Action Type:	RESPONSE
Date:	07/31/2002
Action:	Other Report / Document
Global Id:	T0603701923
Action Type:	RESPONSE
Date:	08/30/2013
Action:	Well Installation Report
Global Id:	T0603701923
Action Type:	RESPONSE
Date:	10/15/2014
Action:	Monitoring Report - Quarterly
Global Id:	T0603701923
Action Type:	RESPONSE
Date:	01/15/2015
Action:	Remedial Progress Report
Global Id:	T0603701923
Action Type:	ENFORCEMENT
Date:	09/12/2000
Action:	Staff Letter
Global Id:	T0603701923
Action Type:	ENFORCEMENT
Date:	06/15/2009
Action:	Staff Letter
Global Id:	T0603701923
Action Type:	RESPONSE
Date:	09/15/2011
Action:	Interim Remedial Action Plan

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER COMMERCIAL TRUCK BODIES (Continued)

S110071400

Global Id:	T0603701923
Action Type:	RESPONSE
Date:	10/15/2008
Action:	Monitoring Report - Quarterly
Global Id:	T0603701923
Action Type:	RESPONSE
Date:	01/15/2012
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603701923
Action Type:	RESPONSE
Date:	09/15/2011
Action:	Soil and Water Investigation Workplan - Addendum
Global Id:	T0603701923
Action Type:	RESPONSE
Date:	11/30/2012
Action:	Remedial Progress Report
Global Id:	T0603701923
Action Type:	RESPONSE
Date:	07/15/2002
Action:	Monitoring Report - Quarterly
Global Id:	T0603701923
Action Type:	RESPONSE
Date:	07/15/2007
Action:	Monitoring Report - Quarterly
Global Id:	T0603701923
Action Type:	RESPONSE
Date:	01/15/2008
Action:	Monitoring Report - Quarterly
Global Id:	T0603701923
Action Type:	RESPONSE
Date:	07/15/2008
Action:	Monitoring Report - Quarterly
Global Id:	T0603701923
Action Type:	RESPONSE
Date:	07/15/2014
Action:	Remedial Progress Report
Global Id:	T0603701923
Action Type:	RESPONSE
Date:	01/15/2015
Action:	Monitoring Report - Quarterly
Global Id:	T0603701923
Action Type:	RESPONSE
Date:	10/15/2014
Action:	Remedial Progress Report
Global Id:	T0603701923
Action Type:	ENFORCEMENT

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER COMMERCIAL TRUCK BODIES (Continued)

S110071400

Date: 06/17/2002
Action: Staff Letter

Global Id: T0603701923
Action Type: ENFORCEMENT
Date: 12/13/2001
Action: Staff Letter

Global Id: T0603701923
Action Type: ENFORCEMENT
Date: 12/07/2009
Action: Technical Correspondence / Assistance / Other

Global Id: T0603701923
Action Type: RESPONSE
Date: 02/03/2003
Action: Soil and Water Investigation Report

Global Id: T0603701923
Action Type: RESPONSE
Date: 02/03/2003
Action: Final Remedial Action Report / Corrective Action Report

Global Id: T0603701923
Action Type: RESPONSE
Date: 04/15/2002
Action: Monitoring Report - Quarterly

Global Id: T0603701923
Action Type: RESPONSE
Date: 04/15/2003
Action: Monitoring Report - Quarterly

Global Id: T0603701923
Action Type: RESPONSE
Date: 07/15/2014
Action: Monitoring Report - Semi-Annually

AL205
West
1/4-1/2
0.433 mi.
2284 ft.

COMMERCIAL TRUCK BODIES
1468 014TH
LONG BEACH, CA 90813
Site 2 of 2 in cluster AL

CA HIST CORTESE
CA LUST

S101296839
N/A

Relative: HIST CORTESE:
Lower Region: CORTESE
Facility County Code: 19
Actual: Reg By: LTNKA
9 ft. Reg Id: 908130089

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 908130089
Status: Remediation Plan

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

COMMERCIAL TRUCK BODIES (Continued)

S101296839

Substance:	Gasoline	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Groundwater	
Abatement Method Used at the Site:	Remove Free Product	
Global ID:	T0603701923	
W Global ID:	Not reported	
Staff:	HSP	
Local Agency:	19060	
Cross Street:	CASPIAN	
Enforcement Type:	LET	
Date Leak Discovered:	Not reported	
Date Leak First Reported:	10/29/1984	
Date Leak Record Entered:	12/31/1986	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:	6/24/2002	
Date the Case was Closed:	Not reported	
How Leak Discovered:	Not reported	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	UNK	
Operator:	Not reported	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):	17022.979467648796558785860525	
Source of Cleanup Funding:	UNK	
Preliminary Site Assessment Workplan Submitted:	Not reported	
Preliminary Site Assessment Began:	Not reported	
Pollution Characterization Began:	11/19/2001	
Remediation Plan Submitted:	12/13/2001	
Remedial Action Underway:	Not reported	
Post Remedial Action Monitoring Began:	10/29/1984	
Enforcement Action Date:	Not reported	
Historical Max MTBE Date:	5/25/2001	
Hist Max MTBE Conc in Groundwater:	2020	
Hist Max MTBE Conc in Soil:	Not reported	
Significant Interim Remedial Action Taken:	Yes	
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	MR. RICHARD T. SMITH	
RP Address:	350 YELLOW ROSE DR.	
Program:	LUST	
Lat/Long:	33.7835958 / -1	
Local Agency Staff:	Not reported	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	
Assigned Name:	Not reported	
Summary:	8/7/00 GW MON RPT; 1/18/01 SUBSURFACE SOIL AND GW ASSESSMENT RPT	

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AM206
SW
1/4-1/2
0.440 mi.
2322 ft.
TIDELAND OIL
1348 009TH
LONG BEACH, CA 90813
Site 1 of 2 in cluster AM

CA SLIC
S103546764
N/A

Relative:
Lower
Actual:
6 ft.
SLIC REG 4:
Region: 4
Facility Status: No further action required
SLIC: 0603D
Substance: TPH
Staff: GJH

207
NW
1/4-1/2
0.453 mi.
2390 ft.
CASTLE CAR WASH
1500 PACIFIC COAST HWY W
LONG BEACH, CA 90813

CA HIST CORTESE
CA LUST
S101296766
N/A

Relative:
Lower
Actual:
12 ft.
HIST CORTESE:
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 908100143

LUST:
Region: STATE
Global Id: T0603701908
Latitude: 33.789397
Longitude: -118.21239
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 04/17/1998
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Worker: DK
Local Agency: LONG BEACH, CITY OF
RB Case Number: 908100143
LOC Case Number: Not reported
File Location: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

Contact:
Global Id: T0603701908
Contact Type: Local Agency Caseworker
Contact Name: CARMEN PIRO
Organization Name: LONG BEACH, CITY OF
Address: 2525 GRAND AVE.
City: LONG BEACH
Email: carmen.piro@longbeach.gov
Phone Number: 5625704137

Global Id: T0603701908
Contact Type: Regional Board Caseworker
Contact Name: DAVID KOO
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CASTLE CAR WASH (Continued)

S101296766

City: R4 UNKNOWN
Email: dkoo@waterboards.ca.gov
Phone Number: Not reported

Status History:

Global Id: T0603701908
Status: Completed - Case Closed
Status Date: 04/17/1998

Global Id: T0603701908
Status: Open - Case Begin Date
Status Date: 12/27/1993

Global Id: T0603701908
Status: Open - Site Assessment
Status Date: 06/25/1997

Regulatory Activities:

Global Id: T0603701908
Action Type: ENFORCEMENT
Date: 04/17/1998
Action: Closure/No Further Action Letter

Global Id: T0603701908
Action Type: Other
Date: 12/27/1993
Action: Leak Reported

LUST REG 4:

Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 908100143
Status: Case Closed
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater
Abatement Method Used at the Site: Not reported
Global ID: T0603701908
W Global ID: Not reported
Staff: DK
Local Agency: 19060
Cross Street: CASPIAN AVE
Enforcement Type: Not reported
Date Leak Discovered: Not reported
Date Leak First Reported: 12/27/1993
Date Leak Record Entered: 2/22/1994
Date Confirmation Began: Not reported
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 6/25/1998
Date the Case was Closed: 4/17/1998
How Leak Discovered: Not reported
How Leak Stopped: Not reported
Cause of Leak: UNK

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CASTLE CAR WASH (Continued)

S101296766

Leak Source: UNK
Operator: OLD # 121294-48
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 14934.8039060330469763755088
Source of Cleanup Funding: UNK
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: 6/25/1997
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: 1/1/1965
Hist Max MTBE Conc in Groundwater: 130
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: CASTLE CAR WASH
RP Address: 1500 W. PACIFIC COAST HIGHWAY, LONG BEACH, CA 90810
Program: LUST
Lat/Long: 33.7896837 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: 10/22/96 - GW MON. RPT. 06/20/97 -
WP FOR GW MON. 02/13/98 - GW
SAMPLING RPT-1ST QTR 1998 06/25/98 - GW MON WELLS
ABANDONMENT RPT

AN208
WNW
1/4-1/2
0.468 mi.
2472 ft.
PRINT L.A. INC.
1520 016TH ST W
LONG BEACH, CA 90813
Site 1 of 2 in cluster AN

CA LUST **S111711271**
N/A

Relative:
Lower

LUST:

Actual:
10 ft.

Region: STATE
Global Id: T0603701959
Latitude: 33.7870927
Longitude: -118.2124727
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 04/18/2013
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Worker: GK
Local Agency: LONG BEACH, CITY OF
RB Case Number: 908130489
LOC Case Number: Not reported
File Location: Not reported
Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRINT L.A. INC. (Continued)

S111711271

Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

Contact:

Global Id:	T0603701959
Contact Type:	Local Agency Caseworker
Contact Name:	CARMEN PIRO
Organization Name:	LONG BEACH, CITY OF
Address:	2525 GRAND AVE.
City:	LONG BEACH
Email:	carmen.piro@longbeach.gov
Phone Number:	5625704137
Global Id:	T0603701959
Contact Type:	Regional Board Caseworker
Contact Name:	GREGG KWEY
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 WEST 4TH ST. SUITE 200- 1ST FLOOR
City:	R4 UNKNOWN, LOS ANGELES
Email:	gkwey@waterboards.ca.gov
Phone Number:	2135766702

Status History:

Global Id:	T0603701959
Status:	Completed - Case Closed
Status Date:	04/18/2013
Global Id:	T0603701959
Status:	Open - Case Begin Date
Status Date:	02/27/1990
Global Id:	T0603701959
Status:	Open - Remediation
Status Date:	02/27/1990

Regulatory Activities:

Global Id:	T0603701959
Action Type:	Other
Date:	02/27/1990
Action:	Leak Discovery
Global Id:	T0603701959
Action Type:	ENFORCEMENT
Date:	05/04/2011
Action:	Referral to Regional Board
Global Id:	T0603701959
Action Type:	Other
Date:	02/27/1990
Action:	Leak Stopped
Global Id:	T0603701959
Action Type:	Other
Date:	06/06/1990
Action:	Leak Reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

209
WNW
1/4-1/2
0.469 mi.
2478 ft.

EAGLE INDUSTRIES (ILLEGALLY RMVD 3)
1517 W ESTHER ST
LONG BEACH, CA

CA LUST **U003660690**
CA UST **N/A**

Relative:
Lower

LUST:

Actual:
11 ft.

Region: STATE
Global Id: T0603792998
Latitude: 33.7891389951228
Longitude: -118.21259021759
Case Type: LUST Cleanup Site
Status: Open - Eligible for Closure
Status Date: 04/09/2014
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Worker: DMB
Local Agency: LONG BEACH, CITY OF
RB Case Number: 908130634
LOC Case Number: Not reported
File Location: Regional Board
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

Contact:

Global Id: T0603792998
Contact Type: Local Agency Caseworker
Contact Name: CARMEN PIRO
Organization Name: LONG BEACH, CITY OF
Address: 2525 GRAND AVE.
City: LONG BEACH
Email: carmen.piro@longbeach.gov
Phone Number: 5625704137

Global Id: T0603792998
Contact Type: Regional Board Caseworker
Contact Name: DAVID M. BJOSTAD
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4th Street, Suite 200
City: Los Angeles
Email: dbjostad@waterboards.ca.gov
Phone Number: Not reported

Status History:

Global Id: T0603792998
Status: Open - Verification Monitoring
Status Date: 06/22/2000

Global Id: T0603792998
Status: Open - Eligible for Closure
Status Date: 04/09/2014

Global Id: T0603792998
Status: Open - Case Begin Date
Status Date: 04/01/2000

Global Id: T0603792998

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EAGLE INDUSTRIES (ILLEGALLY RMVD 3) (Continued)

U003660690

Status:	Open - Site Assessment
Status Date:	08/18/2000
Regulatory Activities:	
Global Id:	T0603792998
Action Type:	RESPONSE
Date:	08/15/2009
Action:	Soil and Water Investigation Report
Global Id:	T0603792998
Action Type:	ENFORCEMENT
Date:	04/11/2011
Action:	Health and Safety Code Section 25296.10(c)
Global Id:	T0603792998
Action Type:	Other
Date:	04/01/2000
Action:	Leak Discovery
Global Id:	T0603792998
Action Type:	RESPONSE
Date:	09/06/2002
Action:	Soil and Water Investigation Workplan
Global Id:	T0603792998
Action Type:	RESPONSE
Date:	04/26/2000
Action:	Site Assessment Report
Global Id:	T0603792998
Action Type:	RESPONSE
Date:	11/07/2011
Action:	Other Report / Document
Global Id:	T0603792998
Action Type:	RESPONSE
Date:	09/01/2011
Action:	Preliminary Site Assessment Report
Global Id:	T0603792998
Action Type:	ENFORCEMENT
Date:	06/17/2002
Action:	Staff Letter
Global Id:	T0603792998
Action Type:	ENFORCEMENT
Date:	07/31/2002
Action:	Staff Letter
Global Id:	T0603792998
Action Type:	ENFORCEMENT
Date:	06/14/2002
Action:	Staff Letter
Global Id:	T0603792998
Action Type:	ENFORCEMENT
Date:	10/15/2013

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EAGLE INDUSTRIES (ILLEGALLY RMVD 3) (Continued)

U003660690

Action: Notification - Public Participation Document

Global Id: T0603792998

Action Type: Other

Date: 06/22/2000

Action: Leak Reported

Global Id: T0603792998

Action Type: RESPONSE

Date: 09/25/2012

Action: Soil and Water Investigation Report

Global Id: T0603792998

Action Type: ENFORCEMENT

Date: 09/16/2008

Action: Notice to Comply

Global Id: T0603792998

Action Type: ENFORCEMENT

Date: 11/07/2002

Action: Staff Letter

Global Id: T0603792998

Action Type: ENFORCEMENT

Date: 05/04/2009

Action: Staff Letter

Global Id: T0603792998

Action Type: RESPONSE

Date: 07/30/2011

Action: Soil and Water Investigation Report

Global Id: T0603792998

Action Type: ENFORCEMENT

Date: 04/01/2014

Action: State Water Board Closure Order

Global Id: T0603792998

Action Type: RESPONSE

Date: 07/30/2011

Action: Other Report / Document

Global Id: T0603792998

Action Type: RESPONSE

Date: 09/05/2002

Action: Soil and Water Investigation Workplan

LUST REG 4:

Region: 4

Regional Board: 04

County: Los Angeles

Facility Id: 908130634

Status: Preliminary site assessment workplan submitted

Substance: Gasoline

Substance Quantity: Not reported

Local Case No: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EAGLE INDUSTRIES (ILLEGALLY RMVD 3) (Continued)

U003660690

Case Type: Groundwater
Abatement Method Used at the Site: OT
Global ID: T0603792998
W Global ID: Not reported
Staff: NC
Local Agency: 19060
Cross Street: CASPIAN
Enforcement Type: SEL
Date Leak Discovered: 4/1/2000
Date Leak First Reported: 6/22/2000
Date Leak Record Entered: Not reported
Date Confirmation Began: Not reported
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 9/6/2002
Date the Case was Closed: Not reported
How Leak Discovered: OM
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Operator: Not reported
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 15148.227026517451692643760163
Source of Cleanup Funding: UNK
Preliminary Site Assessment Workplan Submitted: 8/18/2000
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: Not reported
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: 6/22/2000
Enforcement Action Date: 8/18/2000
Historical Max MTBE Date: 4/13/2000
Hist Max MTBE Conc in Groundwater: 1
Hist Max MTBE Conc in Soil: .005
Significant Interim Remedial Action Taken: Unknown
GW Qualifier: <
Soil Qualifier: <
Organization: Not reported
Owner Contact: Not reported
Responsible Party: NORMAN DILLINGER
RP Address: 1517 W. ESTHER ST.
Program: LUST
Lat/Long: 33.788863 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: Not reported

LONG BEACH UST:

DATA AS OF 02/25/2014:

Region: LONG BEACH
Tanks: OT
Tank Test: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EAGLE INDUSTRIES (ILLEGALLY RMVD 3) (Continued)

U003660690

Leak Test: Not reported
Tank Status: Not reported

AM210
SW
1/4-1/2
0.475 mi.
2506 ft.
SULLIVAN CHEM CO INC
1470 W 9TH ST
LONG BEACH, CA 90813
Site 2 of 2 in cluster AM

CERC-NFRAP **1003878832**
CAD981170368

Relative:
Lower

CERC-NFRAP:
Site ID: 0902276
Federal Facility: Not a Federal Facility
NPL Status: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

Actual:
7 ft.

CERCLIS-NFRAP Site Contact Details:

Contact Sequence ID: 13288004.00000
Person ID: 13003854.00000

Contact Sequence ID: 13293599.00000
Person ID: 13003858.00000

Contact Sequence ID: 13299457.00000
Person ID: 13004003.00000

CERCLIS-NFRAP Site Alias Name(s):

Alias Name: DRITROL CO
Alias Address: Not reported
CA

CERCLIS-NFRAP Assessment History:

Action: DISCOVERY
Date Started: / /
Date Completed: 01/01/86
Priority Level: Not reported

Action: ARCHIVE SITE
Date Started: / /
Date Completed: 05/01/86
Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT
Date Started: 11/01/85
Date Completed: 05/01/86
Priority Level: NFRAP-Site does not qualify for the NPL based on existing information

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AO211 TRANS WORLD OIL CORPORATION
WSW 1532 ANAHEIM ST W
1/4-1/2 LONG BEACH, CA 90813
0.480 mi.
2534 ft. Site 1 of 2 in cluster AO

CA LUST S103891110
N/A

Relative:
Lower

LUST:

Actual:
8 ft.

Region: STATE
Global Id: T0603701837
Latitude: 33.7825908
Longitude: -118.2126446
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 12/31/1997
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Worker: JW
Local Agency: LONG BEACH, CITY OF
RB Case Number: 908061043
LOC Case Number: Not reported
File Location: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Diesel
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

Contact:

Global Id: T0603701837
Contact Type: Regional Board Caseworker
Contact Name: JIMMIE WOO
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 WEST 4TH STREET, SUITE 200
City: LOS ANGELES
Email: jwoo@waterboards.ca.gov
Phone Number: 2135766600

Global Id: T0603701837
Contact Type: Local Agency Caseworker
Contact Name: CARMEN PIRO
Organization Name: LONG BEACH, CITY OF
Address: 2525 GRAND AVE.
City: LONG BEACH
Email: carmen.piro@longbeach.gov
Phone Number: 5625704137

Status History:

Global Id: T0603701837
Status: Completed - Case Closed
Status Date: 12/31/1997

Global Id: T0603701837
Status: Open - Case Begin Date
Status Date: 09/15/1988

Global Id: T0603701837
Status: Open - Site Assessment
Status Date: 09/15/1988

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TRANS WORLD OIL CORPORATION (Continued)

S103891110

Regulatory Activities:

Global Id: T0603701837
Action Type: Other
Date: 09/15/1988
Action: Leak Reported

LUST REG 4:

Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 908061043
Status: Case Closed
Substance: Diesel
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater
Abatement Method Used at the Site: Not reported
Global ID: T0603701837
W Global ID: Not reported
Staff: JW
Local Agency: 19060
Cross Street: Not reported
Enforcement Type: Not reported
Date Leak Discovered: Not reported
Date Leak First Reported: 9/15/1988
Date Leak Record Entered: 9/10/1988
Date Confirmation Began: Not reported
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 6/13/1997
Date the Case was Closed: 12/31/1997
How Leak Discovered: Not reported
How Leak Stopped: Not reported
Cause of Leak: Not reported
Leak Source: Not reported
Operator: Not reported
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 17231.332930766640031646518397
Source of Cleanup Funding: Not reported
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: 9/15/1988
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: BLANK RP

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TRANS WORLD OIL CORPORATION (Continued)

S103891110

RP Address: 1560 W. ANAHEIM ST., LONG BEACH, CA 90806
Program: LUST
Lat/Long: 33.7825908 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: 4/30/97 - INFORMATION LETTER SENT & FOLLOW-UP. 06/5/97 -
COUNTY ASSESSOR REVIEW (FIRST & SECOND FLOOR) 06/5/97 -
INFORMATION LETTER SENT & FOLLOW-UP. SITE CLOSED BY CITY
OF LONG BEACH ON MARCH 22

AP212 SNYDER MFG CORPORATION
West 1541 COWLES
1/4-1/2 LONG BEACH, CA 90813
0.488 mi.
2576 ft. Site 1 of 2 in cluster AP

CA HIST CORTESE S105024524
LA Co. Site Mitigation N/A

Relative: HIST CORTESE:
Lower Region: CORTESE
Facility County Code: 19
Actual: Reg By: CALSI
9 ft. Reg Id: 19280503

LA Co. Site Mitigation:

Facility ID: Not reported
Site ID: Not reported
Jurisdiction: Not reported
Case ID: Not reported
Abated: Not reported
Assigned To: Not reported
Entered Date: Not reported

213 ARCO MARINE TERMINAL 2
SW 1300 PIER B
1/4-1/2 LONG BEACH, CA 90813
0.488 mi.
2578 ft.

CA NPDES S103878658
CA SLIC N/A
CA CHMIRS
CA ENF

Relative: NPDES:
Lower Npdes Number: CAG674001
Facility Status: Active
Actual: Agency Id: 544113
10 ft. Region: 4
Regulatory Measure Id: 370064
Order No: R4-2009-0068
Regulatory Measure Type: Enrollee
Place Id: 238553
WDID: 4B199400002
Program Type: NPDNONMUNIPRCS
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: 10/22/2009
Expiration Date Of Regulatory Measure: 06/04/2014
Termination Date Of Regulatory Measure: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ARCO MARINE TERMINAL 2 (Continued)

S103878658

Discharge Name:	Tesoro Logistics Operations LLC
Discharge Address:	1300 Pier B Street
Discharge City:	Long Beach
Discharge State:	CA
Discharge Zip:	90813
RECEIVED DATE:	Not reported
PROCESSED DATE:	Not reported
STATUS CODE NAME:	Not reported
STATUS DATE:	Not reported
PLACE SIZE:	Not reported
PLACE SIZE UNIT:	Not reported
FACILITY CONTACT NAME:	Not reported
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	Not reported
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	Not reported
OPERATOR ADDRESS:	Not reported
OPERATOR CITY:	Not reported
OPERATOR STATE:	Not reported
OPERATOR ZIP:	Not reported
OPERATOR CONTACT NAME:	Not reported
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	Not reported
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Not reported
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	Not reported
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ARCO MARINE TERMINAL 2 (Continued)

S103878658

CERTIFICATION DATE:	Not reported
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported
Npdes Number:	CA0000442
Facility Status:	Active
Agency Id:	544113
Region:	4
Regulatory Measure Id:	372302
Order No:	R4-2009-0126
Regulatory Measure Type:	NPDES Permits
Place Id:	238553
WDID:	4B192010018
Program Type:	NPDNONMUNIPRCS
Adoption Date Of Regulatory Measure:	12/10/2009
Effective Date Of Regulatory Measure:	01/10/2010
Expiration Date Of Regulatory Measure:	11/10/2014
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Tesoro Logistics Operations LLC
Discharge Address:	1300 Pier B Street
Discharge City:	Long Beach
Discharge State:	CA
Discharge Zip:	90813
RECEIVED DATE:	Not reported
PROCESSED DATE:	Not reported
STATUS CODE NAME:	Not reported
STATUS DATE:	Not reported
PLACE SIZE:	Not reported
PLACE SIZE UNIT:	Not reported
FACILITY CONTACT NAME:	Not reported
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	Not reported
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	Not reported
OPERATOR ADDRESS:	Not reported
OPERATOR CITY:	Not reported
OPERATOR STATE:	Not reported
OPERATOR ZIP:	Not reported
OPERATOR CONTACT NAME:	Not reported
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	Not reported
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Not reported
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	Not reported
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ARCO MARINE TERMINAL 2 (Continued)

S103878658

CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported

SLIC:

Region:	STATE
Facility Status:	Open - Site Assessment
Status Date:	01/20/2015
Global Id:	SL374422455
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number:	Not reported
Latitude:	33.7770427358461
Longitude:	-118.21106672287
Case Type:	Cleanup Program Site
Case Worker:	RO
Local Agency:	Not reported
RB Case Number:	0343A
File Location:	Regional Board
Potential Media Affected:	Aquifer used for drinking water supply, Soil, Soil Vapor
Potential Contaminants of Concern:	Benzene, Toluene, Xylene, Diesel, MTBE / TBA / Other Fuel Oxygenates, Gasoline, Other Petroleum
Site History:	Terminal2 has been in operation since the 1920s and has historically been used to store crude oil and refined petroleum products. The 18-acre Terminal 2 facility has 27 aboveground storage tanks (ASTs) that are contained within three tank farms, each of which is surrounded by a concrete firewall. ARCO Terminal Services Corporatio (ATSC) owns and operates Terminal 2,. The western portion of the Terminal 2 facility is leased from the POLB, who also owns the storage lot located north of the Terminal 2 facility.

[Click here to access the California GeoTracker records for this facility:](#)

SLIC REG 4:

Region:	4
Facility Status:	Remediation
SLIC:	0343A

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ARCO MARINE TERMINAL 2 (Continued)

S103878658

Substance: TPH
Staff: PGN

CHMIRS:

OES Incident Number: '10-7657
OES notification: 12/20/2010
OES Date: Not reported
OES Time: Not reported
Incident Date: Not reported
Date Completed: Not reported
Property Use: Not reported
Agency Id Number: Not reported
Agency Incident Number: Not reported
Time Notified: Not reported
Time Completed: Not reported
Surrounding Area: Not reported
Estimated Temperature: Not reported
Property Management: Not reported
More Than Two Substances Involved?: Not reported
Resp Agncy Personel # Of Decontaminated: Not reported
Responding Agency Personel # Of Injuries: Not reported
Responding Agency Personel # Of Fatalities: Not reported
Others Number Of Decontaminated: Not reported
Others Number Of Injuries: Not reported
Others Number Of Fatalities: Not reported
Vehicle Make/year: Not reported
Vehicle License Number: Not reported
Vehicle State: Not reported
Vehicle Id Number: Not reported
CA DOT PUC/ICC Number: Not reported
Company Name: Not reported
Reporting Officer Name/ID: Not reported
Report Date: Not reported
Facility Telephone: Not reported
Waterway Involved: No
Waterway: Not reported
Spill Site: Other
Cleanup By: Contractor
Containment: Not reported
What Happened: Not reported
Type: Not reported
Measure: Gal(s)
Other: Not reported
Date/Time: 815
Year: 2010
Agency: BP
Incident Date: 12/20/2010
Admin Agency: Long Beach Fire Department
Amount: Not reported
Contained: Yes
Site Type: Not reported
E Date: Not reported
Substance: Trans Mix Oil
Quantity Released: 3
Unknown: Not reported
Substance #2: Not reported
Substance #3: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ARCO MARINE TERMINAL 2 (Continued)

S103878658

Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Caller states that a sump pump has failed and sump pit has backed up into a secondary containment.
OES Incident Number:	11-2294
OES notification:	04/11/2011
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	Not reported
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agency Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Yes
Waterway:	Long Beach Harbor
Spill Site:	Waterways
Cleanup By:	Unknown
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Gal(s)
Other:	Not reported
Date/Time:	840
Year:	2011

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ARCO MARINE TERMINAL 2 (Continued)

S103878658

Agency:	NRC
Incident Date:	4/11/2011
Admin Agency:	Long Beach Fire Department
Amount:	Not reported
Contained:	Unknown
Site Type:	Long Beach Harbor
E Date:	Not reported
Substance:	Oil
Quantity Released:	UNK
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	PER THE NRC REPORT # 972584, CALLER IS REPORTING AN UNKNOWN SHEEN FROM AN UNKNOWN SOURCE.

ENF:

Region:	4
Facility Id:	238553
Agency Name:	BP West Coast Product LLC
Place Type:	Industrial and Commercial Services
Place Subtype:	Tank Farm
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	33.777871
Place Longitude:	-118.210479
SIC Code 1:	5171
SIC Desc 1:	Petroleum Bulk Stations and Terminals
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	2.069
Threat To Water Quality:	2
Complexity:	B
Pretreatment:	X - Facility is not a POTW

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ARCO MARINE TERMINAL 2 (Continued)

S103878658

Facility Waste Type:	Stormwater runoff
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDNONMUNIPRCS
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	4B192010018
Reg Measure Id:	132682
Reg Measure Type:	NPDES Permits
Region:	4
Order #:	R4-2004-0116
Npdes# CA#:	CA0000442
Major-Minor:	Minor
Npdes Type:	OTH
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	4320
Status:	Historical
Status Date:	01/31/2014
Effective Date:	08/05/2004
Expiration/Review Date:	01/01/2010
Termination Date:	01/09/2010
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	228718
Region:	4
Order / Resolution Number:	Telephone call
Enforcement Action Type:	Oral Communication
Effective Date:	07/13/2000
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	07/13/2000
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Board staff phoned discharger 7/13/00 reminding them to submit DMRs on time.
Description:	Board staff phoned discharger 7/13/00 reminding them to submit DMRs on time.
Program:	NPDESWW
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0.00
Initial Assessed Amount:	0.00
Liability \$ Amount:	0.00
Project \$ Amount:	0.00

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ARCO MARINE TERMINAL 2 (Continued)

S103878658

Liability \$ Paid: 0.00
Project \$ Completed: 0.00
Total \$ Paid/Completed Amount: 0.00

AP214
West
1/4-1/2
0.489 mi.
2582 ft.

SNYDER MFG CORP
1541 W COWLES ST
LONG BEACH, CA 90813

CERC-NFRAP
CA ENVIROSTOR

1002850289
CAD008277501

Site 2 of 2 in cluster AP

Relative:
Lower

CERC-NFRAP:
Site ID: 0901019
Federal Facility: Not a Federal Facility
NPL Status: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

Actual:
9 ft.

CERCLIS-NFRAP Site Contact Details:

Contact Sequence ID: 13288413.00000
Person ID: 13003854.00000

Contact Sequence ID: 13294008.00000
Person ID: 13003858.00000

Contact Sequence ID: 13299866.00000
Person ID: 13004003.00000

CERCLIS-NFRAP Assessment History:

Action: PRELIMINARY ASSESSMENT
Date Started: 09/01/85
Date Completed: 06/01/86
Priority Level: Low priority for further assessment

Action: DISCOVERY
Date Started: / /
Date Completed: 11/01/85
Priority Level: Not reported

Action: ARCHIVE SITE
Date Started: / /
Date Completed: 01/18/89
Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT
Date Started: / /
Date Completed: 01/18/89
Priority Level: NFRAP-Site does not qualify for the NPL based on existing information

ENVIROSTOR:

Facility ID: 19280503
Status: Refer: Other Agency
Status Date: 01/18/1995
Site Code: Not reported
Site Type: Historical
Site Type Detailed: * Historical
Acres: Not reported
NPL: NO

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SNYDER MFG CORP (Continued)

1002850289

Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: * Mmonroy
Division Branch: Cleanup Cypress
Assembly: 70
Senate: 33
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 33.78491
Longitude: -118.2130
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: * DETERGENT & SOAP * UNSPECIFIED ACID SOLUTION * UNSPECIFIED
ALKALINE SOLUTIONS
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: JONES MACHINE SHOP
Alias Type: Alternate Name
Alias Name: 19280503
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 01/18/1995
Comments: DATABASE VALIDATION PROGRAM CONFIRMS NFA FOR DTSC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 01/28/1988
Comments: SITE SCREENING DONE ADDITIONAL INFORMATION IS NEEDED TO DETERMINE
CHEMICAL WASTE HANDLING, STORAGE AND DISPOSAL PRACTICES. SIGNIFICANT
QUANTITIES OF HAZ SUBSTANCES MAY HAVE BEEN HANDLED AT THIS SITE

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 03/25/1980
Comments: FACILITY IDENTIFIED IW SURVEY QUESTIONNAIRE 12580 QUESTIONNAIRE
RECEIVED

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

AO215 CAL BUMPER CO INC
West 1555 W ANAHEIM ST
1/2-1 LONG BEACH, CA 90813
0.510 mi.
2692 ft. Site 2 of 2 in cluster AO

CA EMI S103633060
CA ENVIROSTOR N/A
CA WDS

Relative:
Lower

EMI:
Year: 2005
County Code: 19
Air Basin: SC
Facility ID: 8724
Air District Name: SC
SIC Code: 3471
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: .0144
Reactive Organic Gases Tons/Yr: .00607968
Carbon Monoxide Emissions Tons/Yr: .219
NOX - Oxides of Nitrogen Tons/Yr: .261
SOX - Oxides of Sulphur Tons/Yr: .00157
Particulate Matter Tons/Yr: .02043
Part. Matter 10 Micrometers & Smlr Tons/Yr: .0199197

Year: 2006
County Code: 19
Air Basin: SC
Facility ID: 8724
Air District Name: SC
SIC Code: 3471
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: .0189483657034580767
Reactive Organic Gases Tons/Yr: .008
Carbon Monoxide Emissions Tons/Yr: .123
NOX - Oxides of Nitrogen Tons/Yr: .146
SOX - Oxides of Sulphur Tons/Yr: .001
Particulate Matter Tons/Yr: .011
Part. Matter 10 Micrometers & Smlr Tons/Yr: .011

Year: 2007
County Code: 19
Air Basin: SC
Facility ID: 8724
Air District Name: SC
SIC Code: 3471
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: .0189483657034580767
Reactive Organic Gases Tons/Yr: .008
Carbon Monoxide Emissions Tons/Yr: .123
NOX - Oxides of Nitrogen Tons/Yr: .146
SOX - Oxides of Sulphur Tons/Yr: .001
Particulate Matter Tons/Yr: .011
Part. Matter 10 Micrometers & Smlr Tons/Yr: .011

Year: 2008

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL BUMPER CO INC (Continued)

S103633060

County Code: 19
Air Basin: SC
Facility ID: 8724
Air District Name: SC
SIC Code: 3399
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: .0184814069161534817
Reactive Organic Gases Tons/Yr: .00780285
Carbon Monoxide Emissions Tons/Yr: .11
NOX - Oxides of Nitrogen Tons/Yr: .14
SOX - Oxides of Sulphur Tons/Yr: .00085122
Particulate Matter Tons/Yr: .01047347244
Part. Matter 10 Micrometers & Smlr Tons/Yr: .0100899597636

Year: 2009
County Code: 19
Air Basin: SC
Facility ID: 8724
Air District Name: SC
SIC Code: 3399
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1.7337754618664099E-2
Reactive Organic Gases Tons/Yr: 7.3200000000000001E-3
Carbon Monoxide Emissions Tons/Yr: 0.11
NOX - Oxides of Nitrogen Tons/Yr: 0.13
SOX - Oxides of Sulphur Tons/Yr: 7.9900000000000001E-4
Particulate Matter Tons/Yr: 1.0168999999999999E-2
Part. Matter 10 Micrometers & Smlr Tons/Yr: 0.01003211

Year: 2010
County Code: 19
Air Basin: SC
Facility ID: 8724
Air District Name: SC
SIC Code: 3399
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0.0147797252486972
Reactive Organic Gases Tons/Yr: 6.2399999999999999E-3
Carbon Monoxide Emissions Tons/Yr: 9.5439999999999997E-2
NOX - Oxides of Nitrogen Tons/Yr: 0.11362
SOX - Oxides of Sulphur Tons/Yr: 6.8000000000000005E-4
Particulate Matter Tons/Yr: 8.6300000000000005E-3
Part. Matter 10 Micrometers & Smlr Tons/Yr: 8.6300000000000005E-3

ENVIROSTOR:

Facility ID: 71002353
Status: Refer: Other Agency
Status Date: Not reported
Site Code: Not reported
Site Type: Tiered Permit
Site Type Detailed: Tiered Permit

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL BUMPER CO INC (Continued)

S103633060

Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Not reported
Division Branch: Cleanup Chatsworth
Assembly: 70
Senate: 33
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 33.78282
Longitude: -118.2134
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAD030862742
Alias Type: EPA Identification Number
Alias Name: 110012440251
Alias Type: EPA (FRS #)
Alias Name: 71002353
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

WDS:

Facility ID: 4 19I004922
Facility Type: Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number: CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion: 4

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL BUMPER CO INC (Continued)

S103633060

Facility Telephone: 5624361203
Facility Contact: ROBERT COSTANZA
Agency Name: CAL BUMPER CO INC
Agency Address: 1555 W Anaheim St
Agency City,St,Zip: Long Beach 908132697
Agency Contact: ROBERT COSTANZA
Agency Telephone: 5624361203
Agency Type: Private
SIC Code: 0
SIC Code 2: Not reported
Primary Waste Type: Not reported
Primary Waste: Not reported
Waste Type2: Not reported
Waste2: Not reported
Primary Waste Type: Not reported
Secondary Waste: Not reported
Secondary Waste Type: Not reported
Design Flow: 0
Baseline Flow: 0
Reclamation: Not reported
POTW: Not reported
Treat To Water: Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.

Complexity: Category C - Facilities having no waste treatment systems, such as cooling water dischargers or those who must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

AN216 **DION & SONS INC**
WNW **1569 016TH ST W**
1/2-1 **LONG BEACH, CA 90813**
0.515 mi.
2721 ft. **Site 2 of 2 in cluster AN**

CA HIST CORTESE **S100868345**
CA LUST **N/A**
CA EMI
CA ENVIROSTOR

Relative: HIST CORTESE:
Lower Region: CORTESE
Facility County Code: 19
Actual: Reg By: LTNKA
10 ft. Reg Id: 908130207

Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 908130207A

LUST:
Region: STATE
Global Id: T0603701934
Latitude: 33.7873107
Longitude: -118.2132577
Case Type: LUST Cleanup Site

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DION & SONS INC (Continued)

S100868345

Status: Open - Site Assessment
Status Date: 08/18/2000
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Worker: DPP
Local Agency: LONG BEACH, CITY OF
RB Case Number: 908130207A
LOC Case Number: Not reported
File Location: Regional Board
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

Contact:

Global Id: T0603701934
Contact Type: Local Agency Caseworker
Contact Name: CARMEN PIRO
Organization Name: LONG BEACH, CITY OF
Address: 2525 GRAND AVE.
City: LONG BEACH
Email: carmen.piro@longbeach.gov
Phone Number: 5625704137

Global Id: T0603701934
Contact Type: Regional Board Caseworker
Contact Name: DANIEL PIROTTON
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: Not reported
City: R4 UNKNOWN
Email: dpirotton@waterboards.ca.gov
Phone Number: 2135766714

Status History:

Global Id: T0603701934
Status: Open - Case Begin Date
Status Date: 02/02/1992

Global Id: T0603701934
Status: Open - Remediation
Status Date: 02/02/1992

Global Id: T0603701934
Status: Open - Site Assessment
Status Date: 04/16/1999

Global Id: T0603701934
Status: Open - Site Assessment
Status Date: 08/18/2000

Regulatory Activities:

Global Id: T0603701934
Action Type: RESPONSE
Date: 06/30/2014
Action: Soil and Water Investigation Workplan - Regulator Responded

Global Id: T0603701934

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DION & SONS INC (Continued)

S100868345

Action Type:	Other
Date:	02/02/1992
Action:	Leak Reported
Global Id:	T0603701934
Action Type:	ENFORCEMENT
Date:	09/16/2008
Action:	Notice to Comply
Global Id:	T0603701934
Action Type:	ENFORCEMENT
Date:	08/18/2000
Action:	Staff Letter
Global Id:	T0603701934
Action Type:	ENFORCEMENT
Date:	06/15/2009
Action:	Staff Letter
Global Id:	T0603701934
Action Type:	RESPONSE
Date:	06/30/2014
Action:	Other Report / Document
Global Id:	T0603701934
Action Type:	RESPONSE
Date:	01/15/2015
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603701934
Action Type:	RESPONSE
Date:	01/15/2015
Action:	Well Installation Report
Global Id:	T0603701934
Action Type:	RESPONSE
Date:	01/15/2015
Action:	Well Installation Report
Global Id:	T0603701934
Action Type:	ENFORCEMENT
Date:	06/24/2002
Action:	Staff Letter
Global Id:	T0603701934
Action Type:	ENFORCEMENT
Date:	10/17/2014
Action:	Staff Letter
Global Id:	T0603701934
Action Type:	ENFORCEMENT
Date:	05/16/2014
Action:	Health and Safety Code Section 25296.10(c)

LUST REG 4:

Region:

4

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DION & SONS INC (Continued)

S100868345

Regional Board:	04	
County:	Los Angeles	
Facility Id:	908130207	
Status:	Case Closed	
Substance:	Gasoline	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Groundwater	
Abatement Method Used at the Site:	Remove Free Product	
Global ID:	T0603701933	
W Global ID:	Not reported	
Staff:	UNK	
Local Agency:	19060	
Cross Street:	Not reported	
Enforcement Type:	Not reported	
Date Leak Discovered:	Not reported	
Date Leak First Reported:	2/2/1992	
Date Leak Record Entered:	6/8/1992	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:	8/7/1996	
Date the Case was Closed:	7/17/1996	
How Leak Discovered:	Not reported	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	UNK	
Operator:	DION MICHELL O III	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):	15576.019932398430525047147444	
Source of Cleanup Funding:	UNK	
Preliminary Site Assessment Workplan Submitted:	Not reported	
Preliminary Site Assessment Began:	Not reported	
Pollution Characterization Began:	5/29/1992	
Remediation Plan Submitted:	Not reported	
Remedial Action Underway:	Not reported	
Post Remedial Action Monitoring Began:	Not reported	
Enforcement Action Date:	Not reported	
Historical Max MTBE Date:	Not reported	
Hist Max MTBE Conc in Groundwater:	Not reported	
Hist Max MTBE Conc in Soil:	Not reported	
Significant Interim Remedial Action Taken:	Yes	
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	DION & SONS, INCORPORATED	
RP Address:	1569 16TH ST, LONG BEACH CA 90813	
Program:	LUST	
Lat/Long:	33.7873107 / -1	
Local Agency Staff:	Not reported	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	
Assigned Name:	Not reported	
Summary:	Not reported	

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DION & SONS INC (Continued)

S100868345

EMI:

Year: 1987
County Code: 19
Air Basin: SC
Facility ID: 3606
Air District Name: SC
SIC Code: 5171
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 3
Reactive Organic Gases Tons/Yr: 3
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 1990
County Code: 19
Air Basin: SC
Facility ID: 3606
Air District Name: SC
SIC Code: 5171
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 1
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 1995
County Code: 19
Air Basin: SC
Facility ID: 3606
Air District Name: SC
SIC Code: 5171
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 1
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

ENVIROSTOR:

Facility ID: 19290263
Status: Refer: RWQCB
Status Date: 06/20/1995

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DION & SONS INC (Continued)

S100868345

Site Code: Not reported
Site Type: Historical
Site Type Detailed: * Historical
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: * Mmonroy
Division Branch: Cleanup Cypress
Assembly: 70
Senate: 33
Special Program: * Site Char & Assess Grant (CERCLA 104)
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 33.78754
Longitude: -118.2133
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: * HYDROCARBON SOLVENTS * OXYGENATED SOLVENTS * WASTE OIL & MIXED OIL
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 110002646352
Alias Type: EPA (FRS #)
Alias Name: 19290263
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 04/25/1995
Comments: LA RWQCB'S UST LEAK LIST INDICATES THE BOARD IS OVERSEEING THE CLEANUP OF THE SITE. STATUS IS ADDITIONAL CHARACTER- IZATION (SC). GROUNDWATER AT THE SITE IS CONTAMINATED. DEPT RECEIVED THE EPA REASSESSMENT REPORT WHICH RECOMMENDED NFA UNDER CERCLA FOR THE SITE. DUE TO RWQCB'S OVERSIGHT, THE DEPT'S INVOLVEMENT IS UNNECESSARY.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 01/12/1983
Comments: FACILITY IDENTIFIED L.A. CHAM OF COMM BUS DIR 1971 MFG./DISTRIBUTOR/GAS/LUBRICANTS/SOLVENTS

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

217
ESE
1/2-1
0.548 mi.
2895 ft.

ANAHEIM STREET SCHOOL
ANAHEIM STREET/PACIFIC AVENUE
LONG BEACH, CA 90813

CA SCH
CA ENVIROSTOR
S105628511
N/A

Relative:
Higher

SCH:

Actual:
38 ft.

Facility ID: 19550025
Site Type: School Investigation
Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED
Acres: 6.5
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Not reported
Supervisor: Javier Hinojosa
Division Branch: Southern California Schools & Brownfields Outreach
Site Code: 404326
Assembly: 70
Senate: 33
Special Program Status: Not reported
Status: Inactive - Needs Evaluation
Status Date: 02/09/2011
Restricted Use: NO
Funding: School District
Latitude: 33.783
Longitude: -118.192
APN: NONE SPECIFIED
Past Use: * RETAIL - AUTO DEALERS & SERVICE STATIONS
Potential COC: Under Investigation
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: ANAHEIM STREET SCHOOL
Alias Type: Alternate Name
Alias Name: LONG BEACH UNIFIED SCHOOL DISTRICT
Alias Type: Alternate Name
Alias Name: LONG BEACH USD-ANAHEIM STREET PARCELS
Alias Type: Alternate Name
Alias Name: 404326
Alias Type: Project Code (Site Code)
Alias Name: 19550025
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 02/09/2011
Comments: DTSC prepared project close out Cost Recovery Unit Memorandum.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 04/02/2002
Comments: ORDER

Future Area Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANAHEIM STREET SCHOOL (Continued)

S105628511

Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

ENVIROSTOR:

Facility ID: 19550025
Status: Inactive - Needs Evaluation
Status Date: 02/09/2011
Site Code: 404326
Site Type: School Investigation
Site Type Detailed: School
Acres: 6.5
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Not reported
Supervisor: Javier Hinojosa
Division Branch: Southern California Schools & Brownfields Outreach
Assembly: 70
Senate: 33
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: School District
Latitude: 33.783
Longitude: -118.192
APN: NONE SPECIFIED
Past Use: * RETAIL - AUTO DEALERS & SERVICE STATIONS
Potential COC: Under Investigation
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: ANAHEIM STREET SCHOOL
Alias Type: Alternate Name
Alias Name: LONG BEACH UNIFIED SCHOOL DISTRICT
Alias Type: Alternate Name
Alias Name: LONG BEACH USD-ANAHEIM STREET PARCELS
Alias Type: Alternate Name
Alias Name: 404326
Alias Type: Project Code (Site Code)
Alias Name: 19550025
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 02/09/2011
Comments: DTSC prepared project close out Cost Recovery Unit Memorandum.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANAHEIM STREET SCHOOL (Continued)

S105628511

Completed Date: 04/02/2002
Comments: ORDER

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

**218
WNW
1/2-1
0.564 mi.
2980 ft.**

**CALBLASCO INC
1620 WEST 16TH STREET
LONG BEACH, CA 90813**

**CA ENVIROSTOR S101480857
N/A**

**Relative:
Lower**

ENVIROSTOR:

**Actual:
10 ft.**

Facility ID: 19350398
Status: Refer: RCRA
Status Date: 03/01/1984
Site Code: Not reported
Site Type: Historical
Site Type Detailed: * Historical
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Referred - Not Assigned
Division Branch: Cleanup Cypress
Assembly: 70
Senate: 33
Special Program: * RCRA 3012 - Past Haz Waste Disp Inven Site
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 33.78722
Longitude: -118.2141
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: * HOUSEHOLD WASTES * OIL/WATER SEPARATION SLUDGE * Sludge -
Degreasing * TANK BOTTOM WASTES * UNSPECIFIED AQUEOUS SOLUTION *
WASTE OIL & MIXED OIL Cyanide (free
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CROSBY & OVERTON PLANT 1
Alias Type: Alternate Name
Alias Name: CAD028409019
Alias Type: EPA Identification Number
Alias Name: CAD980636542
Alias Type: EPA Identification Number
Alias Name: 19350398
Alias Type: Envirostor ID Number

Completed Info:

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CALBLASCO INC (Continued)

S101480857

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 05/01/1995
Comments: DATABASE VALIDATION PROGRAM CONFIRMS NFA FOR DTSC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 03/01/1984
Comments: T/C W/R.POTTS,CROSBY & OVERTON,213-432- 5445 - 1)YR OF OPER: 1952 TO PRESENT. 2)FAC TYPE: CLARIFIER,VACUUM TANK TRUCKS 550BBL, 2 SEPARATOR TANKS 21,000GAL,DRUM LANDSPREADING OF OIL WASTE AT HARBOR DURING 1970. 1952-75 FAC USED AS A TRANS -FER STATION. NO CLALIFIER,NO HAULER REC THE SITE IS FENCED, PAVED,& GUARDED. SOURCE ACT: APPLI FOR OPER PERMIT DHS - INDUST/MARINE HEAVY DUTY CLEANING & SPIL PETROLEUM REFINING WASTE. HZD WASTE TO BKK LDFL. INCIDENT: 7-15-81 SPILAGE ON AZUSA AVE FINAL STRATEGY RESPONSE. RESOURCE RECOV,TRANSFER STATIN SUBMIT TO EPA PRELIM ASSESS DONE RCRA 3012

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 02/24/1983
Comments: FACILITY IDENTIFIED L.A. CHAM OF COMM BUS DIR 1969-70 OPER: SANDBLASTING & ENAMELING

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 09/26/1983
Comments: FACILITY IDENTIFIED ID FROM ERRIS

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

AQ219
WNW
1/2-1
0.575 mi.
3034 ft.

Relative:
Lower

Actual:
11 ft.

CROSBY & OVERTON
1610 W 17TH STREET
LONG BEACH, CA 90813

Site 1 of 2 in cluster AQ

RCRA-TSDF
CERC-NFRAP
CORRACTS
RCRA-LQG
FTTS
HIST FTTS
CA HIST CORTESE
CA LUST
CA FID UST
CA HIST UST
NY MANIFEST
WI MANIFEST
CA SWEEPS UST
CA HWP
US FIN ASSUR
2020 COR ACTION

RCRA-TSDF:

Date form received by agency: 11/05/2012
Facility name: CROSBY & OVERTON
Facility address: 1610 W 17TH STREET
LONG BEACH, CA 90813
EPA ID: CAD028409019
Mailing address: W. 17TH STREET
LONG BEACH, CA 90813
Contact: MICHAEL A SHLOUB
Contact address: W 17TH STREET
LONG BEACH, CA 90813
Contact country: US
Contact telephone: (562) 432-5445
Contact email: MSHLOUB@CROSBYOVERTON.COM
EPA Region: 09
Land type: Private
Classification: TSDF
Description: Handler is engaged in the treatment, storage or disposal of hazardous waste

Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name: CROSBY & OVERTON
Owner/operator address: W 17TH STREET
LONG BEACH, CA 90813
Owner/operator country: Not reported
Owner/operator telephone: (562) 432-5445
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 08/29/1959

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Owner/Op end date: Not reported

Owner/operator name: CROSBY & OVERTON
Owner/operator address: W 17TH STREET
LONG BEACH, CA 90813

Owner/operator country: Not reported
Owner/operator telephone: (562) 432-5445
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 08/29/1959
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: Yes
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: 121
. Waste name: 121

. Waste code: 122
. Waste name: 122

. Waste code: 123
. Waste name: 123

. Waste code: 131
. Waste name: 131

. Waste code: 132
. Waste name: 132

. Waste code: 133
. Waste name: 133

. Waste code: 134
. Waste name: 134

. Waste code: 135
. Waste name: 135

. Waste code: 141
. Waste name: 141

. Waste code: 151

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

. Waste name:	151
. Waste code:	161
. Waste name:	161
. Waste code:	171
. Waste name:	171
. Waste code:	172
. Waste name:	172
. Waste code:	181
. Waste name:	181
. Waste code:	211
. Waste name:	211
. Waste code:	212
. Waste name:	212
. Waste code:	213
. Waste name:	213
. Waste code:	214
. Waste name:	214
. Waste code:	221
. Waste name:	221
. Waste code:	222
. Waste name:	222
. Waste code:	223
. Waste name:	223
. Waste code:	231
. Waste name:	231
. Waste code:	232
. Waste name:	232
. Waste code:	241
. Waste name:	241
. Waste code:	251
. Waste name:	251
. Waste code:	261
. Waste name:	261
. Waste code:	271
. Waste name:	271
. Waste code:	272
. Waste name:	272
. Waste code:	281

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

. Waste name: 281

. Waste code: 291
. Waste name: 291

. Waste code: 311
. Waste name: 311

. Waste code: 331
. Waste name: 331

. Waste code: 341
. Waste name: 341

. Waste code: 342
. Waste name: 342

. Waste code: 343
. Waste name: 343

. Waste code: 351
. Waste name: 351

. Waste code: 352
. Waste name: 352

. Waste code: 411
. Waste name: 411

. Waste code: 421
. Waste name: 421

. Waste code: 441
. Waste name: 441

. Waste code: 451
. Waste name: 451

. Waste code: 461
. Waste name: 461

. Waste code: 491
. Waste name: 491

. Waste code: 511
. Waste name: 511

. Waste code: 512
. Waste name: 512

. Waste code: 513
. Waste name: 513

. Waste code: 521
. Waste name: 521

. Waste code: 541

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. Waste name:	541
. Waste code:	551
. Waste name:	551
. Waste code:	561
. Waste name:	561
. Waste code:	571
. Waste name:	571
. Waste code:	591
. Waste name:	591
. Waste code:	611
. Waste name:	611
. Waste code:	612
. Waste name:	612
. Waste code:	724
. Waste name:	724
. Waste code:	725
. Waste name:	725
. Waste code:	741
. Waste name:	741
. Waste code:	751
. Waste name:	751
. Waste code:	791
. Waste name:	791
. Waste code:	792
. Waste name:	792
. Waste code:	D001
. Waste name:	IGNITABLE WASTE
. Waste code:	D002
. Waste name:	CORROSIVE WASTE
. Waste code:	D003
. Waste name:	REACTIVE WASTE
. Waste code:	D004
. Waste name:	ARSENIC
. Waste code:	D005
. Waste name:	BARIUM
. Waste code:	D006
. Waste name:	CADMIUM
. Waste code:	D007

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. Waste name:	CHROMIUM
. Waste code:	D008
. Waste name:	LEAD
. Waste code:	D009
. Waste name:	MERCURY
. Waste code:	D010
. Waste name:	SELENIUM
. Waste code:	D011
. Waste name:	SILVER
. Waste code:	D012
. Waste name:	ENDRIN (1,2,3,4,10,10-HEXACHLORO-1,7-EPOXY-1,4,4A,5,6,7,8,8A-OCTAHYDRO-1,4-EN O, ENDO-5,8-DIMETH-ANO-NAPHTHALENE)
. Waste code:	D013
. Waste name:	LINDANE (1,2,3,4,5,6-HEXA-CHLOROCYCLOHEXANE, GAMMA ISOMER)
. Waste code:	D014
. Waste name:	METHOXYCHLOR (1,1,1-TRICHLORO-2,2-BIS [P-METHOXYPHENYL] ETHANE)
. Waste code:	D015
. Waste name:	TOXAPHENE (C10 H10 CL8, TECHNICAL CHLORINATED CAMPHENE, 67-69 PERCENT CHLORINE)
. Waste code:	D016
. Waste name:	2,4-D (2,4-DICHLOROPHENOXYACETIC ACID)
. Waste code:	D017
. Waste name:	2,4,5-TP SILVEX (2,4,5-TRICHLOROPHENOXYPROPIONIC ACID)
. Waste code:	D018
. Waste name:	BENZENE
. Waste code:	D019
. Waste name:	CARBON TETRACHLORIDE
. Waste code:	D020
. Waste name:	CHLORDANE
. Waste code:	D021
. Waste name:	CHLOROBENZENE
. Waste code:	D022
. Waste name:	CHLOROFORM
. Waste code:	D023
. Waste name:	O-CRESOL
. Waste code:	D024
. Waste name:	M-CRESOL
. Waste code:	D025

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. Waste name:	P-CRESOL
. Waste code:	D026
. Waste name:	CRESOL
. Waste code:	D027
. Waste name:	1,4-DICHLOROBENZENE
. Waste code:	D028
. Waste name:	1,2-DICHLOROETHANE
. Waste code:	D029
. Waste name:	1,1-DICHLOROETHYLENE
. Waste code:	D030
. Waste name:	2,4-DINITROTOLUENE
. Waste code:	D031
. Waste name:	HEPTACHLOR (AND ITS EPOXIDE)
. Waste code:	D032
. Waste name:	HEXACHLOROBENZENE
. Waste code:	D033
. Waste name:	HEXACHLOROBUTADIENE
. Waste code:	D034
. Waste name:	HEXACHLOROETHANE
. Waste code:	D035
. Waste name:	METHYL ETHYL KETONE
. Waste code:	D036
. Waste name:	NITROBENZENE
. Waste code:	D037
. Waste name:	PENTACHLOROPHENOL
. Waste code:	D038
. Waste name:	PYRIDINE
. Waste code:	D039
. Waste name:	TETRACHLOROETHYLENE
. Waste code:	D040
. Waste name:	TRICHLORETHYLENE
. Waste code:	D041
. Waste name:	2,4,5-TRICHLOROPHENOL
. Waste code:	D042
. Waste name:	2,4,6-TRICHLOROPHENOL
. Waste code:	D043
. Waste name:	VINYL CHLORIDE
. Waste code:	F001

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- . Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
- . Waste code: F002
- . Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
- . Waste code: F003
- . Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
- . Waste code: F004
- . Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: CRESOLS, CRESYLIC ACID, AND NITROBENZENE; AND THE STILL BOTTOMS FROM THE RECOVERY OF THESE SOLVENTS; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
- . Waste code: F005
- . Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
- . Waste code: F006
- . Waste name: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS, EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC, AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF

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ALUMINUM.

- . Waste code: F007
- . Waste name: SPENT CYANIDE PLATING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS.

- . Waste code: F008
- . Waste name: PLATING BATH RESIDUES FROM THE BOTTOM OF PLATING BATHS FROM ELECTROPLATING OPERATIONS IN WHICH CYANIDES ARE USED IN THE PROCESS.

- . Waste code: F009
- . Waste name: SPENT STRIPPING AND CLEANING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS IN WHICH CYANIDES ARE USED IN THE PROCESS.

- . Waste code: F010
- . Waste name: QUENCHING BATH RESIDUES FROM OIL BATHS FROM METAL HEAT TREATING OPERATIONS IN WHICH CYANIDES ARE USED IN THE PROCESS.

- . Waste code: F011
- . Waste name: SPENT CYANIDE SOLUTIONS FROM SLAT BATH POT CLEANING FROM METAL HEAT TREATING OPERATIONS.

- . Waste code: F012
- . Waste name: QUENCHING WASTEWATER TREATMENT SLUDGES FROM METAL HEAT TREATING OPERATIONS IN WHICH CYANIDES ARE USED IN THE PROCESS.

- . Waste code: F019
- . Waste name: WASTEWATER TREATMENT SLUDGES FROM THE CHEMICAL CONVERSION COATING OF ALUMINUM, EXCEPT FROM ZIRCONIUM PHOSPHATING IN ALUMINUM CAN WASHING WHEN SUCH PHOSPHATING IS AN EXCLUSIVE CONVERSION COATING PROCESS.

- . Waste code: F020
- . Waste name: WASTES (EXCEPT WASTEWATER AND SPENT CARBON FROM HYDROGEN CHLORIDE PURIFICATION) FROM THE PRODUCTION OR MANUFACTURING USE (AS A REACTANT, CHEMICAL INTERMEDIATE, OR COMPONENT IN A FORMULATING PROCESS) OF TRI- OR TETRACHLOROPHENOL OR OF INTERMEDIATES USED TO PRODUCE THEIR PESTICIDE DERIVATIVES. (THIS LISTING DOES NOT INCLUDE WASTES FROM THE PRODUCTION OF HEXACHLOROPHENE FROM HIGHLY PURIFIED 2,4,5-TRICHLOROPHENOL.)

- . Waste code: F021
- . Waste name: WASTES (EXCEPT WASTEWATER AND SPENT CARBON FROM HYDROGEN CHLORIDE PURIFICATION) FROM THE PRODUCTION OR MANUFACTURING USE (AS A REACTANT, CHEMICAL INTERMEDIATE, OR COMPONENT IN A FORMULATING PROCESS) OF PENTACHLOROPHENOL, OR OF INTERMEDIATES USED TO PRODUCE DERIVATIVES.

- . Waste code: F022
- . Waste name: WASTES (EXCEPT WASTEWATER AND SPENT CARBON FROM HYDROGEN CHLORIDE PURIFICATION) FROM THE MANUFACTURING USE (AS A REACTANT, CHEMICAL INTERMEDIATE, OR COMPONENT IN A FORMULATING PROCESS) OF TETRA-, PENTA-, OR HEXACHLOROBENZENES UNDER ALKALINE CONDITIONS.

- . Waste code: F023
- . Waste name: WASTES (EXCEPT WASTEWATER AND SPENT CARBON FROM HYDROGEN CHLORIDE PURIFICATION) FROM THE PRODUCTION OF MATERIALS ON EQUIPMENT PREVIOUSLY USED FOR THE PRODUCTION OR MANUFACTURING USE (AS A REACTANT, CHEMICAL INTERMEDIATE, OR COMPONENT IN A FORMULATING PROCESS) OF TRI- AND TETRACHLOROPHENOLS. (THIS LISTING DOES NOT INCLUDE WASTES FROM

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EQUIPMENT USED ONLY FOR THE PRODUCTION OR USE OF HEXACHLOROPHENE FROM HIGHLY PURIFIED 2,4,5-TRICHLOROPHENOL.)

- . Waste code: F024
- . Waste name: PROCESS WASTES INCLUDING, BUT NOT LIMITED TO, DISTILLATION RESIDUES, HEAVY ENDS, TARS, AND REACTOR CLEAN-OUT WASTES FROM THE PRODUCTION OF CERTAIN CHLORINATED ALIPHATIC HYDROCARBONS BY FREE RADICAL CATALYZED PROCESSES. THESE CHLORINATED ALIPHATIC HYDROCARBONS ARE THOSE HAVING CARBON CHAIN LENGTHS RANGING FROM ONE TO, AND INCLUDING FIVE, WITH VARYING AMOUNTS AND POSITIONS OF CHLORINE SUBSTITUTION. (THIS LISTING DOES NOT INCLUDE WASTEWATERS, WASTEWATER TREATMENT SLUDGE, SPENT CATALYSTS, AND WASTES LISTED IN SECTIONS 261.31. OR 261.32)

- . Waste code: F025
- . Waste name: CONDENSED LIGHT ENDS, SPENT FILTERS AND FILTER AIDS, AND SPENT DESICCANT WASTES FROM THE PRODUCTION OF CERTAIN CHLORINATED ALIPHATIC HYDROCARBONS BY FREE RADICAL CATALYZED PROCESSES. THESE CHLORINATED ALIPHATIC HYDROCARBONS ARE THOSE HAVING CARBON CHAIN LENGTHS RANGING FROM ONE TO, AND INCLUDING FIVE, WITH VARYING AMOUNTS AND POSITIONS OF CHLORINE SUBSTITUTION.

- . Waste code: F026
- . Waste name: WASTES (EXCEPT WASTEWATER AND SPENT CARBON FROM HYDROGEN CHLORIDE PURIFICATION) FROM THE PRODUCTION OF MATERIALS ON EQUIPMENT PREVIOUSLY USED FOR THE MANUFACTURING USE (AS A REACTANT, CHEMICAL INTERMEDIATE, OR COMPONENT IN A FORMULATING PROCESS) OF TETRA-, PENTA-, OR HEXACHLOROBENZENE UNDER ALKALINE CONDITIONS.

- . Waste code: F027
- . Waste name: DISCARDED UNUSED FORMULATIONS CONTAINING TRI-, TETRA-, OR PENTACHLOROPHENOL OR DISCARDED UNUSED FORMULATIONS CONTAINING COMPOUNDS DERIVED FROM THESE CHLOROPHENOLS. (THIS LISTING DOES NOT INCLUDE FORMULATIONS CONTAINING HEXACHLOROPHENE SYNTHESIZED FROM PREPURIFIED 2,4,5-TRICHLOROPHENOL AS THE SOLE COMPONENT.)

- . Waste code: F028
- . Waste name: RESIDUES RESULTING FROM THE INCINERATION OR THERMAL TREATMENT OF SOIL CONTAMINATED WITH EPA HAZARDOUS WASTE NOS. F020, F021, F022, F023, F026, AND F027.

- . Waste code: F032
- . Waste name: WASTEWATERS, PROCESS RESIDUALS, PRESERVATIVE DRIPPAGE, AND SPENT FORMULATIONS FROM WOOD PRESERVING PROCESSES GENERATED AT PLANTS THAT CURRENTLY USE, OR HAVE PREVIOUSLY USED, CHLOROPHENOLIC FORMULATIONS [EXCEPT POTENTIALLY CROSS-CONTAMINATED WASTES THAT HAVE HAD THE F032 WASTE CODE DELETED IN ACCORDANCE WITH SECTION 261.35 (I.E., THE NEWLY PROMULGATED EQUIPMENT CLEANING OR REPLACEMENT STANDARDS), AND WHERE THE GENERATOR DOES NOT RESUME OR INITIATE USE OF CHLOROPHENOLIC FORMULATIONS]. (THIS LISTING DOES NOT INCLUDE K001 BOTTOM SEDIMENT SLUDGE FROM THE TREATMENT OF WASTEWATER FROM WOOD PRESERVING PROCESSES THAT USE CREOSOTE AND/OR PENTACHLOROPHENOL.)

- . Waste code: F034
- . Waste name: WASTEWATERS, PROCESS RESIDUALS, PRESERVATIVE DRIPPAGE, AND SPENT FORMULATIONS FROM WOOD PRESERVING PROCESSES GENERATED AT PLANTS THAT USE CREOSOTE FORMULATIONS. THIS LISTING DOES NOT INCLUDE K001 BOTTOM SEDIMENT SLUDGE FROM THE TREATMENT OF WASTEWATER FROM WOOD PRESERVING

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PROCESSES THAT USE CREOSOTE AND/OR PENTACHLOROPHENOL.

- . Waste code: F035
- . Waste name: WASTEWATERS, PROCESS RESIDUALS, PRESERVATIVE DRIPPAGE, AND SPENT FORMULATIONS FROM WOOD PRESERVING PROCESSES GENERATED AT PLANTS THAT USE INORGANIC PRESERVATIVES CONTAINING ARSENIC OR CHROMIUM. THIS LISTING DOES NOT INCLUDE K001 BOTTOM SEDIMENT SLUDGE FROM THE TREATMENT OF WASTEWATER FROM WOOD PRESERVING PROCESSES THAT USE CREOSOTE AND/OR PENTACHLOROPHENOL.

- . Waste code: F037
- . Waste name: PETROLEUM REFINERY PRIMARY OIL/WATER/SOLIDS SEPARATION SLUDGE - ANY SLUDGE GENERATED FROM THE GRAVITATIONAL SEPARATION OF OIL/WATER/SOLIDS DURING THE STORAGE OR TREATMENT OF PROCESS WASTEWATERS AND OILY COOLING WASTEWATERS FROM PETROLEUM REFINERIES. SUCH SLUDGES INCLUDE, BUT ARE NOT LIMITED TO, THOSE GENERATED IN OIL/WATER/SOLIDS SEPARATORS; TANKS AND IMPOUNDMENTS; DITCHES AND OTHER CONVEYANCES; SUMPS; AND STORM WATER UNITS RECEIVING DRY WEATHER FLOW. SLUDGES GENERATED IN STORM WATER UNITS THAT DO NOT RECEIVE DRY WEATHER FLOW, SLUDGES GENERATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS AS DEFINED IN SECTION 261.31(B)(2) (INCLUDING SLUDGES GENERATED IN ONE OR MORE ADDITIONAL UNITS AFTER WASTEWATERS HAVE BEEN TREATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS), AND K051 WASTES ARE EXEMPTED FROM THIS LISTING.

- . Waste code: F038
- . Waste name: PETROLEUM REFINERY SECONDARY (EMULSIFIED) OIL/WATER/SOLIDS SEPARATION SLUDGE - ANY SLUDGE AND/OR FLOAT GENERATED FROM THE PHYSICAL AND/OR CHEMICAL SEPARATION OF OIL/WATER/SOLIDS IN PROCESS WASTEWATERS AND OILY COOLING WASTEWATERS FROM PETROLEUM REFINERIES. SUCH WASTES INCLUDE, BUT ARE NOT LIMITED TO, ALL SLUDGES AND FLOATS GENERATED IN INDUCED AIR FLOTATION (IAF) UNITS, TANKS AND IMPOUNDMENTS, AND ALL SLUDGES GENERATED IN DAF UNITS. SLUDGES GENERATED IN STORMWATER UNITS THAT DO NOT RECEIVE DRY WEATHER FLOW, SLUDGES GENERATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS AS DEFINED IN SECTION 261.31(B)(2) (INCLUDING SLUDGES GENERATED IN ONE OR MORE ADDITIONAL UNITS AFTER WASTEWATERS HAVE BEEN TREATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS), AND F037, K048, AND K051 WASTES ARE EXEMPTED FROM THIS LISTING.

- . Waste code: F039
- . Waste name: LEACHATE RESULTING FROM THE TREATMENT, STORAGE, OR DISPOSAL OF WASTES CLASSIFIED BY MORE THAN ONE WASTE CODE UNDER SUBPART D, OR FROM A MIXTURE OF WASTES CLASSIFIED UNDER SUBPARTS C AND D OF THIS PART. (LEACHATE RESULTING FROM THE MANAGEMENT OF ONE OR MORE OF THE FOLLOWING EPA HAZARDOUS WASTES AND NO OTHER HAZARDOUS WASTES RETAINS ITS HAZARDOUS WASTE CODE(S): F020, F021, F022, F023, F026, F027, AND/OR F028.)

- . Waste code: K001
- . Waste name: BOTTOM SEDIMENT SLUDGE FROM THE TREATMENT OF WASTEWATERS FROM WOOD PRESERVING PROCESSES THAT USE CREOSOTE AND/OR PENTACHLOROPHENOL.

- . Waste code: K002
- . Waste name: WASTEWATER TREATMENT SLUDGE FROM THE PRODUCTION OF CHROME YELLOW AND ORANGE PIGMENTS.

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- . Waste code: K003
- . Waste name: WASTEWATER TREATMENT SLUDGE FROM THE PRODUCTION OF MOLYBDATE ORANGE PIGMENTS.

- . Waste code: K004
- . Waste name: WASTEWATER TREATMENT SLUDGE FROM THE PRODUCTION OF ZINC YELLOW PIGMENTS.

- . Waste code: K005
- . Waste name: WASTEWATER TREATMENT SLUDGE FROM THE PRODUCTION OF CHROME GREEN PIGMENTS.

- . Waste code: K006
- . Waste name: WASTEWATER TREATMENT SLUDGE FROM THE PRODUCTION OF CHROME OXIDE GREEN PIGMENTS (ANHYDROUS AND HYDRATED).

- . Waste code: K007
- . Waste name: WASTEWATER TREATMENT SLUDGE FROM THE PRODUCTION OF IRON BLUE PIGMENTS.

- . Waste code: K008
- . Waste name: OVEN RESIDUE FROM THE PRODUCTION OF CHROME OXIDE GREEN PIGMENTS.

- . Waste code: K009
- . Waste name: DISTILLATION BOTTOMS FROM THE PRODUCTION OF ACETALDEHYDE FROM ETHYLENE.

- . Waste code: K010
- . Waste name: DISTILLATION SIDE CUTS FROM THE PRODUCTION OF ACETALDEHYDE FROM ETHYLENE.

- . Waste code: K011
- . Waste name: BOTTOM STREAM FROM THE WASTEWATER STRIPPER IN THE PRODUCTION OF ACRYLONITRILE.

- . Waste code: K013
- . Waste name: BOTTOM STREAM FROM THE ACETONITRILE COLUMN IN THE PRODUCTION OF ACRYLONITRILE.

- . Waste code: K014
- . Waste name: BOTTOMS FROM THE ACETONITRILE PURIFICATION COLUMN IN THE PRODUCTION OF ACRYLONITRILE.

- . Waste code: K015
- . Waste name: STILL BOTTOMS FROM THE DISTILLATION OF BENZYL CHLORIDE.

- . Waste code: K016
- . Waste name: HEAVY ENDS OR DISTILLATION RESIDUES FROM THE PRODUCTION OF CARBON TETRACHLORIDE.

- . Waste code: K017
- . Waste name: HEAVY ENDS (STILL BOTTOMS) FROM THE PURIFICATION COLUMN IN THE PRODUCTION OF EPICHLOROHYDRIN.

- . Waste code: K018
- . Waste name: HEAVY ENDS FROM THE FRACTIONATION COLUMN IN ETHYL CHLORIDE PRODUCTION.

- . Waste code: K019

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- . Waste name: HEAVY ENDS FROM THE DISTILLATION OF ETHYLENE DICHLORIDE IN ETHYLENE DICHLORIDE PRODUCTION.
- . Waste code: K020
- . Waste name: HEAVY ENDS FROM THE DISTILLATION OF VINYL CHLORIDE IN VINYL CHLORIDE MONOMER PRODUCTION.
- . Waste code: K021
- . Waste name: AQUEOUS SPENT ANTIMONY CATALYST WASTE FROM FLUOROMETHANE PRODUCTION.
- . Waste code: K022
- . Waste name: DISTILLATION BOTTOM TARS FROM THE PRODUCTION OF PHENOL/ACETONE FROM CUMENE.
- . Waste code: K023
- . Waste name: DISTILLATION LIGHT ENDS FROM THE PRODUCTION OF PHTHALIC ANHYDRIDE FROM NAPHTHALENE.
- . Waste code: K024
- . Waste name: DISTILLATION BOTTOMS FROM THE PRODUCTION OF PHTHALIC ANHYDRIDE FROM NAPHTHALENE.
- . Waste code: K025
- . Waste name: DISTILLATION BOTTOMS FROM THE PRODUCTION OF NITROBENZENE BY THE NITRATION OF BENZENE.
- . Waste code: K026
- . Waste name: STRIPPING STILL TAILS FROM THE PRODUCTION OF METHYL ETHYL PYRIDINES.
- . Waste code: K027
- . Waste name: CENTRIFUGE AND DISTILLATION RESIDUES FROM TOLUENE DIISOCYANATE PRODUCTION.
- . Waste code: K028
- . Waste name: SPENT CATALYST FROM THE HYDROCHLORINATOR REACTOR IN THE PRODUCTION OF 1,1,1-TRICHLOROETHANE.
- . Waste code: K029
- . Waste name: WASTE FROM THE PRODUCT STEAM STRIPPER IN THE PRODUCTION OF 1,1,1-TRICHLOROETHANE.
- . Waste code: K030
- . Waste name: COLUMN BOTTOMS OR HEAVY ENDS FROM THE COMBINED PRODUCTION OF TRICHLOROETHYLENE AND PERCHLOROETHYLENE.
- . Waste code: K031
- . Waste name: BY-PRODUCT SALTS GENERATED IN THE PRODUCTION OF MSMA AND CACODYLIC ACID.
- . Waste code: K032
- . Waste name: WASTEWATER TREATMENT SLUDGE FROM THE PRODUCTION OF CHLORDANE.
- . Waste code: K033
- . Waste name: WASTEWATER AND SCRUB WATER FROM THE CHLORINATION OF CYCLOPENTADIENE IN THE PRODUCTION OF CHLORDANE.
- . Waste code: K034

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- . Waste name: FILTER SOLIDS FROM THE FILTRATION OF HEXACHLOROCYCLOPENTADIENE IN THE PRODUCTION OF CHLORDANE.
- . Waste code: K035
- . Waste name: WASTEWATER TREATMENT SLUDGES GENERATED IN THE PRODUCTION OF CREOSOTE.
- . Waste code: K036
- . Waste name: STILL BOTTOMS FROM TOLUENE RECLAMATION DISTILLATION IN THE PRODUCTION OF DISULFOTON.
- . Waste code: K037
- . Waste name: WASTEWATER TREATMENT SLUDGES FROM THE PRODUCTION OF DISULFOTON.
- . Waste code: K038
- . Waste name: WASTEWATER FROM THE WASHING AND STRIPPING OF PHORATE PRODUCTION.
- . Waste code: K039
- . Waste name: FILTER CAKE FROM THE FILTRATION OF DIETHYLPHOSPHORODITHIOIC ACID IN THE PRODUCTION OF PHORATE.
- . Waste code: K040
- . Waste name: WASTEWATER TREATMENT SLUDGE FROM THE PRODUCTION OF PHORATE.
- . Waste code: K041
- . Waste name: WASTEWATER TREATMENT SLUDGE FROM THE PRODUCTION OF TOXAPHENE.
- . Waste code: K042
- . Waste name: HEAVY ENDS OR DISTILLATION RESIDUES FROM THE DISTILLATION OF TETRACHLOROBENZENE IN THE PRODUCTION OF 2,4,5-T.
- . Waste code: K043
- . Waste name: 2,6-DICHLOROPHENOL WASTE FROM THE PRODUCTION OF 2,4-D.
- . Waste code: K046
- . Waste name: WASTEWATER TREATMENT SLUDGES FROM THE MANUFACTURING, FORMULATION, AND LOADING OF LEAD-BASED INITIATING COMPOUNDS.
- . Waste code: K048
- . Waste name: DISSOLVED AIR FLOTATION (DAF) FLOAT FROM THE PETROLEUM REFINING INDUSTRY.
- . Waste code: K049
- . Waste name: SLOP OIL EMULSION SOLIDS FROM THE PETROLEUM REFINING INDUSTRY.
- . Waste code: K050
- . Waste name: HEAT EXCHANGER BUNDLE CLEANING SLUDGE FROM THE PETROLEUM REFINING INDUSTRY.
- . Waste code: K051
- . Waste name: API SEPARATOR SLUDGE FROM THE PETROLEUM REFINING INDUSTRY.
- . Waste code: K052
- . Waste name: TANK BOTTOMS (LEADED) FROM THE PETROLEUM REFINING INDUSTRY.
- . Waste code: K060
- . Waste name: AMMONIA STILL LIME SLUDGE FROM COKING OPERATIONS.

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- . Waste code: K061
- . Waste name: EMISSION CONTROL DUST/SLUDGE FROM THE PRIMARY PRODUCTION OF STEEL IN ELECTRIC FURNACES.

- . Waste code: K062
- . Waste name: SPENT PICKLE LIQUOR FROM STEEL FINISHING OPERATIONS OF PLANTS THAT PRODUCE IRON OR STEEL.

- . Waste code: K069
- . Waste name: EMISSION CONTROL DUST/SLUDGE FROM SECONDARY LEAD SMELTING.

- . Waste code: K071
- . Waste name: BRINE PURIFICATION MUDS FROM THE MERCURY CELL PROCESS IN CHLORINE PRODUCTION, IN WHICH SEPARATELY PREPURIFIED BRINE IS NOT USED.

- . Waste code: K073
- . Waste name: CHLORINATED HYDROCARBON WASTE FROM THE PURIFICATION STEP OF THE DIAPHRAGM CELL PROCESS USING GRAPHITE ANODES IN CHLORINE PRODUCTION.

- . Waste code: K083
- . Waste name: DISTILLATION BOTTOMS FROM ANILINE PRODUCTION.

- . Waste code: K084
- . Waste name: WASTEWATER TREATMENT SLUDGES GENERATED DURING THE PRODUCTION OF VETERINARY PHARMACEUTICALS FROM ARSENIC OR ORGANO-ARSENIC COMPOUNDS.

- . Waste code: K085
- . Waste name: DISTILLATION OR FRACTIONATION COLUMN BOTTOMS FROM THE PRODUCTION OF CHLOROBENZENES.

- . Waste code: K086
- . Waste name: SOLVENT WASHES AND SLUDGES, CAUSTIC WASHES AND SLUDGES, OR WATER WASHES AND SLUDGES FROM CLEANING TUBS AND EQUIPMENT USED IN THE FORMULATION OF INK FROM PIGMENTS, DRIERS, SOAPS, AND STABILIZERS CONTAINING CHROMIUM AND LEAD.

- . Waste code: K087
- . Waste name: DECANter TANK TAR SLUDGE FROM COKING OPERATIONS.

- . Waste code: K088
- . Waste name: SPENT POTLINERS FROM PRIMARY ALUMINUM REDUCTION.

- . Waste code: K093
- . Waste name: DISTILLATION LIGHT ENDS FROM THE PRODUCTION OF PHTHALIC ANHYDRIDE FROM ORTHO-XYLENE.

- . Waste code: K094
- . Waste name: DISTILLATION BOTTOMS FROM THE PRODUCTION OF PHTHALIC ANHYDRIDE FROM ORTHO-XYLENE.

- . Waste code: K095
- . Waste name: DISTILLATION BOTTOMS FROM THE PRODUCTION OF 1,1,1-TRICHLOROETHANE.

- . Waste code: K096
- . Waste name: HEAVY ENDS FROM THE HEAVY ENDS COLUMN FROM THE PRODUCTION OF 1,1,1-TRICHLOROETHANE.

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- . Waste code: K097
- . Waste name: VACUUM STRIPPER DISCHARGE FROM THE CHLORDANE CHLORINATOR IN THE PRODUCTION OF CHLORDANE.

- . Waste code: K098
- . Waste name: UNTREATED PROCESS WASTEWATER FROM THE PRODUCTION OF TOXAPHENE.

- . Waste code: K099
- . Waste name: UNTREATED WASTEWATER FROM THE PRODUCTION OF 2,4-D.

- . Waste code: K100
- . Waste name: WASTE LEACHING SOLUTION FROM ACID LEACHING OF EMISSION CONTROL DUST/SLUDGE FROM SECONDARY LEAD SMELTING.

- . Waste code: K101
- . Waste name: DISTILLATION TAR RESIDUES FROM THE DISTILLATION OF ANILINE-BASED COMPOUNDS IN THE PRODUCTION OF VETERINARY PHARMACEUTICALS FROM ARSENIC OR ORGANO-ARSENIC COMPOUNDS.

- . Waste code: K102
- . Waste name: RESIDUE FROM THE USE OF ACTIVATED CARBON FOR DECOLORIZATION IN THE PRODUCTION OF VETERINARY PHARMACEUTICALS FROM ARSENIC OR ORGANO-ARSENIC COMPOUNDS.

- . Waste code: K103
- . Waste name: PROCESS RESIDUES FROM ANILINE EXTRACTION FROM THE PRODUCTION OF ANILINE.

- . Waste code: K104
- . Waste name: COMBINED WASTEWATERS GENERATED FROM NITROBENZENE/ANILINE PRODUCTION.

- . Waste code: K105
- . Waste name: SEPARATED AQUEOUS STREAM FROM THE REACTOR PRODUCT WASHING STEP IN THE PRODUCTION OF CHLOROBENZENES.

- . Waste code: K106
- . Waste name: WASTEWATER TREATMENT SLUDGE FROM THE MERCURY CELL PROCESS IN CHLORINE PRODUCTION.

- . Waste code: K107
- . Waste name: COLUMN BOTTOMS FROM PRODUCT SEPARATION FROM THE PRODUCTION OF 1,1-DIMETHYLHYDRAZINE (UDMH) FROM CARBOXYLIC ACID HYDRAZIDES.

- . Waste code: K108
- . Waste name: CONDENSED COLUMN OVERHEADS FROM PRODUCT SEPARATION AND CONDENSED REACTOR VENT GASES FROM THE PRODUCTION OF 1,1-DIMETHYLHYDRAZINE FROM CARBOXYLIC ACID HYDRAZIDES.

- . Waste code: K109
- . Waste name: SPENT FILTER CARTRIDGES FROM PRODUCT PURIFICATION FROM THE PRODUCT OF 1,1-DIMETHYLHYDRAZINE FROM CARBOXYLIC ACID HYDRAZIDES.

- . Waste code: K110
- . Waste name: CONDENSED COLUMN OVERHEADS FROM INTERMEDIATE SEPARATION FROM THE PRODUCTION OF 1,1-DIMETHYLHYDRAZINE FROM CARBOXYLIC ACID HYDRAZIDES.

- . Waste code: K111

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- . Waste name: PRODUCT WASHWATERS FROM THE PRODUCTION OF DINITROTOLUENE VIA NITRATION OF TOLUENE.
- . Waste code: K112
- . Waste name: REACTION BY-PRODUCT WATER FROM THE DRYING COLUMN IN THE PRODUCTION OF TOLUENEDIAMINE VIA HYDROGENATION OF DINITROTOLUENE.
- . Waste code: K113
- . Waste name: CONDENSED LIQUID LIGHT ENDS FROM PURIFICATION OF TOLUENEDIAMINE IN PRODUCTION OF TOLUENEDIAMINE VIA HYDROGENATION OF DINITROTOLUENE.
- . Waste code: K114
- . Waste name: VICINALS FROM THE PURIFICATION OF TOLUENEDIAMINE IN PRODUCTION OF TOLUENEDIAMINE VIA HYDROGENATION OF DINITROTOLUENE.
- . Waste code: K115
- . Waste name: HEAVY ENDS FROM PURIFICATION OF TOLUENEDIAMINE IN THE PRODUCTION OF TOLUENEDIAMINE VIA HYDROGENATION OF DINITROTOLUENE.
- . Waste code: K116
- . Waste name: ORGANIC CONDENSATE FROM THE SOLVENT RECOVERY COLUMN IN THE PRODUCTION OF TOLUENE DIISOCYANATE VIA PHOSGENATION OF TOLUENEDIAMINE.
- . Waste code: K117
- . Waste name: WASTEWATER FROM THE REACTOR VENT GAS SCRUBBER IN THE PRODUCTION OF ETHYLENE DIBROMIDE VIA BROMINATION OF ETHENE.
- . Waste code: K118
- . Waste name: SPENT ADSORBENT SOLIDS FROM PURIFICATION OF ETHYLENE DIBROMIDE IN THE PRODUCTION OF ETHYLENE DIBROMIDE VIA BROMINATION OF ETHENE.
- . Waste code: K123
- . Waste name: PROCESS WASTEWATER (INCLUDING SUPERNATES, FILTRATES, AND WASHWATERS) FROM THE PRODUCTION OF ETHYLENEBISDITHIOCARBAMIC ACID AND ITS SALTS.
- . Waste code: K124
- . Waste name: REACTOR VENT SCRUBBER WATER FROM THE PRODUCTION OF ETHYLENEBISDITHIOCARBAMIC ACID AND ITS SALTS.
- . Waste code: K125
- . Waste name: FILTRATION, EVAPORATION, AND CENTRIFUGATION SOLIDS FROM THE PRODUCTION OF ETHYLENEBISDITHIOCARBAMIC ACID AND ITS SALTS.
- . Waste code: K126
- . Waste name: BAGHOUSE DUST AND FLOOR SWEEPINGS IN MILLING AND PACKAGING OPERATIONS FROM PRODUCTION OR FORMULATION OF ETHYLENEBISDITHIOCARBAMIC ACID AND ITS SALTS.
- . Waste code: K131
- . Waste name: WASTEWATER FROM THE REACTOR AND SPENT SULFURIC ACID FROM THE ACID DRYER FROM THE PRODUCTION OF METHYL BROMIDE.
- . Waste code: K132
- . Waste name: SPENT ABSORBENT AND WASTEWATER SEPARATOR SOLIDS FROM THE PRODUCTION OF METHYL BROMIDE.
- . Waste code: K136

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- . Waste name: STILL BOTTOMS FROM THE PURIFICATION OF ETHYLENE DIBROMIDE IN THE PRODUCTION OF ETHYLENE DIBROMIDE VIA BROMINATION OF ETHENE.
- . Waste code: K141
- . Waste name: PROCESS RESIDUES FROM THE RECOVERY OF COAL TAR, INCLUDING, BUT NOT LIMITED TO, TAR COLLECTING SUMP RESIDUES FROM THE PRODUCTION OF COKE FROM COAL OR THE RECOVERY OF COKE BY-PRODUCTS PRODUCED FROM COAL. THIS LISTING DOES NOT INCLUDE K087 (DECANTER TANK SLUDGE FROM COKING OPERATIONS).
- . Waste code: K142
- . Waste name: TANK STORAGE RESIDUES FROM THE PRODUCTION OF COKE FROM COAL OR FROM THE RECOVERY OF COKE BY-PRODUCTS FROM COAL.
- . Waste code: K143
- . Waste name: PROCESS RESIDUES FROM THE RECOVERY OF LIGHT OIL, INCLUDING, BUT NOT LIMITED TO, THOSE GENERATED IN STILLs, DECANTERS, AND WASH OIL RECOVERY UNITS FROM THE RECOVERY OF COKE BY-PRODUCTS PRODUCED FROM COAL.
- . Waste code: K144
- . Waste name: WASTEWATER SUMP RESIDUES FROM LIGHT OIL REFINING, INCLUDING, BUT NOT LIMITED TO, INTERCEPTING OR CONTAMINATION SUMP SLUDGES FROM THE RECOVERY OF COKE BY-PRODUCTS PRODUCED FROM COAL.
- . Waste code: K145
- . Waste name: RESIDUES FROM NAPHTHALENE COLLECTION AND RECOVERY OPERATIONS FROM THE RECOVERY OF COKE BY-PRODUCTS PRODUCED FROM COAL.
- . Waste code: K147
- . Waste name: TAR STORAGE RESIDUES FROM COAL TAR REFINING.
- . Waste code: K148
- . Waste name: RESIDUES FROM COAL TAR DISTILLATION, INCLUDING, BUT NOT LIMITED TO, STILL BOTTOMS.
- . Waste code: K149
- . Waste name: DISTILLATION BOTTOMS FROM THE PRODUCTION OF ALPHA (OR METHYL-) CHLORINATED TOLUENES, RING-CHLORINATED TOLUENES, BENZOYL CHLORIDES, AND COMPOUNDS WITH MIXTURES OF THESE FUNCTIONAL GROUPS. [THIS WASTE DOES NOT INCLUDE STILL BOTTOMS FROM THE DISTILLATION OF BENZOYL CHLORIDE]
- . Waste code: K150
- . Waste name: ORGANIC RESIDUES EXCLUDING SPENT CARBON ADSORBENT, FROM THE SPENT CHLORINE GAS AND HYDROCHLORIC ACID RECOVERY PROCESSES ASSOCIATED WITH THE PRODUCTION OF ALPHA (OR METHYL-) CHLORINATED TOLUENES, BENZOYL CHLORIDES, AND COMPOUNDS WITH MIXTURES OF THESE FUNCTIONAL GROUPS.
- . Waste code: K151
- . Waste name: WASTEWATER TREATMENT SLUDGES, EXCLUDING NEUTRALIZATION AND BIOLOGICAL SLUDGES, GENERATED DURING THE TREATMENT OF WASTEWATERS FROM THE PRODUCTION OF ALPHA (OR METHYL-) CHLORINATED TOLUENES, BENZOYL CHLORIDES, AND COMPOUNDS WITH MIXTURES OF THESE FUNCTIONAL GROUPS.
- . Waste code: K156
- . Waste name: ORGANIC WASTE (INCLUDING HEAVY ENDS, STILL BOTTOMS, LIGHT ENDS, SPENT SOLVENTS, FILTRATES, AND DECANTATES) FROM THE PRODUCTION OF CARBAMATES

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AND CARBAMOYL OXIMES.

- . Waste code: K157
- . Waste name: WASTEWATERS (INCLUDING SCRUBBER WATERS, CONDENSER WATERS, WASHWATERS, AND SEPARATION WATERS) FROM THE PRODUCTION OF CARBAMATES AND CARBAMOYL OXIMES.
- . Waste code: K158
- . Waste name: BAG HOUSE DUSTS AND FILTER/SEPARATION SOLIDS FROM THE PRODUCTION OF CARBAMATES AND CARBAMOYL OXIMES.
- . Waste code: K159
- . Waste name: ORGANICS FROM THE TREATMENT OF THIOCARBAMATE WASTES.
- . Waste code: K161
- . Waste name: PURIFICATION SOLIDS (INCLUDING FILTRATION, EVAPORATION, AND CENTRIFUGATION SOLIDS), BAG HOUSE DUST AND FLOOR SWEEPINGS FROM THE PRODUCTION OF DITHIOCARBAMATE ACIDS AND THEIR SALTS. (THIS LISTING DOES NOT INCLUDE K125 OR K126).
- . Waste code: P001
- . Waste name: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3% (OR) WARFARIN, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%
- . Waste code: P002
- . Waste name: 1-ACETYL-2-THIOUREA (OR) ACETAMIDE, N-(AMINOTHIOXOMETHYL)-
- . Waste code: P003
- . Waste name: 2-PROPENAL (OR) ACROLEIN
- . Waste code: P004
- . Waste name: 1,4,5,8-DIMETHANONAPHTHALENE, 1,2,3,4,10,10-HEXA-CHLORO-1,4,4A,5,8,8A,-HEXAHYDRO-, (1ALPHA, 4ALPHA, 4ABETA, 5ALPHA, 8ALPHA, 8ABETA)- (OR) ALDRIN
- . Waste code: P005
- . Waste name: 2-PROPEN-1-OL (OR) ALLYL ALCOHOL
- . Waste code: P007
- . Waste name: 3(2H)-ISOXAZOLONE, 5-(AMINOMETHYL)- (OR) 5-(AMINOMETHYL)-3-ISOXAZOLOL
- . Waste code: P008
- . Waste name: 4-AMINOPYRIDINE (OR) 4-PYRIDINAMINE
- . Waste code: P010
- . Waste name: ARSENIC ACID H3ASO4
- . Waste code: P011
- . Waste name: ARSENIC OXIDE AS2O5 (OR) ARSENIC PENTOXIDE
- . Waste code: P012
- . Waste name: ARSENIC OXIDE AS2O3 (OR) ARSENIC TRIOXIDE
- . Waste code: P013
- . Waste name: BARIUM CYANIDE

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. Waste code:	P014
. Waste name:	BENZENETHIOL (OR) THIOPHENOL
. Waste code:	P015
. Waste name:	BERYLLIUM
. Waste code:	P016
. Waste name:	DICHLOROMETHYL ETHER (OR) METHANE, OXYBIS[CHLORO-
. Waste code:	P017
. Waste name:	2-PROPANONE, 1-BROMO- (OR) BROMOACETONE
. Waste code:	P018
. Waste name:	BRUCINE (OR) STRYCHNIDIN-10-ONE, 2,3-DIMETHOXY-
. Waste code:	P020
. Waste name:	DINOSEB (OR) PHENOL, 2-(1-METHYLPROPYL)-4,6-DINITRO-
. Waste code:	P021
. Waste name:	CALCIUM CYANIDE (OR) CALCIUM CYANIDE CA(CN)2
. Waste code:	P022
. Waste name:	CARBON DISULFIDE
. Waste code:	P023
. Waste name:	ACETALDEHYDE, CHLORO- (OR) CHLOROACETALDEHYDE
. Waste code:	P024
. Waste name:	BENZENAMINE, 4-CHLORO- (OR) P-CHLORANILINE
. Waste code:	P026
. Waste name:	1-(O-CHLOROPHENYL)THIOUREA (OR) THIOUREA, (2-CHLOROPHENYL)-
. Waste code:	P027
. Waste name:	3-CHLOROPROPIONITRILE (OR) PROPANENITRILE, 3-CHLORO-
. Waste code:	P028
. Waste name:	BENZENE, (CHLOROMETHYL)- (OR) BENZYL CHLORIDE
. Waste code:	P029
. Waste name:	COPPER CYANIDE (OR) COPPER CYANIDE CU(CN)
. Waste code:	P030
. Waste name:	CYANIDES (SOLUBLE CYANIDE SALTS), NOT OTHERWISE SPECIFIED
. Waste code:	P031
. Waste name:	CYANOGEN (OR) ETHANEDINITRILE
. Waste code:	P033
. Waste name:	CYANOGEN CHLORIDE (OR) CYANOGEN CHLORIDE (CN)CL
. Waste code:	P034
. Waste name:	2-CYCLOHEXYL-4,6-DINITROPHENOL (OR) PHENOL, 2-CYCLOHEXYL-4,6-DINITRO-
. Waste code:	P036
. Waste name:	ARSONOUS DICHLORIDE, PHENYL- (OR) DICHLOROPHENYLARSINE

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- . Waste code: P037
- . Waste name: 2,7:3,6-DIMETHANONAPHTH[2,3-B]OXIRENE,
3,4,5,6,9,9-HEXACHLORO-1A,2,2A,3,6,6A,7,7A-OCTAHYDRO-, (1AALPHA,
2BETA, 2AALPHA, 3BETA, 6BETA, 6AALPHA, 7BETA, 7AALPHA)- (OR) DIELDRIN

- . Waste code: P038
- . Waste name: ARSINE, DIETHYL- (OR) DIETHYLARSINE

- . Waste code: P039
- . Waste name: DISULFOTON (OR) PHOSPHORODITHIOIC ACID, O,O-DIETHYL
S-[2-(ETHYLTHIO)ETHYL] ESTER

- . Waste code: P040
- . Waste name: O,O-DIETHYL O-PYRAZINYL PHOSPHOROTHIOATE (OR) PHOSPHOROTHIOIC ACID,
O,O-DIETHYL O-PYRAZINYL ESTER

- . Waste code: P041
- . Waste name: DIETHYL-P-NITROPHENYL PHOSPHATE (OR) PHOSPHORIC ACID, DIETHYL
4-NITROPHENYL ESTER

- . Waste code: P042
- . Waste name: 1,2-BENZENEDIOL, 4-[1-HYDROXY-2-(METHYLAMINO)ETHYL]-, (R)- (OR)
EPINEPHRINE

- . Waste code: P043
- . Waste name: DIISOPROPYLFLUOROPHOSPHATE (DFP) (OR) PHOSPHOROFUORIDIC ACID,
BIS(1-METHYLETHYL) ESTER

- . Waste code: P044
- . Waste name: DIMETHOATE (OR) PHOSPHORODITHIOIC ACID, O,O-DIMETHYL
S-[2-(METHYLAMINO)-2-OXOETHYL] ESTER

- . Waste code: P045
- . Waste name: 2-BUTANONE, 3,3-DIMETHYL-1-(METHYLTHIO)-, O-[METHYLAMINO)CARBONYL]
OXIME (OR) THIOFANOX

- . Waste code: P046
- . Waste name: ALPHA,ALPHA-DIMETHYLPHENETHYLAMINE (OR) BENZENEETHANAMINE, ALPHA,
ALPHA-DIMETHYL-

- . Waste code: P047
- . Waste name: 4,6-DINITRO-O-CRESOL, & SALTS (OR) PHENOL, 2-METHYL-4,6-DINITRO-, &
SALTS

- . Waste code: P048
- . Waste name: 2,4-DINITROPHENOL (OR) PHENOL, 2,4-DINITRO-

- . Waste code: P049
- . Waste name: DITHIOBIURET (OR) THIOIMIDODICARBONIC DIAMIDE [(H2N)C(S)]2NH

- . Waste code: P050
- . Waste name: 6,9-METHANO-2,4,3-BENZODIOXATHIEPIN,6,7,8,9,10,10-HEXACHLORO-1,5,5A,6,
,9A-HEXAHYDRO-,3-OXIDE (OR) ENDOSULFAN

- . Waste code: P051
- . Waste name: 2,7:3,6-DIMETHANONAPHTH[2,3-B]OXIRENE,
3,4,5,6,9,9-HEXACHLORO-1A,2,2A,3,6,6A,7,7A-OCTAHYDRO-, (1AALPHA,

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2BETA, 2ABETA, 3ALPHA, 6ALPHA, 6ABETA, 7BETA, 7AALPHA)- & METABOLITES
(OR) ENDRIN (OR) ENDRIN, & METABOLITES

- . Waste code: P054
- . Waste name: AZIRIDINE (OR) ETHYLENEIMINE

- . Waste code: P056
- . Waste name: FLUORINE

- . Waste code: P057
- . Waste name: ACETAMIDE, 2-FLUORO- (OR) FLUOROACETAMIDE

- . Waste code: P058
- . Waste name: ACETIC ACID, FLUORO-, SODIUM SALT (OR) FLUOROACETIC ACID, SODIUM SALT

- . Waste code: P059
- . Waste name: 4,7-METHANO-1H-INDENE, 1,4,5,6,7,8,8-HEPTACHLORO-3A,4,7,7A-TETRAHYDRO-
(OR) HEPTACHLOR

- . Waste code: P060
- . Waste name: 1,4,5,8-DIMETHANONAPHTHALENE,
1,2,3,4,10,10-HEXA-CHLORO-1,4,4A,5,8,8A,-HEXAHYDRO-, (1ALPHA, 4ALPHA,
4ABETA, 5BETA, 8BETA, 8ABETA)- (OR) ISODRIN

- . Waste code: P062
- . Waste name: HEXAETHYL TETRAPHOSPHATE (OR) TETRAPHOSPHORIC ACID, HEXAETHYL ESTER

- . Waste code: P063
- . Waste name: HYDROCYANIC ACID (OR) HYDROGEN CYANIDE

- . Waste code: P064
- . Waste name: METHANE, ISOCYANATO- (OR) METHYL ISOCYANATE

- . Waste code: P066
- . Waste name: ETHANIMIDOTHIOIC ACID, N-[[[(METHYLAMINO)CARBONYL]OXY]-, METHYL ESTER
(OR) METHOMYL

- . Waste code: P067
- . Waste name: 1,2-PROPYLENIMINE (OR) AZIRIDINE, 2-METHYL-

- . Waste code: P068
- . Waste name: HYDRAZINE, METHYL- (OR) METHYL HYDRAZINE

- . Waste code: P069
- . Waste name: 2-METHYLLACTONITRILE (OR) PROPANENITRILE, 2-HYDROXY-2-METHYL-

- . Waste code: P070
- . Waste name: ALDICARB (OR) PROPANAL, 2-METHYL-2-(METHYLTHIO)-,
O-[(METHYLAMINO)CARBONYL]OXIME

- . Waste code: P071
- . Waste name: METHYL PARATHION (OR) PHOSPHOROTHIOIC ACID, O,O,-DIMETHYL
O-(4-NITROPHENYL) ESTER

- . Waste code: P072
- . Waste name: ALPHA-NAPHTHYLTHIOUREA (OR) THIOUREA, 1-NAPHTHALENYL-

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- . Waste code: P073
- . Waste name: NICKEL CARBONYL (OR) NICKEL CARBONYL NI(CO)4, (T-4)-
- . Waste code: P074
- . Waste name: NICKEL CYANIDE (OR) NICKEL CYANIDE NI(CN)2
- . Waste code: P075
- . Waste name: NICOTINE, & SALTS (OR) PYRIDINE, 3-(1-METHYL-2-PYRROLIDINYL)-(S)-, & SALTS
- . Waste code: P076
- . Waste name: NITRIC OXIDE (OR) NITROGEN OXIDE NO
- . Waste code: P077
- . Waste name: BENZENAMINE, 4-NITRO- (OR) P-NITROANILINE
- . Waste code: P078
- . Waste name: NITROGEN DIOXIDE (OR) NITROGEN OXIDE NO2
- . Waste code: P082
- . Waste name: METHANIMINE, N-METHYL-N-NITROSO- (OR) N-NITROSODIMETHYLAMINE
- . Waste code: P084
- . Waste name: N-NITROSOMETHYLVINYLAMINE (OR) VINYLAMINE, N-METHYL-N-NITROSO-
- . Waste code: P085
- . Waste name: DIPHOSPHORAMIDE, OCTAMETHYL- (OR) OCTAMETHYLPYROPHOSPHORAMIDE
- . Waste code: P087
- . Waste name: OSMIUM OXIDE OSO4, (T-4)- (OR) OSMIUM TETROXIDE
- . Waste code: P088
- . Waste name: 7-OXABICYCLO[2.2.1]HEPTANE-2,3-DICARBOXYLIC ACID (OR) ENDOTHALL
- . Waste code: P089
- . Waste name: PARATHION (OR) PHOSPHOROTHIOIC ACID, O,O-DIETHYL-O-(4-NITROPHENYL) ESTER
- . Waste code: P092
- . Waste name: MERCURY, (ACETATO-O)PHENYL- (OR) PHENYLMERCURY ACETATE
- . Waste code: P093
- . Waste name: PHENYLTHIOUREA (OR) THIOUREA, PHENYL-
- . Waste code: P094
- . Waste name: PHORATE (OR) PHOSPHORODITHIOIC ACID, O,O-DIETHYL S-[(ETHYLTHIO)METHYL] ESTER
- . Waste code: P095
- . Waste name: CARBONIC DICHLORIDE (OR) PHOSGENE
- . Waste code: P096
- . Waste name: HYDROGEN PHOSPHIDE (OR) PHOSPHINE
- . Waste code: P097
- . Waste name: FAMPHUR (OR) PHOSPHOROTHIOIC ACID O-[4-[(DIMETHYLAMINO)SULFONYL]PHENYL] O,O-DIMETHYL ESTER

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- . Waste code: P098
- . Waste name: POTASSIUM CYANIDE (OR) POTASSIUM CYANIDE K(CN)

- . Waste code: P099
- . Waste name: ARGENTATE (1-), BIS(CYANO-C)-, POTASSIUM (OR) POTASSIUM SILVER CYANIDE

- . Waste code: P101
- . Waste name: ETHYL CYANIDE (OR) PROPANENITRILE

- . Waste code: P102
- . Waste name: 2-PROPYN-1-OL (OR) PROPARGYL ALCOHOL

- . Waste code: P103
- . Waste name: SELENOUREA

- . Waste code: P104
- . Waste name: SILVER CYANIDE (OR) SILVER CYANIDE AG(CN)

- . Waste code: P105
- . Waste name: SODIUM AZIDE

- . Waste code: P106
- . Waste name: SODIUM CYANIDE (OR) SODIUM CYANIDE NA(CN)

- . Waste code: P107
- . Waste name: STRONTIUM SULFIDE SRS

- . Waste code: P108
- . Waste name: STRYCHNIDIN-10-ONE, & SALTS (OR) STRYCHNINE, & SALTS

- . Waste code: P109
- . Waste name: TETRAETHYLDITHIOPYROPHOSPHATE (OR) THIODIPHOSPHORIC ACID, TETRAETHYL ESTER

- . Waste code: P110
- . Waste name: PLUMBANE, TETRAETHYL- (OR) TETRAETHYL LEAD

- . Waste code: P111
- . Waste name: DIPHOSPHORIC ACID, TETRAETHYL ESTER (OR) TETRAETHYL PYROPHOSPHATE

- . Waste code: P113
- . Waste name: THALLIC OXIDE (OR) THALLIUM OXIDE TL2O3

- . Waste code: P114
- . Waste name: SELENIOS ACID, DITHALLIUM (1+) SALT (OR) THALLIUM(I) SELENITE

- . Waste code: P115
- . Waste name: SULFURIC ACID, DITHALLIUM (1+) SALT (OR) THALLIUM(I) SULFATE

- . Waste code: P116
- . Waste name: HYDRAZINECARBOTHIOAMIDE (OR) THIOSEMICARBAZIDE

- . Waste code: P118
- . Waste name: METHANETHIOL, TRICHLORO- (OR) TRICHLOROMETHANETHIOL

- . Waste code: P119
- . Waste name: AMMONIUM VANADATE (OR) VANADIC ACID, AMMONIUM SALT

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- . Waste code: P120
- . Waste name: VANADIUM OXIDE V2O5 (OR) VANADIUM PENTOXIDE

- . Waste code: P121
- . Waste name: ZINC CYANIDE (OR) ZINC CYANIDE ZN(CN)2

- . Waste code: P122
- . Waste name: ZINC PHOSPHIDE ZN3P2, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 10% (R,T)

- . Waste code: P123
- . Waste name: TOXAPHENE

- . Waste code: P127
- . Waste name: 7-BENZOFURANOL, 2,3-DIHYDRO-2,2-DIMETHYL-, METHYLCARBAMATE (OR) CARBOFURAN

- . Waste code: P128
- . Waste name: PHENOL, 4-(DIMETHYLAMINO)-3,5-DIMETHYL-, METHYLCARBAMATE (ESTER)

- . Waste code: P185
- . Waste name: 1,3-DITHIOLANE-2-CARBOXALDEHYDE, 2,4-DIMETHYL-, O-[(METHYLAMINO)-CARBONYL]OXIME (OR) TIRPATE

- . Waste code: P188
- . Waste name: BENZOIC ACID, 2-HYDROXY-, COMPD. WITH (3AS-CIS)-1,2,3,3A,8,8A-HEXAHYDRO-1,3A,8-TRIMETHYLPYRROLO[2,3-B]INDOL-5-YL METHYLCARBAMATE ESTER (1:1) (OR) PHYSOSTIGMINE SALICYLATE

- . Waste code: P189
- . Waste name: CARBAMIC ACID, [(DIBUTYLAMINO)-THIO]METHYL-, 2,3-DIHYDRO-2,2-DIMETHYL-7-BENZOFURANYL ESTER (OR) CARBOSULFAN

- . Waste code: P190
- . Waste name: CARBAMIC ACID, METHYL-, 3-METHYLPHENYL ESTER (OR) METOLCARB

- . Waste code: P191
- . Waste name: CARBAMIC ACID, DIMETHYL-, 1-[(DIMETHYL-AMINO)CARBONYL]- 5-METHYL-1H-PYRAZOL-3-YL ESTER (OR) DIMETILAN

- . Waste code: P192
- . Waste name: ISOLAN (OR) CARBAMIC ACID, DIMETHYL-, 3-METHYL-(1-METHYLETHYL)-1H-PYRAZOL-5-YL ESTER

- . Waste code: P194
- . Waste name: ETHANIMIDOTHIOIC ACID, 2-(DIMETHYLAMINO)-N-[(METHYLAMINO)CARBONYL]OXY]-2-OXO-, METHYL ESTER (OR) OXAMYL

- . Waste code: P196
- . Waste name: MANGANESE DIMETHYLDITHIOCARBAMATE (OR) MANGANESE, BIS(DIMETHYLCARBAMODITHIOATO-S,S')-,

- . Waste code: P197
- . Waste name: FORMPARANATE (OR) METHANIMIDAMIDE, N,N-DIMETHYL-N'-[2-METHYL-4-[(METHYLAMINO)CARBONYL]OXY]PHENYL]

- . Waste code: P198

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- . Waste name: METHANIMIDAMIDE,
N,N-DIMETHYL-N'-[3-[[[(METHYLAMINO)-CARBONYLOXY]PHENYL]-,
MONOHYDROCHLORIDE (OR) FORMETANATE HYDROCHLORIDE
- . Waste code: P199
- . Waste name: METHIOCARB (OR) MEXACARBATE (OR) PHENOL,
(3,5-DIMETHYL-4-(METHYLTHIO)-, METHYLCARBAMATE
- . Waste code: P201
- . Waste name: PHENOL, 3-METHYL-5-(1-METHYLETHYL)-, METHYL CARBAMATE (OR) PROMECARB
- . Waste code: P202
- . Waste name: M-CUMENYL METHYLCARBAMATE (OR) 3-ISOPROPYLPHENYL N-METHYLCARBAMATE
(OR) PHENOL, 3-(1-METHYLETHYL)-, METHYL CARBAMATE
- . Waste code: P203
- . Waste name: ALDICARB SULFONE (OR) PROPANAL, 2-METHYL-2-(METHYL-SULFONYL)-,
O-[[[(METHYLAMINO)CARBONYL] OXIME
- . Waste code: P204
- . Waste name: PHYSOSTIGMINE (OR) PYRROLO[2,3-B]INDOL-5-OL,
1,2,3,3A,8,8A-HEXAHYDRO-1,3A,8-TRIMETHYL-METHYLCARBAMATE (ESTER),
(3AS-CIS)-
- . Waste code: P205
- . Waste name: ZINC, BIS(DIMETHYLCARBAMODITHIOATO-S,S')-, (OR) ZIRAM
- . Waste code: U001
- . Waste name: ACETALDEHYDE (I) (OR) ETHANAL (I)
- . Waste code: U002
- . Waste name: 2-PROPANONE (I) (OR) ACETONE (I)
- . Waste code: U003
- . Waste name: ACETONITRILE (I,T)
- . Waste code: U004
- . Waste name: ACETOPHENONE (OR) ETHANONE, 1-PHENYL-
- . Waste code: U005
- . Waste name: 2-ACETYLAMINOFLUORENE (OR) ACETAMIDE, N-9H-FLUOREN-2-YL
- . Waste code: U006
- . Waste name: ACETYL CHLORIDE (C,R,T)
- . Waste code: U007
- . Waste name: 2-PROPENAMIDE (OR) ACRYLAMIDE
- . Waste code: U008
- . Waste name: 2-PROPENOIC ACID (I) (OR) ACRYLIC ACID (I)
- . Waste code: U009
- . Waste name: 2-PROPENENITRILE (OR) ACRYLONITRILE
- . Waste code: U010
- . Waste name: AZIRINO [2',3':3,4]PYRROLO[1,2-A]INDOLE-4,7-DIONE,
6-AMINO-8-[[[(AMINOCARBONYLOXY]METHYL]-1,1A,2,8,8A,8B-HEXAHYDRO-8A-MET

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OXY-5-METHYL-, [1AS-(1AALPHA, 8BETA, 8AALPHA, 8BALPHA)]- (OR)
MITOMYCIN C

- . Waste code: U011
- . Waste name: 1H-1,2,4-TRIAZOL-3-AMINE (OR) AMITROLE
- . Waste code: U012
- . Waste name: ANILINE (I,T) (OR) BENZENAMINE (I,T)
- . Waste code: U014
- . Waste name: AURAMINE (OR) BENZENAMINE, 4,4'-CARBONIMIDOYLBIS[N,N-DIMETHYL-
- . Waste code: U015
- . Waste name: AZASERINE (OR) L-SERINE, DIAZOACETATE (ESTER)
- . Waste code: U016
- . Waste name: BENZ[C]ACRIDINE
- . Waste code: U017
- . Waste name: BENZAL CHLORIDE (OR) BENZENE, (DICHLOROMETHYL)-
- . Waste code: U018
- . Waste name: BENZ[A]ANTHRACENE
- . Waste code: U019
- . Waste name: BENZENE (I,T)
- . Waste code: U020
- . Waste name: BENZENESULFONIC ACID CHLORIDE (C,R) (OR) BENZENESULFONYL CHLORIDE (C,R)
- . Waste code: U021
- . Waste name: [1,1'-BIPHENYL]-4,4'-DIAMINE (OR) BENZIDINE
- . Waste code: U022
- . Waste name: BENZO[A]PYRENE
- . Waste code: U024
- . Waste name: DICHLOROMETHOXY ETHANE (OR) ETHANE, 1,1'-[METHYLENEBIS(OXY)]BIS[2-CHLORO-
- . Waste code: U025
- . Waste name: DICHLOROETHYL ETHER (OR) ETHANE, 1,1'-OXYBIS[2-CHLORO-
- . Waste code: U026
- . Waste name: CHLORNAPHAZIN (OR) NAPHTHALENAMINE, N,N'-BIS(2-CHLOROETHYL)-
- . Waste code: U027
- . Waste name: DICHLOROISOPROPYL ETHER (OR) PROPANE, 2,2'-OXYBIS[2-CHLORO-
- . Waste code: U028
- . Waste name: 1,2-BENZENEDICARBOXYLIC ACID, BIS(2-ETHYLHEXYL) ESTER (OR) DIETHYLHEXYL PHTHALATE
- . Waste code: U029
- . Waste name: METHANE, BROMO- (OR) METHYL BROMIDE

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- . Waste code: U030
- . Waste name: 4-BROMOPHENYL PHENYL ETHER (OR) BENZENE, 1-BROMO-4-PHENOXY-
- . Waste code: U031
- . Waste name: 1-BUTANOL (I) (OR) N-BUTYL ALCOHOL (I)
- . Waste code: U032
- . Waste name: CALCIUM CHROMATE (OR) CHROMIC ACID H₂CrO₄, CALCIUM SALT
- . Waste code: U033
- . Waste name: CARBON OXYFLUORIDE (R,T) (OR) CARBONIC DIFLUORIDE
- . Waste code: U034
- . Waste name: ACETALDEHYDE, TRICHLORO- (OR) CHLORAL
- . Waste code: U035
- . Waste name: BENZENEBUTANOIC ACID, 4-[BIS(2-CHLOROETHYL)AMINO]- (OR) CHLORAMBUCIL
- . Waste code: U036
- . Waste name: 4,7-METHANO-1H-INDENE,
1,2,4,5,6,7,8-OCTACHLORO-2,3,3A,4,7,7A-HEXAHYDRO- (OR) CHLORDANE,
ALPHA & GAMMA ISOMERS
- . Waste code: U037
- . Waste name: BENZENE, CHLORO- (OR) CHLOROBENZENE
- . Waste code: U038
- . Waste name: BENZENEACETIC ACID, 4-CHLORO-ALPHA-(4-CHLOROPHENYL)-ALPHA-HYDROXY-,
ETHYL ESTER (OR) CHLOROBENZILATE
- . Waste code: U039
- . Waste name: P-CHLORO-M-CRESOL (OR) PHENOL, 4-CHLORO-3-METHYL-
- . Waste code: U041
- . Waste name: EPICHLOROHYDRIN (OR) OXIRANE, (CHLOROMETHYL)-
- . Waste code: U042
- . Waste name: 2-CHLOROETHYL VINYL ETHER (OR) ETHENE, (2-CHLOROETHOXY)-
- . Waste code: U043
- . Waste name: ETHENE, CHLORO- (OR) VINYL CHLORIDE
- . Waste code: U044
- . Waste name: CHLOROFORM (OR) METHANE, TRICHLORO-
- . Waste code: U045
- . Waste name: METHANE, CHLORO- (I,T) (OR) METHYL CHLORIDE (I,T)
- . Waste code: U046
- . Waste name: CHLOROMETHYL METHYL ETHER (OR) METHANE, CHLOROMETHOXY-
- . Waste code: U047
- . Waste name: BETA-CHLORONAPHTHALENE (OR) NAPHTHALENE, 2-CHLORO-
- . Waste code: U048
- . Waste name: O-CHLOROPHENOL (OR) PHENOL, 2-CHLORO-

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- . Waste code: U049
- . Waste name: 4-CHLORO-O-TOLUIDINE, HYDROCHLORIDE (OR) BENZENAMINE, 4-CHLORO-2-METHYL-, HYDROCHLORIDE
- . Waste code: U050
- . Waste name: CHRYSENE
- . Waste code: U051
- . Waste name: CREOSOTE
- . Waste code: U052
- . Waste name: CRESOL (CRESYLIC ACID) (OR) PHENOL, METHYL-
- . Waste code: U053
- . Waste name: 2-BUTENAL (OR) CROTONALDEHYDE
- . Waste code: U055
- . Waste name: BENZENE, (1-METHYLETHYL)- (I) (OR) CUMENE (I)
- . Waste code: U056
- . Waste name: BENZENE, HEXAHYDRO- (I) (OR) CYCLOHEXANE (I)
- . Waste code: U057
- . Waste name: CYCLOHEXANONE (I)
- . Waste code: U058
- . Waste name: 2H-1,3,2-OXAZAPHOSPHORIN-2-AMINE, N,N-BIS(2-CHLOROETHYL)TETRAHYDRO-, 2-OXIDE (OR) CYCLOPHOSPHAMIDE
- . Waste code: U059
- . Waste name: 5,12-NAPHTHACENEDIONE, 8-ACETYL-10-[(3-AMINO-2,3,6-TRIDEOXY)-ALPHA-L-LYXO-HEXOPYRANOSYL)OXY]-, 8,9,10-TETRAHYDRO-6,8,11-TRIHYDROXY-1-METHOXY-, (8S-CIS)- (OR) DAUNOMYCIN
- . Waste code: U060
- . Waste name: BENZENE, 1,1'-(2,2-DICHLOROETHYLIDENE)BIS[4-CHLORO- (OR) DDD
- . Waste code: U061
- . Waste name: BENZENE, 1,1'-(2,2,2-TRICHLOROETHYLIDENE)BIS[4-CHLORO- (OR) DDT
- . Waste code: U062
- . Waste name: CARBAMOTHIOIC ACID, BIS(1-METHYLETHYL)-, S-(2,3-DICHLORO-2-PROPENYL) ESTER (OR) DIALATE
- . Waste code: U063
- . Waste name: DIBENZ[A,H]ANTHRACENE
- . Waste code: U064
- . Waste name: BENZO[RST]PENTAPHENE (OR) DIBENZO[A,I]PYRENE
- . Waste code: U066
- . Waste name: 1,2-DIBROMO-3-CHLOROPROPANE (OR) PROPANE, 1,2-DIBROMO-3-CHLORO-
- . Waste code: U067
- . Waste name: ETHANE, 1,2-DIBROMO- (OR) ETHYLENE DIBROMIDE

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- . Waste code: U068
- . Waste name: METHANE, DIBROMO- (OR) METHYLENE BROMIDE
- . Waste code: U069
- . Waste name: 1,2-BENZENEDICARBOXYLIC ACID, DIBUTYL ESTER (OR) DIBUTYL PHTHALATE
- . Waste code: U070
- . Waste name: BENZENE, 1,2-DICHLORO- (OR) O-DICHLOROBENZENE
- . Waste code: U071
- . Waste name: BENZENE, 1,3-DICHLORO- (OR) M-DICHLOROBENZENE
- . Waste code: U072
- . Waste name: BENZENE, 1,4-DICHLORO- (OR) P-DICHLOROBENZENE
- . Waste code: U073
- . Waste name: [1,1'-BIPHENYL]-4,4'-DIAMINE, 3,3'-DICHLORO- (OR) 3,3'-DICHLOROBENZIDINE
- . Waste code: U074
- . Waste name: 1,4-DICHLORO-2-BUTENE (I,T) (OR) 2-BUTENE, 1,4-DICHLORO- (I,T)
- . Waste code: U075
- . Waste name: DICHLORODIFLUOROMETHANE (OR) METHANE, DICHLORODIFLUORO-
- . Waste code: U076
- . Waste name: ETHANE, 1,1-DICHLORO- (OR) ETHYLIDENE DICHLORIDE
- . Waste code: U077
- . Waste name: ETHANE, 1,2-DICHLORO- (OR) ETHYLENE DICHLORIDE
- . Waste code: U078
- . Waste name: 1,1-DICHLOROETHYLENE (OR) ETHENE, 1,1-DICHLORO-
- . Waste code: U079
- . Waste name: 1,2-DICHLOROETHYLENE (OR) ETHENE, 1,2-DICHLORO-, (E)-
- . Waste code: U080
- . Waste name: METHANE, DICHLORO- (OR) METHYLENE CHLORIDE
- . Waste code: U081
- . Waste name: 2,4-DICHLOROPHENOL (OR) PHENOL, 2,4-DICHLORO-
- . Waste code: U082
- . Waste name: 2,6-DICHLOROPHENOL (OR) PHENOL, 2,6-DICHLORO-
- . Waste code: U083
- . Waste name: PROPANE, 1,2-DICHLORO- (OR) PROPYLENE DICHLORIDE
- . Waste code: U084
- . Waste name: 1,3-DICHLOROPROPENE (OR) 1-PROPENE, 1,3-DICHLORO-
- . Waste code: U085
- . Waste name: 1,2:3,4-DIEPOXYBUTANE (I,T) (OR) 2,2'-BIOXIRANE
- . Waste code: U086
- . Waste name: HYDRAZINE, 1,2-DIETHYL- (OR) N,N'-DIETHYLHYDRAZINE

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- . Waste code: U087
- . Waste name: O,O-DIETHYL S-METHYL DITHIOPHOSPHATE (OR) PHOSPHORODITHIOIC ACID, O,O-DIETHYL S-METHYL ESTER

- . Waste code: U088
- . Waste name: 1,2-BENZENEDICARBOXYLIC ACID, DIETHYL ESTER (OR) DIETHYL PHTHALATE

- . Waste code: U089
- . Waste name: DIETHYLSTILBESTEROL (OR) PHENOL, 4,4'-(1,2-DIETHYL-1,2-ETHENEDIYL)BIS, (E)-

- . Waste code: U090
- . Waste name: 1,3-BENZODIOXOLE, 5-PROPYL- (OR) DIHYDROSAFROLE

- . Waste code: U091
- . Waste name: [1,1'-BIPHENYL]-4,4'-DIAMINE, 3,3'-DIMETHOXY- (OR) 3,3'-DIMETHOXYBENZIDINE

- . Waste code: U092
- . Waste name: DIMETHYLAMINE (I) (OR) METHANAMINE, N-METHYL- (I)

- . Waste code: U093
- . Waste name: BENZENAMINE, N,N-DIMETHYL-4-(PHENYLAZO)- (OR) P-DIMETHYLAMINOAZOBENZENE

- . Waste code: U094
- . Waste name: 7,12-DIMETHYLBENZ[A]ANTHRACENE (OR) BENZ[A]ANTHRACENE, 7,12-DIMETHYL-

- . Waste code: U095
- . Waste name: [1,1'-BIPHENYL]-4,4'-DIAMINE, 3,3'-DIMETHYL- (OR) 3,3'-DIMETHYLBENZIDINE

- . Waste code: U097
- . Waste name: CARBAMIC CHLORIDE, DIMETHYL- (OR) DIMETHYLCARBAMOYL CHLORIDE

- . Waste code: U098
- . Waste name: 1,1-DIMETHYLHYDRAZINE (OR) HYDRAZINE, 1,1-DIMETHYL-

- . Waste code: U099
- . Waste name: 1,2-DIMETHYLHYDRAZINE (OR) HYDRAZINE, 1,2-DIPHENYL-

- . Waste code: U101
- . Waste name: 2,4-DIMETHYLPHENOL (OR) PHENOL, 2,4-DIMETHYL-

- . Waste code: U102
- . Waste name: 1,2-BENZENEDICARBOXYLIC ACID, DIMETHYL ESTER (OR) DIMETHYL PHTHALATE

- . Waste code: U103
- . Waste name: DIMETHYL SULFATE (OR) SULFURIC ACID, DIMETHYL ESTER

- . Waste code: U105
- . Waste name: 2,4-DINITROTOLUENE (OR) BENZENE, 1-METHYL-2,4-DINITRO-

- . Waste code: U106
- . Waste name: 2,6-DINITROTOLUENE (OR) BENZENE, 2-METHYL-1,3-DINITRO-

- . Waste code: U107

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. Waste name:	1,2-BENZENEDICARBOXYLIC ACID, DIOCTYL ESTER (OR) DI-N-OCTYL PHTHALATE
. Waste code:	U108
. Waste name:	1,4-DIETHYLENEOXIDE (OR) 1,4-DIOXANE
. Waste code:	U109
. Waste name:	1,2-DIPHENYLHYDRAZINE (OR) HYDRAZINE, 1,2-DIPHENYL-
. Waste code:	U110
. Waste name:	1-PROPANIMINE, N-PROPYL-(I) (OR) DIPROPYLAMINE (I)
. Waste code:	U111
. Waste name:	1-PROPANAMINE, N-NITROSO-N-PROPYL- (OR) DI-N-PROPYLNITROSAMINE
. Waste code:	U112
. Waste name:	ACETIC ACID, ETHYL ESTER (I) (OR) ETHYL ACETATE (I)
. Waste code:	U113
. Waste name:	2-PROPENOIC ACID, ETHYL ESTER (I) (OR) ETHYL ACRYLATE (I)
. Waste code:	U114
. Waste name:	CARBAMODITHIOIC ACID, 1,2-ETHANEDIYLBIS-, SALTS & ESTERS (OR) ETHYLENEBISDITHIOCARBAMIC ACID, SALTS & ESTERS
. Waste code:	U115
. Waste name:	ETHYLENE OXIDE (I,T) (OR) OXIRANE (I,T)
. Waste code:	U116
. Waste name:	2-IMIDAZOLIDINETHIONE (OR) ETHYLENETHIOUREA
. Waste code:	U117
. Waste name:	ETHANE, 1,1'-OXYBIS-(I) (OR) ETHYL ETHER (I)
. Waste code:	U118
. Waste name:	2-PROPENOIC ACID, 2-METHYL-, ETHYL ESTER (OR) ETHYL METHACRYLATE
. Waste code:	U119
. Waste name:	ETHYL METHANESULFONATE (OR) METHANESULFONIC ACID, ETHYL ESTER
. Waste code:	U120
. Waste name:	FLUORANTHENE
. Waste code:	U121
. Waste name:	METHANE, TRICHLOROFLUORO- (OR) TRICHLOROMONOFUOROMETHANE
. Waste code:	U122
. Waste name:	FORMALDEHYDE
. Waste code:	U123
. Waste name:	FORMIC ACID (C,T)
. Waste code:	U124
. Waste name:	FURAN (I) (OR) FURFURAN (I)
. Waste code:	U125
. Waste name:	2-FURANCARBOXALDEHYDE (I) (OR) FURFURAL (I)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

- . Waste code: U126
- . Waste name: GLYCIDYLALDEHYDE (OR) OXIRANECARBOXYALDEHYDE

- . Waste code: U127
- . Waste name: BENZENE, HEXACHLORO- (OR) HEXACHLOROBENZENE

- . Waste code: U128
- . Waste name: 1,3-BUTADIENE, 1,1,2,3,4,4-HEXACHLORO- (OR) HEXACHLOROBUTADIENE

- . Waste code: U129
- . Waste name: CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, (1ALPHA, 2ALPHA, 3BETA, 4ALPHA, 5ALPHA, 6BETA)- (OR) LINDANE

- . Waste code: U130
- . Waste name: 1,3-CYCLOPENTADIENE, 1,2,3,4,5,5-HEXACHLORO- (OR) HEXACHLOROCYCLOPENTADIENE

- . Waste code: U131
- . Waste name: ETHANE, HEXACHLORO- (OR) HEXACHLOROETHANE

- . Waste code: U132
- . Waste name: HEXACHLOROPHENE (OR) PHENOL, 2,2'-METHYLENEBIS[3,4,6-TRICHLORO-

- . Waste code: U134
- . Waste name: HYDROFLUORIC ACID (C,T) (OR) HYDROGEN FLUORIDE (C,T)

- . Waste code: U135
- . Waste name: HYDROGEN SULFIDE (OR) HYDROGEN SULFIDE H2S

- . Waste code: U136
- . Waste name: ARSINIC ACID, DIMETHYL- (OR) CACODYLIC ACID

- . Waste code: U137
- . Waste name: INDENO[1,2,3-CD]PYRENE

- . Waste code: U138
- . Waste name: METHANE, IODO- (OR) METHYL IODIDE

- . Waste code: U140
- . Waste name: 1-PROPANOL, 2-METHYL- (I,T) (OR) ISOBUTYL ALCOHOL (I,T)

- . Waste code: U141
- . Waste name: 1,3-BENZODIOXOLE, 5-(1-PROPENYL)- (OR) ISOSAFROLE

- . Waste code: U142
- . Waste name: 1,3,4-METHENO-2H-CYCLOBUTA[CD]PENTALEN-2-ONE, 1,1A,3,3A,4,5,5,5A,5B,6-DECACHLOROOCCTAHYDRO- (OR) KEPONE

- . Waste code: U143
- . Waste name: 2-BUTENOIC ACID, 2-METHYL-, 7-[[2,3-DIHYDROXY-2-(1-METHOXYETHYL)-3-METHYL-1-OXOBUTOXY]METHYL]-2,3, 7A-TETRAHYDRO-1H-PYRROLIZIN-1-YL ESTER, [1S-[1ALPHA(Z), 7(2S*,3R*), 7AALPHA]]- (OR) LASIOCARPINE

- . Waste code: U144
- . Waste name: ACETIC ACID, LEAD(2+) SALT (OR) LEAD ACETATE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

- . Waste code: U145
- . Waste name: LEAD PHOSPHATE (OR) PHOSPHORIC ACID, LEAD(2+) SALT (2:3)
- . Waste code: U146
- . Waste name: LEAD SUBACETATE (OR) LEAD, BIS(ACETATO-O)TETRAHYDROXYTRI-
- . Waste code: U147
- . Waste name: 2,5-FURANDIONE (OR) MALEIC ANHYDRIDE
- . Waste code: U148
- . Waste name: 3,6-PYRIDAZINEDIONE, 1,2-DIHYDRO- (OR) MALEIC HYDRAZIDE
- . Waste code: U149
- . Waste name: MALONONITRILE (OR) PROPANEDINITRILE
- . Waste code: U150
- . Waste name: L-PHENYLALANINE, 4-[BIS(2-CHLOROETHYL)AMINO]- (OR) MELPHALAN
- . Waste code: U151
- . Waste name: MERCURY
- . Waste code: U152
- . Waste name: 2-PROPENENITRILE, 2-METHYL- (I,T) (OR) METHACRYLONITRILE (I,T)
- . Waste code: U153
- . Waste name: METHANETHIOL (I,T) (OR) THIOMETHANOL (I,T)
- . Waste code: U154
- . Waste name: METHANOL (I) (OR) METHYL ALCOHOL (I)
- . Waste code: U155
- . Waste name: 1,2-ETHANEDIAMINE, N,N-DIMETHYL-N'-2-PYRIDINYL-N'-(2-THIENYLMETHYL)- (OR) METHAPYRILENE
- . Waste code: U156
- . Waste name: CARBONCHLORIDIC ACID, METHYL ESTER, (I,T) (OR) METHYL CHLOROCARBONATE (I,T)
- . Waste code: U157
- . Waste name: 3-METHYLCHOLANTHRENE (OR) BENZ[J]ACEANTHRYLENE, 1,2-DIHYDRO-3-METHYL-
- . Waste code: U158
- . Waste name: 4,4'-METHYLENEBIS(2-CHLOROANILINE) (OR) BENZENAMINE, 4,4'-METHYLENEBIS[2-CHLORO-
- . Waste code: U159
- . Waste name: 2-BUTANONE (I,T) (OR) METHYL ETHYL KETONE (MEK) (I,T)
- . Waste code: U161
- . Waste name: 4-METHYL-2-PENTANONE (I) (OR) METHYL ISOBUTYL KETONE (I) (OR) PENTANOL, 4-METHYL-
- . Waste code: U162
- . Waste name: 2-PROPENOIC ACID, 2-METHYL-, METHYL ESTER (I,T) (OR) METHYL METHACRYLATE (I,T)
- . Waste code: U163

Map ID
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MAP FINDINGS

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Database(s)

EDR ID Number
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CROSBY & OVERTON (Continued)

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. Waste name:	GUANIDINE, N-METHYL-N'-NITRO-N-NITROSO- (OR) MNNG
. Waste code:	U164
. Waste name:	4(1H)-PYRIMIDINONE, 2,3-DIHYDRO-6-METHYL-2-THIOXO- (OR) METHYLTHIOURACIL
. Waste code:	U165
. Waste name:	NAPHTHALENE
. Waste code:	U166
. Waste name:	1,4-NAPHTHALENEDIONE (OR) 1,4-NAPHTHOQUINONE
. Waste code:	U167
. Waste name:	1-NAPHTHALENAMINE (OR) ALPHA-NAPHTHYLAMINE
. Waste code:	U168
. Waste name:	2-NAPHTHALENAMINE (OR) BETA-NAPHTHYLAMINE
. Waste code:	U169
. Waste name:	BENZENE, NITRO- (OR) NITROBENZENE (I,T)
. Waste code:	U170
. Waste name:	P-NITROPHENOL (I,T) (OR) PHENOL, 4-NITRO-
. Waste code:	U171
. Waste name:	2-NITROPROPANE (I,T) (OR) PROPANE, 2-NITRO- (I,T)
. Waste code:	U172
. Waste name:	1-BUTANAMINE, N-BUTYL-N-NITROSO- (OR) N-NITROSODI-N-BUTYLAMINE
. Waste code:	U173
. Waste name:	ETHANOL, 2,2'-(NITROSOIMINO)BIS- (OR) N-NITROSODIETHANOLAMINE
. Waste code:	U174
. Waste name:	ETHANAMINE, N-ETHYL-N-NITROSO- (OR) N-NITROSODIETHYLAMINE
. Waste code:	U176
. Waste name:	N-NITROSO-N-ETHYLUREA (OR) UREA, N-ETHYL-N-NITROSO-
. Waste code:	U177
. Waste name:	N-NITROSO-N-METHYLUREA (OR) UREA, N-METHYL-N-NITROSO-
. Waste code:	U178
. Waste name:	CARBAMIC ACID, METHYLNITROSO-, ETHYL ESTER (OR) N-NITROSO-N-METHYLURETHANE
. Waste code:	U179
. Waste name:	N-NITROSOPIPERIDINE (OR) PIPERIDINE, 1-NITROSO-
. Waste code:	U180
. Waste name:	N-NITROSOPYRROLIDINE (OR) PYRROLIDINE, 1-NITROSO-
. Waste code:	U181
. Waste name:	5-NITRO-O-TOLUIDINE (OR) BENZENAMINE, 2-METHYL-5-NITRO
. Waste code:	U182
. Waste name:	1,3,5-TRIOXANE, 2,4,6-TRIMETHYL- (OR) PARALDEHYDE

Map ID
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

- . Waste code: U183
- . Waste name: BENZENE, PENTACHLORO- (OR) PENTACHLOROBENZENE
- . Waste code: U184
- . Waste name: ETHANE, PENTACHLORO- (OR) PENTACHLOROETHANE
- . Waste code: U185
- . Waste name: BENZENE, PENTACHLORONITRO- (OR) PENTACHLORONITROBENZENE (PCNB)
- . Waste code: U186
- . Waste name: 1,3-PENTADIENE (I) (OR) 1-METHYLBUTADIENE (I)
- . Waste code: U187
- . Waste name: ACETAMIDE, N-(4-ETHOXYPHENYL)- (OR) PHENACETIN
- . Waste code: U188
- . Waste name: PHENOL
- . Waste code: U189
- . Waste name: PHOSPHORUS SULFIDE (R) (OR) SULFUR PHOSPHIDE (R)
- . Waste code: U190
- . Waste name: 1,3-ISOBENZOFURANDIONE (OR) PHTHALIC ANHYDRIDE
- . Waste code: U191
- . Waste name: 2-PICOLINE (OR) PYRIDINE, 2-METHYL-
- . Waste code: U192
- . Waste name: BENZAMIDE, 3,5-DICHLORO-N-(1,1-DIMETHYL-2-PROPYNYL)- (OR) PRONAMIDE
- . Waste code: U193
- . Waste name: 1,2-OXATHIOLANE, 2,2-DIOXIDE (OR) 1,3-PROPANE SULTONE
- . Waste code: U194
- . Waste name: 1-PROPANAMINE (I,T) (OR) N-PROPYLAMINE (I,T)
- . Waste code: U196
- . Waste name: PYRIDINE
- . Waste code: U197
- . Waste name: 2,5-CYCLOHEXADIENE-1,4-DIONE (OR) P-BENZOQUINONE
- . Waste code: U200
- . Waste name: RESERPINE (OR) YOHIMBAN-16-CARBOXYLIC ACID, 11,17-DIMETHOXY-18-[(3,4,5-TRIMETHOXYBENZOYL)OXY]-, METHYL ESTER, (3BETA, 16BETA, 17ALPHA, 18BETA, 20ALPHA)-
- . Waste code: U201
- . Waste name: 1,3-BENZENEDIOL (OR) RESORCINOL
- . Waste code: U202
- . Waste name: 1,2-BENZISOTHIAZOL-3(2H)-ONE, 1,1-DIOXIDE, & SALTS (OR) SACCHARIN, & SALTS
- . Waste code: U203
- . Waste name: 1,3-BENZODIOXOLE, 5-(2-PROPENYL)- (OR) SAFROLE

Map ID
Direction
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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

- . Waste code: U204
- . Waste name: SELENIUS ACID (OR) SELENIUM DIOXIDE

- . Waste code: U205
- . Waste name: SELENIUM SULFIDE (OR) SELENIUM SULFIDE SES2 (R,T)

- . Waste code: U206
- . Waste name: D-GLUCOSE, 2-DEOXY-2-[[(METHYLNITROSOAMINO)-CARBONYL]AMINO]- (OR) GLUCOPYRANOSE, 2-DEOXY-2-(3-METHYL-3-NITROSOUREIDO)-,D- (OR) STREPTOZOTOCIN

- . Waste code: U207
- . Waste name: 1,2,4,5-TETRACHLOROBENZENE (OR) BENZENE, 1,2,4,5-TETRACHLORO-

- . Waste code: U208
- . Waste name: 1,1,1,2-TETRACHLOROETHANE (OR) ETHANE, 1,1,1,2-TETRACHLORO-

- . Waste code: U209
- . Waste name: 1,1,2,2-TETRACHLOROETHANE (OR) ETHANE, 1,1,2,2-TETRACHLORO-

- . Waste code: U210
- . Waste name: ETHENE, TETRACHLORO- (OR) TETRACHLOROETHYLENE

- . Waste code: U211
- . Waste name: CARBON TETRACHLORIDE (OR) METHANE, TETRACHLORO-

- . Waste code: U213
- . Waste name: FURAN, TETRAHYDRO-(I) (OR) TETRAHYDROFURAN (I)

- . Waste code: U214
- . Waste name: ACETIC ACID, THALLIUM(1+) SALT (OR) THALLIUM(I) ACETATE

- . Waste code: U215
- . Waste name: CARBONIC ACID, DITHALLIUM(1+) SALT (OR) THALLIUM(I) CARBONATE

- . Waste code: U216
- . Waste name: THALLIUM CHLORIDE TLCL (OR) THALLIUM(I) CHLORIDE

- . Waste code: U217
- . Waste name: NITRIC ACID, THALLIUM(1+) SALT (OR) THALLIUM(I) NITRATE

- . Waste code: U218
- . Waste name: ETHANETHIOAMIDE (OR) THIOACETAMIDE

- . Waste code: U219
- . Waste name: THIOUREA

- . Waste code: U220
- . Waste name: BENZENE, METHYL- (OR) TOLUENE

- . Waste code: U221
- . Waste name: BENZENEDIAMINE, AR-METHYL- (OR) TOLUENEDIAMINE

- . Waste code: U222
- . Waste name: BENZENAMINE, 2-METHYL-, HYDROCHLORIDE (OR) O-TOLUIDINE HYDROCHLORIDE

- . Waste code: U223

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

- . Waste name: BENZENE, 1,3-DIISOCYANATOMETHYL- (R,T) (OR) TOLUENE DIISOCYANATE (R,T)
- . Waste code: U225
- . Waste name: BROMOFORM (OR) METHANE, TRIBROMO-
- . Waste code: U226
- . Waste name: ETHANE, 1,1,1-TRICHLORO- (OR) METHYL CHLOROFORM
- . Waste code: U227
- . Waste name: 1,1,2-TRICHLOROETHANE (OR) ETHANE, 1,1,2-TRICHLORO-
- . Waste code: U228
- . Waste name: ETHENE, TRICHLORO- (OR) TRICHLOROETHYLENE
- . Waste code: U235
- . Waste name: 1-PROPANOL, 2,3-DIBROMO-, PHOSPHATE (3:1) (OR) TRIS(2,3,-DIBROMOPROPYL) PHOSPHATE
- . Waste code: U236
- . Waste name: 2,7-NAPHTHALENEDISULFONIC ACID,3,3'-[(3,3'-DIMETHYL[1,1'-BIPHENYL]-4,4'-DIYL)BIS(AZO)BIS[5-AMINO 4-HYDROXY]-, TETRASODIUM SALT (OR) TRYPAN BLUE
- . Waste code: U237
- . Waste name: 2,4-(1H,3H)-PYRIMIDINEDIONE, 5-[BIS(2-CHLOROETHYL)AMINO]- (OR) URACIL MUSTARD
- . Waste code: U238
- . Waste name: CARBAMIC ACID, ETHYL ESTER (OR) ETHYL CARBAMATE (URETHANE)
- . Waste code: U239
- . Waste name: BENZENE, DIMETHYL- (I,T) (OR) XYLENE (I)
- . Waste code: U240
- . Waste name: 2,4-D, SALTS & ESTERS (OR) ACETIC ACID, (2,4-DICHLOROPHENOXY)-, SALTS & ESTERS (OR) DICHLOROPHENOXYACETIC ACID 2,4-D
- . Waste code: U243
- . Waste name: 1-PROPENE, 1,1,2,3,3,3-HEXACHLORO- (OR) HEXACHLOROPROPENE
- . Waste code: U244
- . Waste name: THIOPEROXYDICARBONIC DIAMIDE [(H2N)C(S)]2S2, TETRAMETHYL- (OR) THIRAM
- . Waste code: U246
- . Waste name: CYANOGEN BROMIDE (CN)BR
- . Waste code: U247
- . Waste name: BENZENE, 1,1'-(2,2,2-TRICHLOROETHYLIDENE)BIS[4-METHOXY- (OR) METHOXYCHLOR
- . Waste code: U248
- . Waste name: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYL-BUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS OF 0.3% OR LESS (OR) WARFARIN, & SALTS, WHEN PRESENT AT CONCENTRATIONS OF 0.3% OR LESS
- . Waste code: U249
- . Waste name: ZINC PHOSPHIDE ZN3P2, WHEN PRESENT AT CONCENTRATIONS OF 10% OR LESS

Map ID
Direction
Distance
Elevation

MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

- . Waste code: U271
- . Waste name: BENOMYL (OR) CARBAMIC ACID, [1-[(BUTYLAMINO)CARBONYL]-1H-BENZIMIDAZOL-2-YL]-, METHYL ESTER
- . Waste code: U278
- . Waste name: BENDIOCARB (OR) 1,3-BENZODIOXOL-4-OL, 2,2-DIMETHYL-, METHYL CARBAMATE
- . Waste code: U279
- . Waste name: CARBARYL (OR) 1-NAPHTHALENOL, METHYLCARBAMATE
- . Waste code: U280
- . Waste name: BARBAN (OR) CARBAMIC ACID, (3-CHLOROPHENYL)-, 4-CHLORO-2-BUTYNYL ESTER
- . Waste code: U328
- . Waste name: BENZENAMINE, 2-METHYL- (OR) O-TOLUIDINE
- . Waste code: U353
- . Waste name: BENZENAMINE, 4-METHYL- (OR) P-TOLUIDINE
- . Waste code: U359
- . Waste name: ETHANOL, 2-ETHOXY- (OR) ETHYLENE GLYCOL MONOETHYL ETHER
- . Waste code: U364
- . Waste name: BENDIOCARB PHENOL (OR) 1,3-BENZODIOXOL-4-OL, 2,2-DIMETHYL-
- . Waste code: U367
- . Waste name: 7-BENZOFURANOL, 2,3-DIHYDRO-2,2-DIMETHYL- (OR) CARBOFURAN PHENOL
- . Waste code: U372
- . Waste name: CARBAMIC ACID, 1H-BENZIMIDAZOL-2-YL, METHYL ESTER (OR) CARBENDAZIM
- . Waste code: U373
- . Waste name: CARBAMIC ACID, PHENYL-, 1-METHYLETHYL ESTER (OR) PROPHAM
- . Waste code: U387
- . Waste name: CARBAMOTHIOIC ACID, DIPROPYL-, S-(PHENYLMETHYL) ESTER (OR) PROSULFOCARB
- . Waste code: U389
- . Waste name: CARBAMOTHIOIC ACID, BIS(1-METHYLETHYL)-, S-(2,3,3-TRICHLORO-2-PROPENYL) ESTER (OR) TRIALLATE
- . Waste code: U394
- . Waste name: A2213 (OR) ETHANIMIDOTHIOIC ACID, 2-(DIMETHYLAMINO)-N-HYDROXY-2-OXO-, METHYL ESTER
- . Waste code: U395
- . Waste name: DIETHYLENE GLYCOL, DICARBAMATE (OR) ETHANOL, 2,2'-OXYBIS-, DICARBAMATE
- . Waste code: U409
- . Waste name: CARBAMIC ACID, [1,2-PHENYLENEBIS (IMINOCARBONOTHIOYL)]BIS-, DIMETHYL ESTER (OR) THIOPHANATE-METHYL
- . Waste code: U410
- . Waste name: ETHANIMIDOTHIOIC ACID, N,N'-[THIOBIS[(METHYLIMINO)CARBONYLOXY]]BIS-, DIMETHYL ESTER (OR) THIODICARB

Map ID
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MAP FINDINGS

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Database(s)

EDR ID Number
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CROSBY & OVERTON (Continued)

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- . Waste code: U411
- . Waste name: PHENOL, 2-(1-METHYLETHOXY)-, METHYLCARBAMATE (OR) PROPOXUR

Historical Generators:

Date form received by agency: 09/28/2010
Site name: CROSBY & OVERTON
Classification: Large Quantity Generator

- . Waste code: 121
- . Waste name: 121

- . Waste code: 122
- . Waste name: 122

- . Waste code: 123
- . Waste name: 123

- . Waste code: 131
- . Waste name: 131

- . Waste code: 132
- . Waste name: 132

- . Waste code: 133
- . Waste name: 133

- . Waste code: 134
- . Waste name: 134

- . Waste code: 135
- . Waste name: 135

- . Waste code: 141
- . Waste name: 141

- . Waste code: 151
- . Waste name: 151

- . Waste code: 161
- . Waste name: 161

- . Waste code: 171
- . Waste name: 171

- . Waste code: 172
- . Waste name: 172

- . Waste code: 181
- . Waste name: 181

- . Waste code: 211
- . Waste name: 211

- . Waste code: 212
- . Waste name: 212

- . Waste code: 213

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MAP FINDINGS

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Database(s)

EDR ID Number
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CROSBY & OVERTON (Continued)

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. Waste name:	213
. Waste code:	214
. Waste name:	214
. Waste code:	221
. Waste name:	221
. Waste code:	222
. Waste name:	222
. Waste code:	223
. Waste name:	223
. Waste code:	231
. Waste name:	231
. Waste code:	232
. Waste name:	232
. Waste code:	241
. Waste name:	241
. Waste code:	251
. Waste name:	251
. Waste code:	252
. Waste name:	252
. Waste code:	261
. Waste name:	261
. Waste code:	271
. Waste name:	271
. Waste code:	272
. Waste name:	272
. Waste code:	281
. Waste name:	281
. Waste code:	291
. Waste name:	291
. Waste code:	311
. Waste name:	311
. Waste code:	331
. Waste name:	331
. Waste code:	341
. Waste name:	341
. Waste code:	342
. Waste name:	342
. Waste code:	343

Map ID
Direction
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

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. Waste name: 343

. Waste code: 351
. Waste name: 351

. Waste code: 352
. Waste name: 352

. Waste code: 411
. Waste name: 411

. Waste code: 421
. Waste name: 421

. Waste code: 431
. Waste name: 431

. Waste code: 441
. Waste name: 441

. Waste code: 451
. Waste name: 451

. Waste code: 461
. Waste name: 461

. Waste code: 491
. Waste name: 491

. Waste code: 511
. Waste name: 511

. Waste code: 512
. Waste name: 512

. Waste code: 513
. Waste name: 513

. Waste code: 521
. Waste name: 521

. Waste code: 541
. Waste name: 541

. Waste code: 551
. Waste name: 551

. Waste code: 561
. Waste name: 561

. Waste code: 571
. Waste name: 571

. Waste code: 591
. Waste name: 591

. Waste code: 611

Map ID
Direction
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

. Waste name:	611
. Waste code:	612
. Waste name:	612
. Waste code:	724
. Waste name:	724
. Waste code:	725
. Waste name:	725
. Waste code:	741
. Waste name:	741
. Waste code:	751
. Waste name:	751
. Waste code:	791
. Waste name:	791
. Waste code:	792
. Waste name:	792
. Waste code:	D001
. Waste name:	IGNITABLE WASTE
. Waste code:	D002
. Waste name:	CORROSIVE WASTE
. Waste code:	D003
. Waste name:	REACTIVE WASTE
. Waste code:	D004
. Waste name:	ARSENIC
. Waste code:	D005
. Waste name:	BARIUM
. Waste code:	D006
. Waste name:	CADMIUM
. Waste code:	D007
. Waste name:	CHROMIUM
. Waste code:	D008
. Waste name:	LEAD
. Waste code:	D009
. Waste name:	MERCURY
. Waste code:	D010
. Waste name:	SELENIUM
. Waste code:	D011
. Waste name:	SILVER
. Waste code:	D012

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

- . Waste name: ENDRIN
(1,2,3,4,10,10-HEXACHLORO-1,7-EPOXY-1,4,4A,5,6,7,8,8A-OCTAHYDRO-1,4-EN
O, ENDO-5,8-DIMETH-ANO-NAPHTHALENE)
- . Waste code: D013
- . Waste name: LINDANE (1,2,3,4,5,6-HEXA-CHLOROCYCLOHEXANE, GAMMA ISOMER)
- . Waste code: D014
- . Waste name: METHOXYCHLOR (1,1,1-TRICHLORO-2,2-BIS [P-METHOXYPHENYL] ETHANE)
- . Waste code: D015
- . Waste name: TOXAPHENE (C10 H10 CL8, TECHNICAL CHLORINATED CAMPHENE, 67-69 PERCENT
CHLORINE)
- . Waste code: D018
- . Waste name: BENZENE
- . Waste code: D019
- . Waste name: CARBON TETRACHLORIDE
- . Waste code: D020
- . Waste name: CHLORDANE
- . Waste code: D021
- . Waste name: CHLOROBENZENE
- . Waste code: D022
- . Waste name: CHLOROFORM
- . Waste code: D023
- . Waste name: O-CRESOL
- . Waste code: D024
- . Waste name: M-CRESOL
- . Waste code: D025
- . Waste name: P-CRESOL
- . Waste code: D026
- . Waste name: CRESOL
- . Waste code: D027
- . Waste name: 1,4-DICHLOROBENZENE
- . Waste code: D028
- . Waste name: 1,2-DICHLOROETHANE
- . Waste code: D029
- . Waste name: 1,1-DICHLOROETHYLENE
- . Waste code: D030
- . Waste name: 2,4-DINITROTOLUENE
- . Waste code: D031
- . Waste name: HEPTACHLOR (AND ITS EPOXIDE)
- . Waste code: D032

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- . Waste name: HEXACHLOROBENZENE
- . Waste code: D033
- . Waste name: HEXACHLOROBUTADIENE
- . Waste code: D034
- . Waste name: HEXACHLOROETHANE
- . Waste code: D035
- . Waste name: METHYL ETHYL KETONE
- . Waste code: D036
- . Waste name: NITROBENZENE
- . Waste code: D038
- . Waste name: PYRIDINE
- . Waste code: D039
- . Waste name: TETRACHLOROETHYLENE
- . Waste code: D040
- . Waste name: TRICHLOROETHYLENE
- . Waste code: D041
- . Waste name: 2,4,5-TRICHLOROPHENOL
- . Waste code: D042
- . Waste name: 2,4,6-TRICHLOROPHENOL
- . Waste code: D043
- . Waste name: VINYL CHLORIDE
- . Waste code: F001
- . Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
- . Waste code: F002
- . Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
- . Waste code: F003
- . Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT

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MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F004

. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: CRESOLS, CRESYLIC ACID, AND NITROBENZENE; AND THE STILL BOTTOMS FROM THE RECOVERY OF THESE SOLVENTS; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005

. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F006

. Waste name: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS, EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC, AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

. Waste code: F007

. Waste name: SPENT CYANIDE PLATING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS.

. Waste code: F008

. Waste name: PLATING BATH RESIDUES FROM THE BOTTOM OF PLATING BATHS FROM ELECTROPLATING OPERATIONS IN WHICH CYANIDES ARE USED IN THE PROCESS.

. Waste code: F009

. Waste name: SPENT STRIPPING AND CLEANING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS IN WHICH CYANIDES ARE USED IN THE PROCESS.

. Waste code: F012

. Waste name: QUENCHING WASTEWATER TREATMENT SLUDGES FROM METAL HEAT TREATING OPERATIONS IN WHICH CYANIDES ARE USED IN THE PROCESS.

. Waste code: F027

. Waste name: DISCARDED UNUSED FORMULATIONS CONTAINING TRI-, TETRA-, OR PENTACHLOROPHENOL OR DISCARDED UNUSED FORMULATIONS CONTAINING COMPOUNDS DERIVED FROM THESE CHLOROPHENOLS. (THIS LISTING DOES NOT INCLUDE FORMULATIONS CONTAINING HEXACHLOROPHENE SYNTHESIZED FROM PREPURIFIED 2,4,5-TRICHLOROPHENOL AS THE SOLE COMPONENT.)

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- . Waste code: F037
- . Waste name: PETROLEUM REFINERY PRIMARY OIL/WATER/SOLIDS SEPARATION SLUDGE - ANY SLUDGE GENERATED FROM THE GRAVITATIONAL SEPARATION OF OIL/WATER/SOLIDS DURING THE STORAGE OR TREATMENT OF PROCESS WASTEWATERS AND OILY COOLING WASTEWATERS FROM PETROLEUM REFINERIES. SUCH SLUDGES INCLUDE, BUT ARE NOT LIMITED TO, THOSE GENERATED IN OIL/WATER/SOLIDS SEPARATORS; TANKS AND IMPOUNDMENTS; DITCHES AND OTHER CONVEYANCES; SUMPS; AND STORM WATER UNITS RECEIVING DRY WEATHER FLOW. SLUDGES GENERATED IN STORM WATER UNITS THAT DO NOT RECEIVE DRY WEATHER FLOW, SLUDGES GENERATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS AS DEFINED IN SECTION 261.31(B)(2) (INCLUDING SLUDGES GENERATED IN ONE OR MORE ADDITIONAL UNITS AFTER WASTEWATERS HAVE BEEN TREATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS), AND K051 WASTES ARE EXEMPTED FROM THIS LISTING.

- . Waste code: F038
- . Waste name: PETROLEUM REFINERY SECONDARY (EMULSIFIED) OIL/WATER/SOLIDS SEPARATION SLUDGE - ANY SLUDGE AND/OR FLOAT GENERATED FROM THE PHYSICAL AND/OR CHEMICAL SEPARATION OF OIL/WATER/SOLIDS IN PROCESS WASTEWATERS AND OILY COOLING WASTEWATERS FROM PETROLEUM REFINERIES. SUCH WASTES INCLUDE, BUT ARE NOT LIMITED TO, ALL SLUDGES AND FLOATS GENERATED IN INDUCED AIR FLOTATION (IAF) UNITS, TANKS AND IMPOUNDMENTS, AND ALL SLUDGES GENERATED IN DAF UNITS. SLUDGES GENERATED IN STORMWATER UNITS THAT DO NOT RECEIVE DRY WEATHER FLOW, SLUDGES GENERATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS AS DEFINED IN SECTION 261.31(B)(2) (INCLUDING SLUDGES GENERATED IN ONE OR MORE ADDITIONAL UNITS AFTER WASTEWATERS HAVE BEEN TREATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS), AND F037, K048, AND K051 WASTES ARE EXEMPTED FROM THIS LISTING.

- . Waste code: K048
- . Waste name: DISSOLVED AIR FLOTATION (DAF) FLOAT FROM THE PETROLEUM REFINING INDUSTRY.

- . Waste code: K049
- . Waste name: SLOP OIL EMULSION SOLIDS FROM THE PETROLEUM REFINING INDUSTRY.

- . Waste code: K050
- . Waste name: HEAT EXCHANGER BUNDLE CLEANING SLUDGE FROM THE PETROLEUM REFINING INDUSTRY.

- . Waste code: K051
- . Waste name: API SEPARATOR SLUDGE FROM THE PETROLEUM REFINING INDUSTRY.

- . Waste code: P001
- . Waste name: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3% (OR) WARFARIN, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%

- . Waste code: P002
- . Waste name: 1-ACETYL-2-THIOUREA (OR) ACETAMIDE, N-(AMINOTHIOXOMETHYL)-

- . Waste code: P004
- . Waste name: 1,4,5,8-DIMETHANONAPHTHALENE, 1,2,3,4,10,10-HEXA-CHLORO-1,4,4A,5,8,8A,-HEXAHYDRO-, (1ALPHA, 4ALPHA, 4ABETA, 5ALPHA, 8ALPHA, 8ABETA)- (OR) ALDRIN

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- . Waste code: P010
- . Waste name: ARSENIC ACID H3ASO4

- . Waste code: P011
- . Waste name: ARSENIC OXIDE AS2O5 (OR) ARSENIC PENTOXIDE

- . Waste code: P012
- . Waste name: ARSENIC OXIDE AS2O3 (OR) ARSENIC TRIOXIDE

- . Waste code: P014
- . Waste name: BENZENETHIOL (OR) THIOPHENOL

- . Waste code: P020
- . Waste name: DINOSEB (OR) PHENOL, 2-(1-METHYLPROPYL)-4,6-DINITRO-

- . Waste code: P021
- . Waste name: CALCIUM CYANIDE (OR) CALCIUM CYANIDE CA(CN)2

- . Waste code: P024
- . Waste name: BENZENAMINE, 4-CHLORO- (OR) P-CHLORANILINE

- . Waste code: P028
- . Waste name: BENZENE, (CHLOROMETHYL)- (OR) BENZYL CHLORIDE

- . Waste code: P029
- . Waste name: COPPER CYANIDE (OR) COPPER CYANIDE CU(CN)

- . Waste code: P030
- . Waste name: CYANIDES (SOLUBLE CYANIDE SALTS), NOT OTHERWISE SPECIFIED

- . Waste code: P034
- . Waste name: 2-CYCLOHEXYL-4,6-DINITROPHENOL (OR) PHENOL, 2-CYCLOHEXYL-4,6-DINITRO-

- . Waste code: P037
- . Waste name: 2,7:3,6-DIMETHANONAPHTH[2,3-B]OXIRENE,
3,4,5,6,9,9-HEXACHLORO-1A,2,2A,3,6,6A,7,7A-OCTAHYDRO-, (1AALPHA,
2BETA, 2AALPHA, 3BETA, 6BETA, 6AALPHA, 7BETA, 7AALPHA)- (OR) DIELDRIN

- . Waste code: P040
- . Waste name: O,O-DIETHYL O-PYRAZINYL PHOSPHOROTHIOATE (OR) PHOSPHOROTHIOIC ACID,
O,O-DIETHYL O-PYRAZINYL ESTER

- . Waste code: P041
- . Waste name: DIETHYL-P-NITROPHENYL PHOSPHATE (OR) PHOSPHORIC ACID, DIETHYL
4-NITROPHENYL ESTER

- . Waste code: P044
- . Waste name: DIMETHOATE (OR) PHOSPHORODITHIOIC ACID, O,O-DIMETHYL
S-[2-(METHYLAMINO)-2-OXOETHYL] ESTER

- . Waste code: P045
- . Waste name: 2-BUTANONE, 3,3-DIMETHYL-1-(METHYLTHIO)-, O-[METHYLAMINO)CARBONYL]
OXIME (OR) THIOFANOX

- . Waste code: P046
- . Waste name: ALPHA,ALPHA-DIMETHYLPHENETHYLAMINE (OR) BENZENEETHANAMINE, ALPHA,
ALPHA-DIMETHYL-

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- . Waste code: P050
- . Waste name: 6,9-METHANO-2,4,3-BENZODIOXATHIEPIN,6,7,8,9,10,10-HEXACHLORO-1,5,5A,6,
,9A-HEXAHYDRO-,3-OXIDE (OR) ENDOSULFAN

- . Waste code: P051
- . Waste name: 2,7:3,6-DIMETHANONAPHTH[2,3-B]OXIRENE,
3,4,5,6,9,9-HEXACHLORO-1A,2,2A,3,6,6A,7,7A-OCTAHYDRO-, (1AALPHA,
2BETA, 2ABETA, 3ALPHA, 6ALPHA, 6ABETA, 7BETA, 7AALPHA)- & METABOLITES
(OR) ENDRIN (OR) ENDRIN, & METABOLITES

- . Waste code: P054
- . Waste name: AZIRIDINE (OR) ETHYLENEIMINE

- . Waste code: P059
- . Waste name: 4,7-METHANO-1H-INDENE, 1,4,5,6,7,8,8-HEPTACHLORO-3A,4,7,7A-TETRAHYDRO-
(OR) HEPTACHLOR

- . Waste code: P060
- . Waste name: 1,4,5,8-DIMETHANONAPHTHALENE,
1,2,3,4,10,10-HEXA-CHLORO-1,4,4A,5,8,8A,-HEXAHYDRO-, (1ALPHA, 4ALPHA,
4ABETA, 5BETA, 8BETA, 8ABETA)- (OR) ISODRIN

- . Waste code: P070
- . Waste name: ALDICARB (OR) PROPANAL, 2-METHYL-2-(METHYLTHIO)-,
O-[(METHYLAMINO)CARBONYL]OXIME

- . Waste code: P071
- . Waste name: METHYL PARATHION (OR) PHOSPHOROTHIOIC ACID, O,O,-DIMETHYL
O-(4-NITROPHENYL) ESTER

- . Waste code: P108
- . Waste name: STRYCHNIDIN-10-ONE, & SALTS (OR) STRYCHNINE, & SALTS

- . Waste code: P110
- . Waste name: PLUMBANE, TETRAETHYL- (OR) TETRAETHYL LEAD

- . Waste code: P121
- . Waste name: ZINC CYANIDE (OR) ZINC CYANIDE ZN(CN)2

- . Waste code: P123
- . Waste name: TOXAPHENE

- . Waste code: U001
- . Waste name: ACETALDEHYDE (I) (OR) ETHANAL (I)

- . Waste code: U002
- . Waste name: 2-PROPANONE (I) (OR) ACETONE (I)

- . Waste code: U031
- . Waste name: 1-BUTANOL (I) (OR) N-BUTYL ALCOHOL (I)

- . Waste code: U032
- . Waste name: CALCIUM CHROMATE (OR) CHROMIC ACID H2CRO4, CALCIUM SALT

- . Waste code: U044
- . Waste name: CHLOROFORM (OR) METHANE, TRICHLORO-

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. Waste code:	U056
. Waste name:	BENZENE, HEXAHYDRO- (I) (OR) CYCLOHEXANE (I)
. Waste code:	U057
. Waste name:	CYCLOHEXANONE (I)
. Waste code:	U070
. Waste name:	BENZENE, 1,2-DICHLORO- (OR) O-DICHLOROBENZENE
. Waste code:	U071
. Waste name:	BENZENE, 1,3-DICHLORO- (OR) M-DICHLOROBENZENE
. Waste code:	U072
. Waste name:	BENZENE, 1,4-DICHLORO- (OR) P-DICHLOROBENZENE
. Waste code:	U078
. Waste name:	1,1-DICHLOROETHYLENE (OR) ETHENE, 1,1-DICHLORO-
. Waste code:	U079
. Waste name:	1,2-DICHLOROETHYLENE (OR) ETHENE, 1,2-DICHLORO-, (E)-
. Waste code:	U080
. Waste name:	METHANE, DICHLORO- (OR) METHYLENE CHLORIDE
. Waste code:	U081
. Waste name:	2,4-DICHLOROPHENOL (OR) PHENOL, 2,4-DICHLORO-
. Waste code:	U082
. Waste name:	2,6-DICHLOROPHENOL (OR) PHENOL, 2,6-DICHLORO-
. Waste code:	U092
. Waste name:	DIMETHYLAMINE (I) (OR) METHANAMINE, N-METHYL- (I)
. Waste code:	U101
. Waste name:	2,4-DIMETHYLPHENOL (OR) PHENOL, 2,4-DIMETHYL-
. Waste code:	U108
. Waste name:	1,4-DIETHYLENEOXIDE (OR) 1,4-DIOXANE
. Waste code:	U112
. Waste name:	ACETIC ACID, ETHYL ESTER (I) (OR) ETHYL ACETATE (I)
. Waste code:	U121
. Waste name:	METHANE, TRICHLOROFLUORO- (OR) TRICHLOROMONOFUOROMETHANE
. Waste code:	U122
. Waste name:	FORMALDEHYDE
. Waste code:	U123
. Waste name:	FORMIC ACID (C,T)
. Waste code:	U125
. Waste name:	2-FURANCARBOXALDEHYDE (I) (OR) FURFURAL (I)
. Waste code:	U129
. Waste name:	CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, (1ALPHA, 2ALPHA, 3BETA, 4ALPHA, 5ALPHA, 6BETA)- (OR) LINDANE

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- . Waste code: U131
- . Waste name: ETHANE, HEXACHLORO- (OR) HEXACHLOROETHANE

- . Waste code: U140
- . Waste name: 1-PROPANOL, 2-METHYL- (I,T) (OR) ISOBUTYL ALCOHOL (I,T)

- . Waste code: U151
- . Waste name: MERCURY

- . Waste code: U154
- . Waste name: METHANOL (I) (OR) METHYL ALCOHOL (I)

- . Waste code: U159
- . Waste name: 2-BUTANONE (I,T) (OR) METHYL ETHYL KETONE (MEK) (I,T)

- . Waste code: U161
- . Waste name: 4-METHYL-2-PENTANONE (I) (OR) METHYL ISOBUTYL KETONE (I) (OR) PENTANOL, 4-METHYL-

- . Waste code: U165
- . Waste name: NAPHTHALENE

- . Waste code: U166
- . Waste name: 1,4-NAPHTHALENEDIONE (OR) 1,4-NAPHTHOQUINONE

- . Waste code: U182
- . Waste name: 1,3,5-TRIOXANE, 2,4,6-TRIMETHYL- (OR) PARALDEHYDE

- . Waste code: U188
- . Waste name: PHENOL

- . Waste code: U196
- . Waste name: PYRIDINE

- . Waste code: U210
- . Waste name: ETHENE, TETRACHLORO- (OR) TETRACHLOROETHYLENE

- . Waste code: U211
- . Waste name: CARBON TETRACHLORIDE (OR) METHANE, TETRACHLORO-

- . Waste code: U220
- . Waste name: BENZENE, METHYL- (OR) TOLUENE

- . Waste code: U221
- . Waste name: BENZENEDIAMINE, AR-METHYL- (OR) TOLUENEDIAMINE

- . Waste code: U223
- . Waste name: BENZENE, 1,3-DIISOCYANATOMETHYL- (R,T) (OR) TOLUENE DIISOCYANATE (R,T)

- . Waste code: U225
- . Waste name: BROMOFORM (OR) METHANE, TRIBROMO-

- . Waste code: U226
- . Waste name: ETHANE, 1,1,1-TRICHLORO- (OR) METHYL CHLOROFORM

- . Waste code: U227
- . Waste name: 1,1,2-TRICHLOROETHANE (OR) ETHANE, 1,1,2-TRICHLORO-

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- . Waste code: U228
- . Waste name: ETHENE, TRICHLORO- (OR) TRICHLOROETHYLENE
- . Waste code: U239
- . Waste name: BENZENE, DIMETHYL- (I,T) (OR) XYLENE (I)
- . Waste code: U247
- . Waste name: BENZENE, 1,1'-(2,2,2-TRICHLOROETHYLIDENE)BIS[4-METHOXY- (OR) METHOXYCHLOR
- . Waste code: U359
- . Waste name: ETHANOL, 2-ETHOXY- (OR) ETHYLENE GLYCOL MONOETHYL ETHER

Date form received by agency: 04/01/2007

Site name: CROSBY AND OVERTON PLANT # 1

Classification: Large Quantity Generator

- . Waste code: D001
- . Waste name: IGNITABLE WASTE
- . Waste code: D002
- . Waste name: CORROSIVE WASTE
- . Waste code: D003
- . Waste name: REACTIVE WASTE
- . Waste code: D004
- . Waste name: ARSENIC
- . Waste code: D005
- . Waste name: BARIUM
- . Waste code: D006
- . Waste name: CADMIUM
- . Waste code: D007
- . Waste name: CHROMIUM
- . Waste code: D008
- . Waste name: LEAD
- . Waste code: D009
- . Waste name: MERCURY
- . Waste code: D010
- . Waste name: SELENIUM
- . Waste code: D011
- . Waste name: SILVER
- . Waste code: D012
- . Waste name: ENDRIN
(1,2,3,4,10,10-HEXACHLORO-1,7-EPOXY-1,4,4A,5,6,7,8,8A-OCTAHYDRO-1,4-EN
O, ENDO-5,8-DIMETH-ANO-NAPHTHALENE)
- . Waste code: D013
- . Waste name: LINDANE (1,2,3,4,5,6-HEXA-CHLOROCYCLOHEXANE, GAMMA ISOMER)

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. Waste code:	D014
. Waste name:	METHOXYCHLOR (1,1,1-TRICHLORO-2,2-BIS [P-METHOXYPHENYL] ETHANE)
. Waste code:	D018
. Waste name:	BENZENE
. Waste code:	D019
. Waste name:	CARBON TETRACHLORIDE
. Waste code:	D020
. Waste name:	CHLORDANE
. Waste code:	D021
. Waste name:	CHLOROBENZENE
. Waste code:	D022
. Waste name:	CHLOROFORM
. Waste code:	D023
. Waste name:	O-CRESOL
. Waste code:	D024
. Waste name:	M-CRESOL
. Waste code:	D025
. Waste name:	P-CRESOL
. Waste code:	D026
. Waste name:	CRESOL
. Waste code:	D027
. Waste name:	1,4-DICHLOROBENZENE
. Waste code:	D028
. Waste name:	1,2-DICHLOROETHANE
. Waste code:	D029
. Waste name:	1,1-DICHLOROETHYLENE
. Waste code:	D030
. Waste name:	2,4-DINITROTOLUENE
. Waste code:	D035
. Waste name:	METHYL ETHYL KETONE
. Waste code:	D036
. Waste name:	NITROBENZENE
. Waste code:	D037
. Waste name:	PENTACHLOROPHENOL
. Waste code:	D038
. Waste name:	PYRIDINE
. Waste code:	D039
. Waste name:	TETRACHLOROETHYLENE

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- . Waste code: D040
- . Waste name: TRICHLORETHYLENE

- . Waste code: D041
- . Waste name: 2,4,5-TRICHLOROPHENOL

- . Waste code: D043
- . Waste name: VINYL CHLORIDE

- . Waste code: F001
- . Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

- . Waste code: F002
- . Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

- . Waste code: F003
- . Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

- . Waste code: F005
- . Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

- . Waste code: F008
- . Waste name: PLATING BATH RESIDUES FROM THE BOTTOM OF PLATING BATHS FROM ELECTROPLATING OPERATIONS IN WHICH CYANIDES ARE USED IN THE PROCESS.

- . Waste code: F011
- . Waste name: SPENT CYANIDE SOLUTIONS FROM SLAT BATH POT CLEANING FROM METAL HEAT

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TREATING OPERATIONS.

- . Waste code: P030
- . Waste name: CYANIDES (SOLUBLE CYANIDE SALTS), NOT OTHERWISE SPECIFIED

- . Waste code: P098
- . Waste name: POTASSIUM CYANIDE (OR) POTASSIUM CYANIDE K(CN)

- . Waste code: P106
- . Waste name: SODIUM CYANIDE (OR) SODIUM CYANIDE NA(CN)

- . Waste code: P121
- . Waste name: ZINC CYANIDE (OR) ZINC CYANIDE ZN(CN)₂

- . Waste code: P122
- . Waste name: ZINC PHOSPHIDE ZN₃P₂, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 10% (R,T)

- . Waste code: U044
- . Waste name: CHLOROFORM (OR) METHANE, TRICHLORO-

- . Waste code: U070
- . Waste name: BENZENE, 1,2-DICHLORO- (OR) O-DICHLOROBENZENE

- . Waste code: U072
- . Waste name: BENZENE, 1,4-DICHLORO- (OR) P-DICHLOROBENZENE

- . Waste code: U079
- . Waste name: 1,2-DICHLOROETHYLENE (OR) ETHENE, 1,2-DICHLORO-, (E)-

- . Waste code: U080
- . Waste name: METHANE, DICHLORO- (OR) METHYLENE CHLORIDE

- . Waste code: U112
- . Waste name: ACETIC ACID, ETHYL ESTER (I) (OR) ETHYL ACETATE (I)

- . Waste code: U122
- . Waste name: FORMALDEHYDE

- . Waste code: U123
- . Waste name: FORMIC ACID (C,T)

- . Waste code: U151
- . Waste name: MERCURY

- . Waste code: U159
- . Waste name: 2-BUTANONE (I,T) (OR) METHYL ETHYL KETONE (MEK) (I,T)

- . Waste code: U165
- . Waste name: NAPHTHALENE

- . Waste code: U188
- . Waste name: PHENOL

- . Waste code: U210
- . Waste name: ETHENE, TETRACHLORO- (OR) TETRACHLOROETHYLENE

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- . Waste code: U211
- . Waste name: CARBON TETRACHLORIDE (OR) METHANE, TETRACHLORO-
- . Waste code: U218
- . Waste name: ETHANETHIOAMIDE (OR) THIOACETAMIDE
- . Waste code: U220
- . Waste name: BENZENE, METHYL- (OR) TOLUENE
- . Waste code: U225
- . Waste name: BROMOFORM (OR) METHANE, TRIBROMO-
- . Waste code: U228
- . Waste name: ETHENE, TRICHLORO- (OR) TRICHLOROETHYLENE
- . Waste code: U239
- . Waste name: BENZENE, DIMETHYL- (I,T) (OR) XYLENE (I)
- . Waste code: U247
- . Waste name: BENZENE, 1,1'-(2,2,2-TRICHLOROETHYLIDENE)BIS[4-METHOXY- (OR) METHOXYCHLOR

Date form received by agency: 02/28/2006

Site name: CROSBY AND OVERTON

Classification: Large Quantity Generator

- . Waste code: 121
- . Waste name: 121

- . Waste code: 122
- . Waste name: 122

- . Waste code: 123
- . Waste name: 123

- . Waste code: 131
- . Waste name: 131

- . Waste code: 132
- . Waste name: 132

- . Waste code: 133
- . Waste name: 133

- . Waste code: 134
- . Waste name: 134

- . Waste code: 135
- . Waste name: 135

- . Waste code: 141
- . Waste name: 141

- . Waste code: 151
- . Waste name: 151

- . Waste code: 171

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. Waste name:	171
. Waste code:	172
. Waste name:	172
. Waste code:	181
. Waste name:	181
. Waste code:	212
. Waste name:	212
. Waste code:	213
. Waste name:	213
. Waste code:	214
. Waste name:	214
. Waste code:	221
. Waste name:	221
. Waste code:	222
. Waste name:	222
. Waste code:	223
. Waste name:	223
. Waste code:	231
. Waste name:	231
. Waste code:	232
. Waste name:	232
. Waste code:	241
. Waste name:	241
. Waste code:	251
. Waste name:	251
. Waste code:	252
. Waste name:	252
. Waste code:	261
. Waste name:	261
. Waste code:	271
. Waste name:	271
. Waste code:	272
. Waste name:	272
. Waste code:	281
. Waste name:	281
. Waste code:	291
. Waste name:	291
. Waste code:	311

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. Waste name:	311
. Waste code:	331
. Waste name:	331
. Waste code:	341
. Waste name:	341
. Waste code:	342
. Waste name:	342
. Waste code:	343
. Waste name:	343
. Waste code:	351
. Waste name:	351
. Waste code:	352
. Waste name:	352
. Waste code:	411
. Waste name:	411
. Waste code:	421
. Waste name:	421
. Waste code:	431
. Waste name:	431
. Waste code:	441
. Waste name:	441
. Waste code:	451
. Waste name:	451
. Waste code:	461
. Waste name:	461
. Waste code:	481
. Waste name:	481
. Waste code:	491
. Waste name:	491
. Waste code:	511
. Waste name:	511
. Waste code:	512
. Waste name:	512
. Waste code:	513
. Waste name:	513
. Waste code:	521
. Waste name:	521
. Waste code:	541

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. Waste name:	541
. Waste code:	551
. Waste name:	551
. Waste code:	561
. Waste name:	561
. Waste code:	571
. Waste name:	571
. Waste code:	591
. Waste name:	591
. Waste code:	611
. Waste name:	611
. Waste code:	612
. Waste name:	612
. Waste code:	725
. Waste name:	725
. Waste code:	741
. Waste name:	741
. Waste code:	751
. Waste name:	751
. Waste code:	D001
. Waste name:	IGNITABLE WASTE
. Waste code:	D002
. Waste name:	CORROSIVE WASTE
. Waste code:	D003
. Waste name:	REACTIVE WASTE
. Waste code:	D004
. Waste name:	ARSENIC
. Waste code:	D005
. Waste name:	BARIUM
. Waste code:	D006
. Waste name:	CADMIUM
. Waste code:	D007
. Waste name:	CHROMIUM
. Waste code:	D008
. Waste name:	LEAD
. Waste code:	D009
. Waste name:	MERCURY
. Waste code:	D010

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. Waste name:	SELENIUM
. Waste code:	D011
. Waste name:	SILVER
. Waste code:	D012
. Waste name:	ENDRIN (1,2,3,4,10,10-HEXACHLORO-1,7-EPOXY-1,4,4A,5,6,7,8,8A-OCTAHYDRO-1,4-EN O, ENDO-5,8-DIMETH-ANO-NAPHTHALENE)
. Waste code:	D013
. Waste name:	LINDANE (1,2,3,4,5,6-HEXA-CHLOROCYCLOHEXANE, GAMMA ISOMER)
. Waste code:	D014
. Waste name:	METHOXYCHLOR (1,1,1-TRICHLORO-2,2-BIS [P-METHOXYPHENYL] ETHANE)
. Waste code:	D015
. Waste name:	TOXAPHENE (C10 H10 CL8, TECHNICAL CHLORINATED CAMPHENE, 67-69 PERCENT CHLORINE)
. Waste code:	D018
. Waste name:	BENZENE
. Waste code:	D019
. Waste name:	CARBON TETRACHLORIDE
. Waste code:	D020
. Waste name:	CHLORDANE
. Waste code:	D021
. Waste name:	CHLOROBENZENE
. Waste code:	D022
. Waste name:	CHLOROFORM
. Waste code:	D023
. Waste name:	O-CRESOL
. Waste code:	D024
. Waste name:	M-CRESOL
. Waste code:	D025
. Waste name:	P-CRESOL
. Waste code:	D026
. Waste name:	CRESOL
. Waste code:	D027
. Waste name:	1,4-DICHLOROBENZENE
. Waste code:	D028
. Waste name:	1,2-DICHLOROETHANE
. Waste code:	D029
. Waste name:	1,1-DICHLOROETHYLENE
. Waste code:	D030

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- . Waste name: 2,4-DINITROTOLUENE
- . Waste code: D031
- . Waste name: HEPTACHLOR (AND ITS EPOXIDE)
- . Waste code: D032
- . Waste name: HEXACHLOROBENZENE
- . Waste code: D033
- . Waste name: HEXACHLOROBUTADIENE
- . Waste code: D034
- . Waste name: HEXACHLOROETHANE
- . Waste code: D035
- . Waste name: METHYL ETHYL KETONE
- . Waste code: D036
- . Waste name: NITROBENZENE
- . Waste code: D038
- . Waste name: PYRIDINE
- . Waste code: D039
- . Waste name: TETRACHLOROETHYLENE
- . Waste code: D040
- . Waste name: TRICHLORETHYLENE
- . Waste code: D041
- . Waste name: 2,4,5-TRICHLOROPHENOL
- . Waste code: D042
- . Waste name: 2,4,6-TRICHLOROPHENOL
- . Waste code: D043
- . Waste name: VINYL CHLORIDE
- . Waste code: F001
- . Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
- . Waste code: F002
- . Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND

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SPENT SOLVENT MIXTURES.

- . Waste code: F003
- . Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
- . Waste code: F004
- . Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: CRESOLS, CRESYLIC ACID, AND NITROBENZENE; AND THE STILL BOTTOMS FROM THE RECOVERY OF THESE SOLVENTS; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
- . Waste code: F005
- . Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
- . Waste code: F006
- . Waste name: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS, EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC, AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.
- . Waste code: F007
- . Waste name: SPENT CYANIDE PLATING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS.
- . Waste code: F008
- . Waste name: PLATING BATH RESIDUES FROM THE BOTTOM OF PLATING BATHS FROM ELECTROPLATING OPERATIONS IN WHICH CYANIDES ARE USED IN THE PROCESS.
- . Waste code: F009
- . Waste name: SPENT STRIPPING AND CLEANING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS IN WHICH CYANIDES ARE USED IN THE PROCESS.
- . Waste code: F010
- . Waste name: QUENCHING BATH RESIDUES FROM OIL BATHS FROM METAL HEAT TREATING OPERATIONS IN WHICH CYANIDES ARE USED IN THE PROCESS.
- . Waste code: F011

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- . Waste name: SPENT CYANIDE SOLUTIONS FROM SLAT BATH POT CLEANING FROM METAL HEAT TREATING OPERATIONS.
- . Waste code: F012
- . Waste name: QUENCHING WASTEWATER TREATMENT SLUDGES FROM METAL HEAT TREATING OPERATIONS IN WHICH CYANIDES ARE USED IN THE PROCESS.
- . Waste code: F027
- . Waste name: DISCARDED UNUSED FORMULATIONS CONTAINING TRI-, TETRA-, OR PENTACHLOROPHENOL OR DISCARDED UNUSED FORMULATIONS CONTAINING COMPOUNDS DERIVED FROM THESE CHLOROPHENOLS. (THIS LISTING DOES NOT INCLUDE FORMULATIONS CONTAINING HEXACHLOROPHENE SYNTHESIZED FROM PREPURIFIED 2,4,5-TRICHLOROPHENOL AS THE SOLE COMPONENT.)
- . Waste code: F037
- . Waste name: PETROLEUM REFINERY PRIMARY OIL/WATER/SOLIDS SEPARATION SLUDGE - ANY SLUDGE GENERATED FROM THE GRAVITATIONAL SEPARATION OF OIL/WATER/SOLIDS DURING THE STORAGE OR TREATMENT OF PROCESS WASTEWATERS AND OILY COOLING WASTEWATERS FROM PETROLEUM REFINERIES. SUCH SLUDGES INCLUDE, BUT ARE NOT LIMITED TO, THOSE GENERATED IN OIL/WATER/SOLIDS SEPARATORS; TANKS AND IMPOUNDMENTS; DITCHES AND OTHER CONVEYANCES; SUMPS; AND STORM WATER UNITS RECEIVING DRY WEATHER FLOW. SLUDGES GENERATED IN STORM WATER UNITS THAT DO NOT RECEIVE DRY WEATHER FLOW, SLUDGES GENERATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS AS DEFINED IN SECTION 261.31(B)(2) (INCLUDING SLUDGES GENERATED IN ONE OR MORE ADDITIONAL UNITS AFTER WASTEWATERS HAVE BEEN TREATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS), AND K051 WASTES ARE EXEMPTED FROM THIS LISTING.
- . Waste code: F038
- . Waste name: PETROLEUM REFINERY SECONDARY (EMULSIFIED) OIL/WATER/SOLIDS SEPARATION SLUDGE - ANY SLUDGE AND/OR FLOAT GENERATED FROM THE PHYSICAL AND/OR CHEMICAL SEPARATION OF OIL/WATER/SOLIDS IN PROCESS WASTEWATERS AND OILY COOLING WASTEWATERS FROM PETROLEUM REFINERIES. SUCH WASTES INCLUDE, BUT ARE NOT LIMITED TO, ALL SLUDGES AND FLOATS GENERATED IN INDUCED AIR FLOTATION (IAF) UNITS, TANKS AND IMPOUNDMENTS, AND ALL SLUDGES GENERATED IN DAF UNITS. SLUDGES GENERATED IN STORMWATER UNITS THAT DO NOT RECEIVE DRY WEATHER FLOW, SLUDGES GENERATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS AS DEFINED IN SECTION 261.31(B)(2) (INCLUDING SLUDGES GENERATED IN ONE OR MORE ADDITIONAL UNITS AFTER WASTEWATERS HAVE BEEN TREATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS), AND F037, K048, AND K051 WASTES ARE EXEMPTED FROM THIS LISTING.
- . Waste code: K048
- . Waste name: DISSOLVED AIR FLOTATION (DAF) FLOAT FROM THE PETROLEUM REFINING INDUSTRY.
- . Waste code: K049
- . Waste name: SLOP OIL EMULSION SOLIDS FROM THE PETROLEUM REFINING INDUSTRY.
- . Waste code: K050
- . Waste name: HEAT EXCHANGER BUNDLE CLEANING SLUDGE FROM THE PETROLEUM REFINING INDUSTRY.
- . Waste code: K051
- . Waste name: API SEPARATOR SLUDGE FROM THE PETROLEUM REFINING INDUSTRY.

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- . Waste code: P001
- . Waste name: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3% (OR) WARFARIN, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%

- . Waste code: P002
- . Waste name: 1-ACETYL-2-THIOUREA (OR) ACETAMIDE, N-(AMINOTHIOXOMETHYL)-

- . Waste code: P004
- . Waste name: 1,4,5,8-DIMETHANONAPHTHALENE, 1,2,3,4,10,10-HEXA-CHLORO-1,4,4A,5,8,8A,-HEXAHYDRO-, (1ALPHA, 4ALPHA, 4ABETA, 5ALPHA, 8ALPHA, 8ABETA)- (OR) ALDRIN

- . Waste code: P010
- . Waste name: ARSENIC ACID H3ASO4

- . Waste code: P011
- . Waste name: ARSENIC OXIDE AS2O5 (OR) ARSENIC PENTOXIDE

- . Waste code: P012
- . Waste name: ARSENIC OXIDE AS2O3 (OR) ARSENIC TRIOXIDE

- . Waste code: P014
- . Waste name: BENZENETHIOL (OR) THIOPHENOL

- . Waste code: P020
- . Waste name: DINOSEB (OR) PHENOL, 2-(1-METHYLPROPYL)-4,6-DINITRO-

- . Waste code: P021
- . Waste name: CALCIUM CYANIDE (OR) CALCIUM CYANIDE CA(CN)2

- . Waste code: P024
- . Waste name: BENZENAMINE, 4-CHLORO- (OR) P-CHLORANILINE

- . Waste code: P028
- . Waste name: BENZENE, (CHLOROMETHYL)- (OR) BENZYL CHLORIDE

- . Waste code: P029
- . Waste name: COPPER CYANIDE (OR) COPPER CYANIDE CU(CN)

- . Waste code: P030
- . Waste name: CYANIDES (SOLUBLE CYANIDE SALTS), NOT OTHERWISE SPECIFIED

- . Waste code: P034
- . Waste name: 2-CYCLOHEXYL-4,6-DINITROPHENOL (OR) PHENOL, 2-CYCLOHEXYL-4,6-DINITRO-

- . Waste code: P037
- . Waste name: 2,7:3,6-DIMETHANONAPHTH[2,3-B]OXIRENE, 3,4,5,6,9,9-HEXACHLORO-1A,2,2A,3,6,6A,7,7A-OCTAHYDRO-, (1AALPHA, 2BETA, 2AALPHA, 3BETA, 6BETA, 6AALPHA, 7BETA, 7AALPHA)- (OR) DIELDRIN

- . Waste code: P040
- . Waste name: O,O-DIETHYL O-PYRAZINYL PHOSPHOROTHIOATE (OR) PHOSPHOROTHIOIC ACID, O,O-DIETHYL O-PYRAZINYL ESTER

- . Waste code: P041
- . Waste name: DIETHYL-P-NITROPHENYL PHOSPHATE (OR) PHOSPHORIC ACID, DIETHYL

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4-NITROPHENYL ESTER

- . Waste code: P044
- . Waste name: DIMETHOATE (OR) PHOSPHORODITHIOIC ACID, O,O-DIMETHYL S-[2-(METHYLAMINO)-2-OXOETHYL] ESTER
- . Waste code: P045
- . Waste name: 2-BUTANONE, 3,3-DIMETHYL-1-(METHYLTHIO)-, O-[METHYLAMINO]CARBONYL OXIME (OR) THIOFANOX
- . Waste code: P046
- . Waste name: ALPHA,ALPHA-DIMETHYLPHENETHYLAMINE (OR) BENZENEETHANAMINE, ALPHA, ALPHA-DIMETHYL-
- . Waste code: P050
- . Waste name: 6,9-METHANO-2,4,3-BENZODIOXATHIEPIN,6,7,8,9,10,10-HEXACHLORO-1,5,5A,6, 9A-HEXAHYDRO-,3-OXIDE (OR) ENDOSULFAN
- . Waste code: P051
- . Waste name: 2,7:3,6-DIMETHANONAPHTH[2,3-B]OXIRENE, 3,4,5,6,9,9-HEXACHLORO-1A,2,2A,3,6,6A,7,7A-OCTAHYDRO-, (1AALPHA, 2BETA, 2ABETA, 3ALPHA, 6ALPHA, 6ABETA, 7BETA, 7AALPHA)- & METABOLITES (OR) ENDRIN (OR) ENDRIN, & METABOLITES
- . Waste code: P054
- . Waste name: AZIRIDINE (OR) ETHYLENEIMINE
- . Waste code: P059
- . Waste name: 4,7-METHANO-1H-INDENE, 1,4,5,6,7,8,8-HEPTACHLORO-3A,4,7,7A-TETRAHYDRO- (OR) HEPTACHLOR
- . Waste code: P060
- . Waste name: 1,4,5,8-DIMETHANONAPHTHALENE, 1,2,3,4,10,10-HEXA-CHLORO-1,4,4A,5,8,8A,-HEXAHYDRO-, (1ALPHA, 4ALPHA, 4ABETA, 5BETA, 8BETA, 8ABETA)- (OR) ISODRIN
- . Waste code: P070
- . Waste name: ALDICARB (OR) PROPANAL, 2-METHYL-2-(METHYLTHIO)-, O-[(METHYLAMINO)CARBONYL]OXIME
- . Waste code: P071
- . Waste name: METHYL PARATHION (OR) PHOSPHOROTHIOIC ACID, O,O,-DIMETHYL O-(4-NITROPHENYL) ESTER
- . Waste code: P074
- . Waste name: NICKEL CYANIDE (OR) NICKEL CYANIDE NI(CN)2
- . Waste code: P088
- . Waste name: 7-OXABICYCLO[2.2.1]HEPTANE-2,3-DICARBOXYLIC ACID (OR) ENDOTHALL
- . Waste code: P089
- . Waste name: PARATHION (OR) PHOSPHOROTHIOIC ACID, O,O-DIETHYL-O-(4-NITROPHENYL) ESTER
- . Waste code: P098
- . Waste name: POTASSIUM CYANIDE (OR) POTASSIUM CYANIDE K(CN)

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- . Waste code: P099
- . Waste name: ARGENTATE (1-), BIS(CYANO-C)-, POTASSIUM (OR) POTASSIUM SILVER CYANIDE

- . Waste code: P104
- . Waste name: SILVER CYANIDE (OR) SILVER CYANIDE AG(CN)

- . Waste code: P106
- . Waste name: SODIUM CYANIDE (OR) SODIUM CYANIDE NA(CN)

- . Waste code: P108
- . Waste name: STRYCHNIDIN-10-ONE, & SALTS (OR) STRYCHNINE, & SALTS

- . Waste code: P110
- . Waste name: PLUMBANE, TETRAETHYL- (OR) TETRAETHYL LEAD

- . Waste code: P121
- . Waste name: ZINC CYANIDE (OR) ZINC CYANIDE ZN(CN)2

- . Waste code: P123
- . Waste name: TOXAPHENE

- . Waste code: U001
- . Waste name: ACETALDEHYDE (I) (OR) ETHANAL (I)

- . Waste code: U002
- . Waste name: 2-PROPANONE (I) (OR) ACETONE (I)

- . Waste code: U031
- . Waste name: 1-BUTANOL (I) (OR) N-BUTYL ALCOHOL (I)

- . Waste code: U032
- . Waste name: CALCIUM CHROMATE (OR) CHROMIC ACID H2CRO4, CALCIUM SALT

- . Waste code: U044
- . Waste name: CHLOROFORM (OR) METHANE, TRICHLORO-

- . Waste code: U056
- . Waste name: BENZENE, HEXAHYDRO- (I) (OR) CYCLOHEXANE (I)

- . Waste code: U057
- . Waste name: CYCLOHEXANONE (I)

- . Waste code: U059
- . Waste name: 5,12-NAPHTHACENEDIONE,
8-ACETYL-10-[(3-AMINO-2,3,6-TRIDEOXY)-ALPHA-L-LYXO-HEXOPYRANOSYL)OXY]-
,8,9,10-TETRAHYDRO-6,8,11-TRIHYDROXY-1-METHOXY-, (8S-CIS)- (OR)
DAUNOMYCIN

- . Waste code: U070
- . Waste name: BENZENE, 1,2-DICHLORO- (OR) O-DICHLOROBENZENE

- . Waste code: U071
- . Waste name: BENZENE, 1,3-DICHLORO- (OR) M-DICHLOROBENZENE

- . Waste code: U072
- . Waste name: BENZENE, 1,4-DICHLORO- (OR) P-DICHLOROBENZENE

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- . Waste code: U078
- . Waste name: 1,1-DICHLOROETHYLENE (OR) ETHENE, 1,1-DICHLORO-
- . Waste code: U079
- . Waste name: 1,2-DICHLOROETHYLENE (OR) ETHENE, 1,2-DICHLORO-, (E)-
- . Waste code: U080
- . Waste name: METHANE, DICHLORO- (OR) METHYLENE CHLORIDE
- . Waste code: U081
- . Waste name: 2,4-DICHLOROPHENOL (OR) PHENOL, 2,4-DICHLORO-
- . Waste code: U082
- . Waste name: 2,6-DICHLOROPHENOL (OR) PHENOL, 2,6-DICHLORO-
- . Waste code: U092
- . Waste name: DIMETHYLAMINE (I) (OR) METHANAMINE, N-METHYL- (I)
- . Waste code: U101
- . Waste name: 2,4-DIMETHYLPHENOL (OR) PHENOL, 2,4-DIMETHYL-
- . Waste code: U108
- . Waste name: 1,4-DIETHYLENEOXIDE (OR) 1,4-DIOXANE
- . Waste code: U112
- . Waste name: ACETIC ACID, ETHYL ESTER (I) (OR) ETHYL ACETATE (I)
- . Waste code: U121
- . Waste name: METHANE, TRICHLOROFLUORO- (OR) TRICHLOROMONOFUOROMETHANE
- . Waste code: U122
- . Waste name: FORMALDEHYDE
- . Waste code: U123
- . Waste name: FORMIC ACID (C,T)
- . Waste code: U125
- . Waste name: 2-FURANCARBOXALDEHYDE (I) (OR) FURFURAL (I)
- . Waste code: U129
- . Waste name: CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, (1ALPHA, 2ALPHA, 3BETA, 4ALPHA, 5ALPHA, 6BETA)- (OR) LINDANE
- . Waste code: U131
- . Waste name: ETHANE, HEXACHLORO- (OR) HEXACHLOROETHANE
- . Waste code: U140
- . Waste name: 1-PROPANOL, 2-METHYL- (I,T) (OR) ISOBUTYL ALCOHOL (I,T)
- . Waste code: U151
- . Waste name: MERCURY
- . Waste code: U154
- . Waste name: METHANOL (I) (OR) METHYL ALCOHOL (I)
- . Waste code: U161
- . Waste name: 4-METHYL-2-PENTANONE (I) (OR) METHYL ISOBUTYL KETONE (I) (OR)

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PENTANOL, 4-METHYL-

. Waste code: U165

. Waste name: NAPHTHALENE

. Waste code: U166

. Waste name: 1,4-NAPHTHALENEDIONE (OR) 1,4-NAPHTHOQUINONE

. Waste code: U182

. Waste name: 1,3,5-TRIOXANE, 2,4,6-TRIMETHYL- (OR) PARALDEHYDE

. Waste code: U188

. Waste name: PHENOL

. Waste code: U196

. Waste name: PYRIDINE

. Waste code: U210

. Waste name: ETHENE, TETRACHLORO- (OR) TETRACHLOROETHYLENE

. Waste code: U220

. Waste name: BENZENE, METHYL- (OR) TOLUENE

. Waste code: U221

. Waste name: BENZENEDIAMINE, AR-METHYL- (OR) TOLUENEDIAMINE

. Waste code: U223

. Waste name: BENZENE, 1,3-DIISOCYANATOMETHYL- (R,T) (OR) TOLUENE DIISOCYANATE (R,T)

. Waste code: U225

. Waste name: BROMOFORM (OR) METHANE, TRIBROMO-

. Waste code: U226

. Waste name: ETHANE, 1,1,1-TRICHLORO- (OR) METHYL CHLOROFORM

. Waste code: U227

. Waste name: 1,1,2-TRICHLOROETHANE (OR) ETHANE, 1,1,2-TRICHLORO-

. Waste code: U228

. Waste name: ETHENE, TRICHLORO- (OR) TRICHLOROETHYLENE

. Waste code: U239

. Waste name: BENZENE, DIMETHYL- (I,T) (OR) XYLENE (I)

. Waste code: U247

. Waste name: BENZENE, 1,1'-(2,2,2-TRICHLOROETHYLIDENE)BIS[4-METHOXY- (OR) METHOXYCHLOR

. Waste code: U359

. Waste name: ETHANOL, 2-ETHOXY- (OR) ETHYLENE GLYCOL MONOETHYL ETHER

Date form received by agency: 04/23/2003

Site name: CROSBY & OVERTON

Classification: Large Quantity Generator

. Waste code: D001

. Waste name: IGNITABLE WASTE

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. Waste code:	D002
. Waste name:	CORROSIVE WASTE
. Waste code:	D003
. Waste name:	REACTIVE WASTE
. Waste code:	D004
. Waste name:	ARSENIC
. Waste code:	D005
. Waste name:	BARIUM
. Waste code:	D006
. Waste name:	CADMIUM
. Waste code:	D007
. Waste name:	CHROMIUM
. Waste code:	D008
. Waste name:	LEAD
. Waste code:	D009
. Waste name:	MERCURY
. Waste code:	D010
. Waste name:	SELENIUM
. Waste code:	D011
. Waste name:	SILVER
. Waste code:	D012
. Waste name:	ENDRIN (1,2,3,4,10,10-HEXACHLORO-1,7-EPOXY-1,4,4A,5,6,7,8,8A-OCTAHYDRO-1,4-EN O, ENDO-5,8-DIMETH-ANO-NAPHTHALENE)
. Waste code:	D013
. Waste name:	LINDANE (1,2,3,4,5,6-HEXA-CHLOROCYCLOHEXANE, GAMMA ISOMER)
. Waste code:	D014
. Waste name:	METHOXYCHLOR (1,1,1-TRICHLORO-2,2-BIS [P-METHOXYPHENYL] ETHANE)
. Waste code:	D015
. Waste name:	TOXAPHENE (C10 H10 CL8, TECHNICAL CHLORINATED CAMPHENE, 67-69 PERCENT CHLORINE)
. Waste code:	D018
. Waste name:	BENZENE
. Waste code:	D019
. Waste name:	CARBON TETRACHLORIDE
. Waste code:	D020
. Waste name:	CHLORDANE
. Waste code:	D021
. Waste name:	CHLOROBENZENE

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. Waste code:	D022
. Waste name:	CHLOROFORM
. Waste code:	D023
. Waste name:	O-CRESOL
. Waste code:	D024
. Waste name:	M-CRESOL
. Waste code:	D025
. Waste name:	P-CRESOL
. Waste code:	D026
. Waste name:	CRESOL
. Waste code:	D027
. Waste name:	1,4-DICHLOROBENZENE
. Waste code:	D028
. Waste name:	1,2-DICHLOROETHANE
. Waste code:	D029
. Waste name:	1,1-DICHLOROETHYLENE
. Waste code:	D030
. Waste name:	2,4-DINITROTOLUENE
. Waste code:	D031
. Waste name:	HEPTACHLOR (AND ITS EPOXIDE)
. Waste code:	D032
. Waste name:	HEXACHLOROBENZENE
. Waste code:	D033
. Waste name:	HEXACHLOROBUTADIENE
. Waste code:	D034
. Waste name:	HEXACHLOROETHANE
. Waste code:	D035
. Waste name:	METHYL ETHYL KETONE
. Waste code:	D036
. Waste name:	NITROBENZENE
. Waste code:	D038
. Waste name:	PYRIDINE
. Waste code:	D039
. Waste name:	TETRACHLOROETHYLENE
. Waste code:	D040
. Waste name:	TRICHLORETHYLENE
. Waste code:	D041
. Waste name:	2,4,5-TRICHLOROPHENOL

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- . Waste code: D042
- . Waste name: 2,4,6-TRICHLOROPHENOL

- . Waste code: D043
- . Waste name: VINYL CHLORIDE

- . Waste code: F001
- . Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

- . Waste code: F002
- . Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

- . Waste code: F003
- . Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

- . Waste code: F004
- . Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: CRESOLS, CRESYLIC ACID, AND NITROBENZENE; AND THE STILL BOTTOMS FROM THE RECOVERY OF THESE SOLVENTS; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

- . Waste code: F005
- . Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

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- . Waste code: F006
- . Waste name: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS, EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC, AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

- . Waste code: F007
- . Waste name: SPENT CYANIDE PLATING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS.

- . Waste code: F008
- . Waste name: PLATING BATH RESIDUES FROM THE BOTTOM OF PLATING BATHS FROM ELECTROPLATING OPERATIONS IN WHICH CYANIDES ARE USED IN THE PROCESS.

- . Waste code: F009
- . Waste name: SPENT STRIPPING AND CLEANING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS IN WHICH CYANIDES ARE USED IN THE PROCESS.

- . Waste code: F010
- . Waste name: QUENCHING BATH RESIDUES FROM OIL BATHS FROM METAL HEAT TREATING OPERATIONS IN WHICH CYANIDES ARE USED IN THE PROCESS.

- . Waste code: F011
- . Waste name: SPENT CYANIDE SOLUTIONS FROM SLAT BATH POT CLEANING FROM METAL HEAT TREATING OPERATIONS.

- . Waste code: F012
- . Waste name: QUENCHING WASTEWATER TREATMENT SLUDGES FROM METAL HEAT TREATING OPERATIONS IN WHICH CYANIDES ARE USED IN THE PROCESS.

- . Waste code: F027
- . Waste name: DISCARDED UNUSED FORMULATIONS CONTAINING TRI-, TETRA-, OR PENTACHLOROPHENOL OR DISCARDED UNUSED FORMULATIONS CONTAINING COMPOUNDS DERIVED FROM THESE CHLOROPHENOLS. (THIS LISTING DOES NOT INCLUDE FORMULATIONS CONTAINING HEXACHLOROPHENE SYNTHESIZED FROM PREPURIFIED 2,4,5-TRICHLOROPHENOL AS THE SOLE COMPONENT.)

- . Waste code: F037
- . Waste name: PETROLEUM REFINERY PRIMARY OIL/WATER/SOLIDS SEPARATION SLUDGE - ANY SLUDGE GENERATED FROM THE GRAVITATIONAL SEPARATION OF OIL/WATER/SOLIDS DURING THE STORAGE OR TREATMENT OF PROCESS WASTEWATERS AND OILY COOLING WASTEWATERS FROM PETROLEUM REFINERIES. SUCH SLUDGES INCLUDE, BUT ARE NOT LIMITED TO, THOSE GENERATED IN OIL/WATER/SOLIDS SEPARATORS; TANKS AND IMPOUNDMENTS; DITCHES AND OTHER CONVEYANCES; SUMPS; AND STORM WATER UNITS RECEIVING DRY WEATHER FLOW. SLUDGES GENERATED IN STORM WATER UNITS THAT DO NOT RECEIVE DRY WEATHER FLOW, SLUDGES GENERATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS AS DEFINED IN SECTION 261.31(B)(2) (INCLUDING SLUDGES GENERATED IN ONE OR MORE ADDITIONAL UNITS AFTER WASTEWATERS HAVE BEEN TREATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS), AND K051 WASTES ARE EXEMPTED FROM THIS LISTING.

- . Waste code: F038
- . Waste name: PETROLEUM REFINERY SECONDARY (EMULSIFIED) OIL/WATER/SOLIDS SEPARATION SLUDGE - ANY SLUDGE AND/OR FLOAT GENERATED FROM THE PHYSICAL AND/OR

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CHEMICAL SEPARATION OF OIL/WATER/SOLIDS IN PROCESS WASTEWATERS AND OILY COOLING WASTEWATERS FROM PETROLEUM REFINERIES. SUCH WASTES INCLUDE, BUT ARE NOT LIMITED TO, ALL SLUDGES AND FLOATS GENERATED IN INDUCED AIR FLOTATION (IAF) UNITS, TANKS AND IMPOUNDMENTS, AND ALL SLUDGES GENERATED IN DAF UNITS. SLUDGES GENERATED IN STORMWATER UNITS THAT DO NOT RECEIVE DRY WEATHER FLOW, SLUDGES GENERATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS AS DEFINED IN SECTION 261.31(B)(2) (INCLUDING SLUDGES GENERATED IN ONE OR MORE ADDITIONAL UNITS AFTER WASTEWATERS HAVE BEEN TREATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS), AND F037, K048, AND K051 WASTES ARE EXEMPTED FROM THIS LISTING.

- . Waste code: K048
- . Waste name: DISSOLVED AIR FLOTATION (DAF) FLOAT FROM THE PETROLEUM REFINING INDUSTRY.

- . Waste code: K049
- . Waste name: SLOP OIL EMULSION SOLIDS FROM THE PETROLEUM REFINING INDUSTRY.

- . Waste code: K050
- . Waste name: HEAT EXCHANGER BUNDLE CLEANING SLUDGE FROM THE PETROLEUM REFINING INDUSTRY.

- . Waste code: K051
- . Waste name: API SEPARATOR SLUDGE FROM THE PETROLEUM REFINING INDUSTRY.

- . Waste code: P001
- . Waste name: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3% (OR) WARFARIN, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%

- . Waste code: P002
- . Waste name: 1-ACETYL-2-THIOUREA (OR) ACETAMIDE, N-(AMINOTHIOXOMETHYL)-

- . Waste code: P004
- . Waste name: 1,4,5,8-DIMETHANONAPHTHALENE, 1,2,3,4,10,10-HEXA-CHLORO-1,4,4A,5,8,8A,-HEXAHYDRO-, (1ALPHA, 4ALPHA, 4ABETA, 5ALPHA, 8ALPHA, 8ABETA)- (OR) ALDRIN

- . Waste code: P010
- . Waste name: ARSENIC ACID H3ASO4

- . Waste code: P011
- . Waste name: ARSENIC OXIDE AS2O5 (OR) ARSENIC PENTOXIDE

- . Waste code: P012
- . Waste name: ARSENIC OXIDE AS2O3 (OR) ARSENIC TRIOXIDE

- . Waste code: P014
- . Waste name: BENZENETHIOL (OR) THIOPHENOL

- . Waste code: P020
- . Waste name: DINOSEB (OR) PHENOL, 2-(1-METHYLPROPYL)-4,6-DINITRO-

- . Waste code: P021
- . Waste name: CALCIUM CYANIDE (OR) CALCIUM CYANIDE CA(CN)2

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CROSBY & OVERTON (Continued)

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- . Waste code: P024
- . Waste name: BENZENAMINE, 4-CHLORO- (OR) P-CHLORANILINE

- . Waste code: P028
- . Waste name: BENZENE, (CHLOROMETHYL)- (OR) BENZYL CHLORIDE

- . Waste code: P029
- . Waste name: COPPER CYANIDE (OR) COPPER CYANIDE CU(CN)

- . Waste code: P030
- . Waste name: CYANIDES (SOLUBLE CYANIDE SALTS), NOT OTHERWISE SPECIFIED

- . Waste code: P034
- . Waste name: 2-CYCLOHEXYL-4,6-DINITROPHENOL (OR) PHENOL, 2-CYCLOHEXYL-4,6-DINITRO-

- . Waste code: P037
- . Waste name: 2,7:3,6-DIMETHANONAPHTH[2,3-B]OXIRENE,
3,4,5,6,9,9-HEXACHLORO-1A,2,2A,3,6,6A,7,7A-OCTAHYDRO-, (1AALPHA,
2BETA, 2AALPHA, 3BETA, 6BETA, 6AALPHA, 7BETA, 7AALPHA)- (OR) DIELDRIN

- . Waste code: P040
- . Waste name: O,O-DIETHYL O-PYRAZINYL PHOSPHOROTHIOATE (OR) PHOSPHOROTHIOIC ACID,
O,O-DIETHYL O-PYRAZINYL ESTER

- . Waste code: P041
- . Waste name: DIETHYL-P-NITROPHENYL PHOSPHATE (OR) PHOSPHORIC ACID, DIETHYL
4-NITROPHENYL ESTER

- . Waste code: P044
- . Waste name: DIMETHOATE (OR) PHOSPHORODITHIOIC ACID, O,O-DIMETHYL
S-[2-(METHYLAMINO)-2-OXOETHYL] ESTER

- . Waste code: P045
- . Waste name: 2-BUTANONE, 3,3-DIMETHYL-1-(METHYLTHIO)-, O-[METHYLAMINO)CARBONYL]
OXIME (OR) THIOFANOX

- . Waste code: P046
- . Waste name: ALPHA,ALPHA-DIMETHYLPHENETHYLAMINE (OR) BENZENEETHANAMINE, ALPHA,
ALPHA-DIMETHYL-

- . Waste code: P050
- . Waste name: 6,9-METHANO-2,4,3-BENZODIOXATHIEPIN,6,7,8,9,10,10-HEXACHLORO-1,5,5A,6,
,9A-HEXAHYDRO-,3-OXIDE (OR) ENDOSULFAN

- . Waste code: P051
- . Waste name: 2,7:3,6-DIMETHANONAPHTH[2,3-B]OXIRENE,
3,4,5,6,9,9-HEXACHLORO-1A,2,2A,3,6,6A,7,7A-OCTAHYDRO-, (1AALPHA,
2BETA, 2ABETA, 3ALPHA, 6ALPHA, 6ABETA, 7BETA, 7AALPHA)- & METABOLITES
(OR) ENDRIN (OR) ENDRIN, & METABOLITES

- . Waste code: P054
- . Waste name: AZIRIDINE (OR) ETHYLENEIMINE

- . Waste code: P059
- . Waste name: 4,7-METHANO-1H-INDENE, 1,4,5,6,7,8,8-HEPTACHLORO-3A,4,7,7A-TETRAHYDRO-
(OR) HEPTACHLOR

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- . Waste code: P060
- . Waste name: 1,4,5,8-DIMETHANONAPHTHALENE,
1,2,3,4,10,10-HEXA-CHLORO-1,4,4A,5,8,8A,-HEXAHYDRO-, (1ALPHA, 4ALPHA,
4ABETA, 5BETA, 8BETA, 8ABETA)- (OR) ISODRIN

- . Waste code: P070
- . Waste name: ALDICARB (OR) PROPANAL, 2-METHYL-2-(METHYLTHIO)-,
O-[(METHYLAMINO)CARBONYL]OXIME

- . Waste code: P071
- . Waste name: METHYL PARATHION (OR) PHOSPHOROTHIOIC ACID, O,O,-DIMETHYL
O-(4-NITROPHENYL) ESTER

- . Waste code: P074
- . Waste name: NICKEL CYANIDE (OR) NICKEL CYANIDE NI(CN)2

- . Waste code: P088
- . Waste name: 7-OXABICYCLO[2.2.1]HEPTANE-2,3-DICARBOXYLIC ACID (OR) ENDOTHALL

- . Waste code: P089
- . Waste name: PARATHION (OR) PHOSPHOROTHIOIC ACID, O,O-DIETHYL-O-(4-NITROPHENYL)
ESTER

- . Waste code: P098
- . Waste name: POTASSIUM CYANIDE (OR) POTASSIUM CYANIDE K(CN)

- . Waste code: P099
- . Waste name: ARGENTATE (1-), BIS(CYANO-C)-, POTASSIUM (OR) POTASSIUM SILVER CYANIDE

- . Waste code: P104
- . Waste name: SILVER CYANIDE (OR) SILVER CYANIDE AG(CN)

- . Waste code: P106
- . Waste name: SODIUM CYANIDE (OR) SODIUM CYANIDE NA(CN)

- . Waste code: P108
- . Waste name: STRYCHNIDIN-10-ONE, & SALTS (OR) STRYCHNINE, & SALTS

- . Waste code: P110
- . Waste name: PLUMBANE, TETRAETHYL- (OR) TETRAETHYL LEAD

- . Waste code: P121
- . Waste name: ZINC CYANIDE (OR) ZINC CYANIDE ZN(CN)2

- . Waste code: P123
- . Waste name: TOXAPHENE

- . Waste code: U001
- . Waste name: ACETALDEHYDE (I) (OR) ETHANAL (I)

- . Waste code: U002
- . Waste name: 2-PROPANONE (I) (OR) ACETONE (I)

- . Waste code: U031
- . Waste name: 1-BUTANOL (I) (OR) N-BUTYL ALCOHOL (I)

- . Waste code: U032

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- . Waste name: CALCIUM CHROMATE (OR) CHROMIC ACID H₂CrO₄, CALCIUM SALT
- . Waste code: U044
- . Waste name: CHLOROFORM (OR) METHANE, TRICHLORO-
- . Waste code: U056
- . Waste name: BENZENE, HEXAHYDRO- (I) (OR) CYCLOHEXANE (I)
- . Waste code: U057
- . Waste name: CYCLOHEXANONE (I)
- . Waste code: U059
- . Waste name: 5,12-NAPHTHACENEDIONE,
8-ACETYL-10-[(3-AMINO-2,3,6-TRIDEOXY)-ALPHA-L-LYXO-HEXOPYRANOSYL)OXY]-
,8,9,10-TETRAHYDRO-6,8,11-TRIHYDROXY-1-METHOXY-, (8S-CIS)- (OR)
DAUNOMYCIN
- . Waste code: U070
- . Waste name: BENZENE, 1,2-DICHLORO- (OR) O-DICHLOROBENZENE
- . Waste code: U071
- . Waste name: BENZENE, 1,3-DICHLORO- (OR) M-DICHLOROBENZENE
- . Waste code: U072
- . Waste name: BENZENE, 1,4-DICHLORO- (OR) P-DICHLOROBENZENE
- . Waste code: U078
- . Waste name: 1,1-DICHLOROETHYLENE (OR) ETHENE, 1,1-DICHLORO-
- . Waste code: U079
- . Waste name: 1,2-DICHLOROETHYLENE (OR) ETHENE, 1,2-DICHLORO-, (E)-
- . Waste code: U080
- . Waste name: METHANE, DICHLORO- (OR) METHYLENE CHLORIDE
- . Waste code: U081
- . Waste name: 2,4-DICHLOROPHENOL (OR) PHENOL, 2,4-DICHLORO-
- . Waste code: U082
- . Waste name: 2,6-DICHLOROPHENOL (OR) PHENOL, 2,6-DICHLORO-
- . Waste code: U092
- . Waste name: DIMETHYLAMINE (I) (OR) METHANAMINE, N-METHYL- (I)
- . Waste code: U101
- . Waste name: 2,4-DIMETHYLPHENOL (OR) PHENOL, 2,4-DIMETHYL-
- . Waste code: U108
- . Waste name: 1,4-DIETHYLENEOXIDE (OR) 1,4-DIOXANE
- . Waste code: U112
- . Waste name: ACETIC ACID, ETHYL ESTER (I) (OR) ETHYL ACETATE (I)
- . Waste code: U121
- . Waste name: METHANE, TRICHLOROFLUORO- (OR) TRICHLOROMONOFUOROMETHANE
- . Waste code: U122

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- . Waste name: FORMALDEHYDE
- . Waste code: U123
- . Waste name: FORMIC ACID (C,T)
- . Waste code: U125
- . Waste name: 2-FURANCARBOXALDEHYDE (I) (OR) FURFURAL (I)
- . Waste code: U129
- . Waste name: CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, (1ALPHA, 2ALPHA, 3BETA, 4ALPHA, 5ALPHA, 6BETA)- (OR) LINDANE
- . Waste code: U131
- . Waste name: ETHANE, HEXACHLORO- (OR) HEXACHLOROETHANE
- . Waste code: U140
- . Waste name: 1-PROPANOL, 2-METHYL- (I,T) (OR) ISOBUTYL ALCOHOL (I,T)
- . Waste code: U151
- . Waste name: MERCURY
- . Waste code: U154
- . Waste name: METHANOL (I) (OR) METHYL ALCOHOL (I)
- . Waste code: U161
- . Waste name: 4-METHYL-2-PENTANONE (I) (OR) METHYL ISOBUTYL KETONE (I) (OR) PENTANOL, 4-METHYL-
- . Waste code: U165
- . Waste name: NAPHTHALENE
- . Waste code: U166
- . Waste name: 1,4-NAPHTHALENEDIONE (OR) 1,4-NAPHTHOQUINONE
- . Waste code: U182
- . Waste name: 1,3,5-TRIOXANE, 2,4,6-TRIMETHYL- (OR) PARALDEHYDE
- . Waste code: U188
- . Waste name: PHENOL
- . Waste code: U196
- . Waste name: PYRIDINE
- . Waste code: U210
- . Waste name: ETHENE, TETRACHLORO- (OR) TETRACHLOROETHYLENE
- . Waste code: U220
- . Waste name: BENZENE, METHYL- (OR) TOLUENE
- . Waste code: U221
- . Waste name: BENZENEDIAMINE, AR-METHYL- (OR) TOLUENEDIAMINE
- . Waste code: U223
- . Waste name: BENZENE, 1,3-DIISOCYANATOMETHYL- (R,T) (OR) TOLUENE DIISOCYANATE (R,T)
- . Waste code: U225
- . Waste name: BROMOFORM (OR) METHANE, TRIBROMO-

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- . Waste code: U226
- . Waste name: ETHANE, 1,1,1-TRICHLORO- (OR) METHYL CHLOROFORM
- . Waste code: U227
- . Waste name: 1,1,2-TRICHLOROETHANE (OR) ETHANE, 1,1,2-TRICHLORO-
- . Waste code: U228
- . Waste name: ETHENE, TRICHLORO- (OR) TRICHLOROETHYLENE
- . Waste code: U239
- . Waste name: BENZENE, DIMETHYL- (I,T) (OR) XYLENE (I)
- . Waste code: U247
- . Waste name: BENZENE, 1,1'-(2,2,2-TRICHLOROETHYLIDENE)BIS[4-METHOXY- (OR) METHOXYCHLOR
- . Waste code: U359
- . Waste name: ETHANOL, 2-ETHOXY- (OR) ETHYLENE GLYCOL MONOETHYL ETHER

Date form received by agency: 05/03/2002

Site name: CROSBY & OVERTON

Classification: Large Quantity Generator

Date form received by agency: 03/16/2001

Site name: CROSBY & OVERTON, INC.

Classification: Large Quantity Generator

Date form received by agency: 04/15/1999

Site name: CROSBY & OVERTON, INC.

Classification: Not a generator, verified

Date form received by agency: 09/01/1996

Site name: CROSBY & OVERTON PLT NO 1

Classification: Large Quantity Generator

Date form received by agency: 08/16/1996

Site name: CROSBY AND OVERTON INC

Classification: Large Quantity Generator

Date form received by agency: 03/31/1994

Site name: CROSBY & OVERTON PLANT #1

Classification: Large Quantity Generator

Date form received by agency: 02/28/1992

Site name: CROSBY & OVERTON - PLANT #1

Classification: Large Quantity Generator

Date form received by agency: 10/26/1990

Site name: CROSBY & OVERTON, INC.

Classification: Large Quantity Generator

Date form received by agency: 07/18/1980

Site name: CROSBY & OVERTON PLT NO 1

Classification: Large Quantity Generator

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Last Biennial Reporting Year: 2013

Annual Waste Handled:

Waste code:	D001
Waste name:	IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
Amount (Lbs):	1794211.6
Waste code:	D002
Waste name:	A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.
Amount (Lbs):	22238205
Waste code:	D003
Waste name:	A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BE WASTE GUNPOWDER.
Amount (Lbs):	25886.4
Waste code:	D004
Waste name:	ARSENIC
Amount (Lbs):	1948080.2
Waste code:	D005
Waste name:	BARIUM
Amount (Lbs):	1749091.1
Waste code:	D006
Waste name:	CADMIUM
Amount (Lbs):	2375426.1
Waste code:	D007
Waste name:	CHROMIUM
Amount (Lbs):	2057407.9
Waste code:	D008
Waste name:	LEAD
Amount (Lbs):	2117114.8
Waste code:	D009
Waste name:	MERCURY
Amount (Lbs):	1309190.3
Waste code:	D010
Waste name:	SELENIUM

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Amount (Lbs):	1568394.9
Waste code:	D011
Waste name:	SILVER
Amount (Lbs):	2217745.6
Waste code:	D013
Waste name:	LINDANE
Amount (Lbs):	69879.4
Waste code:	D014
Waste name:	METHOXYCHLOR
Amount (Lbs):	69879.4
Waste code:	D016
Waste name:	2,4-D
Amount (Lbs):	436511.9
Waste code:	D018
Waste name:	BENZENE
Amount (Lbs):	1352237.5
Waste code:	D019
Waste name:	CARBON TETRACHLORIDE
Amount (Lbs):	509941
Waste code:	D020
Waste name:	CHLORDANE
Amount (Lbs):	1285475.7
Waste code:	D021
Waste name:	CHLOROBENZENE
Amount (Lbs):	637461.9
Waste code:	D022
Waste name:	CHLOROFORM
Amount (Lbs):	561897.5
Waste code:	D027
Waste name:	1,4-DICHLOROBENZENE
Amount (Lbs):	7888
Waste code:	D028
Waste name:	1,2-DICHLOROETHANE
Amount (Lbs):	467156.9
Waste code:	D035
Waste name:	METHYL ETHYL KETONE
Amount (Lbs):	905448.8
Waste code:	D037
Waste name:	PENTRACHLOROPHENOL
Amount (Lbs):	10341.3
Waste code:	D038
Waste name:	PYRIDINE
Amount (Lbs):	429353

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Waste code:	D039
Waste name:	TETRACHLOROETHYLENE
Amount (Lbs):	645762.5
Waste code:	D040
Waste name:	TRICHLOROETHYLENE
Amount (Lbs):	660418.6
Waste code:	D041
Waste name:	2,4,5-TRICHLOROPHENOL
Amount (Lbs):	795
Waste code:	D043
Waste name:	VINYL CHLORIDE
Amount (Lbs):	433943
Waste code:	F001
Waste name:	THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE, AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs):	463383
Waste code:	F002
Waste name:	THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs):	1276545.4
Waste code:	F003
Waste name:	THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs):	1411917.2
Waste code:	F004
Waste name:	THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: CRESOLS AND CRESYLIC ACID, AND NITROBENZENE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN

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	F001, F002, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs):	6609
Waste code:	F005
Waste name:	THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs):	1565521.9
Waste code:	F006
Waste name:	WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.
Amount (Lbs):	34509
Waste code:	F008
Waste name:	PLATING BATH RESIDUES FROM THE BOTTOM OF PLATING BATHS FROM ELECTROPLATING OPERATIONS WHERE CYANIDES ARE USED IN THE PROCESS.
Amount (Lbs):	11571
Waste code:	P030
Waste name:	CYANIDES (SOLUBLE CYANIDE SALTS), NOT OTHERWISE SPECIFIED
Amount (Lbs):	42
Waste code:	U002
Waste name:	ACETONE (I)
Amount (Lbs):	537280.9
Waste code:	U010
Waste name:	AZIRINO[2',3':3,4]PYRROLO[1,2-A]INDOLE-4,7-DIONE, 6-AMINO-8-[[[(AMINOCARBONYL)OXY]METHYL]-1,1A,2,8,8A,8B-HEXAHYDRO-8A-METHOXY-5-METHYL-, [1AS-(1AALPHA, 8BETA,8AALPHA,8BALPHA)]-
Amount (Lbs):	1283
Waste code:	U031
Waste name:	1-BUTANOL (I)
Amount (Lbs):	438074
Waste code:	U112
Waste name:	ACETIC ACID ETHYL ESTER (I)
Amount (Lbs):	429353
Waste code:	U122
Waste name:	FORMALDEHYDE
Amount (Lbs):	429353
Waste code:	U123

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Waste name: FORMIC ACID (C,T)
Amount (Lbs): 7314.6

Waste code: U154
Waste name: METHANOL (I)
Amount (Lbs): 429353

Waste code: U159
Waste name: 2-BUTANONE (I,T)
Amount (Lbs): 429353

Waste code: U188
Waste name: PHENOL
Amount (Lbs): 17143.8

Waste code: U220
Waste name: BENZENE, METHYL-
Amount (Lbs): 438074

Waste code: U239
Waste name: BENZENE, DIMETHYL- (I,T)
Amount (Lbs): 438074

Corrective Action Summary:

Event date: 06/01/1984
Event: CA029WQ

Event date: 06/01/1984
Event: CA049PA

Event date: 06/01/1984
Event: CA Prioritization, Facility or area was assigned a low corrective action priority.

Event date: 07/28/1988
Event: RFA Completed, Assessment was an RFA.

Event date: 08/01/1988
Event: CA049SI

Event date: 01/15/1993
Event: CA Prioritization, Facility or area was assigned a low corrective action priority.

Event date: 02/24/1993
Event: Stabilization Measures Evaluation, This facility is not amenable to stabilization activity at the present time for reasons other than 1- it appears to be technically infeasible or inappropriate (NF) or 2- there is a lack of technical information (IN). Reasons for this conclusion may be the status of closure at the facility, the degree of risk, timing considerations, the status of corrective action work at the facility, or other administrative considerations.

Event date: 08/20/2014
Event: Igration of Contaminated Groundwater under Control, Yes, Migration of Contaminated Groundwater Under Control has been verified. Based on a

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review of information contained in the EI determination, it has been determined that migration of contaminated groundwater is under control at the facility. Specifically, this determination indicates that the migration of contaminated groundwater is under control, and that monitoring will be conducted to confirm that contaminated groundwater remains within the existing area of contaminated groundwater. This determination will be re-evaluated when the Agency becomes aware of significant changes at the facility.

Event date: 08/20/2014

Event: CA550RC

Event date: 08/20/2014

Event: Current Human Exposures under Control, Yes, Current Human Exposures Under Control has been verified. Based on a review of information contained in the EI determination, current human exposures are expected to be under control at the facility under current and reasonably expected conditions. This determination will be re-evaluated when the Agency/State becomes aware of significant changes at the facility.

Facility Has Received Notices of Violations:

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 11/28/2012
Date achieved compliance: 03/06/2013
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/01/2013
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: State Statute or Regulation
Date violation determined: 08/02/2011
Date achieved compliance: 10/17/2011
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/29/2011
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 08/02/2011
Date achieved compliance: 10/17/2011
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/29/2011

Map ID
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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Container Use and Management
Date violation determined: 04/23/2009
Date achieved compliance: 10/26/2009
Violation lead agency: State
Enforcement action: SINGLE SITE CA/FO
Enforcement action date: 09/27/2010
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 40000
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 04/23/2009
Date achieved compliance: 07/17/2009
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/05/2009
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 04/23/2009
Date achieved compliance: 07/20/2009
Violation lead agency: State
Enforcement action: SINGLE SITE CA/FO
Enforcement action date: 09/27/2010
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 40000
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Air Emission Standards - Tanks/SI/Containers
Date violation determined: 04/23/2009
Date achieved compliance: 07/20/2009
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/05/2009
Enf. disposition status: Not reported

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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Container Use and Management
Date violation determined: 04/23/2009
Date achieved compliance: 10/26/2009
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/05/2009
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Manifest/Records/Reporting
Date violation determined: 04/23/2009
Date achieved compliance: 07/17/2009
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/05/2009
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Manifest/Records/Reporting
Date violation determined: 04/23/2009
Date achieved compliance: 10/26/2009
Violation lead agency: State
Enforcement action: SINGLE SITE CA/FO
Enforcement action date: 09/27/2010
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 40000
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Air Emission Standards - Tanks/SI/Containers
Date violation determined: 04/23/2009
Date achieved compliance: 07/20/2009
Violation lead agency: State
Enforcement action: SINGLE SITE CA/FO
Enforcement action date: 09/27/2010
Enf. disposition status: Not reported
Enf. disp. status date: Not reported

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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 40000
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 04/23/2009
Date achieved compliance: 07/20/2009
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/05/2009
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Manifest/Records/Reporting
Date violation determined: 04/23/2009
Date achieved compliance: 10/26/2009
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/05/2009
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Preparedness and Prevention
Date violation determined: 04/23/2009
Date achieved compliance: 07/20/2009
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/05/2009
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Preparedness and Prevention
Date violation determined: 04/23/2009
Date achieved compliance: 07/20/2009
Violation lead agency: State
Enforcement action: SINGLE SITE CA/FO
Enforcement action date: 09/27/2010
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State

Map ID
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Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Proposed penalty amount: Not reported
Final penalty amount: 40000
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: State Statute or Regulation
Date violation determined: 10/23/2008
Date achieved compliance: 10/23/2008
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 10/23/2008
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Transporters - General
Date violation determined: 10/23/2008
Date achieved compliance: 10/23/2008
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 10/23/2008
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: State Statute or Regulation
Date violation determined: 02/25/2008
Date achieved compliance: 07/13/2008
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/25/2008
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: State Statute or Regulation
Date violation determined: 02/25/2008
Date achieved compliance: 02/25/2008
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/25/2008
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported

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Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Container Use and Management
Date violation determined: 02/25/2008
Date achieved compliance: 02/25/2008
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/25/2008
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Permit Condition or Requirement
Date violation determined: 02/25/2008
Date achieved compliance: 07/13/2008
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/25/2008
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Manifest
Date violation determined: 09/19/2007
Date achieved compliance: 10/01/2007
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/20/2007
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Container Use and Management
Date violation determined: 05/16/2007
Date achieved compliance: 05/16/2007
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/17/2007
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported

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EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Container Use and Management
Date violation determined: 03/27/2007
Date achieved compliance: 03/27/2007
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/27/2007
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Container Use and Management
Date violation determined: 01/24/2006
Date achieved compliance: 03/27/2006
Violation lead agency: State
Enforcement action: SINGLE SITE CA/FO
Enforcement action date: 07/27/2006
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 35240
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 01/24/2006
Date achieved compliance: 03/27/2006
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 01/26/2006
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Container Use and Management
Date violation determined: 01/24/2006
Date achieved compliance: 03/27/2006
Violation lead agency: State
Enforcement action: LETTER OF INTENT TO INITIATE ENFORCEMENT ACTION
Enforcement action date: 06/30/2006
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Map ID
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Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Regulation violated: Not reported
Area of violation: TSD - Preparedness and Prevention
Date violation determined: 01/24/2006
Date achieved compliance: 03/27/2006
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 01/26/2006
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Preparedness and Prevention
Date violation determined: 01/24/2006
Date achieved compliance: 03/27/2006
Violation lead agency: State
Enforcement action: LETTER OF INTENT TO INITIATE ENFORCEMENT ACTION
Enforcement action date: 06/30/2006
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 01/24/2006
Date achieved compliance: 03/27/2006
Violation lead agency: State
Enforcement action: SINGLE SITE CA/FO
Enforcement action date: 07/27/2006
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 35240
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 01/24/2006
Date achieved compliance: 03/27/2006
Violation lead agency: State
Enforcement action: LETTER OF INTENT TO INITIATE ENFORCEMENT ACTION
Enforcement action date: 06/30/2006
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported

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Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Area of violation: TSD - Preparedness and Prevention
Date violation determined: 01/24/2006
Date achieved compliance: 03/27/2006
Violation lead agency: State
Enforcement action: SINGLE SITE CA/FO
Enforcement action date: 07/27/2006
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 35240
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Container Use and Management
Date violation determined: 01/24/2006
Date achieved compliance: 03/27/2006
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 01/26/2006
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Container Use and Management
Date violation determined: 06/28/2005
Date achieved compliance: 06/28/2005
Violation lead agency: State
Enforcement action: LETTER OF INTENT TO INITIATE ENFORCEMENT ACTION
Enforcement action date: 06/30/2006
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 06/28/2005
Date achieved compliance: 10/05/2005
Violation lead agency: State
Enforcement action: SINGLE SITE CA/FO
Enforcement action date: 07/27/2006
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 35240
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards

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Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Date violation determined: 06/28/2005
Date achieved compliance: 10/05/2005
Violation lead agency: State
Enforcement action: LETTER OF INTENT TO INITIATE ENFORCEMENT ACTION
Enforcement action date: 06/30/2006
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Tank System Standards
Date violation determined: 06/28/2005
Date achieved compliance: 10/05/2005
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/28/2005
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Container Use and Management
Date violation determined: 06/28/2005
Date achieved compliance: 06/28/2005
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/28/2005
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 06/28/2005
Date achieved compliance: 10/05/2005
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/28/2005
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Container Use and Management
Date violation determined: 06/28/2005

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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Date achieved compliance: 06/28/2005
Violation lead agency: State
Enforcement action: SINGLE SITE CA/FO
Enforcement action date: 07/27/2006
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 35240
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Tank System Standards
Date violation determined: 06/28/2005
Date achieved compliance: 10/05/2005
Violation lead agency: State
Enforcement action: SINGLE SITE CA/FO
Enforcement action date: 07/27/2006
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 35240
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Tank System Standards
Date violation determined: 06/28/2005
Date achieved compliance: 10/05/2005
Violation lead agency: State
Enforcement action: LETTER OF INTENT TO INITIATE ENFORCEMENT ACTION
Enforcement action date: 06/30/2006
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 02/09/2005
Date achieved compliance: 02/23/2005
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/09/2005
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Container Use and Management
Date violation determined: 02/09/2005
Date achieved compliance: 02/09/2005

Map ID
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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/09/2005
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Container Use and Management
Date violation determined: 11/22/2004
Date achieved compliance: 11/23/2004
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/24/2004
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Container Use and Management
Date violation determined: 08/19/2004
Date achieved compliance: 08/19/2004
Violation lead agency: State
Enforcement action: LETTER OF INTENT TO INITIATE ENFORCEMENT ACTION
Enforcement action date: 09/30/2004
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Container Use and Management
Date violation determined: 08/19/2004
Date achieved compliance: 08/19/2004
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/19/2004
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Container Use and Management
Date violation determined: 08/19/2004
Date achieved compliance: 08/19/2004
Violation lead agency: State

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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Enforcement action: SINGLE SITE CA/FO
Enforcement action date: 01/06/2005
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 60000
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Manifest/Records/Reporting
Date violation determined: 11/04/2003
Date achieved compliance: 06/24/2004
Violation lead agency: State
Enforcement action: LETTER OF INTENT TO INITIATE ENFORCEMENT ACTION
Enforcement action date: 09/30/2004
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 11/04/2003
Date achieved compliance: 01/28/2004
Violation lead agency: State
Enforcement action: SINGLE SITE CA/FO
Enforcement action date: 01/06/2005
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 60000
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 11/04/2003
Date achieved compliance: 06/24/2004
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/17/2003
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 11/04/2003
Date achieved compliance: 06/24/2004
Violation lead agency: State
Enforcement action: SINGLE SITE CA/FO

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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Enforcement action date: 01/06/2005
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 60000
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 11/04/2003
Date achieved compliance: 12/16/2003
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/17/2003
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Manifest/Records/Reporting
Date violation determined: 11/04/2003
Date achieved compliance: 06/24/2004
Violation lead agency: State
Enforcement action: SINGLE SITE CA/FO
Enforcement action date: 01/06/2005
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 60000
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Tank System Standards
Date violation determined: 11/04/2003
Date achieved compliance: 06/24/2004
Violation lead agency: State
Enforcement action: SINGLE SITE CA/FO
Enforcement action date: 01/06/2005
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 60000
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Tank System Standards
Date violation determined: 11/04/2003
Date achieved compliance: 06/24/2004
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/17/2003

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 11/04/2003
Date achieved compliance: 01/28/2004
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/17/2003
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 11/04/2003
Date achieved compliance: 12/16/2003
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/17/2003
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Manifest/Records/Reporting
Date violation determined: 11/04/2003
Date achieved compliance: 06/24/2004
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/17/2003
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Tank System Standards
Date violation determined: 11/04/2003
Date achieved compliance: 06/24/2004
Violation lead agency: State
Enforcement action: LETTER OF INTENT TO INITIATE ENFORCEMENT ACTION
Enforcement action date: 09/30/2004
Enf. disposition status: Not reported

Map ID
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 11/04/2003
Date achieved compliance: 06/24/2004
Violation lead agency: State
Enforcement action: LETTER OF INTENT TO INITIATE ENFORCEMENT ACTION
Enforcement action date: 09/30/2004
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 11/04/2003
Date achieved compliance: 01/28/2004
Violation lead agency: State
Enforcement action: LETTER OF INTENT TO INITIATE ENFORCEMENT ACTION
Enforcement action date: 09/30/2004
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 09/10/2002
Date achieved compliance: 12/10/2002
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/11/2002
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Financial Requirements
Date violation determined: 09/04/2002
Date achieved compliance: 09/02/2003
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/04/2002
Enf. disposition status: Not reported
Enf. disp. status date: Not reported

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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Financial Requirements
Date violation determined: 12/14/2001
Date achieved compliance: 09/02/2003
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 12/14/2001
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Container Use and Management
Date violation determined: 10/31/2001
Date achieved compliance: 02/01/2002
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/01/2001
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Container Use and Management
Date violation determined: 10/31/2001
Date achieved compliance: 10/31/2001
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/01/2001
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 10/31/2001
Date achieved compliance: 02/01/2002
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/01/2001
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State

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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Preparedness and Prevention
Date violation determined: 09/29/1999
Date achieved compliance: 11/12/1999
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 10/07/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 09/29/1999
Date achieved compliance: 10/03/2000
Violation lead agency: State
Enforcement action: CRIMINAL CONVICTION
Enforcement action date: 03/17/2003
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Container Use and Management
Date violation determined: 09/29/1999
Date achieved compliance: 11/12/1999
Violation lead agency: State
Enforcement action: CRIMINAL CONVICTION
Enforcement action date: 03/17/2003
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Container Use and Management
Date violation determined: 09/29/1999
Date achieved compliance: 11/12/1999
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 10/07/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported

Map ID
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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Tank System Standards
Date violation determined: 09/29/1999
Date achieved compliance: 10/03/2000
Violation lead agency: State
Enforcement action: CRIMINAL CONVICTION
Enforcement action date: 03/17/2003
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Preparedness and Prevention
Date violation determined: 09/29/1999
Date achieved compliance: 11/12/1999
Violation lead agency: State
Enforcement action: CRIMINAL CONVICTION
Enforcement action date: 03/17/2003
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 09/29/1999
Date achieved compliance: 11/12/1999
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 10/07/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Tank System Standards
Date violation determined: 09/29/1999
Date achieved compliance: 10/03/2000
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 10/07/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported

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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 09/29/1999
Date achieved compliance: 10/03/2000
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 10/07/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 06/21/1999
Date achieved compliance: 11/11/1999
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/21/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Manifest/Records/Reporting
Date violation determined: 06/21/1999
Date achieved compliance: 11/11/1999
Violation lead agency: State
Enforcement action: CRIMINAL CONVICTION
Enforcement action date: 03/17/2003
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Manifest/Records/Reporting
Date violation determined: 06/21/1999
Date achieved compliance: 11/11/1999
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/21/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 06/21/1999
Date achieved compliance: 11/11/1999
Violation lead agency: State
Enforcement action: CRIMINAL CONVICTION
Enforcement action date: 03/17/2003
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 264.10-18.B
Area of violation: TSD - General
Date violation determined: 02/26/1998
Date achieved compliance: 04/29/1998
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 04/24/1998
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 4000
Paid penalty amount: 4000

Regulation violated: F - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 02/04/1993
Date achieved compliance: 07/09/1993
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/04/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 268 ALL
Area of violation: LDR - General
Date violation determined: 02/04/1993
Date achieved compliance: 02/18/1993
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/04/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 264.70-77.E

Map ID
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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Area of violation: TSD - General
Date violation determined: 02/04/1993
Date achieved compliance: 02/18/1993
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/04/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.10-18.B
Area of violation: TSD - General
Date violation determined: 12/06/1991
Date achieved compliance: 02/06/1992
Violation lead agency: EPA
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 05/08/1990
Date achieved compliance: 11/02/1990
Violation lead agency: State
Enforcement action: FINAL 3008(H) I.S. CA ORDER
Enforcement action date: 08/29/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 270
Area of violation: TSD - General
Date violation determined: 04/16/1990
Date achieved compliance: 10/14/1991
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 05/24/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 146500
Final penalty amount: 146500
Paid penalty amount: Not reported

Regulation violated: F - 264.70-77.E
Area of violation: TSD - General

Map ID
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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Date violation determined: 10/17/1989
Date achieved compliance: 10/18/1989
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/22/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 270
Area of violation: TSD - General
Date violation determined: 10/17/1989
Date achieved compliance: 10/18/1989
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/22/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 270
Area of violation: TSD - General
Date violation determined: 10/11/1989
Date achieved compliance: 12/15/1989
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/22/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 264.70-77.E
Area of violation: TSD - General
Date violation determined: 10/11/1989
Date achieved compliance: 12/15/1989
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/22/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 07/26/1989

Map ID
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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Date achieved compliance: 06/20/1990
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/20/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 264.70-77.E
Area of violation: TSD - General
Date violation determined: 02/17/1989
Date achieved compliance: 02/15/1990
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/13/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 268 ALL
Area of violation: LDR - General
Date violation determined: 02/17/1989
Date achieved compliance: 02/15/1990
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 12/22/1988
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 270
Area of violation: TSD - General
Date violation determined: 02/17/1989
Date achieved compliance: 02/15/1990
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/13/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 268.7
Area of violation: LDR - General
Date violation determined: 02/17/1989
Date achieved compliance: 02/15/1990

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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/13/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 264.70-77.E
Area of violation: TSD - General
Date violation determined: 02/17/1989
Date achieved compliance: 02/15/1990
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 12/22/1988
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 270
Area of violation: TSD - General
Date violation determined: 02/17/1989
Date achieved compliance: 02/15/1990
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 12/22/1988
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 268 ALL
Area of violation: LDR - General
Date violation determined: 02/17/1989
Date achieved compliance: 02/15/1990
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/13/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 268.7
Area of violation: LDR - General
Date violation determined: 02/17/1989
Date achieved compliance: 02/15/1990
Violation lead agency: State

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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 12/22/1988
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 02/08/1989
Date achieved compliance: 10/18/1989
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 08/29/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 79000
Paid penalty amount: 79000

Regulation violated: F - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 02/08/1989
Date achieved compliance: 10/18/1989
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 12/28/1988
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 12/03/1987
Date achieved compliance: 02/17/1989
Violation lead agency: EPA
Enforcement action: Not reported
Enforcement action date: 02/19/1988
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268.7
Area of violation: LDR - General
Date violation determined: 12/03/1987
Date achieved compliance: 02/17/1989
Violation lead agency: EPA
Enforcement action: Not reported

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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Enforcement action date: 02/19/1988
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268 ALL
Area of violation: LDR - General
Date violation determined: 12/03/1987
Date achieved compliance: 02/17/1989
Violation lead agency: EPA
Enforcement action: Not reported
Enforcement action date: 02/19/1988
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 11/24/1987
Date achieved compliance: 10/18/1989
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 12/28/1988
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 11/24/1987
Date achieved compliance: 10/18/1989
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 12/21/1987
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.70-77.E
Area of violation: TSD - General
Date violation determined: 11/12/1987
Date achieved compliance: 12/15/1989
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 12/07/1987

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Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268.7
Area of violation: LDR - General
Date violation determined: 11/12/1987
Date achieved compliance: 12/15/1989
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 12/22/1988
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 11/12/1987
Date achieved compliance: 12/15/1989
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 12/28/1988
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268 ALL
Area of violation: LDR - General
Date violation determined: 11/12/1987
Date achieved compliance: 12/15/1989
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 12/28/1988
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 11/12/1987
Date achieved compliance: 12/15/1989
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 12/07/1987
Enf. disposition status: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 11/12/1987
Date achieved compliance: 12/15/1989
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/12/1987
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268.7
Area of violation: LDR - General
Date violation determined: 11/12/1987
Date achieved compliance: 12/15/1989
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 12/28/1988
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268 ALL
Area of violation: LDR - General
Date violation determined: 11/12/1987
Date achieved compliance: 12/15/1989
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 12/22/1988
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 11/12/1987
Date achieved compliance: 12/15/1989
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 12/22/1988
Enf. disposition status: Not reported
Enf. disp. status date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.70-77.E
Area of violation: TSD - General
Date violation determined: 11/12/1987
Date achieved compliance: 12/15/1989
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/12/1987
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.70-77.E
Area of violation: TSD - General
Date violation determined: 11/12/1987
Date achieved compliance: 12/15/1989
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 12/22/1988
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.70-77.E
Area of violation: TSD - General
Date violation determined: 11/12/1987
Date achieved compliance: 12/15/1989
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 12/28/1988
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 08/25/2014
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 06/27/2014
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/27/2014
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 12/13/2012
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/28/2012
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 03/06/2013
Evaluation lead agency: State

Evaluation date: 05/22/2012
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 01/25/2012
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/02/2011
Evaluation: FOLLOW-UP INSPECTION
Area of violation: State Statute or Regulation
Date achieved compliance: 10/17/2011
Evaluation lead agency: State

Evaluation date: 08/02/2011
Evaluation: FOLLOW-UP INSPECTION
Area of violation: TSD - General Facility Standards
Date achieved compliance: 10/17/2011
Evaluation lead agency: State

Evaluation date: 05/05/2011
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 02/16/2011
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Evaluation date:	08/25/2010
Evaluation:	FOLLOW-UP INSPECTION
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	12/22/2009
Evaluation:	FINANCIAL RECORD REVIEW
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	11/12/2009
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	05/13/2009
Evaluation:	FINANCIAL RECORD REVIEW
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	04/23/2009
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	TSD - Air Emission Standards - Tanks/Sl/Containers
Date achieved compliance:	07/20/2009
Evaluation lead agency:	State
Evaluation date:	04/23/2009
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	TSD - General Facility Standards
Date achieved compliance:	07/20/2009
Evaluation lead agency:	State
Evaluation date:	04/23/2009
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	TSD - Preparedness and Prevention
Date achieved compliance:	07/20/2009
Evaluation lead agency:	State
Evaluation date:	04/23/2009
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	TSD - Manifest/Records/Reporting
Date achieved compliance:	07/17/2009
Evaluation lead agency:	State
Evaluation date:	04/23/2009
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	TSD - Manifest/Records/Reporting
Date achieved compliance:	10/26/2009
Evaluation lead agency:	State
Evaluation date:	04/23/2009
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	TSD - General Facility Standards

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Date achieved compliance: 07/17/2009
Evaluation lead agency: State

Evaluation date: 04/23/2009
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Container Use and Management
Date achieved compliance: 10/26/2009
Evaluation lead agency: State

Evaluation date: 10/23/2008
Evaluation: FOLLOW-UP INSPECTION
Area of violation: Transporters - General
Date achieved compliance: 10/23/2008
Evaluation lead agency: State

Evaluation date: 10/23/2008
Evaluation: FOLLOW-UP INSPECTION
Area of violation: State Statute or Regulation
Date achieved compliance: 10/23/2008
Evaluation lead agency: State

Evaluation date: 03/12/2008
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 02/25/2008
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Permit Condition or Requirement
Date achieved compliance: 07/13/2008
Evaluation lead agency: State

Evaluation date: 02/25/2008
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: State Statute or Regulation
Date achieved compliance: 02/25/2008
Evaluation lead agency: State

Evaluation date: 02/25/2008
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: State Statute or Regulation
Date achieved compliance: 07/13/2008
Evaluation lead agency: State

Evaluation date: 02/25/2008
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Container Use and Management
Date achieved compliance: 02/25/2008
Evaluation lead agency: State

Evaluation date: 09/19/2007
Evaluation: FOLLOW-UP INSPECTION
Area of violation: Generators - Manifest
Date achieved compliance: 10/01/2007
Evaluation lead agency: State

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Evaluation date: 05/16/2007
Evaluation: FOLLOW-UP INSPECTION
Area of violation: TSD - Container Use and Management
Date achieved compliance: 05/16/2007
Evaluation lead agency: State

Evaluation date: 03/27/2007
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Container Use and Management
Date achieved compliance: 03/27/2007
Evaluation lead agency: State

Evaluation date: 03/26/2007
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/28/2006
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 09/22/2006
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA Contractor/Grantee

Evaluation date: 03/27/2006
Evaluation: NOT A SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/02/2006
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 01/24/2006
Evaluation: FOLLOW-UP INSPECTION
Area of violation: TSD - Container Use and Management
Date achieved compliance: 03/27/2006
Evaluation lead agency: State

Evaluation date: 01/24/2006
Evaluation: SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 01/24/2006
Evaluation: FOLLOW-UP INSPECTION
Area of violation: TSD - Preparedness and Prevention

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Date achieved compliance: 03/27/2006
Evaluation lead agency: State

Evaluation date: 01/24/2006
Evaluation: FOLLOW-UP INSPECTION
Area of violation: TSD - General Facility Standards
Date achieved compliance: 03/27/2006
Evaluation lead agency: State

Evaluation date: 10/05/2005
Evaluation: NOT A SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/28/2005
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General Facility Standards
Date achieved compliance: 10/05/2005
Evaluation lead agency: State

Evaluation date: 06/28/2005
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Container Use and Management
Date achieved compliance: 06/28/2005
Evaluation lead agency: State

Evaluation date: 06/28/2005
Evaluation: SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/28/2005
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Tank System Standards
Date achieved compliance: 10/05/2005
Evaluation lead agency: State

Evaluation date: 02/09/2005
Evaluation: FOLLOW-UP INSPECTION
Area of violation: TSD - Container Use and Management
Date achieved compliance: 02/09/2005
Evaluation lead agency: State

Evaluation date: 02/09/2005
Evaluation: FOLLOW-UP INSPECTION
Area of violation: TSD - General Facility Standards
Date achieved compliance: 02/23/2005
Evaluation lead agency: State

Evaluation date: 11/22/2004
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Container Use and Management
Date achieved compliance: 11/23/2004
Evaluation lead agency: State

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Evaluation date: 10/14/2004
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/19/2004
Evaluation: FOLLOW-UP INSPECTION
Area of violation: TSD - Container Use and Management
Date achieved compliance: 08/19/2004
Evaluation lead agency: State

Evaluation date: 06/24/2004
Evaluation: NOT A SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/21/2004
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 11/04/2003
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General Facility Standards
Date achieved compliance: 06/24/2004
Evaluation lead agency: State

Evaluation date: 11/04/2003
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General Facility Standards
Date achieved compliance: 01/28/2004
Evaluation lead agency: State

Evaluation date: 11/04/2003
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Manifest/Records/Reporting
Date achieved compliance: 06/24/2004
Evaluation lead agency: State

Evaluation date: 11/04/2003
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Tank System Standards
Date achieved compliance: 06/24/2004
Evaluation lead agency: State

Evaluation date: 11/04/2003
Evaluation: SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/04/2003
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Date achieved compliance: 12/16/2003
Evaluation lead agency: State

Evaluation date: 11/04/2003
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General Facility Standards
Date achieved compliance: 12/16/2003
Evaluation lead agency: State

Evaluation date: 09/11/2003
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/10/2002
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General Facility Standards
Date achieved compliance: 12/10/2002
Evaluation lead agency: State

Evaluation date: 09/04/2002
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 09/02/2003
Evaluation lead agency: State

Evaluation date: 12/14/2001
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 09/02/2003
Evaluation lead agency: State

Evaluation date: 10/31/2001
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General Facility Standards
Date achieved compliance: 02/01/2002
Evaluation lead agency: State

Evaluation date: 10/31/2001
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Container Use and Management
Date achieved compliance: 10/31/2001
Evaluation lead agency: State

Evaluation date: 10/31/2001
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Container Use and Management
Date achieved compliance: 02/01/2002
Evaluation lead agency: State

Evaluation date: 10/03/2000
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Evaluation date: 10/03/2000
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 10/03/2000
Evaluation: NOT A SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/29/1999
Evaluation: FOLLOW-UP INSPECTION
Area of violation: TSD - Container Use and Management
Date achieved compliance: 11/12/1999
Evaluation lead agency: State

Evaluation date: 09/29/1999
Evaluation: FOLLOW-UP INSPECTION
Area of violation: TSD - General Facility Standards
Date achieved compliance: 10/03/2000
Evaluation lead agency: State

Evaluation date: 09/29/1999
Evaluation: FOLLOW-UP INSPECTION
Area of violation: TSD - General Facility Standards
Date achieved compliance: 11/12/1999
Evaluation lead agency: State

Evaluation date: 09/29/1999
Evaluation: FOLLOW-UP INSPECTION
Area of violation: TSD - Tank System Standards
Date achieved compliance: 10/03/2000
Evaluation lead agency: State

Evaluation date: 09/29/1999
Evaluation: FOLLOW-UP INSPECTION
Area of violation: TSD - Preparedness and Prevention
Date achieved compliance: 11/12/1999
Evaluation lead agency: State

Evaluation date: 06/21/1999
Evaluation: SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/21/1999
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Manifest/Records/Reporting
Date achieved compliance: 11/11/1999
Evaluation lead agency: State

Evaluation date: 06/21/1999
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General Facility Standards

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Date achieved compliance: 11/11/1999
Evaluation lead agency: State

Evaluation date: 11/12/1998
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/16/1998
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 02/26/1998
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 04/29/1998
Evaluation lead agency: State

Evaluation date: 10/17/1995
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/26/1995
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 02/18/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 12/21/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Financial Requirements
Date achieved compliance: 07/09/1993
Evaluation lead agency: State

Evaluation date: 12/21/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 02/18/1993
Evaluation lead agency: State

Evaluation date: 12/21/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 02/18/1993
Evaluation lead agency: State

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Evaluation date: 09/25/1991
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 02/06/1992
Evaluation lead agency: EPA

Evaluation date: 03/28/1991
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/08/1990
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 11/02/1990
Evaluation lead agency: State

Evaluation date: 04/16/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 10/14/1991
Evaluation lead agency: State

Evaluation date: 10/17/1989
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - General
Date achieved compliance: 10/18/1989
Evaluation lead agency: State

Evaluation date: 10/11/1989
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 12/15/1989
Evaluation lead agency: State

Evaluation date: 07/26/1989
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 06/20/1990
Evaluation lead agency: EPA

Evaluation date: 02/17/1989
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 02/15/1990
Evaluation lead agency: State

Evaluation date: 02/17/1989
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 02/15/1990
Evaluation lead agency: State

Evaluation date: 02/08/1989
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Date achieved compliance: 10/18/1989
Evaluation lead agency: State

Evaluation date: 03/01/1988
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 12/03/1987
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 02/17/1989
Evaluation lead agency: EPA

Evaluation date: 12/03/1987
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 02/17/1989
Evaluation lead agency: EPA

Evaluation date: 11/24/1987
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 10/18/1989
Evaluation lead agency: State

Evaluation date: 11/12/1987
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 12/15/1989
Evaluation lead agency: State

Evaluation date: 11/12/1987
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 12/15/1989
Evaluation lead agency: State

Evaluation date: 04/30/1985
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

CERC-NFRAP:

Site ID: 0901268
Federal Facility: Not a Federal Facility
NPL Status: Not on the NPL
Non NPL Status: Deferred to RCRA

CERCLIS-NFRAP Site Contact Details:

Contact Sequence ID: 13285386.00000
Person ID: 13003854.00000

Contact Sequence ID: 13290981.00000
Person ID: 13003858.00000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Contact Sequence ID: 13296839.00000
Person ID: 13004003.00000

CERCLIS-NFRAP Site Alias Name(s):

Alias Name: CROSBY & OVERTON PLT #1
Alias Address: Not reported
CA

Alias Name: CHEROKEE
Alias Address: 1622 W 16TH ST
LONG BEACH, CA 90813

Program Priority:
Description: RCRA Deferral - Lead Confirmed

CERCLIS-NFRAP Assessment History:

Action: RESOURCE CONSERVATION AND RECOVERY ACT FACILITY ASSESSMENT
Date Started: / /
Date Completed: 08/01/88
Priority Level: Not reported

Action: SITE INSPECTION
Date Started: / /
Date Completed: 08/01/88
Priority Level: Deferred to RCRA (Subtitle C)

Action: PRELIMINARY ASSESSMENT
Date Started: 06/01/84
Date Completed: 12/01/87
Priority Level: Low priority for further assessment

Action: DISCOVERY
Date Started: / /
Date Completed: 07/01/80
Priority Level: Not reported

Action: ARCHIVE SITE
Date Started: / /
Date Completed: 01/23/96
Priority Level: Not reported

CORRACTS:

EPA ID: CAD028409019
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 19880801
Action: CA049SI
NAICS Code(s): 562211
Hazardous Waste Treatment and Disposal
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD028409019
EPA Region: 09

Map ID
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Elevation

MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Area Name: ENTIRE FACILITY
Actual Date: 19840601
Action: CA049PA
NAICS Code(s): 562211
Hazardous Waste Treatment and Disposal
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD028409019
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 19840601
Action: CA029WQ
NAICS Code(s): 562211
Hazardous Waste Treatment and Disposal
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD028409019
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 19840601
Action: CA075LO - CA Prioritization, Facility or area was assigned a low corrective action priority
NAICS Code(s): 562211
Hazardous Waste Treatment and Disposal
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD028409019
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 19930115
Action: CA075LO - CA Prioritization, Facility or area was assigned a low corrective action priority
NAICS Code(s): 562211
Hazardous Waste Treatment and Disposal
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD028409019
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 20140820
Action: CA750YE - Migration of Contaminated Groundwater under Control, Yes, Migration of Contaminated Groundwater Under Control has been verified
NAICS Code(s): 562211
Hazardous Waste Treatment and Disposal
Original schedule date: 20140924
Schedule end date: Not reported

EPA ID: CAD028409019
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 20140820
Action: CA550RC
NAICS Code(s): 562211

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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Hazardous Waste Treatment and Disposal
Original schedule date: 20140924
Schedule end date: Not reported

EPA ID: CAD028409019
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 20140820
Action: CA725YE - Current Human Exposures Under Control, Yes, Current Human Exposures Under Control has been verified
NAICS Code(s): 562211
Hazardous Waste Treatment and Disposal
Original schedule date: 20140924
Schedule end date: Not reported

EPA ID: CAD028409019
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 19930224
Action: CA225NR - Stabilization Measures Evaluation, This facility is, not amenable to stabilization activity at the, present time for reasons other than (1) it appears to be technically, infeasible or inappropriate (NF) or (2) there is a lack of technical, information (IN). Reasons for this conclusion may be the status of, closure at the facility, the degree of risk, timing considerations, the status of corrective action work at the facility, or other, administrative considerations
NAICS Code(s): 562211
Hazardous Waste Treatment and Disposal
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD028409019
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 19880728
Action: CA050RF - RFA Completed, Assessment was an RFA
NAICS Code(s): 562211
Hazardous Waste Treatment and Disposal
Original schedule date: Not reported
Schedule end date: Not reported

FTTS INSP:
Inspection Number: 19870825CA001 2
Region: 09
Inspection Date: 08/25/87
Inspector: BERMAN
Violation occurred: Yes
Investigation Type: Section 6 PCB State Conducted
Investigation Reason: Neutral Scheme, State
Legislation Code: TSCA
Facility Function: Storer

HIST FTTS INSP:
Inspection Number: 19870825CA001 2

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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Region: 09
Inspection Date: Not reported
Inspector: BERMAN
Violation occurred: Yes
Investigation Type: Section 6 PCB State Conducted
Investigation Reason: Neutral Scheme, State
Legislation Code: TSCA
Facility Function: Storer

HIST CORTESE:

Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 908130352

LUST:

Region: STATE
Global Id: T0603701949
Latitude: 33.7870887
Longitude: -118.2144618
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 08/29/1996
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Worker: YR
Local Agency: LONG BEACH, CITY OF
RB Case Number: 908130352
LOC Case Number: Not reported
File Location: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

Contact:

Global Id: T0603701949
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

Global Id: T0603701949
Contact Type: Local Agency Caseworker
Contact Name: CARMEN PIRO
Organization Name: LONG BEACH, CITY OF
Address: 2525 GRAND AVE.
City: LONG BEACH
Email: carmen.piro@longbeach.gov
Phone Number: 5625704137

Status History:

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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Global Id: T0603701949
Status: Open - Case Begin Date
Status Date: 01/01/1986

Global Id: T0603701949
Status: Open - Remediation
Status Date: 03/19/1993

Global Id: T0603701949
Status: Completed - Case Closed
Status Date: 08/29/1996

Regulatory Activities:

Global Id: T0603701949
Action Type: Other
Date: 01/01/1986
Action: Leak Discovery

Global Id: T0603701949
Action Type: Other
Date: 11/14/1986
Action: Leak Reported

LUST REG 4:

Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 908130352
Status: Case Closed
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater
Abatement Method Used at the Site: ETFP
Global ID: T0603701949
W Global ID: Not reported
Staff: UNK
Local Agency: 19060
Cross Street: CANAL AVE
Enforcement Type: Not reported
Date Leak Discovered: 1/1/1986
Date Leak First Reported: 11/14/1986
Date Leak Record Entered: 9/8/1987
Date Confirmation Began: Not reported
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 9/25/1996
Date the Case was Closed: 8/29/1996
How Leak Discovered: Not reported
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Operator: LARRY BOYLE
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 15505.953668653684933492847186

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Source of Cleanup Funding: UNK
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: Not reported
Remediation Plan Submitted: 3/19/1993
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Yes
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: CROSBY AND OVERTON
RP Address: 1610 17TH ST W LONG BEACH CA 90813
Program: LUST
Lat/Long: 33.7870887 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: FREE PRODUCT RECOVERY IN PROGRESS. ADDITIONAL SAP REQUIRED.

CA FID UST:

Facility ID: 19056599
Regulated By: UTNKA
Regulated ID: 00003057
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 2134325445
Mail To: Not reported
Mailing Address: 1610 W 017TH ST
Mailing Address 2: Not reported
Mailing City,St,Zip: LONG BEACH 90813
Contact: Not reported
Contact Phone: Not reported
DUNS Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

HIST UST:

Region: STATE
Facility ID: 00000003057
Facility Type: Other
Other Type: HEAVY DUTY CLEANING
Contact Name: Not reported
Telephone: 2134325445
Owner Name: CROSBY & OVERTON, INC.
Owner Address: 1610 WEST 17TH STREET

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Owner City,St,Zip: LONG BEACH, CA 90813
Total Tanks: 0009

Tank Num: 001
Container Num: EQ#00473 1
Year Installed: 1974
Tank Capacity: 00008000
Tank Used for: PRODUCT
Type of Fuel: PREMIUM
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 002
Container Num: 2 EQ#00474
Year Installed: 1974
Tank Capacity: 00009000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 003
Container Num: 3
Year Installed: Not reported
Tank Capacity: 00001000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 004
Container Num: 4
Year Installed: Not reported
Tank Capacity: 00001000
Tank Used for: PRODUCT
Type of Fuel: PREMIUM
Container Construction Thickness: Not reported
Leak Detection: Groundwater Monitoring Well, None

Tank Num: 005
Container Num: 5 EQ 00462
Year Installed: 1968
Tank Capacity: 00003000
Tank Used for: PRODUCT
Type of Fuel: PREMIUM
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 006
Container Num: 6 EQ 00463
Year Installed: Not reported
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: None

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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Tank Num: 007
Container Num: 7WASHDOWN
Year Installed: Not reported
Tank Capacity: 00003000
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Container Construction Thickness: 6
Leak Detection: None

Tank Num: 008
Container Num: 8 PLANT 1
Year Installed: 1974
Tank Capacity: 00004500
Tank Used for: WASTE
Type of Fuel: 06
Container Construction Thickness: 6
Leak Detection: None

Tank Num: 009
Container Num: 9
Year Installed: 1983
Tank Capacity: 00000550
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Container Construction Thickness: 10
Leak Detection: None

NY MANIFEST:

EPA ID: CAD028409019
Country: USA
Location Address 1: 1620 W. 16TH STREET
Location Address 2: Not reported
Location City: LONG BEACH
Location State: CA
Location Zip Code: 90813
Location Zip Code 4: Not reported

Mailing Info:

Name: CROSBY AND OVERTON
Contact: CROSBY AND OVERTON
Address: 1620 W. 16TH STREET
City/State/Zip: LONG BEACH, CA 90813
Country: USA
Phone: 213-432-5445

Manifest:

Document ID: NYA7920747
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID: 11284PNY
Trans2 State ID: Not reported
Generator Ship Date: 06/05/1992
Trans1 Recv Date: 06/05/1992
Trans2 Recv Date: / /
TSD Site Recv Date: 06/22/1992
Part A Recv Date: / /
Part B Recv Date: 07/01/1992

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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Generator EPA ID: CAD028409019
Trans1 EPA ID: NYD980769947
Trans2 EPA ID: Not reported
TSDF ID: NYD000632372
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00075
Units: P - Pounds
Number of Containers: 001
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 100
Waste Code: D002 - NON-LISTED CORROSIVE WASTES
Quantity: 00033
Units: P - Pounds
Number of Containers: 001
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 100
Year: 1992

Document ID: NYA8072892
Manifest Status: Completed copy
Trans1 State ID: 000000000
Trans2 State ID: 000000000
Generator Ship Date: 04/14/1989
Trans1 Recv Date: 04/14/1989
Trans2 Recv Date: / /
TSD Site Recv Date: 04/20/1989
Part A Recv Date: 04/25/1989
Part B Recv Date: 04/27/1989
Generator EPA ID: CAD028409019
Trans1 EPA ID: NYD980769947
Trans2 EPA ID: Not reported
TSDF ID: NYD000632372
Waste Code: D003 - NON-LISTED REACTIVE WASTES
Quantity: 00009
Units: P - Pounds
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 100
Year: 1989

Document ID: NYA7920738
Manifest Status: Completed copy
Trans1 State ID: 10208P-NY
Trans2 State ID: Not reported
Generator Ship Date: 09/18/1989
Trans1 Recv Date: 09/18/1989
Trans2 Recv Date: / /
TSD Site Recv Date: 10/02/1989
Part A Recv Date: 09/25/1989
Part B Recv Date: 10/10/1989
Generator EPA ID: CAD028409019
Trans1 EPA ID: NYD980769947

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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Trans2 EPA ID: Not reported
TSDF ID: NYD000632372
Waste Code: D002 - NON-LISTED CORROSIVE WASTES
Quantity: 00001
Units: P - Pounds
Number of Containers: 001
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 100
Year: 1989

Document ID: NYA8054073
Manifest Status: Completed copy
Trans1 State ID: 000000000
Trans2 State ID: 000000000
Generator Ship Date: 04/14/1989
Trans1 Recv Date: 04/14/1989
Trans2 Recv Date: / /
TSD Site Recv Date: 04/20/1989
Part A Recv Date: 04/25/1989
Part B Recv Date: 04/27/1989
Generator EPA ID: CAD028409019
Trans1 EPA ID: NYD980769947
Trans2 EPA ID: Not reported
TSDF ID: NYD000632372
Waste Code: D003 - NON-LISTED REACTIVE WASTES
Quantity: 00027
Units: P - Pounds
Number of Containers: 002
Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 100
Waste Code: D002 - NON-LISTED CORROSIVE WASTES
Quantity: 00002
Units: L
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 100
Year: 1989

Document ID: NYA4163253
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID: X17593NY
Trans2 State ID: Not reported
Generator Ship Date: 09/18/1986
Trans1 Recv Date: 09/18/1986
Trans2 Recv Date: / /
TSD Site Recv Date: 09/26/1986
Part A Recv Date: 11/07/1986
Part B Recv Date: 10/02/1986
Generator EPA ID: CAD028409019
Trans1 EPA ID: NYD980769947
Trans2 EPA ID: Not reported
TSDF ID: NYD000632372

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EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00001
Units: Y - Cubic yards* (.85 tons)
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 100
Year: 1986

Document ID: NYA5462199
Manifest Status: Completed copy
Trans1 State ID: NY-X17593
Trans2 State ID: Not reported
Generator Ship Date: 07/23/1987
Trans1 Recv Date: 07/23/1987
Trans2 Recv Date: / /
TSD Site Recv Date: 08/03/1987
Part A Recv Date: 07/27/1987
Part B Recv Date: 08/07/1987
Generator EPA ID: CAD028409019
Trans1 EPA ID: NYD980769947
Trans2 EPA ID: Not reported
TSDF ID: NYD000632372
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00017
Units: P - Pounds
Number of Containers: 002
Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 100
Waste Code: D003 - NON-LISTED REACTIVE WASTES
Quantity: 00017
Units: P - Pounds
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Waste Code: D002 - NON-LISTED CORROSIVE WASTES
Quantity: 00009
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 003
Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 100
Year: 1987

Document ID: NYA3199408
Manifest Status: Completed copy
Trans1 State ID: X17593
Trans2 State ID: Not reported
Generator Ship Date: 01/19/1987
Trans1 Recv Date: 01/19/1987
Trans2 Recv Date: / /
TSD Site Recv Date: 01/28/1987
Part A Recv Date: 01/30/1987

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EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Part B Recv Date: 02/04/1987
Generator EPA ID: CAD028409019
Trans1 EPA ID: NYD980769947
Trans2 EPA ID: Not reported
TSDF ID: NYD000632372
Waste Code: D002 - NON-LISTED CORROSIVE WASTES
Quantity: 00200
Units: P - Pounds
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 100
Waste Code: D002 - NON-LISTED CORROSIVE WASTES
Quantity: 00080
Units: P - Pounds
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 100
Waste Code: D003 - NON-LISTED REACTIVE WASTES
Quantity: 00080
Units: P - Pounds
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 100
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00020
Units: P - Pounds
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 100
Year: 1987

Document ID: NYA8072874
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID: 000000000
Trans2 State ID: 000000000
Generator Ship Date: 12/05/1988
Trans1 Recv Date: 12/05/1988
Trans2 Recv Date: / /
TSD Site Recv Date: 12/16/1988
Part A Recv Date: 01/18/1989
Part B Recv Date: 12/22/1988
Generator EPA ID: CAD028409019
Trans1 EPA ID: NYD980769947
Trans2 EPA ID: Not reported
TSDF ID: NYD000632372
Waste Code: D003 - NON-LISTED REACTIVE WASTES
Quantity: 00001
Units: P - Pounds
Number of Containers: 003
Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 100

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Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Waste Code: D003 - NON-LISTED REACTIVE WASTES
Quantity: 00004
Units: P - Pounds
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Waste Code: P030 - CYANIDES N.O.S.
Quantity: 00003
Units: K - Kilograms (2.2 pounds)
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 100
Year: 1988

Document ID: NYA8072883
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID: 000000000
Trans2 State ID: 000000000
Generator Ship Date: 12/05/1988
Trans1 Recv Date: 12/05/1988
Trans2 Recv Date: / /
TSD Site Recv Date: 12/16/1988
Part A Recv Date: 01/18/1989
Part B Recv Date: 12/22/1988
Generator EPA ID: CAD028409019
Trans1 EPA ID: NYD980769947
Trans2 EPA ID: Not reported
TSDF ID: NYD000632372
Waste Code: D002 - NON-LISTED CORROSIVE WASTES
Quantity: 00002
Units: L
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 100
Year: 1988

Document ID: NYB1508193
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID: CALL01260
Trans2 State ID: Not reported
Generator Ship Date: 06/12/1990
Trans1 Recv Date: 06/12/1990
Trans2 Recv Date: / /
TSD Site Recv Date: 06/28/1990
Part A Recv Date: 08/28/1990
Part B Recv Date: 08/06/1990
Generator EPA ID: CAD028409019
Trans1 EPA ID: NYD980769947
Trans2 EPA ID: Not reported
TSDF ID: NYD000632372
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00003

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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Units: P - Pounds
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 100
Year: 1990

WI MANIFEST:

Year: 2011
EPA ID: CAD028409019
FID: Not reported
ACT Code: 201
ACT Status: A
ACT Code 1: 201
ACT Name: HW Generator - Large
Contact Title: Not reported
Contact Name: Not reported
Contact Address: Not reported
Contact City/State/Zip: Not reported
Contact Telephone: Not reported
Contact EMail Address: Not reported

Shipped:

Year: 2011
Manifest Doc Id: 000189366WAS
Copy Type: TSDCOPY
Gen EPA ID: CAD028409019
Gen Date: 10/18/2011
GEN Copy Revd Date: Not reported
TSD Date: 10/28/2011
TSD EPA ID: WID988566543
TSD Copy Revd Date: 11/07/2011

Year: 2010
EPA ID: CAD028409019
FID: Not reported
ACT Code: 201
ACT Status: A
ACT Code 1: 201
ACT Name: HW Generator - Large
Contact Title: Not reported
Contact Name: Not reported
Contact Address: Not reported
Contact City/State/Zip: Not reported
Contact Telephone: Not reported
Contact EMail Address: Not reported

Shipped:

Year: 2010
Manifest Doc Id: 000189802WAS
Copy Type: TSDCOPY
Gen EPA ID: CAD028409019
Gen Date: 02/24/2010
GEN Copy Revd Date: Not reported
TSD Date: 03/10/2010

Map ID
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Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

TSD EPA ID: WID988566543
TSD Copy Revd Date: 04/07/2010

Year: 2009
EPA ID: CAD028409019
FID: Not reported
ACT Code: 201
ACT Status: A
ACT Code 1: 201
ACT Name: HW Generator - Large
Contact Title: Not reported
Contact Name: Not reported
Contact Address: Not reported
Contact City/State/Zip: Not reported
Contact Telephone: Not reported
Contact EMail Address: Not reported

Shipped:

Year: 2009
Manifest Doc Id: 000134655WAS
Copy Type: TSDCOPY
Gen EPA ID: CAD028409019
Gen Date: 01/05/2009
GEN Copy Revd Date: Not reported
TSD Date: 02/02/2009
TSD EPA ID: WID988566543
TSD Copy Revd Date: 04/01/2009

Year: 2009
Manifest Doc Id: 000134760WAS
Copy Type: TSDCOPY
Gen EPA ID: CAD028409019
Gen Date: 06/11/2009
GEN Copy Revd Date: Not reported
TSD Date: 06/24/2009
TSD EPA ID: WID988566543
TSD Copy Revd Date: 08/26/2009

Year: 2008
EPA ID: CAD028409019
FID: Not reported
ACT Code: 201
ACT Status: A
ACT Code 1: 201
ACT Name: HW Generator - Large
Contact Title: Not reported
Contact Name: Not reported
Contact Address: Not reported
Contact City/State/Zip: Not reported
Contact Telephone: Not reported
Contact EMail Address: Not reported

Year: 2007
EPA ID: CAD028409019

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

FID: 0
ACT Code: 201
ACT Status: A
ACT Code 1: 201
ACT Name: HW Generator - Large
Contact Title: Not reported
Contact Name: Not reported
Contact Address: Not reported
Contact City/State/Zip: 0
Contact Telephone: 0
Contact EMail Address: Not reported

Year: 2006
EPA ID: CAD028409019
FID: 0
ACT Code: 201
ACT Status: A
ACT Code 1: 201
ACT Name: HW Generator - Large
Contact Title: Not reported
Contact Name: Not reported
Contact Address: Not reported
Contact City/State/Zip: Not reported
Contact Telephone: Not reported
Contact EMail Address: Not reported

Year: 2005
EPA ID: CAD028409019
FID: 0
ACT Code: 201
ACT Status: A
ACT Code 1: 201
ACT Name: HW Generator - Large
Contact Title: Not reported
Contact Name: Not reported
Contact Address: Not reported
Contact City/State/Zip: 0
Contact Telephone: 0
Contact EMail Address: Not reported

SWEEPS UST:

Status: Active
Comp Number: 3057
Number: 9
Board Of Equalization: 44-013281
Referral Date: 07-01-85
Action Date: Not reported
Created Date: 02-29-88
Owner Tank Id: EQ#00473 1
SWRCB Tank Id: 19-060-003057-000001
Tank Status: A
Capacity: 8000
Active Date: 07-01-85
Tank Use: M.V. FUEL

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

STG: P
Content: REG UNLEADED
Number Of Tanks: 8

Status: Active
Comp Number: 3057
Number: 9
Board Of Equalization: 44-013281
Referral Date: 07-01-85
Action Date: Not reported
Created Date: 02-29-88
Owner Tank Id: 2 EQ#00474
SWRCB Tank Id: 19-060-003057-000002
Tank Status: A
Capacity: 9000
Active Date: 07-01-85
Tank Use: M.V. FUEL
STG: P
Content: DIESEL
Number Of Tanks: Not reported

Status: Active
Comp Number: 3057
Number: 9
Board Of Equalization: 44-013281
Referral Date: 07-01-85
Action Date: Not reported
Created Date: 02-29-88
Owner Tank Id: 3
SWRCB Tank Id: 19-060-003057-000003
Tank Status: A
Capacity: 1000
Active Date: 07-01-85
Tank Use: M.V. FUEL
STG: P
Content: DIESEL
Number Of Tanks: Not reported

Status: Active
Comp Number: 3057
Number: 9
Board Of Equalization: 44-013281
Referral Date: 07-01-85
Action Date: Not reported
Created Date: 02-29-88
Owner Tank Id: 4
SWRCB Tank Id: 19-060-003057-000004
Tank Status: A
Capacity: 1000
Active Date: 07-01-85
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Active
Comp Number: 3057

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Number: 9
Board Of Equalization: 44-013281
Referral Date: 07-01-85
Action Date: Not reported
Created Date: 02-29-88
Owner Tank Id: 5 EQ 00462
SWRCB Tank Id: 19-060-003057-000005
Tank Status: A
Capacity: 3000
Active Date: 07-01-85
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Active
Comp Number: 3057
Number: 9
Board Of Equalization: 44-013281
Referral Date: 07-01-85
Action Date: Not reported
Created Date: 02-29-88
Owner Tank Id: 6 EQ 00463
SWRCB Tank Id: 19-060-003057-000006
Tank Status: A
Capacity: 10000
Active Date: 07-01-85
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Active
Comp Number: 3057
Number: 9
Board Of Equalization: 44-013281
Referral Date: 07-01-85
Action Date: Not reported
Created Date: 02-29-88
Owner Tank Id: 7WASHDOWN
SWRCB Tank Id: 19-060-003057-000007
Tank Status: A
Capacity: 3000
Active Date: 07-01-85
Tank Use: OIL
STG: W
Content: WASTE OIL
Number Of Tanks: Not reported

Status: Active
Comp Number: 3057
Number: 9
Board Of Equalization: 44-013281
Referral Date: 07-01-85
Action Date: Not reported
Created Date: 02-29-88
Owner Tank Id: 9

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

SWRCB Tank Id: 19-060-003057-000008
Tank Status: A
Capacity: 550
Active Date: 07-01-85
Tank Use: OIL
STG: W
Content: WASTE OIL
Number Of Tanks: Not reported

HWP:

EPA Id: CAD028409019
Cleanup Status: OPERATING PERMIT
Latitude: 33.78818
Longitude: -118.2143
Facility Type: Permitted - Operating
Facility Size: Large Treatment
Team: PHILLIP BLUM
Supervisor: RICARDO GONZALEZ
Site Code: 400214
Assembly District: 70
Senate District: 33
Public Information Officer: Not reported

Activities:

EPA Id: CAD028409019
Facility Type: Permitted - Operating
Unit Names: CONTAIN10-Stor area (GPRA Unit), CONTAIN11-Stor area (GPRA Unit), CONTAIN5-Stor area (GPRA Unit), CONTAIN6-Stor area (GPRA Unit), CONTAIN7-Stor area (GPRA Unit), CONTAIN8-Stor area (GPRA Unit), CONTAIN9-Stor area (GPRA Unit), Container Storage Area 1 (GPRA Unit), Container Storage Area 2 (GPRA Unit), Container Storage Area 3 (GPRA Unit), Container Storage Area 4 (GPRA Unit), Filter Press (FP-1000) (GPRA Unit), OTHERTRT2-Paint Cons (GPRA Unit), OTHERTRT3-Can Crush (GPRA Unit), OTHERTRT4-Drum crush (GPRA Unit), TANKSTR1 (GPRA Unit), TANKSTR2 (GPRA Unit), TANKSTR3-Load dock (GPRA), TANKSTR4-Receiving (GPRA Unit), TANKSTR5-Receiving (GPRA Unit), TANKTRT1 (GPRA Unit)
Event Description: Renewal - No Changes - RESPONSE TO 1ST NOD RECEIVED
Actual Date: 03/04/2013

EPA Id: CAD028409019
Facility Type: Permitted - Operating
Unit Names: Container Storage Area 1 (GPRA Unit), Filter Press (FP-1000) (GPRA Unit), TANKSTR1 (GPRA Unit), TANKTRT1 (GPRA Unit)
Event Description: Renewal - With Changes - 2ND NOTICE OF DEFICIENCY ISSUED
Actual Date: 09/20/1991

EPA Id: CAD028409019
Facility Type: Permitted - Operating
Unit Names: CONTAIN10-Stor area (GPRA Unit), CONTAIN11-Stor area (GPRA Unit), CONTAIN5-Stor area (GPRA Unit), CONTAIN6-Stor area (GPRA Unit), CONTAIN7-Stor area (GPRA Unit), CONTAIN8-Stor area (GPRA Unit), CONTAIN9-Stor area (GPRA Unit), Container Storage Area 1 (GPRA Unit), Container Storage Area 2 (GPRA Unit), Container Storage Area 3 (GPRA Unit), Container Storage Area 4 (GPRA Unit), Filter Press (FP-1000) (GPRA Unit), OTHERTRT2-Paint Cons (GPRA Unit), OTHERTRT3-Can Crush (GPRA Unit), OTHERTRT4-Drum crush (GPRA Unit), TANKSTR1 (GPRA Unit), TANKSTR2 (GPRA Unit), TANKSTR3-Load dock (GPRA), TANKSTR4-Receiving

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Event Description: (GPRA Unit), TANKSTR5-Receiving (GPRA Unit), TANKTRT1 (GPRA Unit)
Actual Date: Renewal - No Changes - APPLICATION PART A RECEIVED
12/16/2002

EPA Id: CAD028409019
Facility Type: Permitted - Operating
Unit Names: Container Storage Area 1 (GPRA Unit), TANKSTR1 (GPRA Unit), TANKTRT1 (GPRA Unit)

Event Description: New Operating Permit - DRAFT PERMIT
Actual Date: 11/09/1984

EPA Id: CAD028409019
Facility Type: Permitted - Operating
Unit Names: CONTAIN10-Stor area (GPRA Unit), CONTAIN11-Stor area (GPRA Unit), CONTAIN5-Stor area (GPRA Unit), CONTAIN6-Stor area (GPRA Unit), CONTAIN7-Stor area (GPRA Unit), CONTAIN8-Stor area (GPRA Unit), CONTAIN9-Stor area (GPRA Unit), Container Storage Area 1 (GPRA Unit), Container Storage Area 2 (GPRA Unit), Container Storage Area 3 (GPRA Unit), Container Storage Area 4 (GPRA Unit), Filter Press (FP-1000) (GPRA Unit), OTHERTRT2-Paint Cons (GPRA Unit), OTHERTRT3-Can Crush (GPRA Unit), OTHERTRT4-Drum crush (GPRA Unit), TANKSTR1 (GPRA Unit), TANKSTR2 (GPRA Unit), TANKSTR3-Load dock (GPRA), TANKSTR4-Receiving (GPRA Unit), TANKSTR5-Receiving (GPRA Unit), TANKTRT1 (GPRA Unit)

Event Description: Renewal - No Changes - TECHNICAL COMPLETE LETTER
Actual Date: 03/05/2014

EPA Id: CAD028409019
Facility Type: Permitted - Operating
Unit Names: Container Storage Area 1 (GPRA Unit), TANKSTR1 (GPRA Unit), TANKTRT1 (GPRA Unit)

Event Description: New Operating Permit - CALL-IN LETTER ISSUED
Actual Date: 06/20/1983

EPA Id: CAD028409019
Facility Type: Permitted - Operating
Unit Names: CONTAIN10-Stor area (GPRA Unit), CONTAIN11-Stor area (GPRA Unit), CONTAIN5-Stor area (GPRA Unit), CONTAIN6-Stor area (GPRA Unit), CONTAIN7-Stor area (GPRA Unit), CONTAIN8-Stor area (GPRA Unit), CONTAIN9-Stor area (GPRA Unit), Container Storage Area 1 (GPRA Unit), Container Storage Area 2 (GPRA Unit), Container Storage Area 3 (GPRA Unit), Container Storage Area 4 (GPRA Unit), Filter Press (FP-1000) (GPRA Unit), OTHERTRT2-Paint Cons (GPRA Unit), OTHERTRT3-Can Crush (GPRA Unit), OTHERTRT4-Drum crush (GPRA Unit), TANKSTR1 (GPRA Unit), TANKSTR2 (GPRA Unit), TANKSTR3-Load dock (GPRA), TANKSTR4-Receiving (GPRA Unit), TANKSTR5-Receiving (GPRA Unit), TANKTRT1 (GPRA Unit)

Event Description: Renewal - No Changes - PUBLIC COMMENT (END)
Actual Date: 07/21/2014

EPA Id: CAD028409019
Facility Type: Permitted - Operating
Unit Names: Container Storage Area 1 (GPRA Unit), Filter Press (FP-1000) (GPRA Unit), TANKSTR1 (GPRA Unit), TANKTRT1 (GPRA Unit)

Event Description: Renewal - With Changes - PUBLIC COMMENT (END)
Actual Date: 04/09/1993

EPA Id: CAD028409019
Facility Type: Permitted - Operating

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Unit Names: Container Storage Area 1 (GPRA Unit), Filter Press (FP-1000) (GPRA Unit), TANKSTR1 (GPRA Unit), TANKTRT1 (GPRA Unit)
Event Description: Renewal - With Changes - PUBLIC COMMENT (PUBLIC HEARING)
Actual Date: 03/25/1993

EPA Id: CAD028409019
Facility Type: Permitted - Operating
Unit Names: Container Storage Area 1 (GPRA Unit), Filter Press (FP-1000) (GPRA Unit), TANKSTR1 (GPRA Unit), TANKTRT1 (GPRA Unit)
Event Description: Renewal - With Changes - FINAL PERMIT RENEWAL
Actual Date: 05/26/1993

EPA Id: CAD028409019
Facility Type: Permitted - Operating
Unit Names: CONTAIN10-Stor area (GPRA Unit), CONTAIN11-Stor area (GPRA Unit), CONTAIN5-Stor area (GPRA Unit), CONTAIN6-Stor area (GPRA Unit), CONTAIN7-Stor area (GPRA Unit), CONTAIN8-Stor area (GPRA Unit), CONTAIN9-Stor area (GPRA Unit), Container Storage Area 1 (GPRA Unit), Container Storage Area 2 (GPRA Unit), Container Storage Area 3 (GPRA Unit), Container Storage Area 4 (GPRA Unit), Filter Press (FP-1000) (GPRA Unit), OTHERTRT2-Paint Cons (GPRA Unit), OTHERTRT3-Can Crush (GPRA Unit), OTHERTRT4-Drum crush (GPRA Unit), TANKSTR1 (GPRA Unit), TANKSTR2 (GPRA Unit), TANKSTR3-Load dock (GPRA), TANKSTR4-Receiving (GPRA Unit), TANKSTR5-Receiving (GPRA Unit), TANKTRT1 (GPRA Unit)
Event Description: Renewal - No Changes - PUBLIC COMMENT (PUBLIC HEARING)
Actual Date: 05/01/2014

EPA Id: CAD028409019
Facility Type: Permitted - Operating
Unit Names: CONTAIN10-Stor area (GPRA Unit), CONTAIN11-Stor area (GPRA Unit), CONTAIN5-Stor area (GPRA Unit), CONTAIN6-Stor area (GPRA Unit), CONTAIN7-Stor area (GPRA Unit), CONTAIN8-Stor area (GPRA Unit), CONTAIN9-Stor area (GPRA Unit), Container Storage Area 1 (GPRA Unit), Container Storage Area 2 (GPRA Unit), Container Storage Area 3 (GPRA Unit), Container Storage Area 4 (GPRA Unit), Filter Press (FP-1000) (GPRA Unit), OTHERTRT2-Paint Cons (GPRA Unit), OTHERTRT3-Can Crush (GPRA Unit), OTHERTRT4-Drum crush (GPRA Unit), TANKSTR1 (GPRA Unit), TANKSTR2 (GPRA Unit), TANKSTR3-Load dock (GPRA), TANKSTR4-Receiving (GPRA Unit), TANKSTR5-Receiving (GPRA Unit), TANKTRT1 (GPRA Unit)
Event Description: Renewal - No Changes - CEQA DETERMINATION
Actual Date: 08/22/2014

EPA Id: CAD028409019
Facility Type: Permitted - Operating
Unit Names: Container Storage Area 1 (GPRA Unit), TANKSTR1 (GPRA Unit), TANKTRT1 (GPRA Unit)
Event Description: New Operating Permit - PUBLIC COMMENT (BEGIN)
Actual Date: 11/09/1984

EPA Id: CAD028409019
Facility Type: Permitted - Operating
Unit Names: Container Storage Area 1 (GPRA Unit), Filter Press (FP-1000) (GPRA Unit), TANKSTR1 (GPRA Unit), TANKTRT1 (GPRA Unit)
Event Description: Renewal - With Changes - FINAL PART A & PART B RECEIVED
Actual Date: 06/03/1992

EPA Id: CAD028409019

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Facility Type: Permitted - Operating
Unit Names: Container Storage Area 1 (GPRA Unit), TANKSTR1 (GPRA Unit), TANKTRT1 (GPRA Unit)
Event Description: New Operating Permit - FINAL PERMIT (EFFECTIVE)
Actual Date: 12/28/1984

EPA Id: CAD028409019
Facility Type: Permitted - Operating
Unit Names: CONTAIN10-Stor area (GPRA Unit), CONTAIN11-Stor area (GPRA Unit), CONTAIN5-Stor area (GPRA Unit), CONTAIN6-Stor area (GPRA Unit), CONTAIN7-Stor area (GPRA Unit), CONTAIN8-Stor area (GPRA Unit), CONTAIN9-Stor area (GPRA Unit), Container Storage Area 1 (GPRA Unit), Container Storage Area 2 (GPRA Unit), Container Storage Area 3 (GPRA Unit), Container Storage Area 4 (GPRA Unit), Filter Press (FP-1000) (GPRA Unit), OTHERTRT2-Paint Cons (GPRA Unit), OTHERTRT3-Can Crush (GPRA Unit), OTHERTRT4-Drum crush (GPRA Unit), TANKSTR1 (GPRA Unit), TANKSTR2 (GPRA Unit), TANKSTR3-Load dock (GPRA), TANKSTR4-Receiving (GPRA Unit), TANKSTR5-Receiving (GPRA Unit), TANKTRT1 (GPRA Unit)
Event Description: Renewal - No Changes - PUBLIC COMMENT (PUBLIC MEETING)
Actual Date: 05/01/2014

EPA Id: CAD028409019
Facility Type: Permitted - Operating
Unit Names: CONTAIN10-Stor area (GPRA Unit), CONTAIN11-Stor area (GPRA Unit), CONTAIN5-Stor area (GPRA Unit), CONTAIN6-Stor area (GPRA Unit), CONTAIN7-Stor area (GPRA Unit), CONTAIN8-Stor area (GPRA Unit), CONTAIN9-Stor area (GPRA Unit), Container Storage Area 1 (GPRA Unit), Container Storage Area 2 (GPRA Unit), Container Storage Area 3 (GPRA Unit), Container Storage Area 4 (GPRA Unit), Filter Press (FP-1000) (GPRA Unit), OTHERTRT2-Paint Cons (GPRA Unit), OTHERTRT3-Can Crush (GPRA Unit), OTHERTRT4-Drum crush (GPRA Unit), TANKSTR1 (GPRA Unit), TANKSTR2 (GPRA Unit), TANKSTR3-Load dock (GPRA), TANKSTR4-Receiving (GPRA Unit), TANKSTR5-Receiving (GPRA Unit), TANKTRT1 (GPRA Unit)
Event Description: Renewal - No Changes - FINAL PERMIT RENEWAL (EFFECTIVE)
Actual Date: 08/22/2014

EPA Id: CAD028409019
Facility Type: Permitted - Operating
Unit Names: CONTAIN10-Stor area (GPRA Unit), CONTAIN11-Stor area (GPRA Unit), CONTAIN5-Stor area (GPRA Unit), CONTAIN6-Stor area (GPRA Unit), CONTAIN7-Stor area (GPRA Unit), CONTAIN8-Stor area (GPRA Unit), CONTAIN9-Stor area (GPRA Unit), Container Storage Area 1 (GPRA Unit), Container Storage Area 2 (GPRA Unit), Container Storage Area 3 (GPRA Unit), Container Storage Area 4 (GPRA Unit), Filter Press (FP-1000) (GPRA Unit), OTHERTRT2-Paint Cons (GPRA Unit), OTHERTRT3-Can Crush (GPRA Unit), OTHERTRT4-Drum crush (GPRA Unit), TANKSTR1 (GPRA Unit), TANKSTR2 (GPRA Unit), TANKSTR3-Load dock (GPRA), TANKSTR4-Receiving (GPRA Unit), TANKSTR5-Receiving (GPRA Unit), TANKTRT1 (GPRA Unit)
Event Description: Renewal - No Changes - FINAL PERMIT RENEWAL
Actual Date: 08/22/2014

EPA Id: CAD028409019
Facility Type: Permitted - Operating
Unit Names: CONTAIN10-Stor area (GPRA Unit), CONTAIN11-Stor area (GPRA Unit), CONTAIN5-Stor area (GPRA Unit), CONTAIN6-Stor area (GPRA Unit), CONTAIN7-Stor area (GPRA Unit), CONTAIN8-Stor area (GPRA Unit), CONTAIN9-Stor area (GPRA Unit), Container Storage Area 1 (GPRA Unit),

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Event Description: Container Storage Area 2 (GPRA Unit), Container Storage Area 3 (GPRA Unit), Container Storage Area 4 (GPRA Unit), Filter Press (FP-1000) (GPRA Unit), OTHERTRT2-Paint Cons (GPRA Unit), OTHERTRT3-Can Crush (GPRA Unit), OTHERTRT4-Drum crush (GPRA Unit), TANKSTR1 (GPRA Unit), TANKSTR2 (GPRA Unit), TANKSTR3-Load dock (GPRA), TANKSTR4-Receiving (GPRA Unit), TANKSTR5-Receiving (GPRA Unit), TANKTRT1 (GPRA Unit)
Actual Date: Renewal - No Changes - FINAL CEQA
08/22/2014

EPA Id: CAD028409019
Facility Type: Permitted - Operating
Unit Names: CONTAIN10-Stor area (GPRA Unit), CONTAIN11-Stor area (GPRA Unit), CONTAIN5-Stor area (GPRA Unit), CONTAIN6-Stor area (GPRA Unit), CONTAIN7-Stor area (GPRA Unit), CONTAIN8-Stor area (GPRA Unit), CONTAIN9-Stor area (GPRA Unit), Container Storage Area 1 (GPRA Unit), Container Storage Area 2 (GPRA Unit), Container Storage Area 3 (GPRA Unit), Container Storage Area 4 (GPRA Unit), Filter Press (FP-1000) (GPRA Unit), OTHERTRT2-Paint Cons (GPRA Unit), OTHERTRT3-Can Crush (GPRA Unit), OTHERTRT4-Drum crush (GPRA Unit), TANKSTR1 (GPRA Unit), TANKSTR2 (GPRA Unit), TANKSTR3-Load dock (GPRA), TANKSTR4-Receiving (GPRA Unit), TANKSTR5-Receiving (GPRA Unit), TANKTRT1 (GPRA Unit)
Event Description: Renewal - No Changes - DRAFT PERMIT RENEWAL
Actual Date: 01/31/2014

EPA Id: CAD028409019
Facility Type: Permitted - Operating
Unit Names: Container Storage Area 1 (GPRA Unit), Filter Press (FP-1000) (GPRA Unit), TANKSTR1 (GPRA Unit), TANKTRT1 (GPRA Unit)
Event Description: Renewal - With Changes - DRAFT PERMIT RENEWAL
Actual Date: 02/23/1993

EPA Id: CAD028409019
Facility Type: Permitted - Operating
Unit Names: Container Storage Area 1 (GPRA Unit), Filter Press (FP-1000) (GPRA Unit), TANKSTR1 (GPRA Unit), TANKTRT1 (GPRA Unit)
Event Description: Renewal - With Changes - RESPONSE TO 2ND NOD RECEIVED
Actual Date: 03/09/1992

EPA Id: CAD028409019
Facility Type: Permitted - Operating
Unit Names: Container Storage Area 1 (GPRA Unit), TANKSTR1 (GPRA Unit), TANKTRT1 (GPRA Unit)
Event Description: New Operating Permit - PUBLIC COMMENT (END)
Actual Date: 01/03/1985

EPA Id: CAD028409019
Facility Type: Permitted - Operating
Unit Names: CONTAIN10-Stor area (GPRA Unit), CONTAIN11-Stor area (GPRA Unit), CONTAIN5-Stor area (GPRA Unit), CONTAIN6-Stor area (GPRA Unit), CONTAIN7-Stor area (GPRA Unit), CONTAIN8-Stor area (GPRA Unit), CONTAIN9-Stor area (GPRA Unit), Container Storage Area 1 (GPRA Unit), Container Storage Area 2 (GPRA Unit), Container Storage Area 3 (GPRA Unit), Container Storage Area 4 (GPRA Unit), Filter Press (FP-1000) (GPRA Unit), OTHERTRT2-Paint Cons (GPRA Unit), OTHERTRT3-Can Crush (GPRA Unit), OTHERTRT4-Drum crush (GPRA Unit), TANKSTR1 (GPRA Unit), TANKSTR2 (GPRA Unit), TANKSTR3-Load dock (GPRA), TANKSTR4-Receiving (GPRA Unit), TANKSTR5-Receiving (GPRA Unit), TANKTRT1 (GPRA Unit)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Event Description:	Renewal - No Changes - ADMINISTRATIVE REVIEW COMPLETE
Actual Date:	01/14/2003
EPA Id:	CAD028409019
Facility Type:	Permitted - Operating
Unit Names:	CONTAIN10-Stor area (GPRA Unit), CONTAIN11-Stor area (GPRA Unit), CONTAIN5-Stor area (GPRA Unit), CONTAIN6-Stor area (GPRA Unit), CONTAIN7-Stor area (GPRA Unit), CONTAIN8-Stor area (GPRA Unit), CONTAIN9-Stor area (GPRA Unit), Container Storage Area 1 (GPRA Unit), Container Storage Area 2 (GPRA Unit), Container Storage Area 3 (GPRA Unit), Container Storage Area 4 (GPRA Unit), Filter Press (FP-1000) (GPRA Unit), OTHERTRT2-Paint Cons (GPRA Unit), OTHERTRT3-Can Crush (GPRA Unit), OTHERTRT4-Drum crush (GPRA Unit), TANKSTR1 (GPRA Unit), TANKSTR2 (GPRA Unit), TANKSTR3-Load dock (GPRA), TANKSTR4-Receiving (GPRA Unit), TANKSTR5-Receiving (GPRA Unit), TANKTRT1 (GPRA Unit)
Event Description:	Renewal - No Changes - PUBLIC COMMENT (BEGIN)
Actual Date:	03/26/2014
EPA Id:	CAD028409019
Facility Type:	Permitted - Operating
Unit Names:	CONTAIN10-Stor area (GPRA Unit), CONTAIN11-Stor area (GPRA Unit), CONTAIN5-Stor area (GPRA Unit), CONTAIN6-Stor area (GPRA Unit), CONTAIN7-Stor area (GPRA Unit), CONTAIN8-Stor area (GPRA Unit), CONTAIN9-Stor area (GPRA Unit), Container Storage Area 1 (GPRA Unit), Container Storage Area 2 (GPRA Unit), Container Storage Area 3 (GPRA Unit), Container Storage Area 4 (GPRA Unit), Filter Press (FP-1000) (GPRA Unit), OTHERTRT2-Paint Cons (GPRA Unit), OTHERTRT3-Can Crush (GPRA Unit), OTHERTRT4-Drum crush (GPRA Unit), TANKSTR1 (GPRA Unit), TANKSTR2 (GPRA Unit), TANKSTR3-Load dock (GPRA), TANKSTR4-Receiving (GPRA Unit), TANKSTR5-Receiving (GPRA Unit), TANKTRT1 (GPRA Unit)
Event Description:	Renewal - No Changes - FINAL PERMIT RENEWAL (EXPIRES)
Actual Date:	08/21/2024
EPA Id:	CAD028409019
Facility Type:	Permitted - Operating
Unit Names:	Container Storage Area 1 (GPRA Unit), Filter Press (FP-1000) (GPRA Unit), TANKSTR1 (GPRA Unit), TANKTRT1 (GPRA Unit)
Event Description:	Renewal - With Changes - PUBLIC COMMENT (BEGIN)
Actual Date:	02/23/1993
EPA Id:	CAD028409019
Facility Type:	Permitted - Operating
Unit Names:	CONTAIN10-Stor area (GPRA Unit), CONTAIN11-Stor area (GPRA Unit), CONTAIN5-Stor area (GPRA Unit), CONTAIN6-Stor area (GPRA Unit), CONTAIN7-Stor area (GPRA Unit), CONTAIN8-Stor area (GPRA Unit), CONTAIN9-Stor area (GPRA Unit), Container Storage Area 1 (GPRA Unit), Container Storage Area 2 (GPRA Unit), Container Storage Area 3 (GPRA Unit), Container Storage Area 4 (GPRA Unit), Filter Press (FP-1000) (GPRA Unit), OTHERTRT2-Paint Cons (GPRA Unit), OTHERTRT3-Can Crush (GPRA Unit), OTHERTRT4-Drum crush (GPRA Unit), TANKSTR1 (GPRA Unit), TANKSTR2 (GPRA Unit), TANKSTR3-Load dock (GPRA), TANKSTR4-Receiving (GPRA Unit), TANKSTR5-Receiving (GPRA Unit), TANKTRT1 (GPRA Unit)
Event Description:	Renewal - No Changes - DISCLOSURE (CLEARED)
Actual Date:	01/16/2009
EPA Id:	CAD028409019
Facility Type:	Permitted - Operating

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Unit Names: CONTAIN10-Stor area (GPRA Unit), CONTAIN11-Stor area (GPRA Unit), CONTAIN5-Stor area (GPRA Unit), CONTAIN6-Stor area (GPRA Unit), CONTAIN7-Stor area (GPRA Unit), CONTAIN8-Stor area (GPRA Unit), CONTAIN9-Stor area (GPRA Unit), Container Storage Area 1 (GPRA Unit), Container Storage Area 2 (GPRA Unit), Container Storage Area 3 (GPRA Unit), Container Storage Area 4 (GPRA Unit), Filter Press (FP-1000) (GPRA Unit), OTHERTRT2-Paint Cons (GPRA Unit), OTHERTRT3-Can Crush (GPRA Unit), OTHERTRT4-Drum crush (GPRA Unit), TANKSTR1 (GPRA Unit), TANKSTR2 (GPRA Unit), TANKSTR3-Load dock (GPRA), TANKSTR4-Receiving (GPRA Unit), TANKSTR5-Receiving (GPRA Unit), TANKTRT1 (GPRA Unit)

Event Description: Renewal - No Changes - DRAFT CEQA
Actual Date: 03/26/2014

EPA Id: CAD028409019
Facility Type: Permitted - Operating
Unit Names: Container Storage Area 1 (GPRA Unit), Filter Press (FP-1000) (GPRA Unit), TANKSTR1 (GPRA Unit), TANKTRT1 (GPRA Unit)

Event Description: Renewal - With Changes - 1ST NOTICE OF DEFICIENCY ISSUED
Actual Date: 04/10/1991

EPA Id: CAD028409019
Facility Type: Permitted - Operating
Unit Names: Container Storage Area 1 (GPRA Unit), Filter Press (FP-1000) (GPRA Unit), TANKSTR1 (GPRA Unit), TANKTRT1 (GPRA Unit)

Event Description: Renewal - With Changes - APPLICATION PART B RECEIVED
Actual Date: 05/16/1990

EPA Id: CAD028409019
Facility Type: Permitted - Operating
Unit Names: Container Storage Area 1 (GPRA Unit), TANKSTR1 (GPRA Unit), TANKTRT1 (GPRA Unit)

Event Description: New Operating Permit - FINAL PERMIT (EXPIRES)
Actual Date: 12/28/1989

EPA Id: CAD028409019
Facility Type: Permitted - Operating
Unit Names: Container Storage Area 1 (GPRA Unit), TANKSTR1 (GPRA Unit), TANKTRT1 (GPRA Unit)

Event Description: New Operating Permit - FINAL PERMIT
Actual Date: 12/28/1984

EPA Id: CAD028409019
Facility Type: Permitted - Operating
Unit Names: CONTAIN10-Stor area (GPRA Unit), CONTAIN11-Stor area (GPRA Unit), CONTAIN5-Stor area (GPRA Unit), CONTAIN6-Stor area (GPRA Unit), CONTAIN7-Stor area (GPRA Unit), CONTAIN8-Stor area (GPRA Unit), CONTAIN9-Stor area (GPRA Unit), Container Storage Area 1 (GPRA Unit), Container Storage Area 2 (GPRA Unit), Container Storage Area 3 (GPRA Unit), Container Storage Area 4 (GPRA Unit), Filter Press (FP-1000) (GPRA Unit), OTHERTRT2-Paint Cons (GPRA Unit), OTHERTRT3-Can Crush (GPRA Unit), OTHERTRT4-Drum crush (GPRA Unit), TANKSTR1 (GPRA Unit), TANKSTR2 (GPRA Unit), TANKSTR3-Load dock (GPRA), TANKSTR4-Receiving (GPRA Unit), TANKSTR5-Receiving (GPRA Unit), TANKTRT1 (GPRA Unit)

Event Description: Renewal - No Changes - APPLICATION PART B RECEIVED
Actual Date: 12/16/2002

EPA Id: CAD028409019

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Facility Type: Permitted - Operating
Unit Names: Container Storage Area 1 (GPRA Unit), Filter Press (FP-1000) (GPRA Unit), TANKSTR1 (GPRA Unit), TANKTRT1 (GPRA Unit)
Event Description: Renewal - With Changes - FINAL PERMIT RENEWAL (EFFECTIVE)
Actual Date: 05/26/1993

EPA Id: CAD028409019
Facility Type: Permitted - Operating
Unit Names: CONTAIN10-Stor area (GPRA Unit), CONTAIN11-Stor area (GPRA Unit), CONTAIN5-Stor area (GPRA Unit), CONTAIN6-Stor area (GPRA Unit), CONTAIN7-Stor area (GPRA Unit), CONTAIN8-Stor area (GPRA Unit), CONTAIN9-Stor area (GPRA Unit), Container Storage Area 1 (GPRA Unit), Container Storage Area 2 (GPRA Unit), Container Storage Area 3 (GPRA Unit), Container Storage Area 4 (GPRA Unit), Filter Press (FP-1000) (GPRA Unit), OTHERTRT2-Paint Cons (GPRA Unit), OTHERTRT3-Can Crush (GPRA Unit), OTHERTRT4-Drum crush (GPRA Unit), TANKSTR1 (GPRA Unit), TANKSTR2 (GPRA Unit), TANKSTR3-Load dock (GPRA), TANKSTR4-Receiving (GPRA Unit), TANKSTR5-Receiving (GPRA Unit), TANKTRT1 (GPRA Unit)
Event Description: Renewal - No Changes - CALL-IN LETTER ISSUED
Actual Date: 12/21/2001

EPA Id: CAD028409019
Facility Type: Permitted - Operating
Unit Names: Container Storage Area 1 (GPRA Unit), Filter Press (FP-1000) (GPRA Unit), TANKSTR1 (GPRA Unit), TANKTRT1 (GPRA Unit)
Event Description: Renewal - With Changes - FINAL PERMIT RENEWAL (EXPIRES)
Actual Date: 05/26/2003

EPA Id: CAD028409019
Facility Type: Permitted - Operating
Unit Names: CONTAIN10-Stor area (GPRA Unit), CONTAIN11-Stor area (GPRA Unit), CONTAIN5-Stor area (GPRA Unit), CONTAIN6-Stor area (GPRA Unit), CONTAIN7-Stor area (GPRA Unit), CONTAIN8-Stor area (GPRA Unit), CONTAIN9-Stor area (GPRA Unit), Container Storage Area 1 (GPRA Unit), Container Storage Area 2 (GPRA Unit), Container Storage Area 3 (GPRA Unit), Container Storage Area 4 (GPRA Unit), Filter Press (FP-1000) (GPRA Unit), OTHERTRT2-Paint Cons (GPRA Unit), OTHERTRT3-Can Crush (GPRA Unit), OTHERTRT4-Drum crush (GPRA Unit), TANKSTR1 (GPRA Unit), TANKSTR2 (GPRA Unit), TANKSTR3-Load dock (GPRA), TANKSTR4-Receiving (GPRA Unit), TANKSTR5-Receiving (GPRA Unit), TANKTRT1 (GPRA Unit)
Event Description: Renewal - No Changes - 1ST NOTICE OF DEFICIENCY ISSUED
Actual Date: 05/06/2009

Alias:
EPA Id: CAD028409019
Facility Type: Permitted - Operating
Alias Type: Project Code (Site Code)
Alias: 400214

US FIN ASSUR:
EPA ID: CAD028409019
Provider: STEADFAST INSURANCE CO.
EPA region: 9
County: LOS ANGELES
Mechanism type: INSURANCE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Mechanism ID: EPC9006559-06
Cost estimate: 2000000
Face value: 8000000
Effective date: 11/20/2009

EPA ID: CAD028409019
Provider: STEADFAST INSURANCE CO.
EPA region: 9
County: LOS ANGELES
Mechanism type: INSURANCE
Mechanism ID: SSP1523719-10
Cost estimate: 8000000
Face value: 8000000
Effective date: 11/20/2010

EPA ID: CAD028409019
Provider: U.S. BANK
EPA region: 9
County: LOS ANGELES
Mechanism type: TRUST FUND (FULLY FUNDED)
Mechanism ID: 94616560
Cost estimate: 171053.39
Face value: 910894
Effective date: 3/31/2011

EPA ID: CAD028409019
Provider: U.S. BANK
EPA region: 9
County: LOS ANGELES
Mechanism type: TRUST FUND (FULLY FUNDED)
Mechanism ID: 94616560
Cost estimate: 729130.95
Face value: 910894
Effective date: 3/31/2011

2020 COR ACTION:
EPA ID: CAD028409019
Region: 9
Action: Not reported

AQ220
WNW
1/2-1
0.575 mi.
3034 ft.
CROSBY & OVERTON PLANT 1
1630 W 17TH ST
LONG BEACH, CA 90813
Site 2 of 2 in cluster AQ

CA NPDES
CA ENVIROSTOR
CA WDS
S103957863
N/A

Relative:
Lower
Actual:
11 ft.
NPDES:
Npdes Number: CAS000001
Facility Status: Active
Agency Id: 0
Region: 4
Regulatory Measure Id: 188994
Order No: 97-03-DWQ
Regulatory Measure Type: Enrollee
Place Id: Not reported
WDID: 4 19I002578
Program Type: Industrial

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON PLANT 1 (Continued)

S103957863

Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	04/01/1992
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Crosby & Overton
Discharge Address:	1610 W 17th St
Discharge City:	Long Beach
Discharge State:	California
Discharge Zip:	90813
RECEIVED DATE:	Not reported
PROCESSED DATE:	Not reported
STATUS CODE NAME:	Not reported
STATUS DATE:	Not reported
PLACE SIZE:	Not reported
PLACE SIZE UNIT:	Not reported
FACILITY CONTACT NAME:	Not reported
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	Not reported
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	Not reported
OPERATOR ADDRESS:	Not reported
OPERATOR CITY:	Not reported
OPERATOR STATE:	Not reported
OPERATOR ZIP:	Not reported
OPERATOR CONTACT NAME:	Not reported
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	Not reported
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Not reported
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	Not reported
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON PLANT 1 (Continued)

S103957863

DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported
Npdes Number:	Not reported
Facility Status:	Not reported
Agency Id:	Not reported
Region:	4
Regulatory Measure Id:	188994
Order No:	Not reported
Regulatory Measure Type:	Industrial
Place Id:	Not reported
WDID:	4 19I002578
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
RECEIVED DATE:	05/09/2008
PROCESSED DATE:	04/01/1992
STATUS CODE NAME:	Active
STATUS DATE:	04/01/1992
PLACE SIZE:	70000
PLACE SIZE UNIT:	SqFt
FACILITY CONTACT NAME:	LARRY Boyle
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	5624325445
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	Crosby & Overton
OPERATOR ADDRESS:	1610 W 17th St
OPERATOR CITY:	Long Beach
OPERATOR STATE:	California
OPERATOR ZIP:	90813
OPERATOR CONTACT NAME:	Michael Shloub
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	562-432-5445
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Private Business
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	California
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON PLANT 1 (Continued)

S103957863

CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	562-432-5445
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESCRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	Los Angeles River
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	4953-Refuse Systems
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported

ENVIROSTOR:

Facility ID:	80001355
Status:	Active
Status Date:	01/01/2008
Site Code:	400214
Site Type:	Corrective Action
Site Type Detailed:	Corrective Action
Acres:	0
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	WM
Program Manager:	Not reported
Supervisor:	Farshad Vakili
Division Branch:	Office of Permitting
Assembly:	70
Senate:	33
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	33.78785
Longitude:	-118.2145
APN:	7432008046
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	7432008046
Alias Type:	APN

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON PLANT 1 (Continued)

S103957863

Alias Name: CAD028409019
Alias Type: EPA Identification Number
Alias Name: 400214
Alias Type: Project Code (Site Code)
Alias Name: 80001355
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RCRA Facility Assessment Report
Completed Date: 07/25/1988
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 08/01/1988
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 06/01/1984
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Interim Measures Questionnaire
Completed Date: 02/24/1993
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Groundwater Migration Controlled
Completed Date: 08/20/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Human Exposure Controlled
Completed Date: 08/20/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedy Constructed
Completed Date: 08/20/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Agreement
Completed Date: 01/01/2000
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON PLANT 1 (Continued)

S103957863

Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

WDS:

Facility ID: 4 19I002578
Facility Type: Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number: CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion: 4
Facility Telephone: 5624325445
Facility Contact: LARRY BOYLE
Agency Name: CROSBY & OVERTON INC
Agency Address: 1610 W 17th St
Agency City,St,Zip: Long Beach 908131295
Agency Contact: ROBERT DENT
Agency Telephone: 3104325445
Agency Type: Private
SIC Code: 0
SIC Code 2: Not reported
Primary Waste Type: Not reported
Primary Waste: Not reported
Waste Type2: Not reported
Waste2: Not reported
Primary Waste Type: Not reported
Secondary Waste: Not reported
Secondary Waste Type: Not reported
Design Flow: 0
Baseline Flow: 0
Reclamation: Not reported
POTW: Not reported
Treat To Water: Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity: Category C - Facilities having no waste treatment systems, such as cooling water dischargers or those who must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

221
WSW
1/2-1
0.576 mi.
3041 ft.

LONG BEACH PLATING CO INC
1620 WEST ANAHEIM STREET
LONG BEACH, CA 90813

CA EMI
CA ENVIROSTOR
S106834673
N/A

Relative:
Lower

EMI:

Year: 1990
County Code: 19
Air Basin: SC
Facility ID: 17339
Air District Name: SC
SIC Code: 3471
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers & Smllr Tons/Yr: 0

Actual:
8 ft.

ENVIROSTOR:

Facility ID: 71002202
Status: Refer: Other Agency
Status Date: Not reported
Site Code: Not reported
Site Type: Tiered Permit
Site Type Detailed: Tiered Permit
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Not reported
Division Branch: Cleanup Chatsworth
Assembly: 70
Senate: 33
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 33.7824
Longitude: -118.2142
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAD008344038
Alias Type: EPA Identification Number
Alias Name: 110002632900
Alias Type: EPA (FRS #)
Alias Name: 71002202
Alias Type: Envirostor ID Number

Completed Info:

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LONG BEACH PLATING CO INC (Continued)

S106834673

Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

222
NW
1/2-1
0.697 mi.
3682 ft.

**LBUSD CABRILLO
2001 SANTA FE AVE
LONG BEACH, CA 90813**

**RCRA-SQG
FINDS
CA SCH
CA NPDES
CA ENVIROSTOR**

**1001815708
CAR000059469**

**Relative:
Higher**

RCRA-SQG:

**Actual:
14 ft.**

Date form received by agency: 11/22/1999
Facility name: LBUSD CABRILLO
Facility address: 2001 SANTA FE AVE
LONG BEACH, CA 90813
EPA ID: CAR000059469
Mailing address: 2425 WEBSTER AVE
LONG BEACH, CA 90810
Contact: JOSEPH RASCH
Contact address: 2425 WEBSTER AVE
LONG BEACH, CA 90810
Contact country: US
Contact telephone: (562) 426-4307
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: LONG BEACH UNIFIED SCHOOL DISTRICT
Owner/operator address: 1515 HUGHES WAY
LONG BEACH, CA 90810
Owner/operator country: Not reported
Owner/operator telephone: (562) 997-8000
Legal status: District
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LBUSD CABRILLO (Continued)

1001815708

Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: D000
. Waste name: Not Defined

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

Violation Status: No violations found

FINDS:

Registry ID: 110002931150

Environmental Interest/Information System

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

SCH:

Facility ID: 19010025
Site Type: School Investigation
Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED
Acres: 40
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LBUSD CABRILLO (Continued)

1001815708

Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Not reported
Supervisor: Mark Malinowski
Division Branch: Southern California Schools & Brownfields Outreach
Site Code: 404279
Assembly: 70
Senate: 33
Special Program Status: Not reported
Status: No Further Action
Status Date: 11/13/2001
Restricted Use: NO
Funding: School District
Latitude: 33.79299
Longitude: -118.2145
APN: NONE SPECIFIED
Past Use: AGRICULTURAL - ROW CROPS
Potential COC: Arsenic, DDD, DDE, DDT, Lead
Confirmed COC: NONE SPECIFIED
Potential Description: SOIL
Alias Name: JUAN RODRIGUEZ CABRILLO HIGH SCH00L
Alias Type: Alternate Name
Alias Name: LONG BEACH UNIFIED SCHOOL DISTRICT
Alias Type: Alternate Name
Alias Name: LONG BEACH USD-CABRILLO HIGH/CDE
Alias Type: Alternate Name
Alias Name: LONG BEACH USD-J RODRIGUEZ CABRILLO HS
Alias Type: Alternate Name
Alias Name: 404058
Alias Type: Project Code (Site Code)
Alias Name: 404279
Alias Type: Project Code (Site Code)
Alias Name: 19010025
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 04/04/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 11/13/2001
Comments: DTSC approved the Preliminary Endangerment Assessment (PEA). Based on the information presented in the PEA, neither an actual a potential release of hazardous material, nor the presence of naturally occurring hazardous material indicated at the site pose threat to human health or the environment under any land use. Therefore, DTSC concurred that no further environmental investigation or cleanup was required at this site, and approved the PEA.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 04/04/2000
Comments: Phase 1 - Pursuant to an agreement between the Department of Toxi

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LBUSD CABRILLO (Continued)

1001815708

Substances Control (DTSC) and the California Department of Education, DTSC's Site Mitigation Program completed a review of a Phase 1 Environmental Assessment and has determined that a Preliminary Endangerment Assessment is required. The PEA will be Conducted under DTSC's oversight pursuant to agreements between DTSC and the pertinent school district. Any subsequent cleanup Activities (if needed) after the PEA would be conducted pursuant to agreements between DTSC and the School District.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 11/01/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 04/22/2003
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

NPDES:

Npdes Number: CAS000002
Facility Status: Terminated
Agency Id: 0
Region: 4
Regulatory Measure Id: 428740
Order No: 2009-0009-DWQ
Regulatory Measure Type: Enrollee
Place Id: Not reported
WDID: 4 19C364444
Program Type: Construction
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: 08/24/2012
Expiration Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: 01/06/2014
Discharge Name: Long Beach Unified School District
Discharge Address: 2425 Webster Avenue
Discharge City: Long Beach
Discharge State: California
Discharge Zip: 90810
RECEIVED DATE: Not reported
PROCESSED DATE: Not reported
STATUS CODE NAME: Not reported
STATUS DATE: Not reported
PLACE SIZE: Not reported
PLACE SIZE UNIT: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LBUSD CABRILLO (Continued)

1001815708

FACILITY CONTACT NAME:	Not reported
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	Not reported
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	Not reported
OPERATOR ADDRESS:	Not reported
OPERATOR CITY:	Not reported
OPERATOR STATE:	Not reported
OPERATOR ZIP:	Not reported
OPERATOR CONTACT NAME:	Not reported
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	Not reported
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Not reported
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	Not reported
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported
Npdes Number:	Not reported
Facility Status:	Not reported
Agency Id:	Not reported
Region:	4
Regulatory Measure Id:	428740
Order No:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LBUSD CABRILLO (Continued)

1001815708

Regulatory Measure Type:	Construction
Place Id:	Not reported
WDID:	4 19C364444
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	01/06/2014
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
RECEIVED DATE:	07/12/2012
PROCESSED DATE:	08/24/2012
STATUS CODE NAME:	Terminated
STATUS DATE:	02/18/2014
PLACE SIZE:	2.3
PLACE SIZE UNIT:	Acres
FACILITY CONTACT NAME:	Frank Navarro
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	562-838-5209
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	fnavarro@lbschools.net
OPERATOR NAME:	Long Beach Unified School District
OPERATOR ADDRESS:	2425 Webster Avenue
OPERATOR CITY:	Long Beach
OPERATOR STATE:	California
OPERATOR ZIP:	90810
OPERATOR CONTACT NAME:	Frank Navarro
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	562-838-5209
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	fnavarro@lbschools.net
OPERATOR TYPE:	Special District
DEVELOPER NAME:	C W Driver
DEVELOPER ADDRESS:	468 N Rosemead Blvd
DEVELOPER CITY:	Pasadena
DEVELOPER STATE:	California
DEVELOPER ZIP:	91107
DEVELOPER CONTACT NAME:	Mike Morrell
DEVELOPER CONTACT TITLE:	Project Manager
CONSTYPE LINEAR UTILITY IND:	N
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Y
CONSTYPE RESIDENTIAL IND:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LBUSD CABRILLO (Continued)

1001815708

CONSTYPE TRANSPORT IND: Not reported
CONSTYPE UTILITY DESCRIPTION: Not reported
CONSTYPE UTILITY IND: Not reported
CONSTYPE WATER SEWER IND: Not reported
DIR DISCHARGE USWATER IND: N
RECEIVING WATER NAME: Not reported
CERTIFIER NAME: Vince Marchetti
CERTIFIER TITLE: Not reported
CERTIFICATION DATE: 12-JUL-12
PRIMARY SIC: Not reported
SECONDARY SIC: Not reported
TERTIARY SIC: Not reported

ENVIROSTOR:

Facility ID: 19010025
Status: No Further Action
Status Date: 11/13/2001
Site Code: 404279
Site Type: School Investigation
Site Type Detailed: School
Acres: 40
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Not reported
Supervisor: Mark Malinowski
Division Branch: Southern California Schools & Brownfields Outreach
Assembly: 70
Senate: 33
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: School District
Latitude: 33.79299
Longitude: -118.2145
APN: NONE SPECIFIED
Past Use: AGRICULTURAL - ROW CROPS
Potential COC: Arsenic DDD DDE DDT Lead
Confirmed COC: NONE SPECIFIED
Potential Description: SOIL
Alias Name: JUAN RODRIGUEZ CABRILLO HIGH SCH00L
Alias Type: Alternate Name
Alias Name: LONG BEACH UNIFIED SCHOOL DISTRICT
Alias Type: Alternate Name
Alias Name: LONG BEACH USD-CABRILLO HIGH/CDE
Alias Type: Alternate Name
Alias Name: LONG BEACH USD-J RODRIGUEZ CABRILLO HS
Alias Type: Alternate Name
Alias Name: 404058
Alias Type: Project Code (Site Code)
Alias Name: 404279
Alias Type: Project Code (Site Code)
Alias Name: 19010025
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LBUSD CABRILLO (Continued)

1001815708

Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 04/04/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 11/13/2001
Comments: DTSC approved the Preliminary Endangerment Assessment (PEA). Based on the information presented in the PEA, neither an actual a potential release of hazardous material, nor the presence of naturally occurring hazardous material indicated at the site pose threat to human health or the environment under any land use. Therefore, DTSC concurred that no further environmental investigation or cleanup was required at this site, and approved the PEA.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 04/04/2000
Comments: Phase 1 - Pursuant to an agreement between the Department of Toxic Substances Control (DTSC) and the California Department of Education, DTSC's Site Mitigation Program completed a review of a Phase 1 Environmental Assessment and has determined that a Preliminary Endangerment Assessment is required. The PEA will be Conducted under DTSC's oversight pursuant to agreements between DTSC and the pertinent school district. Any subsequent cleanup Activities (if needed) after the PEA would be conducted pursuant to agreements between DTSC and the School District.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 11/01/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 04/22/2003
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

223
West
1/2-1
0.704 mi.
3715 ft.

QUALITY ALUMINUM FORGE
1411 COTA AVE.
LONG BEACH, CA 92807

CA ENVIROSTOR

S108217516
N/A

Relative:
Lower

ENVIROSTOR:

Actual:
8 ft.

Facility ID: 71002791
Status: Refer: Other Agency
Status Date: Not reported
Site Code: Not reported
Site Type: Tiered Permit
Site Type Detailed: Tiered Permit
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Not reported
Division Branch: Cleanup Chatsworth
Assembly: 70
Senate: 33
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 33.78396
Longitude: -118.2168
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAL000290855
Alias Type: EPA Identification Number
Alias Name: 71002791
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

224
WSW
1/2-1
0.818 mi.
4318 ft.

1710 PIER B STREET
1710 PIER B STREET
LONG BEACH, CA 90813

CA NPDES
CA VCP
CA EMI
CA ENVIROSTOR

S105938210
N/A

Relative:
Lower

Actual:
5 ft.

NPDES:
Npdes Number: CAS000002
Facility Status: Active
Agency Id: 0
Region: 4
Regulatory Measure Id: 443261
Order No: 2009-0009-DWQ
Regulatory Measure Type: Enrollee
Place Id: Not reported
WDID: 4 19C368508
Program Type: Construction
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: 12/17/2013
Expiration Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported
Discharge Name: Baker Commodities Incorporated
Discharge Address: 4020 Bandini Blvd
Discharge City: Vernon
Discharge State: California
Discharge Zip: 90058
RECEIVED DATE: Not reported
PROCESSED DATE: Not reported
STATUS CODE NAME: Not reported
STATUS DATE: Not reported
PLACE SIZE: Not reported
PLACE SIZE UNIT: Not reported
FACILITY CONTACT NAME: Not reported
FACILITY CONTACT TITLE: Not reported
FACILITY CONTACT PHONE: Not reported
FACILITY CONTACT PHONE EXT: Not reported
FACILITY CONTACT EMAIL: Not reported
OPERATOR NAME: Not reported
OPERATOR ADDRESS: Not reported
OPERATOR CITY: Not reported
OPERATOR STATE: Not reported
OPERATOR ZIP: Not reported
OPERATOR CONTACT NAME: Not reported
OPERATOR CONTACT TITLE: Not reported
OPERATOR CONTACT PHONE: Not reported
OPERATOR CONTACT PHONE EXT: Not reported
OPERATOR CONTACT EMAIL: Not reported
OPERATOR TYPE: Not reported
DEVELOPER NAME: Not reported
DEVELOPER ADDRESS: Not reported
DEVELOPER CITY: Not reported
DEVELOPER STATE: Not reported
DEVELOPER ZIP: Not reported
DEVELOPER CONTACT NAME: Not reported
DEVELOPER CONTACT TITLE: Not reported
CONSTYPE LINEAR UTILITY IND: Not reported
EMERGENCY PHONE NO: Not reported
EMERGENCY PHONE EXT: Not reported
CONSTYPE ABOVE GROUND IND: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

1710 PIER B STREET (Continued)

S105938210

CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESCRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported
Npdes Number:	Not reported
Facility Status:	Not reported
Agency Id:	Not reported
Region:	4
Regulatory Measure Id:	352558
Order No:	Not reported
Regulatory Measure Type:	Industrial
Place Id:	Not reported
WDID:	4 19I021826
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	04/18/2013
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
RECEIVED DATE:	09/23/2008
PROCESSED DATE:	09/25/2008
STATUS CODE NAME:	Terminated
STATUS DATE:	08/22/2013
PLACE SIZE:	12.6
PLACE SIZE UNIT:	Acres
FACILITY CONTACT NAME:	William B Terry
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	510-231-2201
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	Cemera Long Beach LLC
OPERATOR ADDRESS:	700 Wright Ave
OPERATOR CITY:	Richmond

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

1710 PIER B STREET (Continued)

S105938210

OPERATOR STATE:	California
OPERATOR ZIP:	94804
OPERATOR CONTACT NAME:	William B Terry
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	510-231-2201
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Private Business
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	California
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Y
RECEIVING WATER NAME:	Pacifi
CERTIFIER NAME:	william Terry
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	21-FEB-13
PRIMARY SIC:	2491-Wood Preserving
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported
Npdes Number:	CAS000001
Facility Status:	Terminated
Agency Id:	0
Region:	4
Regulatory Measure Id:	352558
Order No:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place Id:	Not reported
WDID:	4 19I021826
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	09/25/2008
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	04/18/2013

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

1710 PIER B STREET (Continued)

S105938210

Discharge Name:	Cemera Long Beach LLC
Discharge Address:	700 Wright Ave
Discharge City:	Richmond
Discharge State:	California
Discharge Zip:	94804
RECEIVED DATE:	Not reported
PROCESSED DATE:	Not reported
STATUS CODE NAME:	Not reported
STATUS DATE:	Not reported
PLACE SIZE:	Not reported
PLACE SIZE UNIT:	Not reported
FACILITY CONTACT NAME:	Not reported
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	Not reported
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	Not reported
OPERATOR ADDRESS:	Not reported
OPERATOR CITY:	Not reported
OPERATOR STATE:	Not reported
OPERATOR ZIP:	Not reported
OPERATOR CONTACT NAME:	Not reported
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	Not reported
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Not reported
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	Not reported
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

1710 PIER B STREET (Continued)

S105938210

CERTIFICATION DATE:	Not reported
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported
Npdes Number:	Not reported
Facility Status:	Not reported
Agency Id:	Not reported
Region:	4
Regulatory Measure Id:	443261
Order No:	Not reported
Regulatory Measure Type:	Construction
Place Id:	Not reported
WDID:	4 19C368508
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
RECEIVED DATE:	12/11/2013
PROCESSED DATE:	12/17/2013
STATUS CODE NAME:	Active
STATUS DATE:	12/17/2013
PLACE SIZE:	12.9
PLACE SIZE UNIT:	Acres
FACILITY CONTACT NAME:	Gary Guesman
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	714-566-9090
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	gguesman@controlledenvironments.com
OPERATOR NAME:	Baker Commodities Incorporated
OPERATOR ADDRESS:	4020 Bandini Blvd
OPERATOR CITY:	Vernon
OPERATOR STATE:	California
OPERATOR ZIP:	90058
OPERATOR CONTACT NAME:	Gary Guesman
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	714-566-9090
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	gguesman@controlledenvironments.com
OPERATOR TYPE:	Private Business
DEVELOPER NAME:	Baker Commodities Incorporated
DEVELOPER ADDRESS:	4020 Bandini Blvd
DEVELOPER CITY:	Vernon
DEVELOPER STATE:	California
DEVELOPER ZIP:	90058
DEVELOPER CONTACT NAME:	Gary Guesman
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	N
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	N

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

1710 PIER B STREET (Continued)

S105938210

CONSTYPE BELOW GROUND IND:	N
CONSTYPE CABLE LINE IND:	N
CONSTYPE COMM LINE IND:	N
CONSTYPE COMMERTIAL IND:	Y
CONSTYPE ELECTRICAL LINE IND:	N
CONSTYPE GAS LINE IND:	N
CONSTYPE INDUSTRIAL IND:	N
CONSTYPE OTHER DESCRIPTION:	Not reported
CONSTYPE OTHER IND:	N
CONSTYPE RECONS IND:	N
CONSTYPE RESIDENTIAL IND:	N
CONSTYPE TRANSPORT IND:	N
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	N
CONSTYPE WATER SEWER IND:	N
DIR DISCHARGE USWATER IND:	N
RECEIVING WATER NAME:	San Pedro Bay, Pacific Ocean
CERTIFIER NAME:	Gary Guesman
CERTIFIER TITLE:	Owners Agent
CERTIFICATION DATE:	11-DEC-13
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported

VCP:

Facility ID:	19290290
Site Type:	Voluntary Cleanup
Site Type Detail:	Voluntary Cleanup
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	15
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Anantaramam Peddada
Supervisor:	Robert Senga
Division Branch:	Cleanup Cypress
Site Code:	401633
Assembly:	70
Senate:	33
Special Programs Code:	CLRRRA Liability Immunity (AB 389)
Status:	Active
Status Date:	02/08/2012
Restricted Use:	NO
Funding:	Responsible Party
Lat/Long:	33.77742 / -118.2166
APN:	NONE SPECIFIED
Past Use:	MANUFACTURING - LUMBER/WOOD PRODUCTS, MANUFACTURING - LUMBER/WOOD PRODUCTS, MANUFACTURING - CHEMICALS, PORT, RAILROAD RIGHT OF WAY
Potential COC:	10097, 30001, 30009, 30108, 30153, 30298, 30448, 30001, 30009, 30055, 30108, 30156, 30448, 30594, 30001, 30009, 30156, 30448, 30594, 30001, 30009, 30448, 30528, 30594, 30001, 30156, 30448, 30594
Confirmed COC:	30298,30448,30001,30009,10097-NO,, ,30001,30009,30108,30156,30448,30594,30055,, ,30001,30009,30156,30448,30594,, ,30528,30448,30001,30009,30594,, ,30001,30156,30448,30594
Potential Description:	OTH, SOIL, OTH, SOIL, OTH, SOIL, SURFW

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

1710 PIER B STREET (Continued)

S105938210

Alias Name: BAXTER J H
Alias Type: Alternate Name
Alias Name: Cemera Long Beach Aggregate Terminal (Former JH Baxter Site)
Alias Type: Alternate Name
Alias Name: Oakmont Baxter LLC
Alias Type: Alternate Name
Alias Name: Oakmont Industrial Group
Alias Type: Alternate Name
Alias Name: CAD008480204
Alias Type: EPA Identification Number
Alias Name: 110033612810
Alias Type: EPA (FRS #)
Alias Name: 400269
Alias Type: Project Code (Site Code)
Alias Name: 401387
Alias Type: Project Code (Site Code)
Alias Name: 401487
Alias Type: Project Code (Site Code)
Alias Name: 401617
Alias Type: Project Code (Site Code)
Alias Name: 401633
Alias Type: Project Code (Site Code)
Alias Name: 19290290
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: California Land Reuse and Revitalization Agreement
Completed Date: 08/13/2008
Comments: This Amendment was executed with Oakmont Baxter LLC, the current owner of the property to make changes in the terms and conditions to facilitate sale of the property and assignment of responsibility for activities required under the original AB 389 Agreement to prospective purchase Cemera LLC

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 11/16/2012
Comments: Completion of activities related to Cemera Long Beach LLC and Closeout of its site code in the CRBS.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Responsible Agency Review
Completed Date: 06/25/2009
Comments: Port of Long Beach is Lead Agency for CEQA related activities related to preparation of the Environmental Impact Report (EIR). DTSC provided comments on the Notice of Preparation of an EIR for the Cemera redevelopment project via the State clearinghouse review process.

Completed Area Name: Soils Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 12/17/2007
Comments: On March 10, 2007, DTSC issued the approval letter for the October

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

1710 PIER B STREET (Continued)

S105938210

16, 2006 Remedial Investigation/ Feasibility Report (RI/FS).

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 04/25/1995
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 06/13/1989
Comments: Initial Site Screening conducted.

Completed Area Name: Groundwater OU
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/30/2007
Comments: Cone Penetrometer Report was interim document summarizing groundwater data from earlier stages of the investigation. It was not a formal milestone document for this project. DTSC provided comments on this document to the J.H. Baxter/Oakmont Team on 1/30/2007

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Community Profile
Completed Date: 04/06/2008
Comments: Final Community Profile completed and sent to proponent and repository at Long Beach City Library on 4/2/2008

Completed Area Name: Groundwater OU
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Plan
Completed Date: 12/17/2007
Comments: Workplan addendum addresses DTSC comments.

Completed Area Name: Soils Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 11/27/2007
Comments: Not reported

Completed Area Name: Soils Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: AB 389 Response Plan
Completed Date: 06/29/2009
Comments: Approval Letter for Revised Draft AB 389 Plan for Soil OU was sent to proponent on 6/29/2009

Completed Area Name: Groundwater OU
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 12/14/2010
Comments: DTSC conditionally approves the document.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

1710 PIER B STREET (Continued)

S105938210

Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/21/2009
Comments: Annual Cost Estimate letter sent for calendar year 2010.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 08/10/2012
Comments: Collection letter sent to Oakmont Industrial Group.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Reimbursement Agreement
Completed Date: 07/10/2012
Comments: Contract Executed. Contract term 6/20/2012 through 06/30/2013.

Completed Area Name: Baker Cold Storage
Completed Sub Area Name: Not reported
Completed Document Type: California Land Reuse and Revitalization Agreement
Completed Date: 12/14/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/31/2011
Comments: Annual cost estimate letter completed on 10/31/2011

Completed Area Name: Baker Cold Storage
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Mitigated Neg. Dec. (MND)
Completed Date: 11/14/2013
Comments: completed the comments

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 08/13/2012
Comments: 1st Collection reminder letter for site code 401387, sent to Cembra Long Beach LLC, attention to Bill Terry.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 08/13/2012
Comments: 1st Collection reminder letter sent for site code 401487 to Cembra Long Beach LLC, attention Bill Terry.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 06/30/2013
Comments: Contract Expired and Close-Out Memo issued.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Reimbursement Agreement

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

1710 PIER B STREET (Continued)

S105938210

Completed Date: 01/04/2013
Comments: Not reported

Completed Area Name: Groundwater OU
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/28/2012
Comments: Geological Support Unit Memo from Dave Murchison on the First and Second Semi-Annual Groundwater Monitoring Report was finalized on 2/28/2012

Completed Area Name: Groundwater OU
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/29/2012
Comments: ..

Completed Area Name: Baker Cold Storage
Completed Sub Area Name: Not reported
Completed Document Type: AB 389 Response Plan
Completed Date: 12/02/2013
Comments: Not reported

Completed Area Name: Groundwater OU
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/30/2012
Comments: Not reported

Completed Area Name: Groundwater OU
Completed Sub Area Name: Baker Cold Storage
Completed Document Type: Monitoring Report
Completed Date: 10/18/2013
Comments: Completed

Completed Area Name: Groundwater OU
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/13/2012
Comments: No letter was sent. This document was uploaded for records only

Completed Area Name: Groundwater OU
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/13/2012
Comments: No letter was sent. This document was uploaded for records only

Completed Area Name: Soils Operable Unit
Completed Sub Area Name: Baker Cold Storage
Completed Document Type: Site Characterization Workplan
Completed Date: 10/18/2012
Comments: DTSC sent concurrence with the methane survey workplan.

Completed Area Name: Baker Cold Storage
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 10/18/2012

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

1710 PIER B STREET (Continued)

S105938210

Comments:	Not reported
Completed Area Name:	Groundwater OU
Completed Sub Area Name:	Baker Cold Storage
Completed Document Type:	Monitoring Plan
Completed Date:	01/08/2013
Comments:	Completed
Completed Area Name:	Baker Cold Storage
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Screening
Completed Date:	05/20/2013
Comments:	completed. Field work will start
Completed Area Name:	Baker Cold Storage
Completed Sub Area Name:	Not reported
Completed Document Type:	Other Report
Completed Date:	12/01/2014
Comments:	Not reported
Completed Area Name:	Baker Cold Storage
Completed Sub Area Name:	Not reported
Completed Document Type:	Annual Oversight Cost Estimate
Completed Date:	11/15/2013
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Annual Oversight Cost Estimate
Completed Date:	11/19/2014
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Monitoring Report
Completed Date:	03/20/2014
Comments:	completed
Completed Area Name:	Baker Cold Storage
Completed Sub Area Name:	Not reported
Completed Document Type:	Monitoring Plan
Completed Date:	03/20/2014
Comments:	Not reported
Completed Area Name:	Soils Operable Unit
Completed Sub Area Name:	Not reported
Completed Document Type:	Soils Management Plan
Completed Date:	04/23/2014
Comments:	Not reported
Completed Area Name:	Baker Cold Storage
Completed Sub Area Name:	Not reported
Completed Document Type:	Other Report
Completed Date:	03/13/2014
Comments:	.
Completed Area Name:	Soils Operable Unit

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

1710 PIER B STREET (Continued)

S105938210

Completed Sub Area Name: Not reported
Completed Document Type: Soils Management Plan
Completed Date: 04/23/2014
Comments: Completed

Completed Area Name: Baker Cold Storage
Completed Sub Area Name: Not reported
Completed Document Type: Well Decommissioning Workplan
Completed Date: 04/17/2014
Comments: completed

Completed Area Name: Soils Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 06/16/2014
Comments: Not reported

Completed Area Name: Baker Cold Storage
Completed Sub Area Name: Not reported
Completed Document Type: Tank Removal Workplan
Completed Date: 06/05/2014
Comments: Not sent . Not reviewed the document. IT is loaded as information document at the Site

Completed Area Name: Baker Cold Storage
Completed Sub Area Name: Not reported
Completed Document Type: Soils Management Plan
Completed Date: 07/03/2014
Comments: Not reported

Completed Area Name: Soils Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Soils Management Plan
Completed Date: 07/24/2014
Comments: done

Completed Area Name: Baker Cold Storage
Completed Sub Area Name: Not reported
Completed Document Type: Well Decommissioning Report
Completed Date: 08/14/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 07/08/2002
Comments: A Voluntary Cleanup Agreement (VCA) for a Remedial Investigation through Operation and Maintenance (O & M) was signed on July 8, 2002.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: California Land Reuse and Revitalization Agreement
Completed Date: 08/22/2007
Comments: An AB 389 CLRRRA agreement was fully executed for this site on 8/22/07.
Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

1710 PIER B STREET (Continued)

S105938210

Future Area Name: Baker Cold Storage
Future Sub Area Name: Not reported
Future Document Type: Certification
Future Due Date: 2018
Future Area Name: Baker Cold Storage
Future Sub Area Name: Not reported
Future Document Type: Land Use Restriction
Future Due Date: 2018
Future Area Name: Groundwater OU
Future Sub Area Name: Not reported
Future Document Type: Remedial Action Completion Report
Future Due Date: 2016
Future Area Name: Baker Cold Storage
Future Sub Area Name: Not reported
Future Document Type: 5 Year Review Reports
Future Due Date: 2022
Future Area Name: Baker Cold Storage
Future Sub Area Name: Not reported
Future Document Type: Operations and Maintenance Plan
Future Due Date: 2016
Schedule Area Name: Baker Cold Storage
Schedule Sub Area Name: Not reported
Schedule Document Type: Design/Implementation Workplan
Schedule Due Date: 02/15/2015
Schedule Revised Date: Not reported

EMI:

Year: 1996
County Code: 19
Air Basin: SC
Facility ID: 18821
Air District Name: SC
SIC Code: 2491
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 1
NOX - Oxides of Nitrogen Tons/Yr: 2
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers & Smllr Tons/Yr: 0

ENVIROSTOR:

Facility ID: 19290290
Status: Active
Status Date: 02/08/2012
Site Code: 401633
Site Type: Voluntary Cleanup
Site Type Detailed: Voluntary Cleanup
Acres: 15
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Anantaramam Peddada

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

1710 PIER B STREET (Continued)

S105938210

Supervisor: Robert Senga
Division Branch: Cleanup Cypress
Assembly: 70
Senate: 33
Special Program: CLRRRA Liability Immunity (AB 389)
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Responsible Party
Latitude: 33.77742
Longitude: -118.2166
APN: NONE SPECIFIED
Past Use: MANUFACTURING - LUMBER/WOOD PRODUCTS, MANUFACTURING - LUMBER/WOOD PRODUCTS, MANUFACTURING - CHEMICALS, PORT, RAILROAD RIGHT OF WAY
Potential COC: * CONTAMINATED SOIL Arsenic Dioxin (as 2,3,7,8-TCDD TEQ Cadmium and compounds Chromium VI Furan Pentachlorophenol Arsenic Dioxin (as 2,3,7,8-TCDD TEQ Ammonia Cadmium and compounds Copper and compounds Pentachlorophenol Zinc Arsenic Dioxin (as 2,3,7,8-TCDD TEQ Copper and compounds Pentachlorophenol Zinc Arsenic Dioxin (as 2,3,7,8-TCDD TEQ Pentachlorophenol 2,3,7,8-TCDD (dioxin Zinc Arsenic Copper and compounds Pentachlorophenol Zinc
Confirmed COC: Furan Pentachlorophenol Arsenic Dioxin (as 2,3,7,8-TCDD TEQ 10097-NO Arsenic Dioxin (as 2,3,7,8-TCDD TEQ Cadmium and compounds Copper and compounds Pentachlorophenol Zinc Ammonia Arsenic Dioxin (as 2,3,7,8-TCDD TEQ Copper and compounds Pentachlorophenol Zinc 2,3,7,8-TCDD (dioxin Pentachlorophenol Arsenic Dioxin (as 2,3,7,8-TCDD TEQ Zinc Arsenic Copper and compounds Pentachlorophenol Zinc
Potential Description: OTH, SOIL, OTH, SOIL, OTH, SOIL, SURFW
Alias Name: BAXTER J H
Alias Type: Alternate Name
Alias Name: Cembra Long Beach Aggregate Terminal (Former JH Baxter Site)
Alias Type: Alternate Name
Alias Name: Oakmont Baxter LLC
Alias Type: Alternate Name
Alias Name: Oakmont Industrial Group
Alias Type: Alternate Name
Alias Name: CAD008480204
Alias Type: EPA Identification Number
Alias Name: 110033612810
Alias Type: EPA (FRS #)
Alias Name: 400269
Alias Type: Project Code (Site Code)
Alias Name: 401387
Alias Type: Project Code (Site Code)
Alias Name: 401487
Alias Type: Project Code (Site Code)
Alias Name: 401617
Alias Type: Project Code (Site Code)
Alias Name: 401633
Alias Type: Project Code (Site Code)
Alias Name: 19290290
Alias Type: Envirostor ID Number
Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: California Land Reuse and Revitalization Agreement
Completed Date: 08/13/2008

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

1710 PIER B STREET (Continued)

S105938210

Comments: This Amendment was executed with Oakmont Baxter LLC, the current owner of the property to make changes in the terms and conditions to facilitate sale of the property and assignment of responsibility for activities required under the original AB 389 Agreement to prospective purchase Cemara LLC

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 11/16/2012
Comments: Completion of activities related to Cemera Long Beach LLC and Closeout of its site code in the CRBS.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Responsible Agency Review
Completed Date: 06/25/2009
Comments: Port of Long Beach is Lead Agency for CEQA related activities related to preparation of the Environmental Impact Report (EIR). DTSC provided comments on the Notice of Preparation of an EIR for the Cemera redevelopment project via the State clearinghouse review process.

Completed Area Name: Soils Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 12/17/2007
Comments: On March 10, 2007, DTSC issued the approval letter for the October 16, 2006 Remedial Investigation/ Feasibility Report (RI/FS).

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 04/25/1995
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 06/13/1989
Comments: Initial Site Screening conducted.

Completed Area Name: Groundwater OU
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/30/2007
Comments: Cone Penetrometer Report was interim document summarizing groundwater data from earlier stages of the investigation. It was not a formal milestone document for this project. DTSC provided comments on this document to the J.H. Baxter/Oakmont Team on 1/30/2007

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Community Profile
Completed Date: 04/06/2008
Comments: Final Community Profile completed and sent to proponent and repository at Long Beach City Library on 4/2/2008

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

1710 PIER B STREET (Continued)

S105938210

Completed Area Name: Groundwater OU
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Plan
Completed Date: 12/17/2007
Comments: Workplan addendum addresses DTSC comments.

Completed Area Name: Soils Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 11/27/2007
Comments: Not reported

Completed Area Name: Soils Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: AB 389 Response Plan
Completed Date: 06/29/2009
Comments: Approval Letter for Revised Draft AB 389 Plan for Soil OU was sent to proponent on 6/29/2009

Completed Area Name: Groundwater OU
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 12/14/2010
Comments: DTSC conditionally approves the document.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/21/2009
Comments: Annual Cost Estimate letter sent for calendar year 2010.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 08/10/2012
Comments: Collection letter sent to Oakmont Industrial Group.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Reimbursement Agreement
Completed Date: 07/10/2012
Comments: Contract Executed. Contract term 6/20/2012 through 06/30/2013.

Completed Area Name: Baker Cold Storage
Completed Sub Area Name: Not reported
Completed Document Type: California Land Reuse and Revitalization Agreement
Completed Date: 12/14/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/31/2011
Comments: Annual cost estimate letter completed on 10/31/2011

Completed Area Name: Baker Cold Storage
Completed Sub Area Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

1710 PIER B STREET (Continued)

S105938210

Completed Document Type: CEQA - Initial Study/ Mitigated Neg. Dec. (MND)
Completed Date: 11/14/2013
Comments: completed the comments

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 08/13/2012
Comments: 1st Collection reminder letter for site code 401387, sent to Cembra Long Beach LLC, attention to Bill Terry.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 08/13/2012
Comments: 1st Collection reminder letter sent for site code 401487 to Cembra Long Beach LLC, attention Bill Terry.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 06/30/2013
Comments: Contract Expired and Close-Out Memo issued.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Reimbursement Agreement
Completed Date: 01/04/2013
Comments: Not reported

Completed Area Name: Groundwater OU
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/28/2012
Comments: Geological Support Unit Memo from Dave Murchison on the First and Second Semi-Annual Groundwater Monitoring Report was finalized on 2/28/2012

Completed Area Name: Groundwater OU
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/29/2012
Comments: ..

Completed Area Name: Baker Cold Storage
Completed Sub Area Name: Not reported
Completed Document Type: AB 389 Response Plan
Completed Date: 12/02/2013
Comments: Not reported

Completed Area Name: Groundwater OU
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/30/2012
Comments: Not reported

Completed Area Name: Groundwater OU

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

1710 PIER B STREET (Continued)

S105938210

Completed Sub Area Name: Baker Cold Storage
Completed Document Type: Monitoring Report
Completed Date: 10/18/2013
Comments: Completed

Completed Area Name: Groundwater OU
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/13/2012
Comments: No letter was sent. This document was uploaded for records only

Completed Area Name: Groundwater OU
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/13/2012
Comments: No letter was sent. This document was uploaded for records only

Completed Area Name: Soils Operable Unit
Completed Sub Area Name: Baker Cold Storage
Completed Document Type: Site Characterization Workplan
Completed Date: 10/18/2012
Comments: DTSC sent concurrence with the methane survey workplan.

Completed Area Name: Baker Cold Storage
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 10/18/2012
Comments: Not reported

Completed Area Name: Groundwater OU
Completed Sub Area Name: Baker Cold Storage
Completed Document Type: Monitoring Plan
Completed Date: 01/08/2013
Comments: Completed

Completed Area Name: Baker Cold Storage
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 05/20/2013
Comments: completed. Field work will start

Completed Area Name: Baker Cold Storage
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 12/01/2014
Comments: Not reported

Completed Area Name: Baker Cold Storage
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/15/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/19/2014

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

1710 PIER B STREET (Continued)

S105938210

Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Monitoring Report
Completed Date:	03/20/2014
Comments:	completed
Completed Area Name:	Baker Cold Storage
Completed Sub Area Name:	Not reported
Completed Document Type:	Monitoring Plan
Completed Date:	03/20/2014
Comments:	Not reported
Completed Area Name:	Soils Operable Unit
Completed Sub Area Name:	Not reported
Completed Document Type:	Soils Management Plan
Completed Date:	04/23/2014
Comments:	Not reported
Completed Area Name:	Baker Cold Storage
Completed Sub Area Name:	Not reported
Completed Document Type:	Other Report
Completed Date:	03/13/2014
Comments:	.
Completed Area Name:	Soils Operable Unit
Completed Sub Area Name:	Not reported
Completed Document Type:	Soils Management Plan
Completed Date:	04/23/2014
Comments:	Completed
Completed Area Name:	Baker Cold Storage
Completed Sub Area Name:	Not reported
Completed Document Type:	Well Decommissioning Workplan
Completed Date:	04/17/2014
Comments:	completed
Completed Area Name:	Soils Operable Unit
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Characterization Workplan
Completed Date:	06/16/2014
Comments:	Not reported
Completed Area Name:	Baker Cold Storage
Completed Sub Area Name:	Not reported
Completed Document Type:	Tank Removal Workplan
Completed Date:	06/05/2014
Comments:	Not sent . Not reviewed the document. IT is loaded as information document at the Site
Completed Area Name:	Baker Cold Storage
Completed Sub Area Name:	Not reported
Completed Document Type:	Soils Management Plan
Completed Date:	07/03/2014
Comments:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

1710 PIER B STREET (Continued)

S105938210

Completed Area Name: Soils Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Soils Management Plan
Completed Date: 07/24/2014
Comments: done

Completed Area Name: Baker Cold Storage
Completed Sub Area Name: Not reported
Completed Document Type: Well Decommissioning Report
Completed Date: 08/14/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 07/08/2002
Comments: A Voluntary Cleanup Agreement (VCA) for a Remedial Investigation through Operation and Maintenance (O & M) was signed on on July 8, 2002.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: California Land Reuse and Revitalization Agreement
Completed Date: 08/22/2007
Comments: An AB 389 CLRRRA agreement was fully executed for this site on 8/22/07.
Not reported

Future Area Name: Baker Cold Storage
Future Sub Area Name: Not reported
Future Document Type: Certification
Future Due Date: 2018
Future Area Name: Baker Cold Storage
Future Sub Area Name: Not reported
Future Document Type: Land Use Restriction
Future Due Date: 2018
Future Area Name: Groundwater OU
Future Sub Area Name: Not reported
Future Document Type: Remedial Action Completion Report
Future Due Date: 2016
Future Area Name: Baker Cold Storage
Future Sub Area Name: Not reported
Future Document Type: 5 Year Review Reports
Future Due Date: 2022
Future Area Name: Baker Cold Storage
Future Sub Area Name: Not reported
Future Document Type: Operations and Maintenance Plan
Future Due Date: 2016
Schedule Area Name: Baker Cold Storage
Schedule Sub Area Name: Not reported
Schedule Document Type: Design/Implementation Workplan
Schedule Due Date: 02/15/2015
Schedule Revised Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

AR225	EDISON/LONG BEACH MGP III	EDR MGP	1008407698
WSW	LG BEACH AREA, 8TH INT W/EDISON		N/A
1/2-1	LONG BEACH, CA 90802		
0.890 mi.			
4701 ft.	Site 1 of 2 in cluster AR		

Relative:
Lower

Manufactured Gas Plants:

The former Long Beach III Manufactured Gas Plant (MGP) site is located at the southwest corner of the intersection of Pier B Street and Edison Avenue in the City of Long Beach, California. The site consists of approximately five acres. An MGP operated at the site from 1906 until 1916. From 1916 to 1971, the entire site was used for natural gas storage and distribution. In 1974, the City of Long Beach began dismantling and removing the equipment and structures from the site. The City of Long Beach currently owns the site. Land use adjacent and in the vicinity of the site is primarily commercial and industrial associated with shipping and petroleum industries. The entire site is paved and approximately 80 percent of the site is used as a parking lot for imported cars while the remaining portion is located under Pier B Street. Contaminants of Concern at the site include Hydrocarbons (TPH), Polycyclic Aromatic Hydrocarbon (PAH's), Lead, and Arsenic.

AR226	EDISON/LONG BEACH III MGP	CA VCP	S100848277
WSW	LG BCH HARBOR AREA, 8TH ST INT.W/EDISON	CA ENVIROSTOR	N/A
1/2-1	LONG BEACH, CA 90802		
0.906 mi.			
4786 ft.	Site 2 of 2 in cluster AR		

Relative:
Lower

VCP:

Actual:
6 ft.

Facility ID:	19490233
Site Type:	Voluntary Cleanup
Site Type Detail:	Voluntary Cleanup
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	5
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Tedd Yargeau
Supervisor:	Javier Hinojosa
Division Branch:	Cleanup Chatsworth
Site Code:	400448
Assembly:	70
Senate:	33
Special Programs Code:	Voluntary Cleanup Program
Status:	Certified / Operation & Maintenance
Status Date:	09/23/2004
Restricted Use:	NO
Funding:	Responsible Party
Lat/Long:	33.77944 / -118.2169
APN:	NONE SPECIFIED
Past Use:	MANUFACTURED GAS PLANT
Potential COC:	30001, 30013, 3002502
Confirmed COC:	30001,30013,3002502
Potential Description:	SOIL
Alias Name:	BOOK 7436, PAGE 15, PACEL 900, L.A.
Alias Type:	Alternate Name
Alias Name:	SO. CAL EDISON LONG BEACH TOWN GAS PLANT
Alias Type:	Alternate Name
Alias Name:	TOWN GAS PLANT LONG BEACH III
Alias Type:	Alternate Name
Alias Name:	110033618832

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EDISON/LONG BEACH III MGP (Continued)

S100848277

Alias Type: EPA (FRS #)
Alias Name: 400448
Alias Type: Project Code (Site Code)
Alias Name: 19490233
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Land Use Restriction Monitoring Report
Completed Date: 05/25/2010
Comments: Annual Inspection report submitted and approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Land Use Restriction Monitoring Report
Completed Date: 05/24/2012
Comments: Annual inspection report reviewed and approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Land Use Restriction Monitoring Report
Completed Date: 05/07/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Land Use Restriction Monitoring Report
Completed Date: 08/21/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 11/04/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 09/09/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Land Use Restriction Monitoring Report
Completed Date: 05/23/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Notice of Exemption
Completed Date: 12/30/2002
Comments: Public Comment Period completed. Notice of Exemption finalized and submitted to the State Clearinghouse. DTSC issues concurrence letter for the remedy which is to deed restrict the property. CEQA Notice of Exemption finalized and sent to State Clearinghouse.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EDISON/LONG BEACH III MGP (Continued)

S100848277

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Amendment - Order/Agreement
Completed Date: 05/20/1996
Comments: DTSC executes a Consent Order with Southern California Edison and Southern California Gas to complete an RI/FS for the site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 05/10/1994
Comments: DTSC enters into a Voluntary Cleanup Agreement with Southern California Edison to conduct a Preliminary Endangerment Assessment.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 12/27/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation / Feasibility Study
Completed Date: 06/30/2000
Comments: DTSC approves the Feasibility Study for the site. DTSC issues comments on the revised Health Risk Assessment.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 02/02/1995
Comments: DTSC reviewed and approved the PEA Report prepared for the Long Beach III site. DTSC recommended that further action is required on the site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Deed/LUR Enforcement & Implementation Plan
Completed Date: 09/23/2004
Comments: Signed Deed Restriction lodged with county.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 12/19/2001
Comments: Additional Soil Sampling Workplan finalized

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 05/06/2005
Comments: Annual Status report submitted to DTSC indicating that there has been no change in land use and asphalt cap has been maintained.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EDISON/LONG BEACH III MGP (Continued)

S100848277

Completed Date: 05/07/2006
Comments: Annual Status report submitted to DTSC. Report indicates that there has been no change in land use and asphalt cap is well maintained.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 05/09/2007
Comments: Annual Status report submitted to DTSC. Annual report indicates that the end land use has not changed and that the asphalt cap has been well maintained.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 06/06/2008
Comments: Annual status report submitted indicates that there was no change in land use and that the asphalt cover remains intact.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 05/04/2009
Comments: Annual Status Report for the Former Long Beach III MGP site submitted and approved by DTSC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: 5 Year Review Reports
Completed Date: 06/17/2013
Comments: Long Beach III MGP 5 Year Review conducted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Amendment - Order/Agreement
Completed Date: 01/04/1999
Comments: Transition to Chapter 6.5 - Amendment to the Existing Consent Order, Docket No. HSA 95/96-047 signed by RPs. John Fielder: 12/11/98 & Robert G. Vogel: 12/21/98.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

ENVIROSTOR:

Facility ID: 19490233
Status: Certified / Operation & Maintenance
Status Date: 09/23/2004
Site Code: 400448
Site Type: Voluntary Cleanup
Site Type Detailed: Voluntary Cleanup

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EDISON/LONG BEACH III MGP (Continued)

S100848277

Acres: 5
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Tedd Yargeau
Supervisor: Javier Hinojosa
Division Branch: Cleanup Chatsworth
Assembly: 70
Senate: 33
Special Program: Voluntary Cleanup Program
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Responsible Party
Latitude: 33.77944
Longitude: -118.2169
APN: NONE SPECIFIED
Past Use: MANUFACTURED GAS PLANT
Potential COC: Arsenic Lead TPH-MOTOR OIL
Confirmed COC: Arsenic Lead TPH-MOTOR OIL
Potential Description: SOIL
Alias Name: BOOK 7436, PAGE 15, PACEL 900, L.A.
Alias Type: Alternate Name
Alias Name: SO. CAL EDISON LONG BEACH TOWN GAS PLANT
Alias Type: Alternate Name
Alias Name: TOWN GAS PLANT LONG BEACH III
Alias Type: Alternate Name
Alias Name: 110033618832
Alias Type: EPA (FRS #)
Alias Name: 400448
Alias Type: Project Code (Site Code)
Alias Name: 19490233
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Land Use Restriction Monitoring Report
Completed Date: 05/25/2010
Comments: Annual Inspection report submitted and approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Land Use Restriction Monitoring Report
Completed Date: 05/24/2012
Comments: Annual inspection report reviewed and approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Land Use Restriction Monitoring Report
Completed Date: 05/07/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Land Use Restriction Monitoring Report
Completed Date: 08/21/2014
Comments: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EDISON/LONG BEACH III MGP (Continued)

S100848277

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 11/04/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 09/09/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Land Use Restriction Monitoring Report
Completed Date: 05/23/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Notice of Exemption
Completed Date: 12/30/2002
Comments: Public Comment Period completed. Notice of Exemption finalized and submitted to the State Clearinghouse. DTSC issues concurrence letter for the remedy which is to deed restrict the property. CEQA Notice of Exemption finalized and sent to State Clearinghouse.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Amendment - Order/Agreement
Completed Date: 05/20/1996
Comments: DTSC executes a Consent Order with Southern California Edison and Southern California Gas to complete an RI/FS for the site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 05/10/1994
Comments: DTSC enters into a Voluntary Cleanup Agreement with Southern California Edison to conduct a Preliminary Endangerment Assessment.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 12/27/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation / Feasibility Study
Completed Date: 06/30/2000
Comments: DTSC approves the Feasibility Study for the site. DTSC issues comments on the revised Health Risk Assessment.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EDISON/LONG BEACH III MGP (Continued)

S100848277

Completed Date: 02/02/1995
Comments: DTSC reviewed and approved the PEA Report prepared for the Long Beach III site. DTSC recommended that further action is required on the site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Deed/LUR Enforcement & Implementation Plan
Completed Date: 09/23/2004
Comments: Signed Deed Restriction lodged with county.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 12/19/2001
Comments: Additional Soil Sampling Workplan finalized

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 05/06/2005
Comments: Annual Status report submitted to DTSC indicating that there has been no change in land use and asphalt cap has been maintained.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 05/07/2006
Comments: Annual Status report submitted to DTSC. Report indicates that there has been no change in land use and asphalt cap is well maintained.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 05/09/2007
Comments: Annual Status report submitted to DTSC. Annual report indicates that the end land use has not changed and that the asphalt cap has been well maintained.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 06/06/2008
Comments: Annual status report submitted indicates that there was no change in land use and that the asphalt cover remains intact.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 05/04/2009
Comments: Annual Status Report for the Former Long Beach III MGP site submitted and approved by DTSC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: 5 Year Review Reports
Completed Date: 06/17/2013

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EDISON/LONG BEACH III MGP (Continued)

S100848277

Comments: Long Beach III MGP 5 Year Review conducted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Amendment - Order/Agreement
Completed Date: 01/04/1999
Comments: Transition to Chapter 6.5 - Amendment to the Existing Consent Order, Docket No. HSA 95/96-047 signed by RPs. John Fielder: 12/11/98 & Robert G. Vogel: 12/21/98.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

227
West
1/2-1
0.910 mi.
4806 ft.

BEAR STATE ELECTRICAL CO INC
2105 WEST COWLES STREET
LONG BEACH, CA 90813

CA ENVIROSTOR **1000351863**
N/A

Relative:
Lower

Actual:
7 ft.

ENVIROSTOR:

Facility ID: 19360096
Status: Refer: Other Agency
Status Date: 08/31/1995
Site Code: Not reported
Site Type: Historical
Site Type Detailed: * Historical
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Referred - Not Assigned
Division Branch: Cleanup Cypress
Assembly: 70
Senate: 33
Special Program: * Site Char & Assess Grant (CERCLA 104)
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 33.78491
Longitude: -118.2199
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: * Metals - Other Inorganic Solid Waste * DETERGENT & SOAP * WASTE OIL & MIXED OIL Polychlorinated biphenyls (PCBs)
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: BEAR STATE SERVICE CENTER
Alias Type: Alternate Name
Alias Name: JAIDE CAR COMPANY
Alias Type: Alternate Name

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BEAR STATE ELECTRICAL CO INC (Continued)

1000351863

Alias Name: RELIANCE ELECTRIC CO
Alias Type: Alternate Name
Alias Name: CAD980888952
Alias Type: EPA Identification Number
Alias Name: CAX000113555
Alias Type: HWTS Identification Code
Alias Name: 19360096
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 05/27/1991
Comments: EPA Screening Site Inspection Reassessment recommended NFA. No Further Action for DTSC; recommend referral to City of Long Beach.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 09/14/1982
Comments: Facility identified from Pac Tel Business Directory 1971.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

228
WSW
1/2-1
0.955 mi.
5043 ft.

**PETRO DIAMOND MARINE TERMINAL
1920 LUGGER WAY
LONG BEACH, CA 90813**

**CA NPDES S103638623
CA HIST CORTESE N/A
CA LUST
CA ENF
CA ENVIROSTOR**

**Relative:
Higher**

NPDES:

**Actual:
14 ft.**

Npdes Number: CAG674001
Facility Status: Active
Agency Id: 35752
Region: 4
Regulatory Measure Id: 298655
Order No: R4-2009-0068
Regulatory Measure Type: Enrollee
Place Id: 250273
WDID: 4B196300164
Program Type: NPDNONMUNIPRCS
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: 05/13/2004
Expiration Date Of Regulatory Measure: 06/04/2014
Termination Date Of Regulatory Measure: Not reported
Discharge Name: Petro Diamond Terminal Company
Discharge Address: 1100 Main Street 2nd Floor
Discharge City: Irvine
Discharge State: CA

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PETRO DIAMOND MARINE TERMINAL (Continued)

S103638623

Discharge Zip:	92614-6714
RECEIVED DATE:	Not reported
PROCESSED DATE:	Not reported
STATUS CODE NAME:	Not reported
STATUS DATE:	Not reported
PLACE SIZE:	Not reported
PLACE SIZE UNIT:	Not reported
FACILITY CONTACT NAME:	Not reported
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	Not reported
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	Not reported
OPERATOR ADDRESS:	Not reported
OPERATOR CITY:	Not reported
OPERATOR STATE:	Not reported
OPERATOR ZIP:	Not reported
OPERATOR CONTACT NAME:	Not reported
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	Not reported
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Not reported
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	Not reported
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PETRO DIAMOND MARINE TERMINAL (Continued)

S103638623

Npdes Number:	CA0059358
Facility Status:	Historical
Agency Id:	35752
Region:	4
Regulatory Measure Id:	347043
Order No:	R4-2008-0016
Regulatory Measure Type:	NPDES Permits
Place Id:	242342
WDID:	4B192197001
Program Type:	NPDNONMUNIPRCS
Adoption Date Of Regulatory Measure:	04/03/2008
Effective Date Of Regulatory Measure:	05/03/2008
Expiration Date Of Regulatory Measure:	03/10/2013
Termination Date Of Regulatory Measure:	04/30/2014
Discharge Name:	Petro Diamond Terminal Company
Discharge Address:	1100 Main Street 2nd Floor
Discharge City:	Irvine
Discharge State:	CA
Discharge Zip:	92614-6714
RECEIVED DATE:	Not reported
PROCESSED DATE:	Not reported
STATUS CODE NAME:	Not reported
STATUS DATE:	Not reported
PLACE SIZE:	Not reported
PLACE SIZE UNIT:	Not reported
FACILITY CONTACT NAME:	Not reported
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	Not reported
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	Not reported
OPERATOR ADDRESS:	Not reported
OPERATOR CITY:	Not reported
OPERATOR STATE:	Not reported
OPERATOR ZIP:	Not reported
OPERATOR CONTACT NAME:	Not reported
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	Not reported
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Not reported
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	Not reported
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PETRO DIAMOND MARINE TERMINAL (Continued)

S103638623

CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESCRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported
Npdes Number:	CA0059358
Facility Status:	Active
Agency Id:	35752
Region:	4
Regulatory Measure Id:	387171
Order No:	R4-2014-0031
Regulatory Measure Type:	NPDES Permits
Place Id:	242342
WDID:	4B192197001
Program Type:	NPDNONMUNIPRCS
Adoption Date Of Regulatory Measure:	03/06/2014
Effective Date Of Regulatory Measure:	05/01/2014
Expiration Date Of Regulatory Measure:	06/30/2019
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Petro Diamond Terminal Company
Discharge Address:	1100 Main Street 2nd Floor
Discharge City:	Irvine
Discharge State:	CA
Discharge Zip:	92614-6714
RECEIVED DATE:	Not reported
PROCESSED DATE:	Not reported
STATUS CODE NAME:	Not reported
STATUS DATE:	Not reported
PLACE SIZE:	Not reported
PLACE SIZE UNIT:	Not reported
FACILITY CONTACT NAME:	Not reported
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	Not reported
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	Not reported
OPERATOR ADDRESS:	Not reported
OPERATOR CITY:	Not reported
OPERATOR STATE:	Not reported
OPERATOR ZIP:	Not reported
OPERATOR CONTACT NAME:	Not reported
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PETRO DIAMOND MARINE TERMINAL (Continued)

S103638623

OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Not reported
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	Not reported
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported

HIST CORTESE:

Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	908130261

LUST:

Region:	STATE
Global Id:	T0603701940
Latitude:	33.776694
Longitude:	-118.2192058
Case Type:	LUST Cleanup Site
Status:	Open - Remediation
Status Date:	01/21/2002
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Worker:	JH
Local Agency:	LONG BEACH, CITY OF
RB Case Number:	908130261

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PETRO DIAMOND MARINE TERMINAL (Continued)

S103638623

LOC Case Number: Not reported
File Location: Regional Board
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

Contact:

Global Id: T0603701940
Contact Type: Local Agency Caseworker
Contact Name: CARMEN PIRO
Organization Name: LONG BEACH, CITY OF
Address: 2525 GRAND AVE.
City: LONG BEACH
Email: carmen.piro@longbeach.gov
Phone Number: 5625704137

Global Id: T0603701940
Contact Type: Regional Board Caseworker
Contact Name: JAY HUANG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 WEST 4TH STREET, SUITE 200
City: LOS ANGELES
Email: jhuang@waterboards.ca.gov
Phone Number: 2135766711

Status History:

Global Id: T0603701940
Status: Open - Case Begin Date
Status Date: 01/10/1986

Global Id: T0603701940
Status: Open - Remediation
Status Date: 07/24/2001

Global Id: T0603701940
Status: Open - Remediation
Status Date: 01/21/2002

Global Id: T0603701940
Status: Open - Site Assessment
Status Date: 01/10/1986

Global Id: T0603701940
Status: Open - Site Assessment
Status Date: 03/23/1992

Global Id: T0603701940
Status: Open - Site Assessment
Status Date: 08/12/1999

Regulatory Activities:

Global Id: T0603701940
Action Type: RESPONSE
Date: 01/15/2005
Action: Monitoring Report - Quarterly

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PETRO DIAMOND MARINE TERMINAL (Continued)

S103638623

Global Id:	T0603701940
Action Type:	RESPONSE
Date:	07/15/2005
Action:	Monitoring Report - Quarterly
Global Id:	T0603701940
Action Type:	RESPONSE
Date:	01/15/2003
Action:	Monitoring Report - Quarterly
Global Id:	T0603701940
Action Type:	RESPONSE
Date:	07/15/2003
Action:	Monitoring Report - Quarterly
Global Id:	T0603701940
Action Type:	RESPONSE
Date:	07/15/2010
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603701940
Action Type:	REMEDIATION
Date:	07/27/2004
Action:	In Situ Physical/Chemical Treatment (other than SVE)
Global Id:	T0603701940
Action Type:	RESPONSE
Date:	10/15/2003
Action:	Monitoring Report - Quarterly
Global Id:	T0603701940
Action Type:	RESPONSE
Date:	01/15/2004
Action:	Monitoring Report - Quarterly
Global Id:	T0603701940
Action Type:	RESPONSE
Date:	07/15/2002
Action:	Monitoring Report - Quarterly
Global Id:	T0603701940
Action Type:	RESPONSE
Date:	10/15/2004
Action:	Monitoring Report - Quarterly
Global Id:	T0603701940
Action Type:	RESPONSE
Date:	01/15/2011
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603701940
Action Type:	RESPONSE
Date:	07/15/2004
Action:	Monitoring Report - Quarterly
Global Id:	T0603701940
Action Type:	RESPONSE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PETRO DIAMOND MARINE TERMINAL (Continued)

S103638623

Date:	07/15/2011
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603701940
Action Type:	RESPONSE
Date:	01/15/2012
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603701940
Action Type:	Other
Date:	11/02/1992
Action:	Leak Reported
Global Id:	T0603701940
Action Type:	RESPONSE
Date:	10/15/2005
Action:	Monitoring Report - Quarterly
Global Id:	T0603701940
Action Type:	RESPONSE
Date:	04/15/2006
Action:	Monitoring Report - Quarterly
Global Id:	T0603701940
Action Type:	RESPONSE
Date:	07/15/2006
Action:	Monitoring Report - Quarterly
Global Id:	T0603701940
Action Type:	ENFORCEMENT
Date:	08/12/1999
Action:	Staff Letter
Global Id:	T0603701940
Action Type:	RESPONSE
Date:	01/15/2006
Action:	Monitoring Report - Quarterly
Global Id:	T0603701940
Action Type:	RESPONSE
Date:	10/15/2006
Action:	Monitoring Report - Quarterly
Global Id:	T0603701940
Action Type:	RESPONSE
Date:	01/15/2007
Action:	Monitoring Report - Quarterly
Global Id:	T0603701940
Action Type:	RESPONSE
Date:	04/15/2007
Action:	Monitoring Report - Quarterly
Global Id:	T0603701940
Action Type:	RESPONSE
Date:	07/15/2012
Action:	Monitoring Report - Semi-Annually

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PETRO DIAMOND MARINE TERMINAL (Continued)

S103638623

Global Id:	T0603701940
Action Type:	RESPONSE
Date:	07/15/2007
Action:	Monitoring Report - Quarterly
Global Id:	T0603701940
Action Type:	RESPONSE
Date:	07/15/2013
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603701940
Action Type:	RESPONSE
Date:	05/15/2009
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603701940
Action Type:	RESPONSE
Date:	12/16/2008
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603701940
Action Type:	RESPONSE
Date:	01/15/2008
Action:	Monitoring Report - Quarterly
Global Id:	T0603701940
Action Type:	RESPONSE
Date:	04/15/2004
Action:	Monitoring Report - Quarterly
Global Id:	T0603701940
Action Type:	RESPONSE
Date:	05/16/2008
Action:	Monitoring Report - Quarterly
Global Id:	T0603701940
Action Type:	RESPONSE
Date:	01/15/2014
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603701940
Action Type:	ENFORCEMENT
Date:	06/15/2009
Action:	Staff Letter
Global Id:	T0603701940
Action Type:	RESPONSE
Date:	07/31/2002
Action:	Other Report / Document
Global Id:	T0603701940
Action Type:	ENFORCEMENT
Date:	06/21/2002
Action:	Staff Letter
Global Id:	T0603701940
Action Type:	RESPONSE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PETRO DIAMOND MARINE TERMINAL (Continued)

S103638623

Date: 07/15/2009
Action: Monitoring Report - Semi-Annually

Global Id: T0603701940
Action Type: RESPONSE
Date: 04/15/2002
Action: Monitoring Report - Quarterly

Global Id: T0603701940
Action Type: RESPONSE
Date: 01/15/2010
Action: Monitoring Report - Semi-Annually

Global Id: T0603701940
Action Type: RESPONSE
Date: 07/15/2014
Action: Monitoring Report - Semi-Annually

ENF:

Region: 4
Facility Id: 242342
Agency Name: Not reported
Place Type: Service/Commercial
Place Subtype: Service/Commercial Site, NEC
Facility Type: All other facilities
Agency Type: Not reported
Of Agencies: Not reported
Place Latitude: 33.776801
Place Longitude: -118.219305
SIC Code 1: 5171
SIC Desc 1: Petroleum Bulk Stations and Terminals
SIC Code 2: Not reported
SIC Desc 2: Not reported
SIC Code 3: Not reported
SIC Desc 3: Not reported
NAICS Code 1: Not reported
NAICS Desc 1: Not reported
NAICS Code 2: Not reported
NAICS Desc 2: Not reported
NAICS Code 3: Not reported
NAICS Desc 3: Not reported
Of Places: 1
Source Of Facility: Enf Action
Design Flow: Not reported
Threat To Water Quality: Not reported
Complexity: Not reported
Pretreatment: Not reported
Facility Waste Type: Not reported
Facility Waste Type 2: Not reported
Facility Waste Type 3: Not reported
Facility Waste Type 4: Not reported
Program: Not reported
Program Category1: Not reported
Program Category2: NPDESWW
Of Programs: Not reported
WDID: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PETRO DIAMOND MARINE TERMINAL (Continued)

S103638623

Reg Measure Id:	Not reported
Reg Measure Type:	Not reported
Region:	Not reported
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Not reported
Status Date:	Not reported
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Not reported
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Not reported
Enforcement Id(EID):	253431
Region:	4
Order / Resolution Number:	NOV
Enforcement Action Type:	Notice of Violation
Effective Date:	05/18/2004
Adoption/Issuance Date:	05/18/2004
Achieve Date:	Not reported
Termination Date:	05/18/2004
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	NOV sent 5/18/04 for overdue 1Q04 DMR
Description:	NOV sent 5/18/04 for overdue 1Q04 DMR.
Program:	NPDESWW
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0.00
Initial Assessed Amount:	0.00
Liability \$ Amount:	0.00
Project \$ Amount:	0.00
Liability \$ Paid:	0.00
Project \$ Completed:	0.00
Total \$ Paid/Completed Amount:	0.00
Region:	4
Facility Id:	242342
Agency Name:	Petro Diamond Terminal Company
Place Type:	Service/Commercial
Place Subtype:	Service/Commercial Site, NEC
Facility Type:	All other facilities
Agency Type:	Privately-Owned Business

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PETRO DIAMOND MARINE TERMINAL (Continued)

S103638623

# Of Agencies:	1
Place Latitude:	33.776801
Place Longitude:	-118.219305
SIC Code 1:	5171
SIC Desc 1:	Petroleum Bulk Stations and Terminals
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0.06
Threat To Water Quality:	3
Complexity:	B
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Stormwater runoff
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDESWW
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	4B192197001
Reg Measure Id:	132049
Reg Measure Type:	NPDES Permits
Region:	4
Order #:	R4-2002-0150
Npdes# CA#:	CA0059358
Major-Minor:	Minor
Npdes Type:	OTH
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	03/17/2014
Effective Date:	09/26/2002
Expiration/Review Date:	09/26/2007
Termination Date:	05/02/2008
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	353081

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PETRO DIAMOND MARINE TERMINAL (Continued)

S103638623

Region: 4
Order / Resolution Number: R4-2008-0071-M
Enforcement Action Type: Admin Civil Liability
Effective Date: 09/23/2008
Adoption/Issuance Date: 01/22/2009
Achieve Date: Not reported
Termination Date: 02/02/2009
ACL Issuance Date: 09/23/2008
EPL Issuance Date: Not reported
Status: Historical
Title: Expedited Settlement Ltr sent 9/23/08 for 3 late monitoring reports.
Description: Expedited Settlement Ltr sent 9/23/08 for 3 late monitoring reports. MMP amt for 3 late reports: \$9,000 to CAA.

Program: NPDESWW
Latest Milestone Completion Date: 3/2/2009
Of Programs1: 1
Total Assessment Amount: 9,000.00
Initial Assessed Amount: 9,000.00
Liability \$ Amount: 9,000.00
Project \$ Amount: 0.00
Liability \$ Paid: 9,000.00
Project \$ Completed: 0.00
Total \$ Paid/Completed Amount: 9,000.00

Region: 4
Facility Id: 242342
Agency Name: Petro Diamond Terminal Company
Place Type: Service/Commercial
Place Subtype: Service/Commercial Site, NEC
Facility Type: All other facilities
Agency Type: Privately-Owned Business
Of Agencies: 1
Place Latitude: 33.776801
Place Longitude: -118.219305
SIC Code 1: 5171
SIC Desc 1: Petroleum Bulk Stations and Terminals
SIC Code 2: Not reported
SIC Desc 2: Not reported
SIC Code 3: Not reported
SIC Desc 3: Not reported
NAICS Code 1: Not reported
NAICS Desc 1: Not reported
NAICS Code 2: Not reported
NAICS Desc 2: Not reported
NAICS Code 3: Not reported
NAICS Desc 3: Not reported
Of Places: 1
Source Of Facility: Reg Meas
Design Flow: 0.06
Threat To Water Quality: 3
Complexity: B
Pretreatment: X - Facility is not a POTW
Facility Waste Type: Stormwater runoff
Facility Waste Type 2: Not reported
Facility Waste Type 3: Not reported
Facility Waste Type 4: Not reported
Program: NPDESWW

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PETRO DIAMOND MARINE TERMINAL (Continued)

S103638623

Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	4B192197001
Reg Measure Id:	135524
Reg Measure Type:	NPDES Permits
Region:	4
Order #:	95-009
Npdes# CA#:	CA0059358
Major-Minor:	Minor
Npdes Type:	OTH
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	01/23/1995
Effective Date:	01/23/1995
Expiration/Review Date:	12/10/1999
Termination Date:	09/25/2002
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	333348
Region:	4
Order / Resolution Number:	NOV
Enforcement Action Type:	Notice of Violation
Effective Date:	09/28/2007
Adoption/Issuance Date:	09/28/2007
Achieve Date:	Not reported
Termination Date:	09/28/2007
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	NOV sent 9/28/07 for various effluent & reporting violations.
Description:	NOV sent 9/28/07 for various effluent & reporting violations: 2 overdue DMRs; 5 late DMRs; 29 report deficiencies.
Program:	NPDESWW
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0.00
Initial Assessed Amount:	0.00
Liability \$ Amount:	0.00
Project \$ Amount:	0.00
Liability \$ Paid:	0.00
Project \$ Completed:	0.00
Total \$ Paid/Completed Amount:	0.00

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PETRO DIAMOND MARINE TERMINAL (Continued)

S103638623

ENVIROSTOR:

Facility ID: 71002369
Status: Refer: Other Agency
Status Date: Not reported
Site Code: Not reported
Site Type: Tiered Permit
Site Type Detailed: Tiered Permit
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Not reported
Division Branch: Cleanup Chatsworth
Assembly: 70
Senate: 33
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 33.77679
Longitude: -118.2192
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAD040954521
Alias Type: EPA Identification Number
Alias Name: 71002369
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase I Verification
Completed Date: 10/14/1998
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

229
East
1/2-1
0.993 mi.
5245 ft.

ROOSEVELT ELEMENTARY SCHOOL
1574 LINDEN AVENUE
LONG BEACH, CA 90813

CA SCH
CA NPDES
CA ENVIROSTOR

S102806961
N/A

Relative:
Higher

SCH:

Actual:
36 ft.

Facility ID: 60001492
Site Type: School Investigation
Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED
Acres: 5
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Ivy Osornio
Supervisor: Shahir Haddad
Division Branch: Southern California Schools & Brownfields Outreach
Site Code: 404863
Assembly: 70
Senate: 33
Special Program Status: Not reported
Status: No Further Action
Status Date: 01/17/2012
Restricted Use: NO
Funding: School District
Latitude: 33.7865
Longitude: -118.186
APN: NONE SPECIFIED
Past Use: RESIDENTIAL AREA, SCHOOL - ELEMENTARY
Potential COC: Under Investigation
Confirmed COC: NONE SPECIFIED
Potential Description: UE
Alias Name: 404863
Alias Type: Project Code (Site Code)
Alias Name: 60001492
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 07/25/2011
Comments: DTSC issued a Phase I Addendum required determination based on the Phase I report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1 Addendum
Completed Date: 01/12/2012
Comments: DTSC approved the Phase I Addendum with a No Further Action determination

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 01/13/2012
Comments: DTSC prepared a project closeout Cost Recovery Unit Memorandum

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ROOSEVELT ELEMENTARY SCHOOL (Continued)

S102806961

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

NPDES:

Npdes Number: CAS000002
Facility Status: Terminated
Agency Id: 0
Region: 4
Regulatory Measure Id: 429122
Order No: 2009-0009-DWQ
Regulatory Measure Type: Enrollee
Place Id: Not reported
WDID: 4 19C364095
Program Type: Construction
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: 07/17/2012
Expiration Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: 03/20/2013
Discharge Name: Long Beach Unified School District
Discharge Address: 2425 Webster Avenue
Discharge City: Long Beach
Discharge State: California
Discharge Zip: 90810
RECEIVED DATE: Not reported
PROCESSED DATE: Not reported
STATUS CODE NAME: Not reported
STATUS DATE: Not reported
PLACE SIZE: Not reported
PLACE SIZE UNIT: Not reported
FACILITY CONTACT NAME: Not reported
FACILITY CONTACT TITLE: Not reported
FACILITY CONTACT PHONE: Not reported
FACILITY CONTACT PHONE EXT: Not reported
FACILITY CONTACT EMAIL: Not reported
OPERATOR NAME: Not reported
OPERATOR ADDRESS: Not reported
OPERATOR CITY: Not reported
OPERATOR STATE: Not reported
OPERATOR ZIP: Not reported
OPERATOR CONTACT NAME: Not reported
OPERATOR CONTACT TITLE: Not reported
OPERATOR CONTACT PHONE: Not reported
OPERATOR CONTACT PHONE EXT: Not reported
OPERATOR CONTACT EMAIL: Not reported
OPERATOR TYPE: Not reported
DEVELOPER NAME: Not reported
DEVELOPER ADDRESS: Not reported
DEVELOPER CITY: Not reported
DEVELOPER STATE: Not reported
DEVELOPER ZIP: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ROOSEVELT ELEMENTARY SCHOOL (Continued)

S102806961

DEVELOPER CONTACT NAME: Not reported
DEVELOPER CONTACT TITLE: Not reported
CONSTYPE LINEAR UTILITY IND: Not reported
EMERGENCY PHONE NO: Not reported
EMERGENCY PHONE EXT: Not reported
CONSTYPE ABOVE GROUND IND: Not reported
CONSTYPE BELOW GROUND IND: Not reported
CONSTYPE CABLE LINE IND: Not reported
CONSTYPE COMM LINE IND: Not reported
CONSTYPE COMMERTIAL IND: Not reported
CONSTYPE ELECTRICAL LINE IND: Not reported
CONSTYPE GAS LINE IND: Not reported
CONSTYPE INDUSTRIAL IND: Not reported
CONSTYPE OTHER DESRIPTION: Not reported
CONSTYPE OTHER IND: Not reported
CONSTYPE RECONS IND: Not reported
CONSTYPE RESIDENTIAL IND: Not reported
CONSTYPE TRANSPORT IND: Not reported
CONSTYPE UTILITY DESCRIPTION: Not reported
CONSTYPE UTILITY IND: Not reported
CONSTYPE WATER SEWER IND: Not reported
DIR DISCHARGE USWATER IND: Not reported
RECEIVING WATER NAME: Not reported
CERTIFIER NAME: Not reported
CERTIFIER TITLE: Not reported
CERTIFICATION DATE: Not reported
PRIMARY SIC: Not reported
SECONDARY SIC: Not reported
TERTIARY SIC: Not reported

Npdes Number: CAS000002
Facility Status: Active
Agency Id: 0
Region: 4
Regulatory Measure Id: 439655
Order No: 2009-0009-DWQ
Regulatory Measure Type: Enrollee
Place Id: Not reported
WDID: 4 19C367902
Program Type: Construction
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: 10/04/2013
Expiration Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported
Discharge Name: Long Beach Unified School District
Discharge Address: 2425 Webster Avenue
Discharge City: Long Beach
Discharge State: California
Discharge Zip: 90810
RECEIVED DATE: Not reported
PROCESSED DATE: Not reported
STATUS CODE NAME: Not reported
STATUS DATE: Not reported
PLACE SIZE: Not reported
PLACE SIZE UNIT: Not reported
FACILITY CONTACT NAME: Not reported
FACILITY CONTACT TITLE: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ROOSEVELT ELEMENTARY SCHOOL (Continued)

S102806961

FACILITY CONTACT PHONE:	Not reported
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	Not reported
OPERATOR ADDRESS:	Not reported
OPERATOR CITY:	Not reported
OPERATOR STATE:	Not reported
OPERATOR ZIP:	Not reported
OPERATOR CONTACT NAME:	Not reported
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	Not reported
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Not reported
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	Not reported
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported
Npdes Number:	Not reported
Facility Status:	Not reported
Agency Id:	Not reported
Region:	4
Regulatory Measure Id:	439655
Order No:	Not reported
Regulatory Measure Type:	Construction
Place Id:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ROOSEVELT ELEMENTARY SCHOOL (Continued)

S102806961

WDID:	4 19C367902
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
RECEIVED DATE:	10/03/2013
PROCESSED DATE:	10/04/2013
STATUS CODE NAME:	Active
STATUS DATE:	10/04/2013
PLACE SIZE:	4.41
PLACE SIZE UNIT:	Acres
FACILITY CONTACT NAME:	Tom Rizzuti
FACILITY CONTACT TITLE:	Administrative Coordinator
FACILITY CONTACT PHONE:	562-997-7552
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	trizzuti@lbschools.net
OPERATOR NAME:	Long Beach Unified School District
OPERATOR ADDRESS:	2425 Webster Avenue
OPERATOR CITY:	Long Beach
OPERATOR STATE:	California
OPERATOR ZIP:	90810
OPERATOR CONTACT NAME:	Tom Rizzuti
OPERATOR CONTACT TITLE:	Administrative Coordinator
OPERATOR CONTACT PHONE:	562-997-7552
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	trizzuti@lbschools.net
OPERATOR TYPE:	Special District
DEVELOPER NAME:	Tilden Coil Constructors
DEVELOPER ADDRESS:	3612 Mission Inn Avenue
DEVELOPER CITY:	Riverside
DEVELOPER STATE:	California
DEVELOPER ZIP:	92501
DEVELOPER CONTACT NAME:	David Joseph
DEVELOPER CONTACT TITLE:	Superintendent
CONSTYPE LINEAR UTILITY IND:	N
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	N
CONSTYPE BELOW GROUND IND:	N
CONSTYPE CABLE LINE IND:	N
CONSTYPE COMM LINE IND:	N
CONSTYPE COMMERTIAL IND:	N
CONSTYPE ELECTRICAL LINE IND:	N
CONSTYPE GAS LINE IND:	N
CONSTYPE INDUSTRIAL IND:	N
CONSTYPE OTHER DESRIPTION:	Public Elementary School
CONSTYPE OTHER IND:	Y
CONSTYPE RECONS IND:	N
CONSTYPE RESIDENTIAL IND:	N
CONSTYPE TRANSPORT IND:	N
CONSTYPE UTILITY DESCRIPTION:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ROOSEVELT ELEMENTARY SCHOOL (Continued)

S102806961

CONSTYPE UTILITY IND:	N
CONSTYPE WATER SEWER IND:	N
DIR DISCHARGE USWATER IND:	N
RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	Tom Rizzuti
CERTIFIER TITLE:	Administrative Coordinator
CERTIFICATION DATE:	13-MAY-14
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported
Npdes Number:	Not reported
Facility Status:	Not reported
Agency Id:	Not reported
Region:	4
Regulatory Measure Id:	429122
Order No:	Not reported
Regulatory Measure Type:	Construction
Place Id:	Not reported
WDID:	4 19C364095
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	03/20/2013
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
RECEIVED DATE:	07/16/2012
PROCESSED DATE:	07/17/2012
STATUS CODE NAME:	Terminated
STATUS DATE:	07/29/2013
PLACE SIZE:	4.43
PLACE SIZE UNIT:	Acres
FACILITY CONTACT NAME:	Robert Krzyszkowski
FACILITY CONTACT TITLE:	Project Superintendent
FACILITY CONTACT PHONE:	951-538-8352
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	rkrzyszkowski@tilden-coil.com
OPERATOR NAME:	Long Beach Unified School District
OPERATOR ADDRESS:	2425 Webster Avenue
OPERATOR CITY:	Long Beach
OPERATOR STATE:	California
OPERATOR ZIP:	90810
OPERATOR CONTACT NAME:	Vince Marchetti
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	562-997-7550
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	vmarchetti@lbschools.net
OPERATOR TYPE:	Special District
DEVELOPER NAME:	Tilden Coil Constructors
DEVELOPER ADDRESS:	3612 Mission Inn Avenue
DEVELOPER CITY:	Riverside
DEVELOPER STATE:	California
DEVELOPER ZIP:	92501

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ROOSEVELT ELEMENTARY SCHOOL (Continued)

S102806961

DEVELOPER CONTACT NAME: Robert Krzyszkowski
DEVELOPER CONTACT TITLE: Project Superintendent
CONSTYPE LINEAR UTILITY IND: N
EMERGENCY PHONE NO: 951-684-5901
EMERGENCY PHONE EXT: Not reported
CONSTYPE ABOVE GROUND IND: Not reported
CONSTYPE BELOW GROUND IND: Not reported
CONSTYPE CABLE LINE IND: Not reported
CONSTYPE COMM LINE IND: Not reported
CONSTYPE COMMERTIAL IND: Not reported
CONSTYPE ELECTRICAL LINE IND: Not reported
CONSTYPE GAS LINE IND: Not reported
CONSTYPE INDUSTRIAL IND: Not reported
CONSTYPE OTHER DESCRIPTION: Public Elementary School
CONSTYPE OTHER IND: Y
CONSTYPE RECONS IND: Not reported
CONSTYPE RESIDENTIAL IND: Not reported
CONSTYPE TRANSPORT IND: Not reported
CONSTYPE UTILITY DESCRIPTION: Not reported
CONSTYPE UTILITY IND: Not reported
CONSTYPE WATER SEWER IND: Not reported
DIR DISCHARGE USWATER IND: N
RECEIVING WATER NAME: Not reported
CERTIFIER NAME: Vince Marchetti
CERTIFIER TITLE: Not reported
CERTIFICATION DATE: 16-JUL-12
PRIMARY SIC: Not reported
SECONDARY SIC: Not reported
TERTIARY SIC: Not reported

ENVIROSTOR:

Facility ID: 60001492
Status: No Further Action
Status Date: 01/17/2012
Site Code: 404863
Site Type: School Investigation
Site Type Detailed: School
Acres: 5
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Ivy Osornio
Supervisor: Shahir Haddad
Division Branch: Southern California Schools & Brownfields Outreach
Assembly: 70
Senate: 33
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: School District
Latitude: 33.7865
Longitude: -118.186
APN: NONE SPECIFIED
Past Use: RESIDENTIAL AREA, SCHOOL - ELEMENTARY
Potential COC: Under Investigation
Confirmed COC: NONE SPECIFIED
Potential Description: UE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ROOSEVELT ELEMENTARY SCHOOL (Continued)

S102806961

Alias Name: 404863
Alias Type: Project Code (Site Code)
Alias Name: 60001492
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 07/25/2011
Comments: DTSC issued a Phase I Addendum required determination based on the Phase I report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1 Addendum
Completed Date: 01/12/2012
Comments: DTSC approved the Phase I Addendum with a No Further Action determination

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 01/13/2012
Comments: DTSC prepared a project closeout Cost Recovery Unit Memorandum

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

Count: 26 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
CARSON	1003878479	TCL DUMP	TERMINAL ISL FWY & ANAHEIM ST	90810	CERC-NFRAP
LONG BEACH	S111413303		IN ALLEY BEHIND 6740 PARAMOUNT	90813	CA CDL
LONG BEACH	S107537493		ALLEY BEHIND 1608 PINE AVE	90806	CA CDL
LONG BEACH	S107537506		ALLEY, REAR OF 6712 GARDENIA	90810	CA CDL
LONG BEACH	S116680376	GAS STATION	490 ANAHEIM ST W	90813	CA LUST
LONG BEACH	U003660238	CITY OF L.B. RECREATION PARK GC	5000 E ANAHEIM ST		CA LUST, CA UST
LONG BEACH	S107529977		1819 ANAHEIM ST	90810	CA CDL
LONG BEACH	S105911442	GLENN E. THOMAS AUTO (FORMER)	340 ANAHEIM	90813	CA SLIC
LONG BEACH	S109821571	ASCON CONSTRUCTION - LONG BEACH	2725 ATLANTIC AVE., LONG BEACH		CA SWF/LF
LONG BEACH	S115779963	ROOSEVELT ELEMENTARY SCHOOL - SOUT	SW CORNER OF ATLANTIC AVE. & 1	90813	CA SCH, CA ENVIROSTOR
LONG BEACH	U003660592	DOUGLAS BROS PRODUCE CO	0648 W COWLES ST		CA HIST CORTESE, CA LUST, CA US
LONG BEACH	S107535929		710 FREEWAY & PACIFIC COAST HW		CA CDL
LONG BEACH	1000238243	HUGH J RESINS CO	2267 W GAYLORD	90813	CERC-NFRAP, CORRACTS, RCRA-S
					RAATS, CA HAZNET
LONG BEACH	S102360870	WEISSKER, HERMAN INC.	ORANGE ST. & SPRING ST., LONG		CA SWF/LF
LONG BEACH	S105721795	STATEWIDE BUSINESS PARK	SAN DIEGO	90806	CA SLIC
LONG BEACH	S111076046	PUBLIC SERVICE TRANSFER STATION #1	EAST SIDE OF 710 FWY BETWEEN A	90806	CA SWF/LF
WILMINGTON	S107737808		ALLEY, BEHIND 1720 FRIES AVE	90744	CA CDL
WILMINGTON	S107869647	ACTA PARCEL PS-1524	ANAHEIM STREET PUMP STATION	90744	CA SLIC
WILMINGTON	S106387067	WILMINGTON TOWN LOT #369, 371, 372	ANAHEIM	90744	CA SLIC
WILMINGTON	S106387123	ACTA SOUTH - PARCEL PCH-1537	1640 PACIFIC COAST	90744	CA SLIC
WILMINGTON	S107472917	EXPRESS DIESEL	1430 PACIFIC COAST HWY	90744	CA LUST
WILMINGTON	S106387096	ACTA SOUTH - PCH GRADE SEPARATION	PACIFIC COAST	90744	CA SLIC
WILMINGTON	S106387125	ACTA SOUTH - PARCEL PCH-1539	1710 PACIFIC COAST	90744	CA SLIC
WILMINGTON	S106387124	ACTA SOUTH - PARCEL PCH-1538	1700 PACIFIC COAST	90744	CA SLIC
WILMINGTON	S106483368	ACTA PARCEL PCH-1542	1828, 1830 PACIFIC COAST	90744	CA SLIC
WILMINGTON	S107540558		SAMPSON ST NORTH OF ANAHEIM	90744	CA CDL

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 12/16/2014	Source: EPA
Date Data Arrived at EDR: 01/08/2015	Telephone: N/A
Date Made Active in Reports: 02/09/2015	Last EDR Contact: 04/08/2015
Number of Days to Update: 32	Next Scheduled EDR Contact: 07/20/2015
	Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 12/16/2014	Source: EPA
Date Data Arrived at EDR: 01/08/2015	Telephone: N/A
Date Made Active in Reports: 02/09/2015	Last EDR Contact: 04/08/2015
Number of Days to Update: 32	Next Scheduled EDR Contact: 07/20/2015
	Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991	Source: EPA
Date Data Arrived at EDR: 02/02/1994	Telephone: 202-564-4267
Date Made Active in Reports: 03/30/1994	Last EDR Contact: 08/15/2011
Number of Days to Update: 56	Next Scheduled EDR Contact: 11/28/2011
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal Delisted NPL site list

DELISTED NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 12/16/2014	Source: EPA
Date Data Arrived at EDR: 01/08/2015	Telephone: N/A
Date Made Active in Reports: 02/09/2015	Last EDR Contact: 04/08/2015
Number of Days to Update: 32	Next Scheduled EDR Contact: 07/20/2015
	Data Release Frequency: Quarterly

Federal CERCLIS list

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 10/25/2013	Source: EPA
Date Data Arrived at EDR: 11/11/2013	Telephone: 703-412-9810
Date Made Active in Reports: 02/13/2014	Last EDR Contact: 05/29/2015
Number of Days to Update: 94	Next Scheduled EDR Contact: 09/07/2015
	Data Release Frequency: Quarterly

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 03/26/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/08/2015	Telephone: 703-603-8704
Date Made Active in Reports: 06/11/2015	Last EDR Contact: 04/08/2015
Number of Days to Update: 64	Next Scheduled EDR Contact: 07/20/2015
	Data Release Frequency: Varies

Federal CERCLIS NFRAP site List

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 10/25/2013	Source: EPA
Date Data Arrived at EDR: 11/11/2013	Telephone: 703-412-9810
Date Made Active in Reports: 02/13/2014	Last EDR Contact: 05/29/2015
Number of Days to Update: 94	Next Scheduled EDR Contact: 09/07/2015
	Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/10/2015
Date Data Arrived at EDR: 03/31/2015
Date Made Active in Reports: 06/11/2015
Number of Days to Update: 72

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 03/31/2015
Next Scheduled EDR Contact: 07/13/2015
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 03/10/2015
Date Data Arrived at EDR: 03/31/2015
Date Made Active in Reports: 06/11/2015
Number of Days to Update: 72

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/31/2015
Next Scheduled EDR Contact: 07/13/2015
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/10/2015
Date Data Arrived at EDR: 03/31/2015
Date Made Active in Reports: 06/11/2015
Number of Days to Update: 72

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/31/2015
Next Scheduled EDR Contact: 07/13/2015
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 03/10/2015
Date Data Arrived at EDR: 03/31/2015
Date Made Active in Reports: 06/11/2015
Number of Days to Update: 72

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/31/2015
Next Scheduled EDR Contact: 07/13/2015
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/10/2015
Date Data Arrived at EDR: 03/31/2015
Date Made Active in Reports: 06/11/2015
Number of Days to Update: 72

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/31/2015
Next Scheduled EDR Contact: 07/13/2015
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal institutional controls / engineering controls registries

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 03/16/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/17/2015	Telephone: 703-603-0695
Date Made Active in Reports: 06/02/2015	Last EDR Contact: 06/01/2015
Number of Days to Update: 77	Next Scheduled EDR Contact: 09/14/2015
	Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 03/16/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/17/2015	Telephone: 703-603-0695
Date Made Active in Reports: 06/02/2015	Last EDR Contact: 06/01/2015
Number of Days to Update: 77	Next Scheduled EDR Contact: 09/14/2015
	Data Release Frequency: Varies

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 05/28/2015	Source: Department of the Navy
Date Data Arrived at EDR: 05/29/2015	Telephone: 843-820-7326
Date Made Active in Reports: 06/11/2015	Last EDR Contact: 05/18/2015
Number of Days to Update: 13	Next Scheduled EDR Contact: 08/31/2015
	Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 03/30/2015	Source: National Response Center, United States Coast Guard
Date Data Arrived at EDR: 03/31/2015	Telephone: 202-267-2180
Date Made Active in Reports: 06/02/2015	Last EDR Contact: 03/31/2015
Number of Days to Update: 63	Next Scheduled EDR Contact: 07/13/2015
	Data Release Frequency: Annually

State- and tribal - equivalent NPL

RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 05/04/2015	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 05/05/2015	Telephone: 916-323-3400
Date Made Active in Reports: 05/14/2015	Last EDR Contact: 05/05/2015
Number of Days to Update: 9	Next Scheduled EDR Contact: 08/17/2015
	Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifies sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

Date of Government Version: 05/04/2015	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 05/05/2015	Telephone: 916-323-3400
Date Made Active in Reports: 05/14/2015	Last EDR Contact: 05/05/2015
Number of Days to Update: 9	Next Scheduled EDR Contact: 08/17/2015
	Data Release Frequency: Quarterly

State and tribal landfill and/or solid waste disposal site lists

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inventory of solid waste disposal facilities or landfills. These may be active or inactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 05/18/2015	Source: Department of Resources Recycling and Recovery
Date Data Arrived at EDR: 05/20/2015	Telephone: 916-341-6320
Date Made Active in Reports: 06/05/2015	Last EDR Contact: 05/20/2015
Number of Days to Update: 16	Next Scheduled EDR Contact: 08/31/2015
	Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

LUST REG 6L: Leaking Underground Storage Tank Case Listing

For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003	Source: California Regional Water Quality Control Board Lahontan Region (6)
Date Data Arrived at EDR: 09/10/2003	Telephone: 530-542-5572
Date Made Active in Reports: 10/07/2003	Last EDR Contact: 09/12/2011
Number of Days to Update: 27	Next Scheduled EDR Contact: 12/26/2011
	Data Release Frequency: No Update Planned

LUST REG 5: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calaveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 07/01/2008	Source: California Regional Water Quality Control Board Central Valley Region (5)
Date Data Arrived at EDR: 07/22/2008	Telephone: 916-464-4834
Date Made Active in Reports: 07/31/2008	Last EDR Contact: 07/01/2011
Number of Days to Update: 9	Next Scheduled EDR Contact: 10/17/2011
	Data Release Frequency: No Update Planned

LUST REG 4: Underground Storage Tank Leak List

Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004	Source: California Regional Water Quality Control Board Los Angeles Region (4)
Date Data Arrived at EDR: 09/07/2004	Telephone: 213-576-6710
Date Made Active in Reports: 10/12/2004	Last EDR Contact: 09/06/2011
Number of Days to Update: 35	Next Scheduled EDR Contact: 12/19/2011
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LUST REG 3: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003
Date Data Arrived at EDR: 05/19/2003
Date Made Active in Reports: 06/02/2003
Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-542-4786
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

LUST REG 2: Fuel Leak List

Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: Quarterly

LUST REG 1: Active Toxic Site Investigation

Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001
Date Data Arrived at EDR: 02/28/2001
Date Made Active in Reports: 03/29/2001
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-570-3769
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST: Geotracker's Leaking Underground Fuel Tank Report

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state. For more information on a particular leaking underground storage tank sites, please contact the appropriate regulatory agency.

Date of Government Version: 03/13/2015
Date Data Arrived at EDR: 03/18/2015
Date Made Active in Reports: 03/24/2015
Number of Days to Update: 6

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 03/18/2015
Next Scheduled EDR Contact: 06/29/2015
Data Release Frequency: Quarterly

LUST REG 6V: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005
Date Data Arrived at EDR: 06/07/2005
Date Made Active in Reports: 06/29/2005
Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-241-7365
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 7: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004
Date Data Arrived at EDR: 02/26/2004
Date Made Active in Reports: 03/24/2004
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-776-8943
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LUST REG 8: Leaking Underground Storage Tanks

California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 03/28/2005
Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4496
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: Varies

LUST REG 9: Leaking Underground Storage Tank Report

Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001
Date Data Arrived at EDR: 04/23/2001
Date Made Active in Reports: 05/21/2001
Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-637-5595
Last EDR Contact: 09/26/2011
Next Scheduled EDR Contact: 01/09/2012
Data Release Frequency: No Update Planned

SLIC: Statewide SLIC Cases

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 03/13/2015
Date Data Arrived at EDR: 03/18/2015
Date Made Active in Reports: 03/24/2015
Number of Days to Update: 6

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/18/2015
Next Scheduled EDR Contact: 06/29/2015
Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003
Date Data Arrived at EDR: 04/07/2003
Date Made Active in Reports: 04/25/2003
Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: Quarterly

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006
Date Data Arrived at EDR: 05/18/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004
Date Data Arrived at EDR: 11/18/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: Varies

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005
Date Data Arrived at EDR: 04/05/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Semi-Annually

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005
Date Data Arrived at EDR: 05/25/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: Semi-Annually

SLIC REG 6L: SLIC Sites

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004
Date Data Arrived at EDR: 11/29/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 36

Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008
Date Data Arrived at EDR: 04/03/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 11

Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007
Date Data Arrived at EDR: 09/11/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 17

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 08/08/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: Annually

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 02/03/2015
Date Data Arrived at EDR: 02/12/2015
Date Made Active in Reports: 03/13/2015
Number of Days to Update: 29

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 04/27/2015
Next Scheduled EDR Contact: 08/10/2015
Data Release Frequency: Quarterly

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 01/28/2015
Date Data Arrived at EDR: 01/30/2015
Date Made Active in Reports: 03/13/2015
Number of Days to Update: 42

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 04/27/2015
Next Scheduled EDR Contact: 08/10/2015
Data Release Frequency: Quarterly

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 09/23/2014
Date Data Arrived at EDR: 11/25/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 65

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 04/27/2015
Next Scheduled EDR Contact: 08/10/2015
Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land

Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 01/30/2015
Date Data Arrived at EDR: 02/05/2015
Date Made Active in Reports: 03/09/2015
Number of Days to Update: 32

Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 04/27/2015
Next Scheduled EDR Contact: 08/10/2015
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 01/23/2015
Date Data Arrived at EDR: 02/10/2015
Date Made Active in Reports: 03/13/2015
Number of Days to Update: 31

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 01/26/2015
Next Scheduled EDR Contact: 05/11/2015
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 09/30/2014
Date Data Arrived at EDR: 03/03/2015
Date Made Active in Reports: 03/13/2015
Number of Days to Update: 10

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 04/27/2015
Next Scheduled EDR Contact: 08/10/2015
Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 02/01/2013	Source: EPA Region 1
Date Data Arrived at EDR: 05/01/2013	Telephone: 617-918-1313
Date Made Active in Reports: 11/01/2013	Last EDR Contact: 04/03/2015
Number of Days to Update: 184	Next Scheduled EDR Contact: 08/10/2015
	Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 01/08/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/08/2015	Telephone: 415-972-3372
Date Made Active in Reports: 02/09/2015	Last EDR Contact: 01/08/2015
Number of Days to Update: 32	Next Scheduled EDR Contact: 05/11/2015
	Data Release Frequency: Quarterly

State and tribal registered storage tank lists

UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 03/13/2015	Source: SWRCB
Date Data Arrived at EDR: 03/18/2015	Telephone: 916-341-5851
Date Made Active in Reports: 03/26/2015	Last EDR Contact: 03/18/2015
Number of Days to Update: 8	Next Scheduled EDR Contact: 06/29/2015
	Data Release Frequency: Semi-Annually

AST: Aboveground Petroleum Storage Tank Facilities

A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 08/01/2009	Source: California Environmental Protection Agency
Date Data Arrived at EDR: 09/10/2009	Telephone: 916-327-5092
Date Made Active in Reports: 10/01/2009	Last EDR Contact: 07/13/2015
Number of Days to Update: 21	Next Scheduled EDR Contact: 04/13/2015
	Data Release Frequency: Quarterly

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 02/01/2013	Source: EPA, Region 1
Date Data Arrived at EDR: 05/01/2013	Telephone: 617-918-1313
Date Made Active in Reports: 01/27/2014	Last EDR Contact: 04/28/2015
Number of Days to Update: 271	Next Scheduled EDR Contact: 08/10/2015
	Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 09/30/2014	Source: EPA Region 4
Date Data Arrived at EDR: 03/03/2015	Telephone: 404-562-9424
Date Made Active in Reports: 03/13/2015	Last EDR Contact: 04/27/2015
Number of Days to Update: 10	Next Scheduled EDR Contact: 08/10/2015
	Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 01/30/2015	Source: EPA Region 5
Date Data Arrived at EDR: 02/05/2015	Telephone: 312-886-6136
Date Made Active in Reports: 03/13/2015	Last EDR Contact: 04/27/2015
Number of Days to Update: 36	Next Scheduled EDR Contact: 08/10/2015
	Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 01/23/2015	Source: EPA Region 6
Date Data Arrived at EDR: 02/13/2015	Telephone: 214-665-7591
Date Made Active in Reports: 03/13/2015	Last EDR Contact: 01/26/2015
Number of Days to Update: 28	Next Scheduled EDR Contact: 05/11/2015
	Data Release Frequency: Semi-Annually

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 09/23/2014	Source: EPA Region 7
Date Data Arrived at EDR: 11/25/2014	Telephone: 913-551-7003
Date Made Active in Reports: 01/29/2015	Last EDR Contact: 04/27/2015
Number of Days to Update: 65	Next Scheduled EDR Contact: 08/10/2015
	Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 01/29/2015	Source: EPA Region 8
Date Data Arrived at EDR: 01/30/2015	Telephone: 303-312-6137
Date Made Active in Reports: 03/13/2015	Last EDR Contact: 04/27/2015
Number of Days to Update: 42	Next Scheduled EDR Contact: 08/10/2015
	Data Release Frequency: Quarterly

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 12/14/2014	Source: EPA Region 9
Date Data Arrived at EDR: 02/13/2015	Telephone: 415-972-3368
Date Made Active in Reports: 03/13/2015	Last EDR Contact: 01/26/2015
Number of Days to Update: 28	Next Scheduled EDR Contact: 05/11/2015
	Data Release Frequency: Quarterly

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 02/03/2015	Source: EPA Region 10
Date Data Arrived at EDR: 02/12/2015	Telephone: 206-553-2857
Date Made Active in Reports: 03/13/2015	Last EDR Contact: 04/27/2015
Number of Days to Update: 29	Next Scheduled EDR Contact: 08/10/2015
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010
Date Data Arrived at EDR: 02/16/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 55

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 04/13/2015
Next Scheduled EDR Contact: 07/27/2015
Data Release Frequency: Varies

State and tribal voluntary cleanup sites

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 09/29/2014
Date Data Arrived at EDR: 10/01/2014
Date Made Active in Reports: 11/06/2014
Number of Days to Update: 36

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 04/02/2015
Next Scheduled EDR Contact: 07/13/2015
Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

VCP: Voluntary Cleanup Program Properties

Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 05/04/2015
Date Data Arrived at EDR: 05/05/2015
Date Made Active in Reports: 05/14/2015
Number of Days to Update: 9

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 05/05/2015
Next Scheduled EDR Contact: 08/17/2015
Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 03/23/2015
Date Data Arrived at EDR: 03/24/2015
Date Made Active in Reports: 06/02/2015
Number of Days to Update: 70

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 03/24/2015
Next Scheduled EDR Contact: 07/06/2015
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 04/23/2015
Next Scheduled EDR Contact: 08/10/2015
Data Release Frequency: No Update Planned

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SWRCY: Recycler Database

A listing of recycling facilities in California.

Date of Government Version: 03/16/2015
Date Data Arrived at EDR: 03/18/2015
Date Made Active in Reports: 03/26/2015
Number of Days to Update: 8

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 03/18/2015
Next Scheduled EDR Contact: 06/29/2015
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing

A listing of registered waste tire haulers.

Date of Government Version: 05/26/2015
Date Data Arrived at EDR: 05/28/2015
Date Made Active in Reports: 06/05/2015
Number of Days to Update: 8

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 05/18/2015
Next Scheduled EDR Contact: 08/31/2015
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 05/01/2015
Next Scheduled EDR Contact: 08/17/2015
Data Release Frequency: Varies

WMUDS/SWAT: Waste Management Unit Database

Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000
Date Data Arrived at EDR: 04/10/2000
Date Made Active in Reports: 05/10/2000
Number of Days to Update: 30

Source: State Water Resources Control Board
Telephone: 916-227-4448
Last EDR Contact: 05/06/2015
Next Scheduled EDR Contact: 08/24/2015
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Local Lists of Hazardous waste / Contaminated Sites

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 02/25/2015	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 03/10/2015	Telephone: 202-307-1000
Date Made Active in Reports: 03/25/2015	Last EDR Contact: 05/29/2015
Number of Days to Update: 15	Next Scheduled EDR Contact: 09/14/2015
	Data Release Frequency: Quarterly

HIST CAL-SITES: Calsites Database

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005	Source: Department of Toxic Substance Control
Date Data Arrived at EDR: 08/03/2006	Telephone: 916-323-3400
Date Made Active in Reports: 08/24/2006	Last EDR Contact: 02/23/2009
Number of Days to Update: 21	Next Scheduled EDR Contact: 05/25/2009
	Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 05/04/2015	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 05/05/2015	Telephone: 916-323-3400
Date Made Active in Reports: 05/14/2015	Last EDR Contact: 05/05/2015
Number of Days to Update: 9	Next Scheduled EDR Contact: 08/17/2015
	Data Release Frequency: Quarterly

TOXIC PITS: Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995	Source: State Water Resources Control Board
Date Data Arrived at EDR: 08/30/1995	Telephone: 916-227-4364
Date Made Active in Reports: 09/26/1995	Last EDR Contact: 01/26/2009
Number of Days to Update: 27	Next Scheduled EDR Contact: 04/27/2009
	Data Release Frequency: No Update Planned

CDL: Clandestine Drug Labs

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 12/31/2014	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 03/10/2015	Telephone: 916-255-6504
Date Made Active in Reports: 03/18/2015	Last EDR Contact: 04/13/2015
Number of Days to Update: 8	Next Scheduled EDR Contact: 07/27/2015
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 02/25/2015
Date Data Arrived at EDR: 03/10/2015
Date Made Active in Reports: 03/25/2015
Number of Days to Update: 15

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 05/29/2015
Next Scheduled EDR Contact: 09/14/2015
Data Release Frequency: No Update Planned

Local Lists of Registered Storage Tanks

CA FID UST: Facility Inventory Database

The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994
Date Data Arrived at EDR: 09/05/1995
Date Made Active in Reports: 09/29/1995
Number of Days to Update: 24

Source: California Environmental Protection Agency
Telephone: 916-341-5851
Last EDR Contact: 12/28/1998
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

UST MENDOCINO: Mendocino County UST Database

A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 09/23/2009
Date Data Arrived at EDR: 09/23/2009
Date Made Active in Reports: 10/01/2009
Number of Days to Update: 8

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 06/01/2015
Next Scheduled EDR Contact: 09/14/2015
Data Release Frequency: Annually

HIST UST: Hazardous Substance Storage Container Database

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990
Date Data Arrived at EDR: 01/25/1991
Date Made Active in Reports: 02/12/1991
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-341-5851
Last EDR Contact: 07/26/2001
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SWEEPS UST: SWEEPS UST Listing

Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

Date of Government Version: 06/01/1994
Date Data Arrived at EDR: 07/07/2005
Date Made Active in Reports: 08/11/2005
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/03/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Local Land Records

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/18/2014
Date Data Arrived at EDR: 03/18/2014
Date Made Active in Reports: 04/24/2014
Number of Days to Update: 37

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 04/27/2015
Next Scheduled EDR Contact: 08/10/2015
Data Release Frequency: Varies

LIENS: Environmental Liens Listing

A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 03/11/2015
Date Data Arrived at EDR: 03/13/2015
Date Made Active in Reports: 03/24/2015
Number of Days to Update: 11

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 06/05/2015
Next Scheduled EDR Contact: 09/21/2015
Data Release Frequency: Varies

DEED: Deed Restriction Listing

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 03/09/2015
Date Data Arrived at EDR: 03/10/2015
Date Made Active in Reports: 03/18/2015
Number of Days to Update: 8

Source: DTSC and SWRCB
Telephone: 916-323-3400
Last EDR Contact: 06/09/2015
Next Scheduled EDR Contact: 09/21/2015
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 03/30/2015
Date Data Arrived at EDR: 03/31/2015
Date Made Active in Reports: 06/11/2015
Number of Days to Update: 72

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 03/31/2015
Next Scheduled EDR Contact: 07/13/2015
Data Release Frequency: Annually

CHMIRS: California Hazardous Material Incident Report System

California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 04/14/2015
Date Data Arrived at EDR: 04/29/2015
Date Made Active in Reports: 05/21/2015
Number of Days to Update: 22

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 04/27/2015
Next Scheduled EDR Contact: 08/10/2015
Data Release Frequency: Varies

LDS: Land Disposal Sites Listing

The Land Disposal program regulates of waste discharge to land for treatment, storage and disposal in waste management units.

Date of Government Version: 03/13/2015
Date Data Arrived at EDR: 03/18/2015
Date Made Active in Reports: 03/24/2015
Number of Days to Update: 6

Source: State Water Quality Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/18/2015
Next Scheduled EDR Contact: 06/29/2015
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

MCS: Military Cleanup Sites Listing

The State Water Resources Control Board and nine Regional Water Quality Control Boards partner with the Department of Defense (DoD) through the Defense and State Memorandum of Agreement (DSMOA) to oversee the investigation and remediation of water quality issues at military facilities.

Date of Government Version: 03/13/2015

Date Data Arrived at EDR: 03/18/2015

Date Made Active in Reports: 03/24/2015

Number of Days to Update: 6

Source: State Water Resources Control Board

Telephone: 866-480-1028

Last EDR Contact: 03/18/2015

Next Scheduled EDR Contact: 06/29/2015

Data Release Frequency: Quarterly

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012

Date Data Arrived at EDR: 01/03/2013

Date Made Active in Reports: 02/22/2013

Number of Days to Update: 50

Source: FirstSearch

Telephone: N/A

Last EDR Contact: 01/03/2013

Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 03/10/2015

Date Data Arrived at EDR: 03/31/2015

Date Made Active in Reports: 06/11/2015

Number of Days to Update: 72

Source: Environmental Protection Agency

Telephone: (415) 495-8895

Last EDR Contact: 03/31/2015

Next Scheduled EDR Contact: 07/13/2015

Data Release Frequency: Varies

DOT OPS: Incident and Accident Data

Department of Transportation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/31/2012

Date Data Arrived at EDR: 08/07/2012

Date Made Active in Reports: 09/18/2012

Number of Days to Update: 42

Source: Department of Transportation, Office of Pipeline Safety

Telephone: 202-366-4595

Last EDR Contact: 05/05/2015

Next Scheduled EDR Contact: 08/17/2015

Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005

Date Data Arrived at EDR: 11/10/2006

Date Made Active in Reports: 01/11/2007

Number of Days to Update: 62

Source: USGS

Telephone: 888-275-8747

Last EDR Contact: 04/14/2015

Next Scheduled EDR Contact: 07/27/2015

Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/06/2014
Date Data Arrived at EDR: 09/10/2014
Date Made Active in Reports: 09/18/2014
Number of Days to Update: 8

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 06/12/2015
Next Scheduled EDR Contact: 09/21/2015
Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 04/17/2015
Date Made Active in Reports: 06/02/2015
Number of Days to Update: 46

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 03/30/2015
Next Scheduled EDR Contact: 07/13/2015
Data Release Frequency: Varies

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 11/25/2013
Date Data Arrived at EDR: 12/12/2013
Date Made Active in Reports: 02/24/2014
Number of Days to Update: 74

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 06/12/2015
Next Scheduled EDR Contact: 09/21/2015
Data Release Frequency: Annually

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 09/14/2010
Date Data Arrived at EDR: 10/07/2011
Date Made Active in Reports: 03/01/2012
Number of Days to Update: 146

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 05/26/2015
Next Scheduled EDR Contact: 09/07/2015
Data Release Frequency: Varies

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 12/30/2014
Date Data Arrived at EDR: 12/31/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 29

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 06/03/2015
Next Scheduled EDR Contact: 09/14/2015
Data Release Frequency: Semi-Annually

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 02/12/2015
Date Made Active in Reports: 06/02/2015
Number of Days to Update: 110

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 01/29/2015
Next Scheduled EDR Contact: 06/08/2015
Data Release Frequency: Annually

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 01/15/2015
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 14

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 03/27/2015
Next Scheduled EDR Contact: 07/06/2015
Data Release Frequency: Every 4 Years

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 05/20/2015
Next Scheduled EDR Contact: 09/07/2015
Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 05/20/2015
Next Scheduled EDR Contact: 09/07/2015
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 12/10/2010
Date Made Active in Reports: 02/25/2011
Number of Days to Update: 77

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 04/10/2015
Next Scheduled EDR Contact: 08/10/2015
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 01/23/2015
Date Data Arrived at EDR: 02/06/2015
Date Made Active in Reports: 03/09/2015
Number of Days to Update: 31

Source: Environmental Protection Agency
Telephone: 202-564-5088
Last EDR Contact: 04/09/2015
Next Scheduled EDR Contact: 07/27/2015
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 07/01/2014
Date Data Arrived at EDR: 10/15/2014
Date Made Active in Reports: 11/17/2014
Number of Days to Update: 33

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 04/17/2015
Next Scheduled EDR Contact: 07/27/2015
Data Release Frequency: Annually

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 03/31/2015
Date Data Arrived at EDR: 04/09/2015
Date Made Active in Reports: 06/11/2015
Number of Days to Update: 63

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 06/04/2015
Next Scheduled EDR Contact: 09/21/2015
Data Release Frequency: Quarterly

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 04/07/2015
Date Data Arrived at EDR: 04/09/2015
Date Made Active in Reports: 06/11/2015
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 04/09/2015
Next Scheduled EDR Contact: 07/20/2015
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 01/18/2015
Date Data Arrived at EDR: 02/27/2015
Date Made Active in Reports: 03/25/2015
Number of Days to Update: 26

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 06/10/2015
Next Scheduled EDR Contact: 09/21/2015
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 02/01/2015
Date Data Arrived at EDR: 02/13/2015
Date Made Active in Reports: 03/25/2015
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 04/27/2015
Next Scheduled EDR Contact: 08/10/2015
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 02/26/2013
Date Made Active in Reports: 04/19/2013
Number of Days to Update: 52

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 05/29/2015
Next Scheduled EDR Contact: 09/07/2015
Data Release Frequency: Biennially

CA BOND EXP. PLAN: Bond Expenditure Plan

Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989
Date Data Arrived at EDR: 07/27/1994
Date Made Active in Reports: 08/02/1994
Number of Days to Update: 6

Source: Department of Health Services
Telephone: 916-255-2118
Last EDR Contact: 05/31/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

UIC: UIC Listing

A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 11/19/2014
Date Data Arrived at EDR: 12/15/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 45

Source: Department of Conservation
Telephone: 916-445-2408
Last EDR Contact: 03/20/2015
Next Scheduled EDR Contact: 06/29/2015
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

Date of Government Version: 05/18/2015	Source: State Water Resources Control Board
Date Data Arrived at EDR: 05/20/2015	Telephone: 916-445-9379
Date Made Active in Reports: 06/11/2015	Last EDR Contact: 05/20/2015
Number of Days to Update: 22	Next Scheduled EDR Contact: 08/31/2015
	Data Release Frequency: Quarterly

CORTESE: "Cortese" Hazardous Waste & Substances Sites List

The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

Date of Government Version: 03/10/2015	Source: CAL EPA/Office of Emergency Information
Date Data Arrived at EDR: 03/31/2015	Telephone: 916-323-3400
Date Made Active in Reports: 04/10/2015	Last EDR Contact: 03/31/2015
Number of Days to Update: 10	Next Scheduled EDR Contact: 07/13/2015
	Data Release Frequency: Quarterly

HIST CORTESE: Hazardous Waste & Substance Site List

The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 01/22/2009	Telephone: 916-323-3400
Date Made Active in Reports: 04/08/2009	Last EDR Contact: 01/22/2009
Number of Days to Update: 76	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

NOTIFY 65: Proposition 65 Records

Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 10/21/1993	Source: State Water Resources Control Board
Date Data Arrived at EDR: 11/01/1993	Telephone: 916-445-3846
Date Made Active in Reports: 11/19/1993	Last EDR Contact: 03/23/2015
Number of Days to Update: 18	Next Scheduled EDR Contact: 07/06/2015
	Data Release Frequency: No Update Planned

DRYCLEANERS: Cleaner Facilities

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 02/18/2015	Source: Department of Toxic Substance Control
Date Data Arrived at EDR: 02/20/2015	Telephone: 916-327-4498
Date Made Active in Reports: 03/12/2015	Last EDR Contact: 06/05/2015
Number of Days to Update: 20	Next Scheduled EDR Contact: 09/21/2015
	Data Release Frequency: Annually

WIP: Well Investigation Program Case List

Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009	Source: Los Angeles Water Quality Control Board
Date Data Arrived at EDR: 07/21/2009	Telephone: 213-576-6726
Date Made Active in Reports: 08/03/2009	Last EDR Contact: 03/30/2015
Number of Days to Update: 13	Next Scheduled EDR Contact: 07/13/2015
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ENF: Enforcement Action Listing

A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 04/30/2015
Date Data Arrived at EDR: 05/01/2015
Date Made Active in Reports: 05/13/2015
Number of Days to Update: 12

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 04/27/2015
Next Scheduled EDR Contact: 08/10/2015
Data Release Frequency: Varies

HAZNET: Facility and Manifest Data

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method. This database begins with calendar year 1993.

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 10/15/2014
Date Made Active in Reports: 11/19/2014
Number of Days to Update: 35

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 04/17/2015
Next Scheduled EDR Contact: 07/27/2015
Data Release Frequency: Annually

EMI: Emissions Inventory Data

Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 03/25/2014
Date Made Active in Reports: 04/28/2014
Number of Days to Update: 34

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 03/27/2015
Next Scheduled EDR Contact: 07/06/2015
Data Release Frequency: Varies

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 12/08/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 34

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 04/14/2015
Next Scheduled EDR Contact: 07/27/2015
Data Release Frequency: Semi-Annually

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 03/07/2011
Date Data Arrived at EDR: 03/09/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 54

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 05/21/2015
Next Scheduled EDR Contact: 08/31/2015
Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/18/2015
Date Data Arrived at EDR: 05/22/2015
Date Made Active in Reports: 06/05/2015
Number of Days to Update: 14

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 05/18/2015
Next Scheduled EDR Contact: 08/31/2015
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing

Financial Assurance information

Date of Government Version: 04/30/2015
Date Data Arrived at EDR: 05/01/2015
Date Made Active in Reports: 05/13/2015
Number of Days to Update: 12

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 04/27/2015
Next Scheduled EDR Contact: 08/10/2015
Data Release Frequency: Varies

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 04/22/2013
Date Data Arrived at EDR: 03/03/2015
Date Made Active in Reports: 03/09/2015
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 05/14/2015
Next Scheduled EDR Contact: 08/24/2015
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 11/25/2014
Date Data Arrived at EDR: 11/26/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 64

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 04/10/2015
Next Scheduled EDR Contact: 07/20/2015
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931 and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 10/25/2013
Date Data Arrived at EDR: 10/17/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 3

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 05/14/2015
Next Scheduled EDR Contact: 08/24/2015
Data Release Frequency: Quarterly

WDS: Waste Discharge System

Sites which have been issued waste discharge requirements.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/19/2007
Date Data Arrived at EDR: 06/20/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 9

Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 05/20/2015
Next Scheduled EDR Contact: 09/07/2015
Data Release Frequency: Quarterly

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 04/14/2015
Next Scheduled EDR Contact: 07/27/2015
Data Release Frequency: N/A

PROC: Certified Processors Database

A listing of certified processors.

Date of Government Version: 03/16/2015
Date Data Arrived at EDR: 03/18/2015
Date Made Active in Reports: 03/24/2015
Number of Days to Update: 6

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 03/18/2015
Next Scheduled EDR Contact: 06/29/2015
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 05/07/2015
Next Scheduled EDR Contact: 08/24/2015
Data Release Frequency: Quarterly

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 07/01/2014
Date Data Arrived at EDR: 09/10/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 06/12/2015
Next Scheduled EDR Contact: 09/21/2015
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 02/01/2011
Date Data Arrived at EDR: 10/19/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 83

Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 05/01/2015
Next Scheduled EDR Contact: 08/10/2015
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

MWMP: Medical Waste Management Program Listing

The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 01/16/2015	Source: Department of Public Health
Date Data Arrived at EDR: 03/10/2015	Telephone: 916-558-1784
Date Made Active in Reports: 03/18/2015	Last EDR Contact: 06/09/2015
Number of Days to Update: 8	Next Scheduled EDR Contact: 09/21/2015
	Data Release Frequency: Varies

COAL ASH DOE: Steam-Electric Plant Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005	Source: Department of Energy
Date Data Arrived at EDR: 08/07/2009	Telephone: 202-586-8719
Date Made Active in Reports: 10/22/2009	Last EDR Contact: 04/15/2015
Number of Days to Update: 76	Next Scheduled EDR Contact: 07/27/2015
	Data Release Frequency: Varies

HWT: Registered Hazardous Waste Transporter Database

A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 04/13/2015	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 04/15/2015	Telephone: 916-440-7145
Date Made Active in Reports: 04/23/2015	Last EDR Contact: 04/15/2015
Number of Days to Update: 8	Next Scheduled EDR Contact: 07/27/2015
	Data Release Frequency: Quarterly

HWP: EnviroStor Permitted Facilities Listing

Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 05/26/2015	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 05/28/2015	Telephone: 916-323-3400
Date Made Active in Reports: 06/05/2015	Last EDR Contact: 05/28/2015
Number of Days to Update: 8	Next Scheduled EDR Contact: 09/07/2015
	Data Release Frequency: Quarterly

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/16/2014	Source: EPA
Date Data Arrived at EDR: 10/31/2014	Telephone: 202-564-2496
Date Made Active in Reports: 11/17/2014	Last EDR Contact: 03/30/2015
Number of Days to Update: 17	Next Scheduled EDR Contact: 07/13/2015
	Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/16/2014	Source: EPA
Date Data Arrived at EDR: 10/31/2014	Telephone: 202-564-2496
Date Made Active in Reports: 11/17/2014	Last EDR Contact: 03/30/2015
Number of Days to Update: 17	Next Scheduled EDR Contact: 07/13/2015
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 03/09/2015
Date Data Arrived at EDR: 03/10/2015
Date Made Active in Reports: 03/25/2015
Number of Days to Update: 15

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 05/14/2015
Next Scheduled EDR Contact: 08/31/2015
Data Release Frequency: Quarterly

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR US Hist Auto Stat: EDR Exclusive Historic Gas Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR US Hist Cleaners: EDR Exclusive Historic Dry Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: N/A

Source: Department of Resources Recycling and Recovery

Date Data Arrived at EDR: 07/01/2013

Telephone: N/A

Date Made Active in Reports: 01/13/2014

Last EDR Contact: 06/01/2012

Number of Days to Update: 196

Next Scheduled EDR Contact: N/A

Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A

Source: State Water Resources Control Board

Date Data Arrived at EDR: 07/01/2013

Telephone: N/A

Date Made Active in Reports: 12/30/2013

Last EDR Contact: 06/01/2012

Number of Days to Update: 182

Next Scheduled EDR Contact: N/A

Data Release Frequency: Varies

COUNTY RECORDS

ALAMEDA COUNTY:

Contaminated Sites

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 01/21/2015

Source: Alameda County Environmental Health Services

Date Data Arrived at EDR: 01/28/2015

Telephone: 510-567-6700

Date Made Active in Reports: 02/26/2015

Last EDR Contact: 05/21/2015

Number of Days to Update: 29

Next Scheduled EDR Contact: 07/13/2015

Data Release Frequency: Semi-Annually

Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 01/21/2015

Source: Alameda County Environmental Health Services

Date Data Arrived at EDR: 01/28/2015

Telephone: 510-567-6700

Date Made Active in Reports: 02/26/2015

Last EDR Contact: 05/21/2015

Number of Days to Update: 29

Next Scheduled EDR Contact: 07/13/2015

Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA Facility List

Cupa Facility List

Date of Government Version: 03/09/2015

Source: Amador County Environmental Health

Date Data Arrived at EDR: 03/24/2015

Telephone: 209-223-6439

Date Made Active in Reports: 03/31/2015

Last EDR Contact: 06/05/2015

Number of Days to Update: 7

Next Scheduled EDR Contact: 09/21/2015

Data Release Frequency: Varies

BUTTE COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA Facility Listing

Cupa facility list.

Date of Government Version: 11/20/2014
Date Data Arrived at EDR: 11/24/2014
Date Made Active in Reports: 01/07/2015
Number of Days to Update: 44

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 04/14/2015
Next Scheduled EDR Contact: 04/27/2015
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA Facility Listing

Cupa Facility Listing

Date of Government Version: 04/17/2015
Date Data Arrived at EDR: 04/21/2015
Date Made Active in Reports: 05/07/2015
Number of Days to Update: 16

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 03/30/2015
Next Scheduled EDR Contact: 07/13/2015
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA Facility List

Cupa facility list.

Date of Government Version: 06/11/2014
Date Data Arrived at EDR: 06/13/2014
Date Made Active in Reports: 07/07/2014
Number of Days to Update: 24

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 06/12/2015
Next Scheduled EDR Contact: 08/24/2015
Data Release Frequency: Varies

CONTRA COSTA COUNTY:

Site List

List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 05/26/2015
Date Data Arrived at EDR: 05/29/2015
Date Made Active in Reports: 06/11/2015
Number of Days to Update: 13

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 05/04/2015
Next Scheduled EDR Contact: 08/17/2015
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA Facility List

Cupa Facility list

Date of Government Version: 05/19/2015
Date Data Arrived at EDR: 05/22/2015
Date Made Active in Reports: 06/05/2015
Number of Days to Update: 14

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 05/18/2015
Next Scheduled EDR Contact: 08/17/2015
Data Release Frequency: Varies

EL DORADO COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA Facility List CUPA facility list.

Date of Government Version: 05/26/2015
Date Data Arrived at EDR: 05/29/2015
Date Made Active in Reports: 06/05/2015
Number of Days to Update: 7

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 05/04/2015
Next Scheduled EDR Contact: 08/17/2015
Data Release Frequency: Varies

FRESNO COUNTY:

CUPA Resources List

Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 03/31/2015
Date Data Arrived at EDR: 04/15/2015
Date Made Active in Reports: 04/23/2015
Number of Days to Update: 8

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 04/06/2015
Next Scheduled EDR Contact: 07/20/2015
Data Release Frequency: Semi-Annually

HUMBOLDT COUNTY:

CUPA Facility List CUPA facility list.

Date of Government Version: 03/11/2015
Date Data Arrived at EDR: 03/13/2015
Date Made Active in Reports: 03/24/2015
Number of Days to Update: 11

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 05/26/2015
Next Scheduled EDR Contact: 09/07/2015
Data Release Frequency: Varies

IMPERIAL COUNTY:

CUPA Facility List Cupa facility list.

Date of Government Version: 04/27/2015
Date Data Arrived at EDR: 04/28/2015
Date Made Active in Reports: 05/13/2015
Number of Days to Update: 15

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 04/27/2015
Next Scheduled EDR Contact: 08/10/2015
Data Release Frequency: Varies

INYO COUNTY:

CUPA Facility List Cupa facility list.

Date of Government Version: 09/10/2013
Date Data Arrived at EDR: 09/11/2013
Date Made Active in Reports: 10/14/2013
Number of Days to Update: 33

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 05/21/2015
Next Scheduled EDR Contact: 09/07/2015
Data Release Frequency: Varies

KERN COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Underground Storage Tank Sites & Tank Listing Kern County Sites and Tanks Listing.

Date of Government Version: 07/22/2014
Date Data Arrived at EDR: 11/12/2014
Date Made Active in Reports: 12/19/2014
Number of Days to Update: 37

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 06/12/2015
Next Scheduled EDR Contact: 08/24/2015
Data Release Frequency: Quarterly

KINGS COUNTY:

CUPA Facility List

A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 05/26/2015
Date Data Arrived at EDR: 05/28/2015
Date Made Active in Reports: 06/15/2015
Number of Days to Update: 18

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 05/21/2015
Next Scheduled EDR Contact: 09/07/2015
Data Release Frequency: Varies

LAKE COUNTY:

CUPA Facility List

Cupa facility list

Date of Government Version: 05/05/2015
Date Data Arrived at EDR: 05/07/2015
Date Made Active in Reports: 05/20/2015
Number of Days to Update: 13

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 04/16/2015
Next Scheduled EDR Contact: 08/03/2015
Data Release Frequency: Varies

LOS ANGELES COUNTY:

San Gabriel Valley Areas of Concern

San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office.

Date of Government Version: 03/30/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 10/23/2009
Number of Days to Update: 206

Source: EPA Region 9
Telephone: 415-972-3178
Last EDR Contact: 03/23/2015
Next Scheduled EDR Contact: 07/06/2015
Data Release Frequency: No Update Planned

HMS: Street Number List

Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 11/24/2014
Date Data Arrived at EDR: 01/30/2015
Date Made Active in Reports: 03/04/2015
Number of Days to Update: 33

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 04/13/2015
Next Scheduled EDR Contact: 07/27/2015
Data Release Frequency: Semi-Annually

List of Solid Waste Facilities

Solid Waste Facilities in Los Angeles County.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/20/2015
Date Data Arrived at EDR: 04/20/2015
Date Made Active in Reports: 05/07/2015
Number of Days to Update: 17

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 04/20/2015
Next Scheduled EDR Contact: 08/03/2015
Data Release Frequency: Varies

City of Los Angeles Landfills

Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 03/05/2009
Date Data Arrived at EDR: 03/10/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 29

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 04/15/2015
Next Scheduled EDR Contact: 08/03/2015
Data Release Frequency: Varies

Site Mitigation List

Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 01/15/2015
Date Data Arrived at EDR: 01/29/2015
Date Made Active in Reports: 03/10/2015
Number of Days to Update: 40

Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 04/16/2015
Next Scheduled EDR Contact: 08/03/2015
Data Release Frequency: Annually

City of El Segundo Underground Storage Tank

Underground storage tank sites located in El Segundo city.

Date of Government Version: 03/30/2015
Date Data Arrived at EDR: 04/02/2015
Date Made Active in Reports: 04/13/2015
Number of Days to Update: 11

Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 03/06/2015
Next Scheduled EDR Contact: 08/03/2015
Data Release Frequency: Semi-Annually

City of Long Beach Underground Storage Tank

Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 03/03/2015
Date Data Arrived at EDR: 05/26/2015
Date Made Active in Reports: 06/11/2015
Number of Days to Update: 16

Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 04/27/2015
Next Scheduled EDR Contact: 08/10/2015
Data Release Frequency: Annually

City of Torrance Underground Storage Tank

Underground storage tank sites located in the city of Torrance.

Date of Government Version: 04/14/2015
Date Data Arrived at EDR: 04/23/2015
Date Made Active in Reports: 05/11/2015
Number of Days to Update: 18

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 04/13/2015
Next Scheduled EDR Contact: 07/27/2015
Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA Facility List

A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/28/2015
Date Data Arrived at EDR: 05/29/2015
Date Made Active in Reports: 06/15/2015
Number of Days to Update: 17

Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 05/22/2015
Next Scheduled EDR Contact: 09/07/2015
Data Release Frequency: Varies

MARIN COUNTY:

Underground Storage Tank Sites

Currently permitted USTs in Marin County.

Date of Government Version: 10/08/2014
Date Data Arrived at EDR: 10/22/2014
Date Made Active in Reports: 12/15/2014
Number of Days to Update: 54

Source: Public Works Department Waste Management
Telephone: 415-499-6647
Last EDR Contact: 05/05/2015
Next Scheduled EDR Contact: 07/20/2015
Data Release Frequency: Semi-Annually

MERCED COUNTY:

CUPA Facility List

CUPA facility list.

Date of Government Version: 05/22/2015
Date Data Arrived at EDR: 05/26/2015
Date Made Active in Reports: 06/05/2015
Number of Days to Update: 10

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 05/22/2015
Next Scheduled EDR Contact: 09/07/2015
Data Release Frequency: Varies

MONO COUNTY:

CUPA Facility List

CUPA Facility List

Date of Government Version: 02/27/2015
Date Data Arrived at EDR: 03/06/2015
Date Made Active in Reports: 03/10/2015
Number of Days to Update: 4

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 06/01/2015
Next Scheduled EDR Contact: 09/14/2015
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA Facility Listing

CUPA Program listing from the Environmental Health Division.

Date of Government Version: 03/19/2015
Date Data Arrived at EDR: 03/20/2015
Date Made Active in Reports: 03/31/2015
Number of Days to Update: 11

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 05/26/2015
Next Scheduled EDR Contact: 09/07/2015
Data Release Frequency: Varies

NAPA COUNTY:

Sites With Reported Contamination

A listing of leaking underground storage tank sites located in Napa county.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/05/2011
Date Data Arrived at EDR: 12/06/2011
Date Made Active in Reports: 02/07/2012
Number of Days to Update: 63

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 06/01/2015
Next Scheduled EDR Contact: 09/14/2015
Data Release Frequency: No Update Planned

Closed and Operating Underground Storage Tank Sites

Underground storage tank sites located in Napa county.

Date of Government Version: 01/15/2008
Date Data Arrived at EDR: 01/16/2008
Date Made Active in Reports: 02/08/2008
Number of Days to Update: 23

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 06/01/2015
Next Scheduled EDR Contact: 09/14/2015
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA Facility List

CUPA facility list.

Date of Government Version: 02/12/2015
Date Data Arrived at EDR: 02/13/2015
Date Made Active in Reports: 03/03/2015
Number of Days to Update: 18

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 05/04/2015
Next Scheduled EDR Contact: 08/17/2015
Data Release Frequency: Varies

ORANGE COUNTY:

List of Industrial Site Cleanups

Petroleum and non-petroleum spills.

Date of Government Version: 05/01/2015
Date Data Arrived at EDR: 05/12/2015
Date Made Active in Reports: 06/05/2015
Number of Days to Update: 24

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 05/06/2015
Next Scheduled EDR Contact: 08/24/2015
Data Release Frequency: Annually

List of Underground Storage Tank Cleanups

Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 05/01/2015
Date Data Arrived at EDR: 05/12/2015
Date Made Active in Reports: 06/08/2015
Number of Days to Update: 27

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 05/06/2015
Next Scheduled EDR Contact: 08/24/2015
Data Release Frequency: Quarterly

List of Underground Storage Tank Facilities

Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 05/01/2015
Date Data Arrived at EDR: 05/12/2015
Date Made Active in Reports: 06/11/2015
Number of Days to Update: 30

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 05/12/2015
Next Scheduled EDR Contact: 08/24/2015
Data Release Frequency: Quarterly

PLACER COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Master List of Facilities

List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 03/10/2015

Date Data Arrived at EDR: 03/12/2015

Date Made Active in Reports: 03/18/2015

Number of Days to Update: 6

Source: Placer County Health and Human Services

Telephone: 530-745-2363

Last EDR Contact: 06/21/2015

Next Scheduled EDR Contact: 09/21/2015

Data Release Frequency: Semi-Annually

RIVERSIDE COUNTY:

Listing of Underground Tank Cleanup Sites

Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 04/28/2015

Date Data Arrived at EDR: 04/30/2015

Date Made Active in Reports: 05/13/2015

Number of Days to Update: 13

Source: Department of Environmental Health

Telephone: 951-358-5055

Last EDR Contact: 03/23/2015

Next Scheduled EDR Contact: 07/06/2015

Data Release Frequency: Quarterly

Underground Storage Tank Tank List

Underground storage tank sites located in Riverside county.

Date of Government Version: 04/28/2015

Date Data Arrived at EDR: 04/30/2015

Date Made Active in Reports: 05/13/2015

Number of Days to Update: 13

Source: Department of Environmental Health

Telephone: 951-358-5055

Last EDR Contact: 03/23/2015

Next Scheduled EDR Contact: 07/06/2015

Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

Toxic Site Clean-Up List

List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 02/02/2015

Date Data Arrived at EDR: 04/08/2015

Date Made Active in Reports: 04/16/2015

Number of Days to Update: 8

Source: Sacramento County Environmental Management

Telephone: 916-875-8406

Last EDR Contact: 04/08/2015

Next Scheduled EDR Contact: 07/20/2015

Data Release Frequency: Quarterly

Master Hazardous Materials Facility List

Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 02/02/2015

Date Data Arrived at EDR: 04/08/2015

Date Made Active in Reports: 04/16/2015

Number of Days to Update: 8

Source: Sacramento County Environmental Management

Telephone: 916-875-8406

Last EDR Contact: 04/08/2015

Next Scheduled EDR Contact: 07/20/2015

Data Release Frequency: Quarterly

SAN BERNARDINO COUNTY:

Hazardous Material Permits

This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/02/2015
Date Data Arrived at EDR: 03/03/2015
Date Made Active in Reports: 03/10/2015
Number of Days to Update: 7

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 05/12/2015
Next Scheduled EDR Contact: 08/24/2015
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

Hazardous Materials Management Division Database

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 09/23/2013
Date Data Arrived at EDR: 09/24/2013
Date Made Active in Reports: 10/17/2013
Number of Days to Update: 23

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 06/05/2015
Next Scheduled EDR Contact: 09/21/2015
Data Release Frequency: Quarterly

Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 10/31/2014
Date Data Arrived at EDR: 11/21/2014
Date Made Active in Reports: 12/29/2014
Number of Days to Update: 38

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 04/27/2015
Next Scheduled EDR Contact: 08/10/2015
Data Release Frequency: Varies

Environmental Case Listing

The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010
Date Data Arrived at EDR: 06/15/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 24

Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 06/03/2015
Next Scheduled EDR Contact: 09/21/2015
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

Local Oversight Facilities

A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 09/29/2008
Number of Days to Update: 10

Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 05/06/2015
Next Scheduled EDR Contact: 08/24/2015
Data Release Frequency: Quarterly

Underground Storage Tank Information

Underground storage tank sites located in San Francisco county.

Date of Government Version: 11/29/2010
Date Data Arrived at EDR: 03/10/2011
Date Made Active in Reports: 03/15/2011
Number of Days to Update: 5

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 05/06/2015
Next Scheduled EDR Contact: 08/24/2015
Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

San Joaquin Co. UST

A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 03/24/2015
Date Data Arrived at EDR: 03/25/2015
Date Made Active in Reports: 03/31/2015
Number of Days to Update: 6

Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 03/23/2015
Next Scheduled EDR Contact: 07/06/2015
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA Facility List

Cupa Facility List.

Date of Government Version: 05/22/2015
Date Data Arrived at EDR: 05/26/2015
Date Made Active in Reports: 06/10/2015
Number of Days to Update: 15

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 05/20/2015
Next Scheduled EDR Contact: 09/07/2015
Data Release Frequency: Varies

SAN MATEO COUNTY:

Business Inventory

List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 04/13/2015
Date Data Arrived at EDR: 04/15/2015
Date Made Active in Reports: 04/23/2015
Number of Days to Update: 8

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 06/15/2015
Next Scheduled EDR Contact: 09/28/2015
Data Release Frequency: Annually

Fuel Leak List

A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 03/16/2015
Date Data Arrived at EDR: 03/17/2015
Date Made Active in Reports: 03/24/2015
Number of Days to Update: 7

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 06/10/2015
Next Scheduled EDR Contact: 06/29/2015
Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

CUPA Facility Listing

CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011
Date Data Arrived at EDR: 09/09/2011
Date Made Active in Reports: 10/07/2011
Number of Days to Update: 28

Source: Santa Barbara County Public Health Department
Telephone: 805-686-8167
Last EDR Contact: 05/22/2015
Next Scheduled EDR Contact: 09/07/2015
Data Release Frequency: Varies

SANTA CLARA COUNTY:

Cupa Facility List

Cupa facility list

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/23/2015
Date Data Arrived at EDR: 02/25/2015
Date Made Active in Reports: 03/03/2015
Number of Days to Update: 6

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 06/05/2015
Next Scheduled EDR Contact: 09/07/2015
Data Release Frequency: Varies

HIST LUST - Fuel Leak Site Activity Report

A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005
Date Data Arrived at EDR: 03/30/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 22

Source: Santa Clara Valley Water District
Telephone: 408-265-2600
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

LOP Listing

A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014
Date Data Arrived at EDR: 03/05/2014
Date Made Active in Reports: 03/18/2014
Number of Days to Update: 13

Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 06/01/2015
Next Scheduled EDR Contact: 09/14/2015
Data Release Frequency: Annually

Hazardous Material Facilities

Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 05/07/2015
Date Data Arrived at EDR: 05/12/2015
Date Made Active in Reports: 06/08/2015
Number of Days to Update: 27

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 05/07/2015
Next Scheduled EDR Contact: 08/24/2015
Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA Facility List

CUPA facility listing.

Date of Government Version: 05/22/2015
Date Data Arrived at EDR: 05/26/2015
Date Made Active in Reports: 06/08/2015
Number of Days to Update: 13

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 05/22/2015
Next Scheduled EDR Contact: 09/07/2015
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA Facility List

Cupa Facility List.

Date of Government Version: 03/11/2015
Date Data Arrived at EDR: 03/13/2015
Date Made Active in Reports: 03/24/2015
Number of Days to Update: 11

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 05/26/2015
Next Scheduled EDR Contact: 09/07/2015
Data Release Frequency: Varies

SOLANO COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Leaking Underground Storage Tanks

A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 03/13/2015
Date Data Arrived at EDR: 03/19/2015
Date Made Active in Reports: 03/24/2015
Number of Days to Update: 5

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 06/10/2015
Next Scheduled EDR Contact: 09/28/2015
Data Release Frequency: Quarterly

Underground Storage Tanks

Underground storage tank sites located in Solano county.

Date of Government Version: 03/13/2015
Date Data Arrived at EDR: 03/20/2015
Date Made Active in Reports: 03/31/2015
Number of Days to Update: 11

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 06/10/2015
Next Scheduled EDR Contact: 09/28/2015
Data Release Frequency: Quarterly

SONOMA COUNTY:

Cupa Facility List

Cupa Facility list

Date of Government Version: 03/31/2015
Date Data Arrived at EDR: 04/02/2015
Date Made Active in Reports: 04/10/2015
Number of Days to Update: 8

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 03/30/2015
Next Scheduled EDR Contact: 07/13/2015
Data Release Frequency: Varies

Leaking Underground Storage Tank Sites

A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 04/01/2015
Date Data Arrived at EDR: 04/02/2015
Date Made Active in Reports: 04/13/2015
Number of Days to Update: 11

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 03/30/2015
Next Scheduled EDR Contact: 07/13/2015
Data Release Frequency: Quarterly

SUTTER COUNTY:

Underground Storage Tanks

Underground storage tank sites located in Sutter county.

Date of Government Version: 03/09/2015
Date Data Arrived at EDR: 03/10/2015
Date Made Active in Reports: 03/18/2015
Number of Days to Update: 8

Source: Sutter County Department of Agriculture
Telephone: 530-822-7500
Last EDR Contact: 06/05/2015
Next Scheduled EDR Contact: 09/21/2015
Data Release Frequency: Semi-Annually

TUOLUMNE COUNTY:

CUPA Facility List

Cupa facility list

Date of Government Version: 05/05/2015
Date Data Arrived at EDR: 05/07/2015
Date Made Active in Reports: 05/13/2015
Number of Days to Update: 6

Source: Division of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 04/27/2015
Next Scheduled EDR Contact: 08/10/2015
Data Release Frequency: Varies

VENTURA COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Business Plan, Hazardous Waste Producers, and Operating Underground Tanks

The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 04/27/2015	Source: Ventura County Environmental Health Division
Date Data Arrived at EDR: 05/22/2015	Telephone: 805-654-2813
Date Made Active in Reports: 06/05/2015	Last EDR Contact: 05/18/2015
Number of Days to Update: 14	Next Scheduled EDR Contact: 08/31/2015
	Data Release Frequency: Quarterly

Inventory of Illegal Abandoned and Inactive Sites

Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011	Source: Environmental Health Division
Date Data Arrived at EDR: 12/01/2011	Telephone: 805-654-2813
Date Made Active in Reports: 01/19/2012	Last EDR Contact: 04/02/2015
Number of Days to Update: 49	Next Scheduled EDR Contact: 07/20/2015
	Data Release Frequency: Annually

Listing of Underground Tank Cleanup Sites

Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008	Source: Environmental Health Division
Date Data Arrived at EDR: 06/24/2008	Telephone: 805-654-2813
Date Made Active in Reports: 07/31/2008	Last EDR Contact: 05/18/2015
Number of Days to Update: 37	Next Scheduled EDR Contact: 08/31/2015
	Data Release Frequency: Quarterly

Medical Waste Program List

To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 04/27/2015	Source: Ventura County Resource Management Agency
Date Data Arrived at EDR: 04/29/2015	Telephone: 805-654-2813
Date Made Active in Reports: 05/13/2015	Last EDR Contact: 04/27/2015
Number of Days to Update: 14	Next Scheduled EDR Contact: 08/10/2015
	Data Release Frequency: Quarterly

Underground Tank Closed Sites List

Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 02/27/2015	Source: Environmental Health Division
Date Data Arrived at EDR: 03/18/2015	Telephone: 805-654-2813
Date Made Active in Reports: 03/26/2015	Last EDR Contact: 03/18/2015
Number of Days to Update: 8	Next Scheduled EDR Contact: 06/29/2015
	Data Release Frequency: Quarterly

YOLO COUNTY:

Underground Storage Tank Comprehensive Facility Report

Underground storage tank sites located in Yolo county.

Date of Government Version: 03/26/2015	Source: Yolo County Department of Health
Date Data Arrived at EDR: 04/01/2015	Telephone: 530-666-8646
Date Made Active in Reports: 04/13/2015	Last EDR Contact: 03/23/2015
Number of Days to Update: 12	Next Scheduled EDR Contact: 07/06/2015
	Data Release Frequency: Annually

YUBA COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA Facility List

CUPA facility listing for Yuba County.

Date of Government Version: 05/18/2015

Date Data Arrived at EDR: 05/19/2015

Date Made Active in Reports: 06/05/2015

Number of Days to Update: 17

Source: Yuba County Environmental Health Department

Telephone: 530-749-7523

Last EDR Contact: 05/18/2015

Next Scheduled EDR Contact: 08/17/2015

Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 07/30/2013

Date Data Arrived at EDR: 08/19/2013

Date Made Active in Reports: 10/03/2013

Number of Days to Update: 45

Source: Department of Energy & Environmental Protection

Telephone: 860-424-3375

Last EDR Contact: 05/18/2015

Next Scheduled EDR Contact: 08/31/2015

Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2012

Date Data Arrived at EDR: 04/29/2015

Date Made Active in Reports: 05/29/2015

Number of Days to Update: 30

Source: Department of Environmental Protection

Telephone: N/A

Last EDR Contact: 04/14/2015

Next Scheduled EDR Contact: 07/27/2015

Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 05/01/2015

Date Data Arrived at EDR: 05/06/2015

Date Made Active in Reports: 05/20/2015

Number of Days to Update: 14

Source: Department of Environmental Conservation

Telephone: 518-402-8651

Last EDR Contact: 05/06/2015

Next Scheduled EDR Contact: 08/17/2015

Data Release Frequency: Annually

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2013

Date Data Arrived at EDR: 07/21/2014

Date Made Active in Reports: 08/25/2014

Number of Days to Update: 35

Source: Department of Environmental Protection

Telephone: 717-783-8990

Last EDR Contact: 04/16/2015

Next Scheduled EDR Contact: 08/03/2015

Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2013

Date Data Arrived at EDR: 07/15/2014

Date Made Active in Reports: 08/13/2014

Number of Days to Update: 29

Source: Department of Environmental Management

Telephone: 401-222-2797

Last EDR Contact: 05/26/2015

Next Scheduled EDR Contact: 09/07/2015

Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2014

Date Data Arrived at EDR: 03/19/2015

Date Made Active in Reports: 04/07/2015

Number of Days to Update: 19

Source: Department of Natural Resources

Telephone: N/A

Last EDR Contact: 06/11/2015

Next Scheduled EDR Contact: 09/28/2015

Data Release Frequency: Annually

Oil/Gas Pipelines:

Source: PennWell Corporation

Telephone: 800-823-6277

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Electric Power Transmission Line Data

Source: PennWell Corporation

Telephone: 800-823-6277

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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities

Source: Department of Social Services

Telephone: 916-657-4041

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

STREET AND ADDRESS INFORMATION

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GEOCHECK[®] - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

FORMER LONG BEACH PUBLIC SERVICE YARD
SAN FRANCISCO AVE/W ANAHEIM ST
LONG BEACH, CA 90813

TARGET PROPERTY COORDINATES

Latitude (North):	33.7843 - 33° 47' 3.48"
Longitude (West):	118.2038 - 118° 12' 13.68"
Universal Transverse Mercator:	Zone 11
UTM X (Meters):	388545.8
UTM Y (Meters):	3738697.5
Elevation:	14 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	33118-G2 LONG BEACH (DIGITAL), CA
Most Recent Revision:	1964

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principal investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

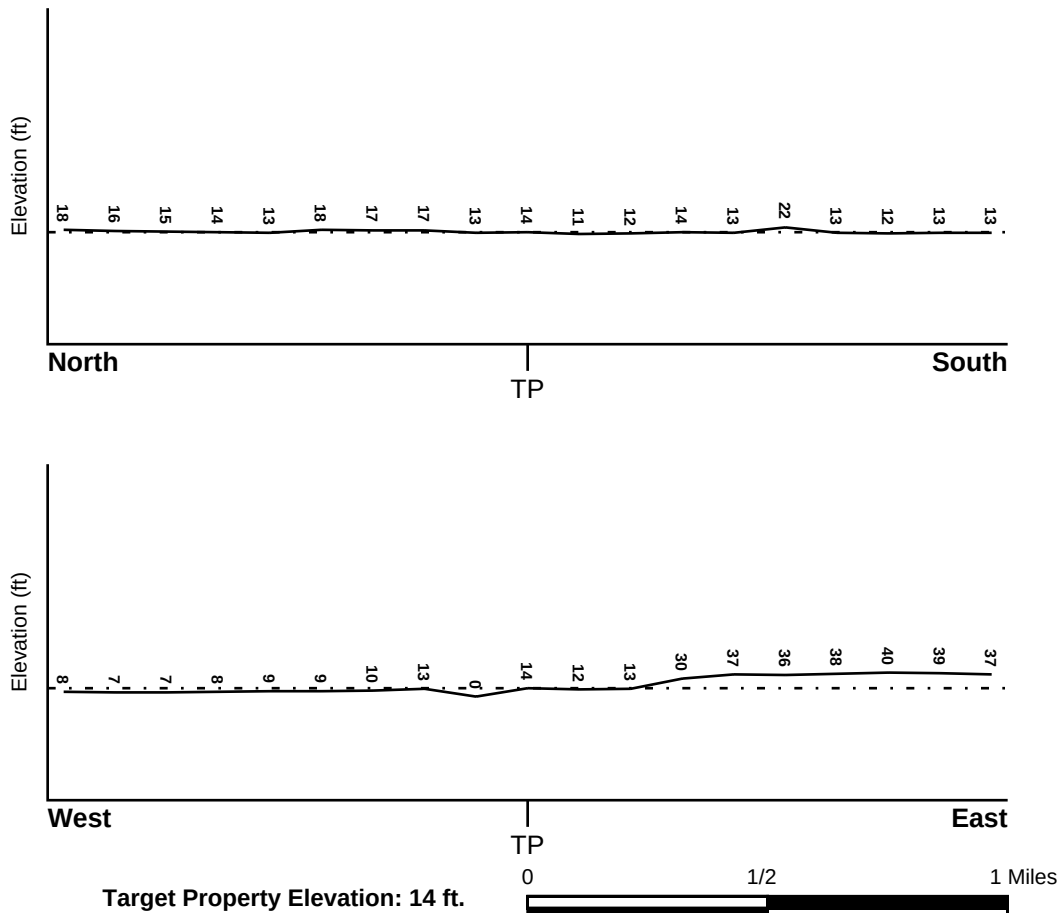
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General SSW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

<u>Target Property County</u>	<u>FEMA Flood</u>
LOS ANGELES, CA	<u>Electronic Data</u>
	YES - refer to the Overview Map and Detail Map
Flood Plain Panel at Target Property:	06037C - FEMA DFIRM Flood data
Additional Panels in search area:	Not Reported

NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u>	<u>NWI Electronic</u>
NORTH LONG BEACH (OE)	<u>Data Coverage</u>
	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data:*

Search Radius:	1.25 miles
Location Relative to TP:	1/2 - 1 Mile WNW
Site Name:	CROSBY & OVERTON
Site EPA ID Number:	CAD028409019
Surficial Aquifer Flow Dir.:	NOT AVAILABLE FOR THE PERCHED AQUIFER.
Measured Depth to Water:	10.5 to 11.5 feet in the perched zone.
Hydraulic Connection:	The site is underlain by fine sand with mica to 9 feet, 2 feet of clay, and fine sand with mica to a depth of 20 feet at the terminus of borings. The perched aquifer zone at the site is saline and is fed by the Pacific Ocean.
Sole Source Aquifer:	No information about a sole source aquifer is available
Data Quality:	Information based on site-specific subsurface investigations is documented in the CERCLIS investigation report(s)

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

<u>MAP ID</u>	<u>LOCATION</u> <u>FROM TP</u>	<u>GENERAL DIRECTION</u> <u>GROUNDWATER FLOW</u>
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GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
1	1/8 - 1/4 Mile SE	SSE
2	1/8 - 1/4 Mile ENE	SW
4	1/4 - 1/2 Mile NW	NW
7	1/2 - 1 Mile NE	NNW
8	1/2 - 1 Mile NW	N
11	1/2 - 1 Mile East	Not Reported
12	1/2 - 1 Mile West	Varies
13	1/2 - 1 Mile West	Not Reported
14	1/2 - 1 Mile West	NNW

For additional site information, refer to Physical Setting Source Map Findings.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

Era: Cenozoic
System: Quaternary
Series: Quaternary
Code: Q (decoded above as Era, System & Series)

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name: URBAN LAND

Soil Surface Texture: variable

Hydrologic Group: Not reported

Soil Drainage Class: Not reported

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 10 inches

Depth to Bedrock Max: > 10 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Permeability Rate (in/hr)	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	6 inches	variable	Not reported	Not reported	Max: 0.00 Min: 0.00	Max: 0.00 Min: 0.00

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: loam
clay
silt loam
loamy sand
sandy loam
fine sand
clay loam
gravelly - sandy loam
coarse sand
gravelly - sand
sand

Surficial Soil Types: loam
clay
silt loam
loamy sand
sandy loam
fine sand
clay loam
gravelly - sandy loam
coarse sand
gravelly - sand
sand

Shallow Soil Types: fine sandy loam
gravelly - loam
sand
silty clay

Deeper Soil Types: stratified
clay loam
silty clay loam
gravelly - sandy loam
coarse sand
sand
weathered bedrock
very fine sandy loam

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
A5	USGS40000138170	1/4 - 1/2 Mile WNW
A6	USGS40000138169	1/4 - 1/2 Mile WNW

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
3	CADW50000003188	1/4 - 1/2 Mile WSW
A9	CADW50000003209	1/2 - 1 Mile WNW
A10	CADW50000003208	1/2 - 1 Mile WNW

OTHER STATE DATABASE INFORMATION

STATE OIL/GAS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
A1	CAOG11000189275	1/8 - 1/4 Mile WNW
A2	CAOG11000189276	1/8 - 1/4 Mile WNW
A3	CAOG11000189277	1/8 - 1/4 Mile WNW
A4	CAOG11000189278	1/8 - 1/4 Mile WNW
A5	CAOG11000189279	1/8 - 1/4 Mile WNW
A6	CAOG11000189280	1/8 - 1/4 Mile WNW
A7	CAOG11000189281	1/8 - 1/4 Mile WNW
A8	CAOG11000189282	1/8 - 1/4 Mile WNW
A9	CAOG11000189283	1/8 - 1/4 Mile WNW
A10	CAOG11000189086	1/8 - 1/4 Mile WNW
A11	CAOG11000189284	1/8 - 1/4 Mile WNW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A12	CAOG11000189285	1/8 - 1/4 Mile WNW
A13	CAOG11000189087	1/8 - 1/4 Mile WNW
A14	CAOG11000189286	1/8 - 1/4 Mile WNW
A15	CAOG11000189089	1/8 - 1/4 Mile WNW
A16	CAOG11000189287	1/8 - 1/4 Mile WNW
A17	CAOG11000189090	1/8 - 1/4 Mile WNW
A18	CAOG11000189288	1/8 - 1/4 Mile WNW
A19	CAOG11000189289	1/8 - 1/4 Mile WNW
A20	CAOG11000189290	1/8 - 1/4 Mile WNW
A21	CAOG11000189260	1/8 - 1/4 Mile WNW
A22	CAOG11000189261	1/8 - 1/4 Mile WNW
A23	CAOG11000189262	1/8 - 1/4 Mile WNW
A24	CAOG11000189263	1/8 - 1/4 Mile WNW
A25	CAOG11000189264	1/8 - 1/4 Mile WNW
A26	CAOG11000189265	1/8 - 1/4 Mile WNW
A27	CAOG11000189266	1/8 - 1/4 Mile WNW
A28	CAOG11000189267	1/8 - 1/4 Mile WNW
A29	CAOG11000189268	1/8 - 1/4 Mile WNW
A30	CAOG11000189269	1/8 - 1/4 Mile WNW
A31	CAOG11000189270	1/8 - 1/4 Mile WNW
A32	CAOG11000189271	1/8 - 1/4 Mile WNW
A33	CAOG11000189272	1/8 - 1/4 Mile WNW
A34	CAOG11000189273	1/8 - 1/4 Mile WNW
A35	CAOG11000189085	1/8 - 1/4 Mile WNW
A36	CAOG11000189274	1/8 - 1/4 Mile WNW
A37	CAOG11000189088	1/8 - 1/4 Mile WNW
A38	CAOG11000202372	1/8 - 1/4 Mile WNW
A39	CAOG11000202955	1/4 - 1/2 Mile WNW
B40	CAOG11000203124	1/4 - 1/2 Mile SSW
B41	CAOG11000189377	1/4 - 1/2 Mile SW
B42	CAOG11000189378	1/4 - 1/2 Mile SW
B43	CAOG11000202956	1/4 - 1/2 Mile SW
B44	CAOG11000193165	1/4 - 1/2 Mile SSW
B45	CAOG11000261326	1/4 - 1/2 Mile SSW
B46	CAOG11000261653	1/4 - 1/2 Mile SSW
C47	CAOG11000189331	1/4 - 1/2 Mile SSW
C48	CAOG11000261652	1/4 - 1/2 Mile SSW
C49	CAOG11000189340	1/4 - 1/2 Mile SSW
C50	CAOG11000261651	1/4 - 1/2 Mile SSW
C51	CAOG11000261650	1/4 - 1/2 Mile SSW
C52	CAOG11000189339	1/4 - 1/2 Mile SSW
C53	CAOG11000217210	1/4 - 1/2 Mile SSW
C54	CAOG11000189332	1/4 - 1/2 Mile SSW
C55	CAOG11000189333	1/4 - 1/2 Mile SSW
C56	CAOG11000261649	1/4 - 1/2 Mile SSW
C57	CAOG11000261648	1/4 - 1/2 Mile SSW
C58	CAOG11000261647	1/4 - 1/2 Mile SSW
C59	CAOG11000261327	1/4 - 1/2 Mile SSW
C60	CAOG11000193011	1/4 - 1/2 Mile SSW
C61	CAOG11000261646	1/4 - 1/2 Mile SSW
C62	CAOG11000189337	1/4 - 1/2 Mile SSW
C63	CAOG11000189338	1/4 - 1/2 Mile SSW
C64	CAOG11000261645	1/4 - 1/2 Mile SSW
C66	CAOG11000189336	1/4 - 1/2 Mile SSW
C65	CAOG11000189335	1/4 - 1/2 Mile SSW
C67	CAOG11000261644	1/4 - 1/2 Mile SSW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
C68	CAOG11000261643	1/4 - 1/2 Mile SSW
69	CAOG11000189259	1/4 - 1/2 Mile WNW
D70	CAOG11000202983	1/4 - 1/2 Mile SW
C71	CAOG11000189250	1/4 - 1/2 Mile SSW
C72	CAOG11000193784	1/4 - 1/2 Mile SSW
D73	CAOG11000202262	1/4 - 1/2 Mile SW
D74	CAOG11000201281	1/4 - 1/2 Mile SSW
D75	CAOG11000189258	1/4 - 1/2 Mile SW
D76	CAOG11000193570	1/4 - 1/2 Mile SW
E77	CAOG11000189254	1/4 - 1/2 Mile WSW
F78	CAOG11000189255	1/4 - 1/2 Mile SW
D79	CAOG11000201282	1/4 - 1/2 Mile SW
D80	CAOG11000202940	1/4 - 1/2 Mile SW
F81	CAOG11000202868	1/2 - 1 Mile SW
G82	CAOG11000189247	1/2 - 1 Mile SSW
G83	CAOG11000189248	1/2 - 1 Mile SSW
H85	CAOG11000189257	1/2 - 1 Mile SW
H84	CAOG11000189256	1/2 - 1 Mile SW
86	CAOG11000201280	1/2 - 1 Mile SSW
H87	CAOG11000202371	1/2 - 1 Mile SW
G88	CAOG11000189249	1/2 - 1 Mile SSW
E89	CAOG11000189253	1/2 - 1 Mile WSW
F90	CAOG11000201239	1/2 - 1 Mile SW
G91	CAOG11000189251	1/2 - 1 Mile SSW
G92	CAOG11000189252	1/2 - 1 Mile SSW
G93	CAOG11000203145	1/2 - 1 Mile SSW
F94	CAOG11000202938	1/2 - 1 Mile SW
G95	CAOG11000189334	1/2 - 1 Mile SSW
H96	CAOG11000202939	1/2 - 1 Mile SW
H97	CAOG11000189598	1/2 - 1 Mile SW
G98	CAOG11000189330	1/2 - 1 Mile SSW
G99	CAOG11000189329	1/2 - 1 Mile SSW
G100	CAOG11000189342	1/2 - 1 Mile SSW
I101	CAOG11000193526	1/2 - 1 Mile SW
J102	CAOG11000189210	1/2 - 1 Mile SW
103	CAOG11000202937	1/2 - 1 Mile SSW
J104	CAOG11000201184	1/2 - 1 Mile SSW
J105	CAOG11000189211	1/2 - 1 Mile SSW
K106	CAOG11000203019	1/2 - 1 Mile WSW
J107	CAOG11000202730	1/2 - 1 Mile SSW
I108	CAOG11000202812	1/2 - 1 Mile SW
L109	CAOG11000203198	1/2 - 1 Mile SSW
K110	CAOG11000202811	1/2 - 1 Mile WSW
M111	CAOG11000193147	1/2 - 1 Mile SSW
K112	CAOG11000189234	1/2 - 1 Mile WSW
K113	CAOG11000189235	1/2 - 1 Mile WSW
J114	CAOG11000202706	1/2 - 1 Mile SSW
M115	CAOG11000193131	1/2 - 1 Mile SSW
116	CAOG11000202729	1/2 - 1 Mile SW
M117	CAOG11000189341	1/2 - 1 Mile SSW
J118	CAOG11000203237	1/2 - 1 Mile SSW
J119	CAOG11000202708	1/2 - 1 Mile SSW
M120	CAOG11000189413	1/2 - 1 Mile SSW
M121	CAOG11000189412	1/2 - 1 Mile SSW
M122	CAOG11000189411	1/2 - 1 Mile SSW
M123	CAOG11000189410	1/2 - 1 Mile SSW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
M124	CAOG11000189409	1/2 - 1 Mile SSW
M125	CAOG11000202268	1/2 - 1 Mile SSW
M126	CAOG11000189408	1/2 - 1 Mile SSW
M127	CAOG11000189407	1/2 - 1 Mile SSW
M128	CAOG11000189406	1/2 - 1 Mile SSW
M129	CAOG11000189404	1/2 - 1 Mile SSW
M130	CAOG11000189405	1/2 - 1 Mile SSW
M131	CAOG11000189403	1/2 - 1 Mile SSW
M132	CAOG11000189401	1/2 - 1 Mile SSW
M133	CAOG11000189402	1/2 - 1 Mile SSW
134	CAOG11000202370	1/2 - 1 Mile WSW
N135	CAOG11000202809	1/2 - 1 Mile WSW
M137	CAOG11000189400	1/2 - 1 Mile SSW
M136	CAOG11000189399	1/2 - 1 Mile SSW
M138	CAOG11000189398	1/2 - 1 Mile SSW
M139	CAOG11000189397	1/2 - 1 Mile SSW
M140	CAOG11000189396	1/2 - 1 Mile SSW
M141	CAOG11000189395	1/2 - 1 Mile SSW
L142	CAOG11000202369	1/2 - 1 Mile SSW
O143	CAOG11000202807	1/2 - 1 Mile WSW
M144	CAOG11000189394	1/2 - 1 Mile SSW
145	CAOG11000204827	1/2 - 1 Mile NNE
M146	CAOG11000189393	1/2 - 1 Mile SSW
M147	CAOG11000189392	1/2 - 1 Mile SSW
P148	CAOG11000202728	1/2 - 1 Mile SW
N149	CAOG11000202808	1/2 - 1 Mile WSW
Q150	CAOG11000202705	1/2 - 1 Mile SSW
Q151	CAOG11000202704	1/2 - 1 Mile SSW
R152	CAOG11000189033	1/2 - 1 Mile SSW
R153	CAOG11000189034	1/2 - 1 Mile SSW
R154	CAOG11000189035	1/2 - 1 Mile SSW
N155	CAOG11000202810	1/2 - 1 Mile WSW
R156	CAOG11000189036	1/2 - 1 Mile SSW
R157	CAOG11000189037	1/2 - 1 Mile SSW
R158	CAOG11000189246	1/2 - 1 Mile SSW
R159	CAOG11000189379	1/2 - 1 Mile SSW
S160	CAOG11000189083	1/2 - 1 Mile SSW
R161	CAOG11000189380	1/2 - 1 Mile SSW
T162	CAOG11000202725	1/2 - 1 Mile WSW
R163	CAOG11000189381	1/2 - 1 Mile SSW
R164	CAOG11000189382	1/2 - 1 Mile SSW
R165	CAOG11000189383	1/2 - 1 Mile SSW
R166	CAOG11000189384	1/2 - 1 Mile SSW
R167	CAOG11000189385	1/2 - 1 Mile SSW
R169	CAOG11000214123	1/2 - 1 Mile SSW
R168	CAOG11000214122	1/2 - 1 Mile SSW
T171	CAOG11000189206	1/2 - 1 Mile WSW
T170	CAOG11000189205	1/2 - 1 Mile WSW
O172	CAOG11000202953	1/2 - 1 Mile WSW
R173	CAOG11000189386	1/2 - 1 Mile SSW
R174	CAOG11000189387	1/2 - 1 Mile SSW
S175	CAOG11000202707	1/2 - 1 Mile SSW
R176	CAOG11000189388	1/2 - 1 Mile SSW
U177	CAOG11000189461	1/2 - 1 Mile West
S178	CAOG11000202703	1/2 - 1 Mile SSW
S179	CAOG11000202863	1/2 - 1 Mile SSW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
R181	CAOG11000189390	1/2 - 1 Mile SSW
R180	CAOG11000189389	1/2 - 1 Mile SSW
R182	CAOG11000189391	1/2 - 1 Mile SSW
S183	CAOG11000189202	1/2 - 1 Mile SSW
V184	CAOG11000202954	1/2 - 1 Mile WSW
Q185	CAOG11000202701	1/2 - 1 Mile SSW
P186	CAOG11000202727	1/2 - 1 Mile SW
T187	CAOG11000202724	1/2 - 1 Mile WSW
W188	CAOG11000203908	1/2 - 1 Mile SW
S190	CAOG11000202267	1/2 - 1 Mile SSW
S189	CAOG11000202266	1/2 - 1 Mile SSW
W191	CAOG11000189204	1/2 - 1 Mile SW
X192	CAOG11000202952	1/2 - 1 Mile WSW
Y193	CAOG11000202726	1/2 - 1 Mile SW
V194	CAOG11000202951	1/2 - 1 Mile WSW
U195	CAOG11000188880	1/2 - 1 Mile West
Y196	CAOG11000189214	1/2 - 1 Mile SW
Y197	CAOG11000189213	1/2 - 1 Mile SW
Y198	CAOG11000189212	1/2 - 1 Mile SW
Y199	CAOG11000189084	1/2 - 1 Mile SW
Z200	CAOG11000202712	1/2 - 1 Mile WSW
X201	CAOG11000202948	1/2 - 1 Mile West
AA202	CAOG11000202723	1/2 - 1 Mile WSW
AB203	CAOG11000216803	1/2 - 1 Mile South
Z204	CAOG11000189221	1/2 - 1 Mile WSW
Z205	CAOG11000189222	1/2 - 1 Mile WSW
AB206	CAOG11000202265	1/2 - 1 Mile SSW
X207	CAOG11000202949	1/2 - 1 Mile WSW
AA208	CAOG11000202722	1/2 - 1 Mile WSW
Z209	CAOG11000202731	1/2 - 1 Mile WSW
AA210	CAOG11000202367	1/2 - 1 Mile WSW
AA211	CAOG11000203909	1/2 - 1 Mile WSW
AC212	CAOG11000202699	1/2 - 1 Mile SW
AD213	CAOG11000188883	1/2 - 1 Mile West
AE214	CAOG11000189216	1/2 - 1 Mile WSW
AF215	CAOG11000202950	1/2 - 1 Mile WSW
AB216	CAOG11000189457	1/2 - 1 Mile South
AB218	CAOG11000189415	1/2 - 1 Mile South
AB217	CAOG11000189414	1/2 - 1 Mile South
AB220	CAOG11000189417	1/2 - 1 Mile South
AB219	CAOG11000189416	1/2 - 1 Mile South
AB221	CAOG11000189418	1/2 - 1 Mile South
AB223	CAOG11000214043	1/2 - 1 Mile South
AB222	CAOG11000214042	1/2 - 1 Mile South
AG224	CAOG11000202947	1/2 - 1 Mile West
AC225	CAOG11000223343	1/2 - 1 Mile SW
AB226	CAOG11000189419	1/2 - 1 Mile South
AA227	CAOG11000202713	1/2 - 1 Mile WSW
AH228	CAOG11000202721	1/2 - 1 Mile SW
AB229	CAOG11000193130	1/2 - 1 Mile South
230	CAOG11000202867	1/2 - 1 Mile NW
AB231	CAOG11000189420	1/2 - 1 Mile South
AB232	CAOG11000189421	1/2 - 1 Mile South
AD234	CAOG11000188882	1/2 - 1 Mile West
AD233	CAOG11000188881	1/2 - 1 Mile West
AB235	CAOG11000203146	1/2 - 1 Mile SSW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
AB236	CAOG11000189422	1/2 - 1 Mile South
AB237	CAOG11000189423	1/2 - 1 Mile South
AB238	CAOG11000189424	1/2 - 1 Mile South
AF239	CAOG11000202946	1/2 - 1 Mile West
AB240	CAOG11000189425	1/2 - 1 Mile South
AC241	CAOG11000202695	1/2 - 1 Mile SW
AB242	CAOG11000189426	1/2 - 1 Mile South
AB243	CAOG11000189427	1/2 - 1 Mile South
AF244	CAOG11000202945	1/2 - 1 Mile WSW
AD245	CAOG11000203906	1/2 - 1 Mile West
AG246	CAOG11000201272	1/2 - 1 Mile West
AB247	CAOG11000189428	1/2 - 1 Mile South
AI249	CAOG11000189063	1/2 - 1 Mile WSW
AI248	CAOG11000189062	1/2 - 1 Mile WSW
AB250	CAOG11000189429	1/2 - 1 Mile South
AB251	CAOG11000189430	1/2 - 1 Mile South
AB252	CAOG11000188772	1/2 - 1 Mile South
AE253	CAOG11000189220	1/2 - 1 Mile WSW
AJ254	CAOG11000189431	1/2 - 1 Mile South
AJ255	CAOG11000189432	1/2 - 1 Mile South
AC256	CAOG11000202696	1/2 - 1 Mile SW
AK257	CAOG11000202870	1/2 - 1 Mile SSW
AJ260	CAOG11000189435	1/2 - 1 Mile South
AJ258	CAOG11000189433	1/2 - 1 Mile South
AJ259	CAOG11000189434	1/2 - 1 Mile South
AH261	CAOG11000202720	1/2 - 1 Mile SW
AJ262	CAOG11000193166	1/2 - 1 Mile South
AI263	CAOG11000202714	1/2 - 1 Mile WSW
264	CAOG11000202631	1/2 - 1 Mile SW
AL265	CAOG11000202698	1/2 - 1 Mile SSW
AL266	CAOG11000202697	1/2 - 1 Mile SSW
AL267	CAOG11000188771	1/2 - 1 Mile SSW
AJ269	CAOG11000189032	1/2 - 1 Mile South
AJ268	CAOG11000189031	1/2 - 1 Mile South
AF270	CAOG11000202944	1/2 - 1 Mile WSW
AJ271	CAOG11000189456	1/2 - 1 Mile South
AJ272	CAOG11000203154	1/2 - 1 Mile SSW
AJ273	CAOG11000189455	1/2 - 1 Mile South
AM274	CAOG11000202732	1/2 - 1 Mile WSW
AJ275	CAOG11000189454	1/2 - 1 Mile South
AK276	CAOG11000202258	1/2 - 1 Mile SSW
AJ277	CAOG11000189453	1/2 - 1 Mile South
AL278	CAOG11000202230	1/2 - 1 Mile SW
AJ279	CAOG11000189030	1/2 - 1 Mile South
280	CAOG11000202941	1/2 - 1 Mile West
AJ281	CAOG11000189452	1/2 - 1 Mile South
282	CAOG11000202943	1/2 - 1 Mile WSW
283	CAOG11000189618	1/2 - 1 Mile West
AJ285	CAOG11000203153	1/2 - 1 Mile SSW
AJ284	CAOG11000203152	1/2 - 1 Mile SSW
AJ286	CAOG11000189451	1/2 - 1 Mile South
AM287	CAOG11000193970	1/2 - 1 Mile WSW
AM288	CAOG11000193971	1/2 - 1 Mile WSW
AJ290	CAOG11000189450	1/2 - 1 Mile South
AJ289	CAOG11000189449	1/2 - 1 Mile South
AM291	CAOG11000194000	1/2 - 1 Mile WSW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
292	CAOG11000202224	1/2 - 1 Mile West
AN295	CAOG11000189209	1/2 - 1 Mile SW
AN293	CAOG11000189207	1/2 - 1 Mile SW
AN294	CAOG11000189208	1/2 - 1 Mile SW
AM296	CAOG11000194121	1/2 - 1 Mile WSW
AJ297	CAOG11000203151	1/2 - 1 Mile SSW
AJ299	CAOG11000189448	1/2 - 1 Mile South
AJ298	CAOG11000189447	1/2 - 1 Mile South

PHYSICAL SETTING SOURCE MAP - 04328849.2r



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME: Former Long Beach Public Service Yard
 ADDRESS: San Francisco Ave/W Anaheim St
 Long Beach CA 90813
 LAT/LONG: 33.7843 / 118.2038

CLIENT: SCS Engineers
 CONTACT: Kim Braun
 INQUIRY #: 04328849.2r
 DATE: June 17, 2015 3:24 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

1 SE 1/8 - 1/4 Mile Lower	Site ID: 908130252 Groundwater Flow: SSE Shallow Water Depth: 8 Deep Water Depth: 9 Average Water Depth: Not Reported Date: 05/15/1995	AQUIFLOW 70497
--	---	------------------------------

2 ENE 1/8 - 1/4 Mile Higher	Site ID: 908130325 Groundwater Flow: SW Shallow Water Depth: 13 Deep Water Depth: 15 Average Water Depth: Not Reported Date: 05/06/1998	AQUIFLOW 70540
--	--	------------------------------

3 WSW 1/4 - 1/2 Mile Higher		CA WELLS CADW50000003188
Latitude : 33.783042 Longitude : 118.208533 Site code: 337828N1172093W001 Local well: EMWD12466 County id: 33 Basin cd: 8-5 Org unit n: Southern Region Office	Casgem sta: 04S03W33E001S Casgem s 1: Observation Basin desc: San Jacinto Site id: CADW50000003188	

4 NW 1/4 - 1/2 Mile Lower	Site ID: 908130516 Groundwater Flow: NW Shallow Water Depth: 13.68 Deep Water Depth: 14.59 Average Water Depth: Not Reported Date: 10/15/1990	AQUIFLOW 70491
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A5 WNW 1/4 - 1/2 Mile Lower		FED USGS USGS40000138170
Org. Identifier: USGS-CA Formal name: USGS California Water Science Center Monloc Identifier: USGS-334712118124302 Monloc name: 004S013W35B003S Monloc type: Well Monloc desc: Not Reported Huc code: Not Reported Drainagearea Units: Not Reported Contrib drainagearea units: Not Reported Longitude: -118.2119639	Drainagearea value: Not Reported Contrib drainagearea: Not Reported Latitude: 33.78655 Sourcemap scale: 24000	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Horiz Acc measure:	.5	Horiz Acc measure units:	seconds
Horiz Collection method:	Global positioning system (GPS), uncorrected		
Horiz coord refsys:	NAD83	Vert measure val:	6.7
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19591008	Welldepth:	398
Welldepth units:	ft	Wellholedepth:	405
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 1

	Feet below	Feet to
Date	Surface	Sealevel

1999-03-18 23

A6
WNW
1/4 - 1/2 Mile
Lower

FED USGS USGS40000138169

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-334712118124301		
Monloc name:	004S013W35B002S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	33.78655
Longitude:	-118.2119639	Sourcemap scale:	24000
Horiz Acc measure:	.5	Horiz Acc measure units:	seconds
Horiz Collection method:	Global positioning system (GPS), uncorrected		
Horiz coord refsys:	NAD83	Vert measure val:	6.7
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19591007	Welldepth:	713
Welldepth units:	ft	Wellholedepth:	1005
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 1

	Feet below	Feet to
Date	Surface	Sealevel

1999-03-18 78.83

7
NE
1/2 - 1 Mile
Lower

Site ID:	908061052	
Groundwater Flow:	NNW	
Shallow Water Depth:	11.52	
Deep Water Depth:	14.60	
Average Water Depth:	Not Reported	
Date:	12/01/1993	

AQUIFLOW 70542

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

8 NW 1/2 - 1 Mile Lower	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	907440061 N 47.77 50.8 Not Reported 06/30/1999	AQUIFLOW	70501
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A9 WNW 1/2 - 1 Mile Lower			CA WELLS	CADW50000003209
Latitude :	33.7866			
Longitude :	118.2129			
Site code:	337866N1182129W001	Casgem sta:	04S13W35B002S	
Local well:	Not Reported	Casgem s 1:	Unknown	
County id:	19			
Basin cd:	4-11.03	Basin desc:	West Coast	
Org unit n:	Southern Region Office	Site id:	CADW50000003209	

A10 WNW 1/2 - 1 Mile Lower			CA WELLS	CADW50000003208
Latitude :	33.7866			
Longitude :	118.2129			
Site code:	337866N1182129W002	Casgem sta:	04S13W35B003S	
Local well:	Not Reported	Casgem s 1:	Unknown	
County id:	19			
Basin cd:	4-11.03	Basin desc:	West Coast	
Org unit n:	Southern Region Office	Site id:	CADW50000003208	

11 East 1/2 - 1 Mile Higher	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	908130470 Not Reported Not Reported Not Reported 30 06/22/1993	AQUIFLOW	70528
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12 West 1/2 - 1 Mile Lower	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	908130234 Varies 9 11 Not Reported 05/25/1999	AQUIFLOW	70499
---	---	--	-----------------	--------------

13 West 1/2 - 1 Mile Lower	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	90803125 Not Reported 7 14 Not Reported 10/1987	AQUIFLOW	55247
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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database

EDR ID Number

14
West
1/2 - 1 Mile
Lower

Site ID: 90813027
Groundwater Flow: NNW
Shallow Water Depth: 12.69
Deep Water Depth: 13.29
Average Water Depth: Not Reported
Date: 03/15/1996

AQUIFLOW 70475

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

A1

WNW

1/8 - 1/4 Mile

OIL_GAS

CAOG11000189275

District nun:	1	Api number:	03703738
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Tidelands Oil Prod. Co.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block V	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	13.342
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910018.ssf		
Leasename:	Not Reported	Wellnumber:	M951E
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Directionally drilled	Gissymbol:	POG
Site id:	CAOG11000189275		

A2

WNW

1/8 - 1/4 Mile

OIL_GAS

CAOG11000189276

District nun:	1	Api number:	03703739
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Tidelands Oil Prod. Co.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block V	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	14.153
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910018.ssf		
Leasename:	Not Reported	Wellnumber:	M952E
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Directionally drilled	Gissymbol:	POG
Site id:	CAOG11000189276		

A3

WNW

1/8 - 1/4 Mile

OIL_GAS

CAOG11000189277

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03703740
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Tidelands Oil Prod. Co.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block V	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	13.398
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910018.ssf		
Leasename:	Not Reported	Wellnumber:	M953E
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Directionally drilled	Gissymbol:	AOG
Site id:	CAOG11000189277		

A4
WNW
1/8 - 1/4 Mile

OIL_GAS CAOG11000189278

District nun:	1	Api number:	03703741
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Tidelands Oil Prod. Co.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block V	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	17.255
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910018.ssf		
Leasename:	Not Reported	Wellnumber:	M954E
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Directionally drilled	Gissymbol:	AOG
Site id:	CAOG11000189278		

A5
WNW
1/8 - 1/4 Mile

OIL_GAS CAOG11000189279

District nun:	1	Api number:	03703742
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Tidelands Oil Prod. Co.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block V	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	17.651
Locationde:	Not Reported		
Gissourcec:	gps		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	84910018.ssf	Wellnumber:	M955E
Leasename:	Not Reported	Hydraulica:	N
Epawell:	N	Spuddate:	30-DEC-99
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Directionally drilled	Gissymbol:	AOG
Site id:	CAOG11000189279		

A6 WNW 1/8 - 1/4 Mile

OIL_GAS CAOG11000189280

District nun:	1	Api number:	03703743
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Tidelands Oil Prod. Co.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block V	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	21.745
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910018.ssf		
Leasename:	Not Reported	Wellnumber:	M956E
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Directionally drilled	Gissymbol:	AOG
Site id:	CAOG11000189280		

A7 WNW 1/8 - 1/4 Mile

OIL_GAS CAOG11000189281

District nun:	1	Api number:	03703744
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Tidelands Oil Prod. Co.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block V	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	14.324
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910018.ssf		
Leasename:	Not Reported	Wellnumber:	M957E
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Directionally drilled	Gissymbol:	AOG
Site id:	CAOG11000189281		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

A8

WNW

1/8 - 1/4 Mile

OIL_GAS

CAOG11000189282

District nun:	1	Api number:	03703745
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Tidelands Oil Prod. Co.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block V	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	9.775
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910018.ssf		
Leasename:	Not Reported	Wellnumber:	M958E
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Directionally drilled	Gissymbol:	AOG
Site id:	CAOG11000189282		

A9

WNW

1/8 - 1/4 Mile

OIL_GAS

CAOG11000189283

District nun:	1	Api number:	03703746
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Tidelands Oil Prod. Co.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block V	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	7.05
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910018.ssf		
Leasename:	Not Reported	Wellnumber:	M959E
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Directionally drilled	Gissymbol:	POG
Site id:	CAOG11000189283		

A10

WNW

1/8 - 1/4 Mile

OIL_GAS

CAOG11000189086

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03703228
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Tidelands Oil Prod. Co.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block V	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	10.216
Locationde:	R5		
Gissourcec:	gps		
Comments:	84910018.ssf		
Leasename:	Not Reported	Wellnumber:	556-W
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Directionally drilled	Gissymbol:	AWF
Site id:	CAOG11000189086		

A11 WNW 1/8 - 1/4 Mile

OIL_GAS CAOG11000189284

District nun:	1	Api number:	03703747
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Tidelands Oil Prod. Co.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block V	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	8.822
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910018.ssf		
Leasename:	Not Reported	Wellnumber:	M960E
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Directionally drilled	Gissymbol:	AOG
Site id:	CAOG11000189284		

A12 WNW 1/8 - 1/4 Mile

OIL_GAS CAOG11000189285

District nun:	1	Api number:	03703748
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Tidelands Oil Prod. Co.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block V	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	11.139
Locationde:	Not Reported		
Gissourcec:	gps		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	84910018.ssf	Wellnumber:	M961E
Leasename:	Not Reported	Hydraulica:	N
Epawell:	N	Spuddate:	30-DEC-99
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandoneddd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Directionally drilled	Gissymbol:	AOG
Site id:	CAOG11000189285		

A13

WNW

1/8 - 1/4 Mile

OIL_GAS

CAOG11000189087

District nun:	1	Api number:	03703229
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Tidelands Oil Prod. Co.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block V	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	10.399
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910018.ssf		
Leasename:	Not Reported	Wellnumber:	558-W
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandoneddd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Directionally drilled	Gissymbol:	PWF
Site id:	CAOG11000189087		

A14

WNW

1/8 - 1/4 Mile

OIL_GAS

CAOG11000189286

District nun:	1	Api number:	03703749
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Tidelands Oil Prod. Co.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block V	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	9.246
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910018.ssf		
Leasename:	Not Reported	Wellnumber:	M962E
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandoneddd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Directionally drilled	Gissymbol:	POG
Site id:	CAOG11000189286		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

A15

WNW

1/8 - 1/4 Mile

OIL_GAS

CAOG11000189089

District nun:	1	Api number:	03703232
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Tidelands Oil Prod. Co.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block V	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	13.339
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910018.ssf		
Leasename:	Not Reported	Wellnumber:	587-W
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Directionally drilled	Gissymbol:	PWF
Site id:	CAOG11000189089		

A16

WNW

1/8 - 1/4 Mile

OIL_GAS

CAOG11000189287

District nun:	1	Api number:	03703750
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Tidelands Oil Prod. Co.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block V	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	14.313
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910018.ssf		
Leasename:	Not Reported	Wellnumber:	M963E
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Directionally drilled	Gissymbol:	AOG
Site id:	CAOG11000189287		

A17

WNW

1/8 - 1/4 Mile

OIL_GAS

CAOG11000189090

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03703233
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Mobil Oil Corporation		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block V	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	14.253
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910018.ssf		
Leasename:	Not Reported	Wellnumber:	588-W
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Directionally drilled	Gissymbol:	PWF
Site id:	CAOG11000189090		

A18

WNW

1/8 - 1/4 Mile

OIL_GAS

CAOG11000189288

District nun:	1	Api number:	03703752
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	I
Operator name:	Tidelands Oil Prod. Co.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block V	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	13.149
Locationde:	V Ranger		
Gissourcec:	gps		
Comments:	84910018.ssf		
Leasename:	Not Reported	Wellnumber:	M970E
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Directionally drilled	Gissymbol:	AOG
Site id:	CAOG11000189288		

A19

WNW

1/8 - 1/4 Mile

OIL_GAS

CAOG11000189289

District nun:	1	Api number:	03703753
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Tidelands Oil Prod. Co.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block V	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	8.782
Locationde:	R5		
Gissourcec:	gps		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	84910018.ssf	Wellnumber:	578-W
Leasename:	Not Reported	Hydraulica:	N
Epawell:	N	Spuddate:	30-DEC-99
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandoneddd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Directionally drilled	Gissymbol:	AWF
Site id:	CAOG11000189289		

A20 WNW

1/8 - 1/4 Mile

OIL_GAS

CAOG11000189290

District nun:	1	Api number:	03703753
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Tidelands Oil Prod. Co.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block V	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	8.782
Locationde:	R5		
Gissourcec:	gps		
Comments:	84910018.ssf		
Leasename:	Not Reported	Wellnumber:	578-W
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandoneddd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Directionally drilled	Gissymbol:	AWF
Site id:	CAOG11000189290		

A21 WNW

1/8 - 1/4 Mile

OIL_GAS

CAOG11000189260

District nun:	1	Api number:	03703724
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Tidelands Oil Prod. Co.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block V	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	14.408
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910018.ssf		
Leasename:	Not Reported	Wellnumber:	M901E
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandoneddd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Directionally drilled	Gissymbol:	AOG
Site id:	CAOG11000189260		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

A22

WNW

1/8 - 1/4 Mile

OIL_GAS

CAOG11000189261

District nun:	1	Api number:	03703725
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Tidelands Oil Prod. Co.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block V	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	8.728
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910018.ssf		
Leasename:	Not Reported	Wellnumber:	M902E
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Directionally drilled	Gissymbol:	POG
Site id:	CAOG11000189261		

A23

WNW

1/8 - 1/4 Mile

OIL_GAS

CAOG11000189262

District nun:	1	Api number:	03703726
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Tidelands Oil Prod. Co.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block V	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	9.026
Locationde:	R5		
Gissourcec:	gps		
Comments:	84910018.ssf		
Leasename:	Not Reported	Wellnumber:	562-W
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Directionally drilled	Gissymbol:	AWF
Site id:	CAOG11000189262		

A24

WNW

1/8 - 1/4 Mile

OIL_GAS

CAOG11000189263

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03703726
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Tidelands Oil Prod. Co.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block V	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	9.026
Locationde:	R5		
Gissourcec:	gps		
Comments:	84910018.ssf		
Leasename:	Not Reported	Wellnumber:	562-W
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Directionally drilled	Gissymbol:	AWF
Site id:	CAOG11000189263		

A25 WNW 1/8 - 1/4 Mile

OIL_GAS CAOG11000189264

District nun:	1	Api number:	03703726
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Tidelands Oil Prod. Co.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block V	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	9.026
Locationde:	R5		
Gissourcec:	gps		
Comments:	84910018.ssf		
Leasename:	Not Reported	Wellnumber:	562-W
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Directionally drilled	Gissymbol:	AWF
Site id:	CAOG11000189264		

A26 WNW 1/8 - 1/4 Mile

OIL_GAS CAOG11000189265

District nun:	1	Api number:	03703727
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Tidelands Oil Prod. Co.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block V	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	8.657
Locationde:	Not Reported		
Gissourcec:	gps		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	84910018.ssf	Wellnumber:	M904E
Leasename:	Not Reported	Hydraulica:	N
Epawell:	N	Spuddate:	30-DEC-99
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandoneddd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Directionally drilled	Gissymbol:	AOG
Site id:	CAOG11000189265		

A27 WNW

1/8 - 1/4 Mile

OIL_GAS

CAOG11000189266

District nun:	1	Api number:	03703728
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Tidelands Oil Prod. Co.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block V	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	10.401
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910018.ssf		
Leasename:	Not Reported	Wellnumber:	M905E
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandoneddd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Directionally drilled	Gissymbol:	POG
Site id:	CAOG11000189266		

A28 WNW

1/8 - 1/4 Mile

OIL_GAS

CAOG11000189267

District nun:	1	Api number:	03703729
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Tidelands Oil Prod. Co.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block V	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	14.152
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910018.ssf		
Leasename:	Not Reported	Wellnumber:	M906E
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandoneddd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Directionally drilled	Gissymbol:	AOG
Site id:	CAOG11000189267		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

A29

WNW

1/8 - 1/4 Mile

OIL_GAS

CAOG11000189268

District nun:	1	Api number:	03703730
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Tidelands Oil Prod. Co.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block V	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	15.483
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910018.ssf		
Leasename:	Not Reported	Wellnumber:	M907E
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Directionally drilled	Gissymbol:	AOG
Site id:	CAOG11000189268		

A30

WNW

1/8 - 1/4 Mile

OIL_GAS

CAOG11000189269

District nun:	1	Api number:	03703731
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Tidelands Oil Prod. Co.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block V	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	13.212
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910018.ssf		
Leasename:	Not Reported	Wellnumber:	M908E
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Directionally drilled	Gissymbol:	POG
Site id:	CAOG11000189269		

A31

WNW

1/8 - 1/4 Mile

OIL_GAS

CAOG11000189270

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03703732
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Tidelands Oil Prod. Co.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block V	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	17.633
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910018.ssf		
Leasename:	Not Reported	Wellnumber:	M909E
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Directionally drilled	Gissymbol:	AOG
Site id:	CAOG11000189270		

A32

WNW

1/8 - 1/4 Mile

OIL_GAS

CAOG11000189271

District nun:	1	Api number:	03703733
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Tidelands Oil Prod. Co.		
County name:	Los Angeles	Fieldname:	Old Wilmington (ABD)
Area name:	Fault Block V Onshore	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	15.283
Locationde:	R5		
Gissourcec:	gps		
Comments:	84910018.ssf		
Leasename:	Not Reported	Wellnumber:	560-W
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Directionally drilled	Gissymbol:	PWF
Site id:	CAOG11000189271		

A33

WNW

1/8 - 1/4 Mile

OIL_GAS

CAOG11000189272

District nun:	1	Api number:	03703733
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Tidelands Oil Prod. Co.		
County name:	Los Angeles	Fieldname:	Old Wilmington (ABD)
Area name:	Fault Block V Onshore	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	15.283
Locationde:	R5		
Gissourcec:	gps		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	84910018.ssf	Wellnumber:	560-W
Leasename:	Not Reported	Hydraulica:	N
Epawell:	N	Spuddate:	30-DEC-99
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandoneddd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Directionally drilled	Gissymbol:	PWF
Site id:	CAOG11000189272		

A34 WNW

1/8 - 1/4 Mile

OIL_GAS

CAOG11000189273

District nun:	1	Api number:	03703734
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Tidelands Oil Prod. Co.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block V	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	13.97
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910018.ssf		
Leasename:	Not Reported	Wellnumber:	M911E
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandoneddd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Directionally drilled	Gissymbol:	AOG
Site id:	CAOG11000189273		

A35 WNW

1/8 - 1/4 Mile

OIL_GAS

CAOG11000189085

District nun:	1	Api number:	03703227
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	I
Operator name:	Tidelands Oil Prod. Co.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block V	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	13.438
Locationde:	R5		
Gissourcec:	gps		
Comments:	84910018.ssf		
Leasename:	Not Reported	Wellnumber:	553-W
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandoneddd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Directionally drilled	Gissymbol:	AWF
Site id:	CAOG11000189085		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

A36

WNW

1/8 - 1/4 Mile

OIL_GAS

CAOG11000189274

District nun:	1	Api number:	03703736
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Tidelands Oil Prod. Co.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block V	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	11.737
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910018.ssf		
Leasename:	Not Reported	Wellnumber:	571-W
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Directionally drilled	Gissymbol:	PWF
Site id:	CAOG11000189274		

A37

WNW

1/8 - 1/4 Mile

OIL_GAS

CAOG11000189088

District nun:	1	Api number:	03703231
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Tidelands Oil Prod. Co.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block V	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	12.798
Locationde:	R5		
Gissourcec:	gps		
Comments:	84910018.ssf		
Leasename:	Not Reported	Wellnumber:	585-W
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Directionally drilled	Gissymbol:	AWF
Site id:	CAOG11000189088		

A38

WNW

1/8 - 1/4 Mile

OIL_GAS

CAOG11000202372

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03703230
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Mobil Oil Corporation		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block V	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	581-W
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Directionally drilled	Gissymbol:	PWF
Site id:	CAOG11000202372		

A39

WNW

1/4 - 1/2 Mile

OIL_GAS

CAOG11000202955

District nun:	1	Api number:	03703735
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Mobil Oil Corporation		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block V	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	561-W
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Directionally drilled	Gissymbol:	PWF
Site id:	CAOG11000202955		

B40

SSW

1/4 - 1/2 Mile

OIL_GAS

CAOG11000203124

District nun:	1	Api number:	03703858
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block VI	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	opr		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	Not Reported	Wellnumber:	S-308
Leasename:	Not Reported	Hydraulica:	N
Epawell:	N	Spuddate:	30-DEC-99
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandoneddd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000203124		

B41 SW

1/4 - 1/2 Mile

OIL_GAS

CAOG11000189377

District nun:	1	Api number:	03703901
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block V	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	18.537
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910058.ssf		
Leasename:	Not Reported	Wellnumber:	SC-30
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandoneddd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Directionally drilled	Gissymbol:	AWF
Site id:	CAOG11000189377		

B42 SW

1/4 - 1/2 Mile

OIL_GAS

CAOG11000189378

District nun:	1	Api number:	03703901
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block V	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	18.537
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910058.ssf		
Leasename:	Not Reported	Wellnumber:	SC-30
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandoneddd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Directionally drilled	Gissymbol:	AWF
Site id:	CAOG11000189378		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

B43

SW

1/4 - 1/2 Mile

OIL_GAS

CAOG11000202956

District nun:	1	Api number:	03703737
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Tidelands Oil Prod. Co.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block V	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	M950E
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000202956		

B44

SSW

1/4 - 1/2 Mile

OIL_GAS

CAOG11000193165

District nun:	1	Api number:	03720733
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block V	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	10.195
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910058.ssf		
Leasename:	Not Reported	Wellnumber:	SC-31
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000193165		

B45

SSW

1/4 - 1/2 Mile

OIL_GAS

CAOG11000261326

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03727434
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	N
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Any Block	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	KB 24
Locationde:	Not Reported		
Gissourcec:	opr		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	S-515
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	NOG
Site id:	CAOG11000261326		

B46
SSW
1/4 - 1/2 Mile

OIL_GAS CAOG11000261653

District nun:	1	Api number:	03727433
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	N
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Any Block	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	KB 24
Locationde:	Not Reported		
Gissourcec:	opr		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	S-514
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	NOG
Site id:	CAOG11000261653		

C47
SSW
1/4 - 1/2 Mile

OIL_GAS CAOG11000189331

District nun:	1	Api number:	03703853
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block VI	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	16.954
Locationde:	Not Reported		
Gissourcec:	gps		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	84910058.ssf	Wellnumber:	S-303
Leasename:	Not Reported	Hydraulica:	N
Epawell:	N	Spuddate:	30-DEC-99
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandoneddd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000189331		

C48 SSW

1/4 - 1/2 Mile

OIL_GAS

CAOG11000261652

District nun:	1	Api number:	03727432
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block VI	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	KB 24
Locationde:	KB = 12'		
Gissourcec:	opr		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	S-513
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	23-DEC-12
Welldeptha:	5165		
Redrillfoo:	0		
Abandoneddd:	30-DEC-99	Completion:	03-JAN-13
Directiona:	Directionally drilled	Gissymbol:	AOG
Site id:	CAOG11000261652		

C49 SSW

1/4 - 1/2 Mile

OIL_GAS

CAOG11000189340

District nun:	1	Api number:	03703860
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block VI	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	14.768
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910058.ssf		
Leasename:	Not Reported	Wellnumber:	S-310
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandoneddd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000189340		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

C50

SSW

1/4 - 1/2 Mile

OIL_GAS

CAOG11000261651

District nun:	1	Api number:	03727431
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	N
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block VI	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	KB 24
Locationde:	well is to be directionally drilled show proposed coordinates from surface location and true vertical depth at total depth: 344.7'		
Gissourcec:	opr		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	S-512
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Directionally drilled	Gissymbol:	NOG
Site id:	CAOG11000261651		

C51

SSW

1/4 - 1/2 Mile

OIL_GAS

CAOG11000261650

District nun:	1	Api number:	03727430
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	N
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block VI	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	KB 24
Locationde:	Well is directionally drilled show proposed coordinates from surface loation and true vertical depth at total depth 209.0' North		
Gissourcec:	opr		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	S-511
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Directionally drilled	Gissymbol:	NOG
Site id:	CAOG11000261650		

C52

SSW

1/4 - 1/2 Mile

OIL_GAS

CAOG11000189339

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03703859
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block VI	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	11.221
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910058.ssf		
Leasename:	Not Reported	Wellnumber:	S-309
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000189339		

C53

SSW

1/4 - 1/2 Mile

OIL_GAS

CAOG11000217210

District nun:	1	Api number:	03727173
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	N
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block VI	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	12
Locationde:	Not Reported		
Gissourcec:	opr		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	S-510
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	03-JAN-13
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Directionally drilled	Gissymbol:	AOG
Site id:	CAOG11000217210		

C54

SSW

1/4 - 1/2 Mile

OIL_GAS

CAOG11000189332

District nun:	1	Api number:	03703854
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block VI	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	13.96
Locationde:	Not Reported		
Gissourcec:	gps		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	84910058.ssf	Wellnumber:	S-304
Leasename:	N-3-C	Hydraulica:	N
Epawell:	N	Spuddate:	30-DEC-99
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	AWF
Site id:	CAOG11000189332		

C55 SSW

1/4 - 1/2 Mile

OIL_GAS

CAOG11000189333

District nun:	1	Api number:	03703854
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block VI	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	13.96
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910058.ssf		
Leasename:	N-3-C	Wellnumber:	S-304
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	AWF
Site id:	CAOG11000189333		

C56 SSW

1/4 - 1/2 Mile

OIL_GAS

CAOG11000261649

District nun:	1	Api number:	03727429
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block VI	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	KB 24
Locationde:	Well directionally drilled show proposed coordinated from surface location and true vertical depth at total depth: 847.1' South		
Gissourcec:	opr		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	S-509
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	14-JAN-13
Welldeptha:	4400		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	11-MAR-13
Directiona:	Directionally drilled	Gissymbol:	AOG
Site id:	CAOG11000261649		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

C57

SSW

1/4 - 1/2 Mile

OIL_GAS

CAOG11000261648

District nun:	1	Api number:	03727428
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	N
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block VI	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	KB 24
Locationde:	Not Reported		
Gissourcec:	opr		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	S-508 I
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Directionally drilled	Gissymbol:	NWF
Site id:	CAOG11000261648		

C58

SSW

1/4 - 1/2 Mile

OIL_GAS

CAOG11000261647

District nun:	1	Api number:	03727427
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	N
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block VI	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	KB 24
Locationde:	Not Reported		
Gissourcec:	opr		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	S-507 I
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Directionally drilled	Gissymbol:	NWF
Site id:	CAOG11000261647		

C59

SSW

1/4 - 1/2 Mile

OIL_GAS

CAOG11000261327

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03727435
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	N
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Any Block	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	KB 24
Locationde:	Not Reported		
Gissourcec:	opr		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	S-506
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	NOG
Site id:	CAOG11000261327		

C60
SSW
1/4 - 1/2 Mile

OIL_GAS CAOG11000193011

District nun:	1	Api number:	03720076
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block VI	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	18.186
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910058.ssf		
Leasename:	N-3-C	Wellnumber:	S-015
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Directionally drilled	Gissymbol:	AWF
Site id:	CAOG11000193011		

C61
SSW
1/4 - 1/2 Mile

OIL_GAS CAOG11000261646

District nun:	1	Api number:	03727426
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	N
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Any Block	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	KB 24
Locationde:	Not Reported		
Gissourcec:	opr		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	Not Reported	Wellnumber:	S-505
Leasename:	Not Reported	Hydraulica:	N
Epawell:	N	Spuddate:	30-DEC-99
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandoneddd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	NWF
Site id:	CAOG11000261646		

C62 SSW

1/4 - 1/2 Mile

OIL_GAS

CAOG11000189337

District nun:	1	Api number:	03703857
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block VI	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	22.739
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910058.ssf		
Leasename:	N-3-C	Wellnumber:	S-307
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandoneddd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	AWF
Site id:	CAOG11000189337		

C63 SSW

1/4 - 1/2 Mile

OIL_GAS

CAOG11000189338

District nun:	1	Api number:	03703857
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block VI	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	22.739
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910058.ssf		
Leasename:	N-3-C	Wellnumber:	S-307
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandoneddd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	AWF
Site id:	CAOG11000189338		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

C64

SSW

1/4 - 1/2 Mile

OIL_GAS

CAOG11000261645

District nun:	1	Api number:	03727425
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	N
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Any Block	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	KB 24
Locationde:	Not Reported		
Gissourcec:	opr		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	S-504
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	NOG
Site id:	CAOG11000261645		

C66

SSW

1/4 - 1/2 Mile

OIL_GAS

CAOG11000189336

District nun:	1	Api number:	03703856
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block VI	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	19.567
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910058.ssf		
Leasename:	N-3-C	Wellnumber:	S-306
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	AWF
Site id:	CAOG11000189336		

C65

SSW

1/4 - 1/2 Mile

OIL_GAS

CAOG11000189335

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03703856
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block VI	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	19.567
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910058.ssf		
Leasename:	N-3-C	Wellnumber:	S-306
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	AWF
Site id:	CAOG11000189335		

C67 SSW 1/4 - 1/2 Mile

OIL_GAS CAOG11000261644

District nun:	1	Api number:	03727424
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	N
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Any Block	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	KB 24
Locationde:	Not Reported		
Gissourcec:	opr		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	S-503
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	NOG
Site id:	CAOG11000261644		

C68 SSW 1/4 - 1/2 Mile

OIL_GAS CAOG11000261643

District nun:	1	Api number:	03727423
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	N
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Any Block	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	KB 24
Locationde:	Not Reported		
Gissourcec:	opr		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	Not Reported	Wellnumber:	S-502
Leasename:	Not Reported	Hydraulica:	N
Epawell:	N	Spuddate:	30-DEC-99
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	NOG
Site id:	CAOG11000261643		

69

WNW

1/4 - 1/2 Mile

OIL_GAS

CAOG11000189259

District nun:	1	Api number:	03703723
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Tidelands Oil Prod. Co.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block V	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	11.129
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84907099.ssf		
Leasename:	Not Reported	Wellnumber:	M900E
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000189259		

D70

SW

1/4 - 1/2 Mile

OIL_GAS

CAOG11000202983

District nun:	1	Api number:	03703776
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Salvatore Natoli, Jr.		
County name:	Los Angeles	Fieldname:	Old Wilmington (ABD)
Area name:	Any Block	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	T & L	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000202983		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

C71

SSW

1/4 - 1/2 Mile

OIL_GAS

CAOG11000189250

District nun:	1	Api number:	03703698
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	I
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block V	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	22.815
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910058.ssf		
Leasename:	Not Reported	Wellnumber:	SC-26
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	AWF
Site id:	CAOG11000189250		

C72

SSW

1/4 - 1/2 Mile

OIL_GAS

CAOG11000193784

District nun:	1	Api number:	03722282
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block V	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	22.384
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910058.ssf		
Leasename:	Not Reported	Wellnumber:	S-234
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000193784		

D73

SW

1/4 - 1/2 Mile

OIL_GAS

CAOG11000202262

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03702256
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	John M. Stahl		
County name:	Los Angeles	Fieldname:	Old Wilmington (ABD)
Area name:	Any Block	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000202262		

D74

SSW

1/4 - 1/2 Mile

OIL_GAS

CAOG11000201281

District nun:	1	Api number:	03701499
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Hamarson Oil Co.		
County name:	Los Angeles	Fieldname:	Old Wilmington (ABD)
Area name:	Any Block	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	3
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000201281		

D75

SW

1/4 - 1/2 Mile

OIL_GAS

CAOG11000189258

District nun:	1	Api number:	03703708
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Tidelands Oil Prod. Co.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block V	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	10.797
Locationde:	Not Reported		
Gissourcec:	gps		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	84910018.ssf	Wellnumber:	M725E
Leasename:	Not Reported	Hydraulica:	N
Epawell:	N	Spuddate:	30-DEC-99
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000189258		

D76

SW

1/4 - 1/2 Mile

OIL_GAS

CAOG11000193570

District nun:	1	Api number:	03721840
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Tidelands Oil Prod. Co.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block V	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	16.947
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910018.ssf		
Leasename:	Not Reported	Wellnumber:	M727E
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000193570		

E77

WSW

1/4 - 1/2 Mile

OIL_GAS

CAOG11000189254

District nun:	1	Api number:	03703702
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Tidelands Oil Prod. Co.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block V	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	13.093
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910018.ssf		
Leasename:	Not Reported	Wellnumber:	M710E
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000189254		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

F78

SW

1/4 - 1/2 Mile

OIL_GAS

CAOG11000189255

District nun:	1	Api number:	03703703
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Tidelands Oil Prod. Co.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block V	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	15.64
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910018.ssf		
Leasename:	Not Reported	Wellnumber:	M711E
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000189255		

D79

SW

1/4 - 1/2 Mile

OIL_GAS

CAOG11000201282

District nun:	1	Api number:	03701500
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Harmor Petro. Co.		
County name:	Los Angeles	Fieldname:	Old Wilmington (ABD)
Area name:	Any Block	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Harbor	Wellnumber:	2
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000201282		

D80

SW

1/4 - 1/2 Mile

OIL_GAS

CAOG11000202940

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03703707
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Tidelands Oil Prod. Co.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block V	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	M718E
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000202940		

F81 SW 1/2 - 1 Mile

OIL_GAS CAOG11000202868

District nun:	1	Api number:	03703662
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Recknagel & Mangold Oil Co.		
County name:	Los Angeles	Fieldname:	Old Wilmington (ABD)
Area name:	Any Block	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	W.A.	Wellnumber:	17
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000202868		

G82 SSW 1/2 - 1 Mile

OIL_GAS CAOG11000189247

District nun:	1	Api number:	03703696
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block V	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	18.447
Locationde:	Not Reported		
Gissourcec:	gps		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	84910058.ssf	Wellnumber:	SC-24
Leasename:	Not Reported	Hydraulica:	N
Epawell:	N	Spuddate:	30-DEC-99
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	AWF
Site id:	CAOG11000189247		

G83

SSW

1/2 - 1 Mile

OIL_GAS

CAOG11000189248

District nun:	1	Api number:	03703696
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block V	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	18.447
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910058.ssf		
Leasename:	Not Reported	Wellnumber:	SC-24
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	AWF
Site id:	CAOG11000189248		

H85

SW

1/2 - 1 Mile

OIL_GAS

CAOG11000189257

District nun:	1	Api number:	03703705
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Tidelands Oil Prod. Co.		
County name:	Los Angeles	Fieldname:	Old Wilmington (ABD)
Area name:	Fault Block V Onshore	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	9.347
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910018.ssf		
Leasename:	Not Reported	Wellnumber:	548-W
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	PWF
Site id:	CAOG11000189257		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

H84
SW
1/2 - 1 Mile

OIL_GAS CAOG11000189256

District nun:	1	Api number:	03703705
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Tidelands Oil Prod. Co.		
County name:	Los Angeles	Fieldname:	Old Wilmington (ABD)
Area name:	Fault Block V Onshore	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	9.347
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910018.ssf		
Leasename:	Not Reported	Wellnumber:	548-W
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	PWF
Site id:	CAOG11000189256		

86
SSW
1/2 - 1 Mile

OIL_GAS CAOG11000201280

District nun:	1	Api number:	03701498
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Hamarson Oil Co.		
County name:	Los Angeles	Fieldname:	Old Wilmington (ABD)
Area name:	Any Block	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	2
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000201280		

H87
SW
1/2 - 1 Mile

OIL_GAS CAOG11000202371

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03703226
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Mobil Oil Corporation		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block V	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	544-W
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	PWF
Site id:	CAOG11000202371		

G88
SSW
1/2 - 1 Mile

OIL_GAS CAOG11000189249

District nun:	1	Api number:	03703697
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block V	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	17.237
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910058.ssf		
Leasename:	Not Reported	Wellnumber:	SC-25
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000189249		

E89
WSW
1/2 - 1 Mile

OIL_GAS CAOG11000189253

District nun:	1	Api number:	03703701
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Tidelands Oil Prod. Co.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block V	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	13.448
Locationde:	Not Reported		
Gissourcec:	gps		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	84910018.ssf	Wellnumber:	M709E
Leasename:	Not Reported	Hydraulica:	N
Epawell:	N	Spuddate:	30-DEC-99
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000189253		

F90

SW

1/2 - 1 Mile

OIL_GAS

CAOG11000201239

District nun:	1	Api number:	03701457
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	F. E. Fairfield		
County name:	Los Angeles	Fieldname:	Old Wilmington (ABD)
Area name:	Any Block	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Golden Circle	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000201239		

G91

SSW

1/2 - 1 Mile

OIL_GAS

CAOG11000189251

District nun:	1	Api number:	03703699
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block V	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	15.371
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910058.ssf		
Leasename:	Not Reported	Wellnumber:	SC-27
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000189251		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

G92
SSW
1/2 - 1 Mile

OIL_GAS CAOG11000189252

District nun:	1	Api number:	03703700
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block V	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	12.532
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910058.ssf		
Leasename:	Not Reported	Wellnumber:	SC-29
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000189252		

G93
SSW
1/2 - 1 Mile

OIL_GAS CAOG11000203145

District nun:	1	Api number:	03703929
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block VI	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	S-228
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	PWF
Site id:	CAOG11000203145		

F94
SW
1/2 - 1 Mile

OIL_GAS CAOG11000202938

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03703704
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Mobil Oil Corporation		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block V	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	M712E
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000202938		

G95
SSW
1/2 - 1 Mile

OIL_GAS CAOG11000189334

District nun:	1	Api number:	03703855
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	I
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block VI	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	14.073
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910058.ssf		
Leasename:	Not Reported	Wellnumber:	S-305
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000189334		

H96
SW
1/2 - 1 Mile

OIL_GAS CAOG11000202939

District nun:	1	Api number:	03703706
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Mobil Oil Corporation		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block V	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	Not Reported	Wellnumber:	545-W
Leasename:	Not Reported	Hydraulica:	N
Epawell:	N	Spuddate:	30-DEC-99
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	PWF
Site id:	CAOG11000202939		

H97

SW

1/2 - 1 Mile

OIL_GAS

CAOG11000189598

District nun:	1	Api number:	03704611
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Tidelands Oil Prod. Co.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block V	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	10.355
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910018.ssf		
Leasename:	Not Reported	Wellnumber:	543-W
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	PWF
Site id:	CAOG11000189598		

G98

SSW

1/2 - 1 Mile

OIL_GAS

CAOG11000189330

District nun:	1	Api number:	03703852
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block VI	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	15.191
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84907099.ssf		
Leasename:	Not Reported	Wellnumber:	S-302
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000189330		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

G99
SSW
1/2 - 1 Mile

OIL_GAS CAOG11000189329

District nun:	1	Api number:	03703851
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block VI	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	10.895
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910058.ssf		
Leasename:	Not Reported	Wellnumber:	S-301
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	4967		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000189329		

G100
SSW
1/2 - 1 Mile

OIL_GAS CAOG11000189342

District nun:	1	Api number:	03703862
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block VI	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	14.401
Locationde:	Not Reported		
Gissourcec:	sum		
Comments:	84910058.ssf		
Leasename:	Not Reported	Wellnumber:	S-005
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	PWF
Site id:	CAOG11000189342		

I101
SW
1/2 - 1 Mile

OIL_GAS CAOG11000193526

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03721735
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Tidelands Oil Prod. Co.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block V	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	9.68
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910018.ssf		
Leasename:	Not Reported	Wellnumber:	M726E
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000193526		

**J102
SW
1/2 - 1 Mile**

OIL_GAS CAOG11000189210

District nun:	1	Api number:	03703538
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Tidelands Oil Prod. Co.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block V	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	15.061
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910308.ssf		
Leasename:	Not Reported	Wellnumber:	M521E
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000189210		

**103
SSW
1/2 - 1 Mile**

OIL_GAS CAOG11000202937

District nun:	1	Api number:	03703694
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block V	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	Not Reported	Wellnumber:	SC-22
Leasename:	Not Reported	Hydraulica:	N
Epawell:	N	Spuddate:	30-DEC-99
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000202937		

J104 SSW 1/2 - 1 Mile

OIL_GAS CAOG11000201184

District nun:	1	Api number:	03701419
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	California Pacific Oil Co.		
County name:	Los Angeles	Fieldname:	Old Wilmington (ABD)
Area name:	Any Block	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Star	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000201184		

J105 SSW 1/2 - 1 Mile

OIL_GAS CAOG11000189211

District nun:	1	Api number:	03703539
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Tidelands Oil Prod. Co.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block V	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	18.196
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910308.ssf		
Leasename:	Not Reported	Wellnumber:	M522E
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000189211		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

K106
WSW
1/2 - 1 Mile

OIL_GAS CAOG11000203019

District nun:	1	Api number:	03703798
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Petroleum Midway Co.		
County name:	Los Angeles	Fieldname:	Old Wilmington (ABD)
Area name:	Any Block	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Kupfer	Wellnumber:	15
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000203019		

J107
SSW
1/2 - 1 Mile

OIL_GAS CAOG11000202730

District nun:	1	Api number:	03703540
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Tidelands Oil Prod. Co.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block V	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	M523E
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000202730		

I108
SW
1/2 - 1 Mile

OIL_GAS CAOG11000202812

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03703623
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Tidelands Oil Prod. Co.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block V	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	546-W
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	PWF
Site id:	CAOG11000202812		

L109 SSW 1/2 - 1 Mile

OIL_GAS CAOG11000203198

District nun:	1	Api number:	03704008
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Terminal Oil Co.		
County name:	Los Angeles	Fieldname:	Old Wilmington (ABD)
Area name:	Any Block	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Channel 3 Comm.	Wellnumber:	5
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000203198		

K110 WSW 1/2 - 1 Mile

OIL_GAS CAOG11000202811

District nun:	1	Api number:	03703622
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Mobil Oil Corporation		
County name:	Los Angeles	Fieldname:	Old Wilmington (ABD)
Area name:	Any Block	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	Not Reported	Wellnumber:	M705E
Leasename:	Not Reported	Hydraulica:	N
Epawell:	N	Spuddate:	30-DEC-99
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandoneddd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000202811		

M111

SSW

1/2 - 1 Mile

OIL_GAS

CAOG11000193147

District nun:	1	Api number:	03720557
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block V	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	17.378
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910058.ssf		
Leasename:	Not Reported	Wellnumber:	S-231
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandoneddd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000193147		

K112

WSW

1/2 - 1 Mile

OIL_GAS

CAOG11000189234

District nun:	1	Api number:	03703621
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Tidelands Oil Prod. Co.		
County name:	Los Angeles	Fieldname:	Old Wilmington (ABD)
Area name:	Fault Block V Onshore	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	11.322
Locationde:	R5		
Gissourcec:	gps		
Comments:	84910018.ssf		
Leasename:	Not Reported	Wellnumber:	547-W
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandoneddd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000189234		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

K113
WSW
1/2 - 1 Mile

OIL_GAS CAOG11000189235

District nun:	1	Api number:	03703621
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Tidelands Oil Prod. Co.		
County name:	Los Angeles	Fieldname:	Old Wilmington (ABD)
Area name:	Fault Block V Onshore	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	11.322
Locationde:	R5		
Gissourcec:	gps		
Comments:	84910018.ssf		
Leasename:	Not Reported	Wellnumber:	547-W
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000189235		

J114
SSW
1/2 - 1 Mile

OIL_GAS CAOG11000202706

District nun:	1	Api number:	03703512
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Tidelands Oil Prod. Co.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block V	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	M486E
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000202706		

M115
SSW
1/2 - 1 Mile

OIL_GAS CAOG11000193131

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03720496
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block V	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	13.289
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910058.ssf		
Leasename:	Not Reported	Wellnumber:	S-233
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000193131		

116 SW 1/2 - 1 Mile

OIL_GAS CAOG11000202729

District nun:	1	Api number:	03703537
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Tidelands Oil Prod. Co.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block V	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	M520E
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000202729		

M117 SSW 1/2 - 1 Mile

OIL_GAS CAOG11000189341

District nun:	1	Api number:	03703861
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block VI	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	29.184
Locationde:	Not Reported		
Gissourcec:	gps		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	84910058.ssf	Wellnumber:	S-004
Leasename:	N-3-C	Hydraulica:	N
Epawell:	N	Spuddate:	30-DEC-99
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Directionally drilled	Gissymbol:	AWF
Site id:	CAOG11000189341		

J118

SSW

1/2 - 1 Mile

OIL_GAS

CAOG11000203237

District nun:	1	Api number:	03704053
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Mobil Oil Corporation		
County name:	Los Angeles	Fieldname:	Old Wilmington (ABD)
Area name:	Any Block	Section:	35
Township:	05S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Mutual	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000203237		

J119

SSW

1/2 - 1 Mile

OIL_GAS

CAOG11000202708

District nun:	1	Api number:	03703514
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Tidelands Oil Prod. Co.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block V	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	M490E
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000202708		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

M120
SSW
1/2 - 1 Mile

OIL_GAS CAOG11000189413

District nun:	1	Api number:	03703931
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block VI	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	17.915
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910058.ssf		
Leasename:	Not Reported	Wellnumber:	S-230
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000189413		

M121
SSW
1/2 - 1 Mile

OIL_GAS CAOG11000189412

District nun:	1	Api number:	03703930
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block VI	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	12.914
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910058.ssf		
Leasename:	Not Reported	Wellnumber:	S-229
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	PWF
Site id:	CAOG11000189412		

M122
SSW
1/2 - 1 Mile

OIL_GAS CAOG11000189411

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03703928
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block VI	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	18.499
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910058.ssf		
Leasename:	Not Reported	Wellnumber:	S-227
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	PWF
Site id:	CAOG11000189411		

M123 SSW 1/2 - 1 Mile

OIL_GAS CAOG11000189410

District nun:	1	Api number:	03703927
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block VI	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	15.541
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910058.ssf		
Leasename:	Not Reported	Wellnumber:	S-226
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	PWF
Site id:	CAOG11000189410		

M124 SSW 1/2 - 1 Mile

OIL_GAS CAOG11000189409

District nun:	1	Api number:	03703926
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block VI	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	5.181
Locationde:	Not Reported		
Gissourcec:	gps		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	84910058.ssf	Wellnumber:	S-225
Leasename:	Not Reported	Hydraulica:	N
Epawell:	N	Spuddate:	30-DEC-99
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000189409		

M125

SSW

1/2 - 1 Mile

OIL_GAS

CAOG11000202268

District nun:	1	Api number:	03702274
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block V	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	SC-20
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	PWF
Site id:	CAOG11000202268		

M126

SSW

1/2 - 1 Mile

OIL_GAS

CAOG11000189408

District nun:	1	Api number:	03703925
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block VI	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	6.142
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910058.ssf		
Leasename:	Not Reported	Wellnumber:	S-224
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000189408		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

M127

SSW

1/2 - 1 Mile

OIL_GAS

CAOG11000189407

District nun:	1	Api number:	03703924
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block VI	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	18.017
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910058.ssf		
Leasename:	Not Reported	Wellnumber:	S-223
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000189407		

M128

SSW

1/2 - 1 Mile

OIL_GAS

CAOG11000189406

District nun:	1	Api number:	03703923
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block VI	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	18.289
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910058.ssf		
Leasename:	Not Reported	Wellnumber:	S-222
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000189406		

M129

SSW

1/2 - 1 Mile

OIL_GAS

CAOG11000189404

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03703922
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block VI	Section:	2
Township:	05S	Range:	13W
Base meridian:	SB	Elevation:	16.27
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910058.ssf		
Leasename:	Not Reported	Wellnumber:	S-221
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	PWF
Site id:	CAOG11000189404		

M130 SSW 1/2 - 1 Mile

OIL_GAS CAOG11000189405

District nun:	1	Api number:	03703922
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block VI	Section:	2
Township:	05S	Range:	13W
Base meridian:	SB	Elevation:	16.27
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910058.ssf		
Leasename:	Not Reported	Wellnumber:	S-221
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	PWF
Site id:	CAOG11000189405		

M131 SSW 1/2 - 1 Mile

OIL_GAS CAOG11000189403

District nun:	1	Api number:	03703921
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	I
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block VI	Section:	2
Township:	05S	Range:	13W
Base meridian:	SB	Elevation:	10.754
Locationde:	Not Reported		
Gissourcec:	gps		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	84910058.ssf	Wellnumber:	S-220
Leasename:	Not Reported	Hydraulica:	N
Epawell:	N	Spuddate:	30-DEC-99
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000189403		

M132

SSW

1/2 - 1 Mile

OIL_GAS

CAOG11000189401

District nun:	1	Api number:	03703920
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block VI	Section:	2
Township:	05S	Range:	13W
Base meridian:	SB	Elevation:	9.079
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910058.ssf		
Leasename:	Not Reported	Wellnumber:	S-219
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	AWF
Site id:	CAOG11000189401		

M133

SSW

1/2 - 1 Mile

OIL_GAS

CAOG11000189402

District nun:	1	Api number:	03703920
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block VI	Section:	2
Township:	05S	Range:	13W
Base meridian:	SB	Elevation:	9.079
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910058.ssf		
Leasename:	Not Reported	Wellnumber:	S-219
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	AWF
Site id:	CAOG11000189402		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

134
WSW
1/2 - 1 Mile

OIL_GAS CAOG11000202370

District nun:	1	Api number:	03703225
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Tidelands Oil Prod. Co.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block V	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	542-W
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	PWF
Site id:	CAOG11000202370		

N135
WSW
1/2 - 1 Mile

OIL_GAS CAOG11000202809

District nun:	1	Api number:	03703619
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Tidelands Oil Prod. Co.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block V	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	M702E
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000202809		

M137
SSW
1/2 - 1 Mile

OIL_GAS CAOG11000189400

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03703919
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	I
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block VI	Section:	2
Township:	05S	Range:	13W
Base meridian:	SB	Elevation:	12.079
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910058.ssf		
Leasename:	N-1-C	Wellnumber:	218 I
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Directionally drilled	Gissymbol:	AOG
Site id:	CAOG11000189400		

M136 SSW 1/2 - 1 Mile

OIL_GAS CAOG11000189399

District nun:	1	Api number:	03703919
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	I
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block VI	Section:	2
Township:	05S	Range:	13W
Base meridian:	SB	Elevation:	12.079
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910058.ssf		
Leasename:	N-1-C	Wellnumber:	218 I
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Directionally drilled	Gissymbol:	AOG
Site id:	CAOG11000189399		

M138 SSW 1/2 - 1 Mile

OIL_GAS CAOG11000189398

District nun:	1	Api number:	03703918
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block VI	Section:	2
Township:	05S	Range:	13W
Base meridian:	SB	Elevation:	17.744
Locationde:	Not Reported		
Gissourcec:	gps		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	84910058.ssf	Wellnumber:	S-217
Leasename:	Not Reported	Hydraulica:	N
Epawell:	N	Spuddate:	30-DEC-99
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandoneddd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000189398		

M139

SSW

1/2 - 1 Mile

OIL_GAS

CAOG11000189397

District nun:	1	Api number:	03703917
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block VI	Section:	2
Township:	05S	Range:	13W
Base meridian:	SB	Elevation:	19.376
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910058.ssf		
Leasename:	Not Reported	Wellnumber:	S-216
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandoneddd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000189397		

M140

SSW

1/2 - 1 Mile

OIL_GAS

CAOG11000189396

District nun:	1	Api number:	03703916
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block VI	Section:	2
Township:	05S	Range:	13W
Base meridian:	SB	Elevation:	17.195
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910058.ssf		
Leasename:	Not Reported	Wellnumber:	S-215
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandoneddd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000189396		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

M141
SSW
1/2 - 1 Mile

OIL_GAS CAOG11000189395

District nun:	1	Api number:	03703915
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	I
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block VI	Section:	2
Township:	05S	Range:	13W
Base meridian:	SB	Elevation:	20.163
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910058.ssf		
Leasename:	Not Reported	Wellnumber:	S-214
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000189395		

L142
SSW
1/2 - 1 Mile

OIL_GAS CAOG11000202369

District nun:	1	Api number:	03703224
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Mobil Oil Corporation		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block V	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	534-W
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	PWF
Site id:	CAOG11000202369		

O143
WSW
1/2 - 1 Mile

OIL_GAS CAOG11000202807

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03703617
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Tidelands Oil Prod. Co.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block V	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	551-W
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	PWF
Site id:	CAOG11000202807		

M144
SSW
1/2 - 1 Mile

OIL_GAS CAOG11000189394

District nun:	1	Api number:	03703914
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block VI	Section:	2
Township:	05S	Range:	13W
Base meridian:	SB	Elevation:	18.522
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910058.ssf		
Leasename:	Not Reported	Wellnumber:	S-213
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000189394		

145
NNE
1/2 - 1 Mile

OIL_GAS CAOG11000204827

District nun:	1	Api number:	03705659
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Miller & Haley		
County name:	Los Angeles	Fieldname:	Any Field
Area name:	Any Area	Section:	25
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	Not Reported	Wellnumber:	1
Leasename:	Not Reported	Hydraulica:	N
Epawell:	N	Spuddate:	30-DEC-99
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000204827		

M146

SSW

1/2 - 1 Mile

OIL_GAS

CAOG11000189393

District nun:	1	Api number:	03703913
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block VI	Section:	2
Township:	05S	Range:	13W
Base meridian:	SB	Elevation:	9.815
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910058.ssf		
Leasename:	Not Reported	Wellnumber:	S-212
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000189393		

M147

SSW

1/2 - 1 Mile

OIL_GAS

CAOG11000189392

District nun:	1	Api number:	03703912
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block VI	Section:	2
Township:	05S	Range:	13W
Base meridian:	SB	Elevation:	10.903
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910058.ssf		
Leasename:	Not Reported	Wellnumber:	S-211
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	PWF
Site id:	CAOG11000189392		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

P148
SW
1/2 - 1 Mile

OIL_GAS CAOG11000202728

District nun:	1	Api number:	03703536
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Mobil Oil Corporation		
County name:	Los Angeles	Fieldname:	Old Wilmington (ABD)
Area name:	Any Block	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	M519E
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000202728		

N149
WSW
1/2 - 1 Mile

OIL_GAS CAOG11000202808

District nun:	1	Api number:	03703618
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Mobil Oil Corporation		
County name:	Los Angeles	Fieldname:	Old Wilmington (ABD)
Area name:	Any Block	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	M701E
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000202808		

Q150
SSW
1/2 - 1 Mile

OIL_GAS CAOG11000202705

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03703511
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Tidelands Oil Prod. Co.		
County name:	Los Angeles	Fieldname:	Old Wilmington (ABD)
Area name:	Fault Block V Onshore	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	536-W
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	PWF
Site id:	CAOG11000202705		

Q151
SSW
1/2 - 1 Mile

OIL_GAS CAOG11000202704

District nun:	1	Api number:	03703511
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Tidelands Oil Prod. Co.		
County name:	Los Angeles	Fieldname:	Old Wilmington (ABD)
Area name:	Fault Block V Onshore	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	536-W
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	PWF
Site id:	CAOG11000202704		

R152
SSW
1/2 - 1 Mile

OIL_GAS CAOG11000189033

District nun:	1	Api number:	03702272
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block V	Section:	2
Township:	05S	Range:	13W
Base meridian:	SB	Elevation:	11.974
Locationde:	Not Reported		
Gissourcec:	gps		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	84910058.ssf	Wellnumber:	SC-18
Leasename:	Not Reported	Hydraulica:	N
Epawell:	N	Spuddate:	30-DEC-99
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Directionally drilled	Gissymbol:	AWF
Site id:	CAOG11000189033		

R153

SSW

1/2 - 1 Mile

OIL_GAS

CAOG11000189034

District nun:	1	Api number:	03702272
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block V	Section:	2
Township:	05S	Range:	13W
Base meridian:	SB	Elevation:	11.974
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910058.ssf		
Leasename:	Not Reported	Wellnumber:	SC-18
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Directionally drilled	Gissymbol:	AWF
Site id:	CAOG11000189034		

R154

SSW

1/2 - 1 Mile

OIL_GAS

CAOG11000189035

District nun:	1	Api number:	03702273
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block V	Section:	2
Township:	05S	Range:	13W
Base meridian:	SB	Elevation:	12.666
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910058.ssf		
Leasename:	Not Reported	Wellnumber:	SC-19
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000189035		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

N155
WSW
1/2 - 1 Mile

OIL_GAS CAOG11000202810

District nun:	1	Api number:	03703620
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Tidelands Oil Prod. Co.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block V	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	M703E
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000202810		

R156
SSW
1/2 - 1 Mile

OIL_GAS CAOG11000189036

District nun:	1	Api number:	03702275
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block V	Section:	2
Township:	05S	Range:	13W
Base meridian:	SB	Elevation:	14.854
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910058.ssf		
Leasename:	Not Reported	Wellnumber:	SC-21
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	PWF
Site id:	CAOG11000189036		

R157
SSW
1/2 - 1 Mile

OIL_GAS CAOG11000189037

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03702275
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block V	Section:	2
Township:	05S	Range:	13W
Base meridian:	SB	Elevation:	14.854
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910058.ssf		
Leasename:	Not Reported	Wellnumber:	SC-21
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	PWF
Site id:	CAOG11000189037		

R158 SSW 1/2 - 1 Mile

OIL_GAS CAOG11000189246

District nun:	1	Api number:	03703695
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block V	Section:	2
Township:	05S	Range:	13W
Base meridian:	SB	Elevation:	15.363
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910058.ssf		
Leasename:	Not Reported	Wellnumber:	SC-23
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000189246		

R159 SSW 1/2 - 1 Mile

OIL_GAS CAOG11000189379

District nun:	1	Api number:	03703902
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block V	Section:	2
Township:	05S	Range:	13W
Base meridian:	SB	Elevation:	14.077
Locationde:	Not Reported		
Gissourcec:	gps		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	84910058.ssf	Wellnumber:	S-201
Leasename:	Not Reported	Hydraulica:	N
Epawell:	N	Spuddate:	30-DEC-99
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000189379		

S160

SSW

1/2 - 1 Mile

OIL_GAS

CAOG11000189083

District nun:	1	Api number:	03703220
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Tidelands Oil Prod. Co.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block V	Section:	2
Township:	05S	Range:	13W
Base meridian:	SB	Elevation:	14.01
Locationde:	Ranger V R5		
Gissourcec:	gps		
Comments:	84910018.ssf		
Leasename:	Not Reported	Wellnumber:	524-W
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	AWF
Site id:	CAOG11000189083		

R161

SSW

1/2 - 1 Mile

OIL_GAS

CAOG11000189380

District nun:	1	Api number:	03703903
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block V	Section:	2
Township:	05S	Range:	13W
Base meridian:	SB	Elevation:	13.438
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910058.ssf		
Leasename:	Not Reported	Wellnumber:	S-202
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000189380		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

T162
WSW
1/2 - 1 Mile

OIL_GAS CAOG11000202725

District nun:	1	Api number:	03703533
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Tidelands Oil Prod. Co.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block V	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	M515E
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000202725		

R163
SSW
1/2 - 1 Mile

OIL_GAS CAOG11000189381

District nun:	1	Api number:	03703904
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block V	Section:	2
Township:	05S	Range:	13W
Base meridian:	SB	Elevation:	16.534
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910058.ssf		
Leasename:	Not Reported	Wellnumber:	S-203
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	AWF
Site id:	CAOG11000189381		

R164
SSW
1/2 - 1 Mile

OIL_GAS CAOG11000189382

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03703904
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block V	Section:	2
Township:	05S	Range:	13W
Base meridian:	SB	Elevation:	16.534
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910058.ssf		
Leasename:	Not Reported	Wellnumber:	S-203
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	AWF
Site id:	CAOG11000189382		

R165 SSW 1/2 - 1 Mile

OIL_GAS CAOG11000189383

District nun:	1	Api number:	03703905
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block V	Section:	2
Township:	05S	Range:	13W
Base meridian:	SB	Elevation:	17.122
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910058.ssf		
Leasename:	Not Reported	Wellnumber:	S-204
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	PWF
Site id:	CAOG11000189383		

R166 SSW 1/2 - 1 Mile

OIL_GAS CAOG11000189384

District nun:	1	Api number:	03703906
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block VI	Section:	2
Township:	05S	Range:	13W
Base meridian:	SB	Elevation:	13.623
Locationde:	Not Reported		
Gissourcec:	gps		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	84910058.ssf	Wellnumber:	S-205
Leasename:	Not Reported	Hydraulica:	N
Epawell:	N	Spuddate:	30-DEC-99
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	PWF
Site id:	CAOG11000189384		

R167

SSW

1/2 - 1 Mile

OIL_GAS

CAOG11000189385

District nun:	1	Api number:	03703907
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block VI	Section:	2
Township:	05S	Range:	13W
Base meridian:	SB	Elevation:	20.317
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910058.ssf		
Leasename:	Not Reported	Wellnumber:	S-206
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	PWF
Site id:	CAOG11000189385		

R169

SSW

1/2 - 1 Mile

OIL_GAS

CAOG11000214123

District nun:	1	Api number:	03720572
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block VI	Section:	2
Township:	05S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	S-232
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	PWF
Site id:	CAOG11000214123		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

R168
SSW
1/2 - 1 Mile

OIL_GAS CAOG11000214122

District nun:	1	Api number:	03720572
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block VI	Section:	2
Township:	05S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	S-232
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	PWF
Site id:	CAOG11000214122		

T171
WSW
1/2 - 1 Mile

OIL_GAS CAOG11000189206

District nun:	1	Api number:	03703520
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Tidelands Oil Prod. Co.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block IV	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	11.188
Locationde:	Ranger IV, R4		
Gissourcec:	gps		
Comments:	84910288.cor		
Leasename:	Not Reported	Wellnumber:	75-W
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	AWF
Site id:	CAOG11000189206		

T170
WSW
1/2 - 1 Mile

OIL_GAS CAOG11000189205

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03703520
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Tidelands Oil Prod. Co.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block IV	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	11.188
Locationde:	Ranger IV, R4		
Gissourcec:	gps		
Comments:	84910288.cor		
Leasename:	Not Reported	Wellnumber:	75-W
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	AWF
Site id:	CAOG11000189205		

O172 WSW 1/2 - 1 Mile

OIL_GAS CAOG11000202953

District nun:	1	Api number:	03703721
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Tidelands Oil Prod. Co.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block IV	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	M831D
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000202953		

R173 SSW 1/2 - 1 Mile

OIL_GAS CAOG11000189386

District nun:	1	Api number:	03703908
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block VI	Section:	2
Township:	05S	Range:	13W
Base meridian:	SB	Elevation:	18.065
Locationde:	Not Reported		
Gissourcec:	gps		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	84910058.ssf	Wellnumber:	S-207
Leasename:	Not Reported	Hydraulica:	N
Epawell:	N	Spuddate:	30-DEC-99
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Not Directionally drilled	Gissymbol:	AOG
Site id:	CAOG11000189386		

R174

SSW

1/2 - 1 Mile

OIL_GAS

CAOG11000189387

District nun:	1	Api number:	03703908
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block VI	Section:	2
Township:	05S	Range:	13W
Base meridian:	SB	Elevation:	18.065
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910058.ssf		
Leasename:	Not Reported	Wellnumber:	S-207
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Not Directionally drilled	Gissymbol:	AOG
Site id:	CAOG11000189387		

S175

SSW

1/2 - 1 Mile

OIL_GAS

CAOG11000202707

District nun:	1	Api number:	03703513
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Tidelands Oil Prod. Co.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block V	Section:	2
Township:	05S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	M489E
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000202707		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

R176
SSW
1/2 - 1 Mile

OIL_GAS CAOG11000189388

District nun:	1	Api number:	03703909
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block VI	Section:	2
Township:	05S	Range:	13W
Base meridian:	SB	Elevation:	22.984
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910058.ssf		
Leasename:	Not Reported	Wellnumber:	S-208
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	PWF
Site id:	CAOG11000189388		

U177
West
1/2 - 1 Mile

OIL_GAS CAOG11000189461

District nun:	1	Api number:	03704003
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	R&R Entertainment Inc		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block IV	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	12.009
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910138.ssf		
Leasename:	Not Reported	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000189461		

S178
SSW
1/2 - 1 Mile

OIL_GAS CAOG11000202703

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03703510
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Tidelands Oil Prod. Co.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block V	Section:	2
Township:	05S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	M483E
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000202703		

S179 SSW 1/2 - 1 Mile

OIL_GAS CAOG11000202863

District nun:	1	Api number:	03703657
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	D. J. Pickrell & E. W. Meyer		
County name:	Los Angeles	Fieldname:	Old Wilmington (ABD)
Area name:	Any Block	Section:	2
Township:	05S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	San Carlos	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000202863		

R181 SSW 1/2 - 1 Mile

OIL_GAS CAOG11000189390

District nun:	1	Api number:	03703910
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block VI	Section:	2
Township:	05S	Range:	13W
Base meridian:	SB	Elevation:	25.272
Locationde:	Not Reported		
Gissourcec:	gps		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	84910058.ssf	Wellnumber:	S-209
Leasename:	Not Reported	Hydraulica:	N
Epawell:	N	Spuddate:	30-DEC-99
Confidenti:	N		
Welldeptha:	1740		
Redrillfoo:	0		
Abandoneddd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Directionally drilled	Gissymbol:	AOG
Site id:	CAOG11000189390		

R180

SSW

1/2 - 1 Mile

OIL_GAS

CAOG11000189389

District nun:	1	Api number:	03703910
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block VI	Section:	2
Township:	05S	Range:	13W
Base meridian:	SB	Elevation:	25.272
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910058.ssf		
Leasename:	Not Reported	Wellnumber:	S-209
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	1740		
Redrillfoo:	0		
Abandoneddd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Directionally drilled	Gissymbol:	AOG
Site id:	CAOG11000189389		

R182

SSW

1/2 - 1 Mile

OIL_GAS

CAOG11000189391

District nun:	1	Api number:	03703911
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block VI	Section:	2
Township:	05S	Range:	13W
Base meridian:	SB	Elevation:	22.542
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84907099.ssf		
Leasename:	Not Reported	Wellnumber:	S-210
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	1783		
Redrillfoo:	0		
Abandoneddd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000189391		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

S183

SSW

1/2 - 1 Mile

OIL_GAS

CAOG11000189202

District nun:	1	Api number:	03703508
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Tidelands Oil Prod. Co.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block V	Section:	2
Township:	05S	Range:	13W
Base meridian:	SB	Elevation:	10.324
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910018.ssf		
Leasename:	Not Reported	Wellnumber:	M480E
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000189202		

V184

WSW

1/2 - 1 Mile

OIL_GAS

CAOG11000202954

District nun:	1	Api number:	03703722
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Mobil Oil Corporation		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block IV	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	M832D
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000202954		

Q185

SSW

1/2 - 1 Mile

OIL_GAS

CAOG11000202701

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03703507
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Mobil Oil Corporation		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block V	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	M479E
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000202701		

P186 SW 1/2 - 1 Mile

OIL_GAS CAOG11000202727

District nun:	1	Api number:	03703535
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Mobil Oil Corporation		
County name:	Los Angeles	Fieldname:	Old Wilmington (ABD)
Area name:	Any Block	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	M518E
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000202727		

T187 WSW 1/2 - 1 Mile

OIL_GAS CAOG11000202724

District nun:	1	Api number:	03703532
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Mobil Oil Corporation		
County name:	Los Angeles	Fieldname:	Old Wilmington (ABD)
Area name:	Any Block	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	Not Reported	Wellnumber:	M514E
Leasename:	Not Reported	Hydraulica:	N
Epawell:	N	Spuddate:	30-DEC-99
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000202724		

W188

SW

1/2 - 1 Mile

OIL_GAS

CAOG11000203908

District nun:	1	Api number:	03704612
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Mobil Oil Corporation		
County name:	Los Angeles	Fieldname:	Old Wilmington (ABD)
Area name:	Any Block	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	M478E
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000203908		

S190

SSW

1/2 - 1 Mile

OIL_GAS

CAOG11000202267

District nun:	1	Api number:	03702271
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Old Wilmington (ABD)
Area name:	Fault Block V Onshore	Section:	2
Township:	05S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	SC-17
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	PWF
Site id:	CAOG11000202267		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

S189
SSW
1/2 - 1 Mile

OIL_GAS CAOG11000202266

District nun:	1	Api number:	03702271
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Old Wilmington (ABD)
Area name:	Fault Block V Onshore	Section:	2
Township:	05S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	SC-17
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	PWF
Site id:	CAOG11000202266		

W191
SW
1/2 - 1 Mile

OIL_GAS CAOG11000189204

District nun:	1	Api number:	03703519
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Tidelands Oil Prod. Co.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block V	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	5.724
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910018.ssf		
Leasename:	Not Reported	Wellnumber:	M495E
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000189204		

X192
WSW
1/2 - 1 Mile

OIL_GAS CAOG11000202952

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03703720
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Tidelands Oil Prod. Co.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block IV	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	M830D
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000202952		

Y193 SW 1/2 - 1 Mile

OIL_GAS CAOG11000202726

District nun:	1	Api number:	03703534
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Mobil Oil Corporation		
County name:	Los Angeles	Fieldname:	Old Wilmington (ABD)
Area name:	Any Block	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	M517E
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000202726		

V194 WSW 1/2 - 1 Mile

OIL_GAS CAOG11000202951

District nun:	1	Api number:	03703719
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Tidelands Oil Prod. Co.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block IV	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	Not Reported	Wellnumber:	M829D
Leasename:	Not Reported	Hydraulica:	N
Epawell:	N	Spuddate:	30-DEC-99
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000202951		

U195

West

1/2 - 1 Mile

OIL_GAS

CAOG11000188880

District nun:	1	Api number:	03701488
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Warren E & P, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block IV	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	13.353
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910138.ssf		
Leasename:	NWU	Wellnumber:	425-9
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000188880		

Y196

SW

1/2 - 1 Mile

OIL_GAS

CAOG11000189214

District nun:	1	Api number:	03703543
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Tidelands Oil Prod. Co.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block V	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	21.726
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910288.cor		
Leasename:	Not Reported	Wellnumber:	M527ER
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000189214		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

Y197

SW

1/2 - 1 Mile

OIL_GAS

CAOG11000189213

District nun:	1	Api number:	03703542
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Tidelands Oil Prod. Co.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block V	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	20.623
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910288.cor		
Leasename:	Not Reported	Wellnumber:	M526E
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000189213		

Y198

SW

1/2 - 1 Mile

OIL_GAS

CAOG11000189212

District nun:	1	Api number:	03703541
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Tidelands Oil Prod. Co.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block V	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	23.534
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910288.cor		
Leasename:	Not Reported	Wellnumber:	M525E
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000189212		

Y199

SW

1/2 - 1 Mile

OIL_GAS

CAOG11000189084

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03703221
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Tidelands Oil Prod. Co.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block V	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	21.682
Locationde:	R5		
Gissourcec:	gps		
Comments:	84910288.cor		
Leasename:	Not Reported	Wellnumber:	531-W
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	AWF
Site id:	CAOG11000189084		

Z200
WSW
1/2 - 1 Mile

OIL_GAS CAOG11000202712

District nun:	1	Api number:	03703521
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	ExxonMobil Corporation		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block IV	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	71-W
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	PWF
Site id:	CAOG11000202712		

X201
West
1/2 - 1 Mile

OIL_GAS CAOG11000202948

District nun:	1	Api number:	03703716
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Tidelands Oil Prod. Co.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block IV	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	Not Reported	Wellnumber:	70-W
Leasename:	Not Reported	Hydraulica:	N
Epawell:	N	Spuddate:	30-DEC-99
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	PWF
Site id:	CAOG11000202948		

AA202

WSW

1/2 - 1 Mile

OIL_GAS

CAOG11000202723

District nun:	1	Api number:	03703531
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Mobil Oil Corporation		
County name:	Los Angeles	Fieldname:	Old Wilmington (ABD)
Area name:	Any Block	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	M513E
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000202723		

AB203

South

1/2 - 1 Mile

OIL_GAS

CAOG11000216803

District nun:	1	Api number:	03726682
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block V	Section:	2
Township:	05S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	R5		
Gissourcec:	unk		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	S-235
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	3547		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000216803		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

Z204
WSW
1/2 - 1 Mile

OIL_GAS CAOG11000189221

District nun:	1	Api number:	03703549
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Tidelands Oil Prod. Co.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block IV	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	18.472
Locationde:	T4		
Gissourcec:	gps		
Comments:	84910288.cor		
Leasename:	Not Reported	Wellnumber:	10-W
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Not Directionally drilled	Gissymbol:	AWF
Site id:	CAOG11000189221		

Z205
WSW
1/2 - 1 Mile

OIL_GAS CAOG11000189222

District nun:	1	Api number:	03703549
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Tidelands Oil Prod. Co.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block IV	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	18.472
Locationde:	T4		
Gissourcec:	gps		
Comments:	84910288.cor		
Leasename:	Not Reported	Wellnumber:	10-W
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Not Directionally drilled	Gissymbol:	AWF
Site id:	CAOG11000189222		

AB206
SSW
1/2 - 1 Mile

OIL_GAS CAOG11000202265

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03702270
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block V	Section:	2
Township:	05S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	SC-16
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	PWF
Site id:	CAOG11000202265		

X207
WSW
1/2 - 1 Mile

OIL_GAS CAOG11000202949

District nun:	1	Api number:	03703717
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Tidelands Oil Prod. Co.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block IV	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	M827D
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000202949		

AA208
WSW
1/2 - 1 Mile

OIL_GAS CAOG11000202722

District nun:	1	Api number:	03703530
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Mobil Oil Corporation		
County name:	Los Angeles	Fieldname:	Old Wilmington (ABD)
Area name:	Any Block	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	Not Reported	Wellnumber:	M512E
Leasename:	Not Reported	Hydraulica:	N
Epawell:	N	Spuddate:	30-DEC-99
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000202722		

Z209

WSW

1/2 - 1 Mile

OIL_GAS

CAOG11000202731

District nun:	1	Api number:	03703546
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Tidelands Oil Prod. Co.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block IV	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	6-W
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	PWF
Site id:	CAOG11000202731		

AA210

WSW

1/2 - 1 Mile

OIL_GAS

CAOG11000202367

District nun:	1	Api number:	03703222
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Mobil Oil Corporation		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block V	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	532-W
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	PWF
Site id:	CAOG11000202367		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AA211
WSW
1/2 - 1 Mile

OIL_GAS CAOG11000203909

District nun:	1	Api number:	03704613
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Mobil Oil Corporation		
County name:	Los Angeles	Fieldname:	Old Wilmington (ABD)
Area name:	Fault Block V Onshore	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	M527E
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000203909		

AC212
SW
1/2 - 1 Mile

OIL_GAS CAOG11000202699

District nun:	1	Api number:	03703505
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Tidelands Oil Prod. Co.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block V	Section:	2
Township:	05S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	M475E
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000202699		

AD213
West
1/2 - 1 Mile

OIL_GAS CAOG11000188883

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03701490
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	I
Operator name:	Warren E & P, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block IV	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	9.487
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910138.ssf		
Leasename:	NWU	Wellnumber:	423-4
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000188883		

AE214 WSW 1/2 - 1 Mile

OIL_GAS CAOG11000189216

District nun:	1	Api number:	03703545
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Tidelands Oil Prod. Co.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block IV	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	15.724
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910288.cor		
Leasename:	Not Reported	Wellnumber:	M601D
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000189216		

AF215 WSW 1/2 - 1 Mile

OIL_GAS CAOG11000202950

District nun:	1	Api number:	03703718
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Tidelands Oil Prod. Co.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block IV	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	Not Reported	Wellnumber:	M828D
Leasename:	Not Reported	Hydraulica:	N
Epawell:	N	Spuddate:	30-DEC-99
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandoneddd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000202950		

AB216 South 1/2 - 1 Mile

OIL_GAS

CAOG11000189457

District nun:	1	Api number:	03703971
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	I
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block VI	Section:	2
Township:	05S	Range:	13W
Base meridian:	SB	Elevation:	14.851
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910058.ssf		
Leasename:	Not Reported	Wellnumber:	S-143
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandoneddd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Directionally drilled	Gissymbol:	AWF
Site id:	CAOG11000189457		

AB218 South 1/2 - 1 Mile

OIL_GAS

CAOG11000189415

District nun:	1	Api number:	03703932
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block VI	Section:	2
Township:	05S	Range:	13W
Base meridian:	SB	Elevation:	17.107
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910058.ssf		
Leasename:	Not Reported	Wellnumber:	S-101
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandoneddd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Directionally drilled	Gissymbol:	AOG
Site id:	CAOG11000189415		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AB217
South
1/2 - 1 Mile

OIL_GAS CAOG11000189414

District nun:	1	Api number:	03703932
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block VI	Section:	2
Township:	05S	Range:	13W
Base meridian:	SB	Elevation:	17.107
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910058.ssf		
Leasename:	Not Reported	Wellnumber:	S-101
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Directionally drilled	Gissymbol:	AOG
Site id:	CAOG11000189414		

AB220
South
1/2 - 1 Mile

OIL_GAS CAOG11000189417

District nun:	1	Api number:	03703933
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block V	Section:	2
Township:	05S	Range:	13W
Base meridian:	SB	Elevation:	13.634
Locationde:	R5		
Gissourcec:	gps		
Comments:	84910058.ssf		
Leasename:	Not Reported	Wellnumber:	S-102
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	3251		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	AWF
Site id:	CAOG11000189417		

AB219
South
1/2 - 1 Mile

OIL_GAS CAOG11000189416

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03703933
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block V	Section:	2
Township:	05S	Range:	13W
Base meridian:	SB	Elevation:	13.634
Locationde:	R5		
Gissourcec:	gps		
Comments:	84910058.ssf		
Leasename:	Not Reported	Wellnumber:	S-102
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	3251		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	AWF
Site id:	CAOG11000189416		

AB221
South
1/2 - 1 Mile

OIL_GAS CAOG11000189418

District nun:	1	Api number:	03703934
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block VI	Section:	2
Township:	05S	Range:	13W
Base meridian:	SB	Elevation:	10.246
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910058.ssf		
Leasename:	Not Reported	Wellnumber:	S-103
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	PWF
Site id:	CAOG11000189418		

AB223
South
1/2 - 1 Mile

OIL_GAS CAOG11000214043

District nun:	1	Api number:	03720297
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block V	Section:	2
Township:	05S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	Not Reported	Wellnumber:	SB-15
Leasename:	Not Reported	Hydraulica:	N
Epawell:	N	Spuddate:	30-DEC-99
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	PWF
Site id:	CAOG11000214043		

AB222

South

1/2 - 1 Mile

OIL_GAS

CAOG11000214042

District nun:	1	Api number:	03720297
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block V	Section:	2
Township:	05S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	SB-15
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	PWF
Site id:	CAOG11000214042		

AG224

West

1/2 - 1 Mile

OIL_GAS

CAOG11000202947

District nun:	1	Api number:	03703715
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Tidelands Oil Prod. Co.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block IV	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	M823D
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000202947		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AC225

SW

1/2 - 1 Mile

OIL_GAS

CAOG11000223343

District nun:	1	Api number:	23701296
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Atlantic Richfield Company		
County name:	Los Angeles Offshore	Fieldname:	Old Wilmington (ABD)
Area name:	Fault Block II Offshore	Section:	2
Township:	05S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	P & G	Wellnumber:	4
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000223343		

AB226

South

1/2 - 1 Mile

OIL_GAS

CAOG11000189419

District nun:	1	Api number:	03703935
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block VI	Section:	2
Township:	05S	Range:	13W
Base meridian:	SB	Elevation:	13.929
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910058.ssf		
Leasename:	Not Reported	Wellnumber:	S-104
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	PWF
Site id:	CAOG11000189419		

AA227

WSW

1/2 - 1 Mile

OIL_GAS

CAOG11000202713

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03703522
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Mobil Oil Corporation		
County name:	Los Angeles	Fieldname:	Old Wilmington (ABD)
Area name:	Fault Block IV Onshore	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	M502D
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000202713		

AH228

SW

1/2 - 1 Mile

OIL_GAS

CAOG11000202721

District nun:	1	Api number:	03703529
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Mobil Oil Corporation		
County name:	Los Angeles	Fieldname:	Old Wilmington (ABD)
Area name:	Any Block	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	M511E
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000202721		

AB229

South

1/2 - 1 Mile

OIL_GAS

CAOG11000193130

District nun:	1	Api number:	03720495
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block V	Section:	2
Township:	05S	Range:	13W
Base meridian:	SB	Elevation:	14.347
Locationde:	Not Reported		
Gissourcec:	gps		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	84910058.ssf	Wellnumber:	SB-16
Leasename:	Not Reported	Hydraulica:	N
Epawell:	N	Spuddate:	30-DEC-99
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000193130		

230

NW

1/2 - 1 Mile

OIL_GAS

CAOG11000202867

District nun:	1	Api number:	03703661
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Pioneer Petrol Corp.		
County name:	Los Angeles	Fieldname:	Old Wilmington (ABD)
Area name:	Any Block	Section:	26
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	PDH
Site id:	CAOG11000202867		

AB231

South

1/2 - 1 Mile

OIL_GAS

CAOG11000189420

District nun:	1	Api number:	03703937
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	I
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block VI	Section:	2
Township:	05S	Range:	13W
Base meridian:	SB	Elevation:	8.385
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910058.ssf		
Leasename:	Not Reported	Wellnumber:	S-106
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000189420		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AB232
South
1/2 - 1 Mile

OIL_GAS CAOG11000189421

District nun:	1	Api number:	03703938
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block VI	Section:	2
Township:	05S	Range:	13W
Base meridian:	SB	Elevation:	5.985
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910058.ssf		
Leasename:	Not Reported	Wellnumber:	S-107
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000189421		

AD234
West
1/2 - 1 Mile

OIL_GAS CAOG11000188882

District nun:	1	Api number:	03701489
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Warren E & P, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block IV	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	12.799
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910138.ssf		
Leasename:	NWU	Wellnumber:	72-3
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000188882		

AD233
West
1/2 - 1 Mile

OIL_GAS CAOG11000188881

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03701489
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Warren E & P, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block IV	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	12.799
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910138.ssf		
Leasename:	NWU	Wellnumber:	72-3
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000188881		

AB235

SSW

1/2 - 1 Mile

OIL_GAS

CAOG11000203146

District nun:	1	Api number:	03703936
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Old Wilmington (ABD)
Area name:	Any Block	Section:	2
Township:	05S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	S-1-C	Wellnumber:	105
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000203146		

AB236

South

1/2 - 1 Mile

OIL_GAS

CAOG11000189422

District nun:	1	Api number:	03703939
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block VI	Section:	2
Township:	05S	Range:	13W
Base meridian:	SB	Elevation:	4.414
Locationde:	Not Reported		
Gissourcec:	gps		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	84910058.ssf	Wellnumber:	S-108
Leasename:	Not Reported	Hydraulica:	N
Epawell:	N	Spuddate:	30-DEC-99
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	PWF
Site id:	CAOG11000189422		

AB237

South

1/2 - 1 Mile

OIL_GAS

CAOG11000189423

District nun:	1	Api number:	03703940
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block VI	Section:	2
Township:	05S	Range:	13W
Base meridian:	SB	Elevation:	9.475
Locationde:	R5		
Gissourcec:	gps		
Comments:	84910058.ssf		
Leasename:	Not Reported	Wellnumber:	S-109
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000189423		

AB238

South

1/2 - 1 Mile

OIL_GAS

CAOG11000189424

District nun:	1	Api number:	03703940
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block VI	Section:	2
Township:	05S	Range:	13W
Base meridian:	SB	Elevation:	9.475
Locationde:	R5		
Gissourcec:	gps		
Comments:	84910058.ssf		
Leasename:	Not Reported	Wellnumber:	S-109
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000189424		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AF239
West
1/2 - 1 Mile

OIL_GAS CAOG11000202946

District nun:	1	Api number:	03703714
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Tidelands Oil Prod. Co.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block IV	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	M822D
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000202946		

AB240
South
1/2 - 1 Mile

OIL_GAS CAOG11000189425

District nun:	1	Api number:	03703941
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block VI	Section:	2
Township:	05S	Range:	13W
Base meridian:	SB	Elevation:	9.86
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910058.ssf		
Leasename:	Not Reported	Wellnumber:	S-110
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	4551		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000189425		

AC241
SW
1/2 - 1 Mile

OIL_GAS CAOG11000202695

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03703501
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Mobil Oil Corporation		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block IV	Section:	2
Township:	05S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	M469D
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000202695		

AB242 South 1/2 - 1 Mile

OIL_GAS CAOG11000189426

District nun:	1	Api number:	03703942
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block V	Section:	2
Township:	05S	Range:	13W
Base meridian:	SB	Elevation:	12.105
Locationde:	R5		
Gissourcec:	gps		
Comments:	84910058.ssf		
Leasename:	Not Reported	Wellnumber:	S-111
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	3117		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000189426		

AB243 South 1/2 - 1 Mile

OIL_GAS CAOG11000189427

District nun:	1	Api number:	03703942
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block V	Section:	2
Township:	05S	Range:	13W
Base meridian:	SB	Elevation:	12.105
Locationde:	R5		
Gissourcec:	gps		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	84910058.ssf	Wellnumber:	S-111
Leasename:	Not Reported	Hydraulica:	N
Epawell:	N	Spuddate:	30-DEC-99
Confidenti:	N		
Welldeptha:	3117		
Redrillfoo:	0		
Abandoneddd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000189427		

AF244

WSW

1/2 - 1 Mile

OIL_GAS

CAOG11000202945

District nun:	1	Api number:	03703713
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Mobil Oil Corporation		
County name:	Los Angeles	Fieldname:	Old Wilmington (ABD)
Area name:	Fault Block IV Onshore	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	M821D
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandoneddd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000202945		

AD245

West

1/2 - 1 Mile

OIL_GAS

CAOG11000203906

District nun:	1	Api number:	03704608
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Petroleum Midway Co.		
County name:	Los Angeles	Fieldname:	Old Wilmington (ABD)
Area name:	Any Block	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Kupfer Community	Wellnumber:	8
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandoneddd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000203906		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AG246

West

1/2 - 1 Mile

OIL_GAS

CAOG11000201272

District nun:	1	Api number:	03701487
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Warren E & P, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block IV	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	NWU	Wellnumber:	424-7
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000201272		

AB247

South

1/2 - 1 Mile

OIL_GAS

CAOG11000189428

District nun:	1	Api number:	03703943
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block VI	Section:	2
Township:	05S	Range:	13W
Base meridian:	SB	Elevation:	11.581
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910058.ssf		
Leasename:	Not Reported	Wellnumber:	S-112
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	PWF
Site id:	CAOG11000189428		

AI249

WSW

1/2 - 1 Mile

OIL_GAS

CAOG11000189063

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03703193
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Tidelands Oil Prod. Co.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block IV	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	8.43
Locationde:	R4		
Gissourcec:	gps		
Comments:	84910288.cor		
Leasename:	Not Reported	Wellnumber:	53-W
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	AWF
Site id:	CAOG11000189063		

AI248 WSW 1/2 - 1 Mile

OIL_GAS CAOG11000189062

District nun:	1	Api number:	03703193
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Tidelands Oil Prod. Co.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block IV	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	8.43
Locationde:	R4		
Gissourcec:	gps		
Comments:	84910288.cor		
Leasename:	Not Reported	Wellnumber:	53-W
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	AWF
Site id:	CAOG11000189062		

AB250 South 1/2 - 1 Mile

OIL_GAS CAOG11000189429

District nun:	1	Api number:	03703944
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block VI	Section:	2
Township:	05S	Range:	13W
Base meridian:	SB	Elevation:	7.313
Locationde:	Not Reported		
Gissourcec:	gps		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	84910058.ssf	Wellnumber:	S-113
Leasename:	Not Reported	Hydraulica:	N
Epawell:	N	Spuddate:	30-DEC-99
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000189429		

AB251 South 1/2 - 1 Mile

OIL_GAS

CAOG11000189430

District nun:	1	Api number:	03703945
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	I
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block VI	Section:	2
Township:	05S	Range:	13W
Base meridian:	SB	Elevation:	8.039
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910058.ssf		
Leasename:	Not Reported	Wellnumber:	S-114
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000189430		

AB252 South 1/2 - 1 Mile

OIL_GAS

CAOG11000188772

District nun:	1	Api number:	03700594
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	I
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block VI	Section:	2
Township:	05S	Range:	13W
Base meridian:	SB	Elevation:	6.564
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910058.ssf		
Leasename:	Not Reported	Wellnumber:	S-115
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000188772		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AE253
WSW
1/2 - 1 Mile

OIL_GAS CAOG11000189220

District nun:	1	Api number:	03703548
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Tidelands Oil Prod. Co.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block IV	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	16.994
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910288.cor		
Leasename:	Not Reported	Wellnumber:	M606D
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000189220		

AJ254
South
1/2 - 1 Mile

OIL_GAS CAOG11000189431

District nun:	1	Api number:	03703946
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Old Wilmington (ABD)
Area name:	Fault Block VI Onshore	Section:	2
Township:	05S	Range:	13W
Base meridian:	SB	Elevation:	7.283
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910058.ssf		
Leasename:	Not Reported	Wellnumber:	S-116
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Directionally drilled	Gissymbol:	PWF
Site id:	CAOG11000189431		

AJ255
South
1/2 - 1 Mile

OIL_GAS CAOG11000189432

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03703946
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Old Wilmington (ABD)
Area name:	Fault Block VI Onshore	Section:	2
Township:	05S	Range:	13W
Base meridian:	SB	Elevation:	7.283
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910058.ssf		
Leasename:	Not Reported	Wellnumber:	S-116
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Directionally drilled	Gissymbol:	PWF
Site id:	CAOG11000189432		

AC256

SW

1/2 - 1 Mile

OIL_GAS

CAOG11000202696

District nun:	1	Api number:	03703502
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Mobil Oil Corporation		
County name:	Los Angeles	Fieldname:	Old Wilmington (ABD)
Area name:	Any Block	Section:	2
Township:	05S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	M470D
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000202696		

AK257

SSW

1/2 - 1 Mile

OIL_GAS

CAOG11000202870

District nun:	1	Api number:	03703664
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	John A. Rothschild & Dorothy Rothschild		
County name:	Los Angeles	Fieldname:	Old Wilmington (ABD)
Area name:	Any Block	Section:	2
Township:	05S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	Not Reported	Wellnumber:	1
Leasename:	Not Reported	Hydraulica:	N
Epawell:	N	Spuddate:	30-DEC-99
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000202870		

AJ260 South 1/2 - 1 Mile

OIL_GAS

CAOG11000189435

District nun:	1	Api number:	03703947
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block VI	Section:	2
Township:	05S	Range:	13W
Base meridian:	SB	Elevation:	12.514
Locationde:	R5		
Gissourcec:	gps		
Comments:	84910058.ssf		
Leasename:	Not Reported	Wellnumber:	S-117
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	5390		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000189435		

AJ258 South 1/2 - 1 Mile

OIL_GAS

CAOG11000189433

District nun:	1	Api number:	03703947
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block VI	Section:	2
Township:	05S	Range:	13W
Base meridian:	SB	Elevation:	12.514
Locationde:	R5		
Gissourcec:	gps		
Comments:	84910058.ssf		
Leasename:	Not Reported	Wellnumber:	S-117
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	5390		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000189433		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AJ259
South
1/2 - 1 Mile

OIL_GAS CAOG11000189434

District nun:	1	Api number:	03703947
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block VI	Section:	2
Township:	05S	Range:	13W
Base meridian:	SB	Elevation:	12.514
Locationde:	R5		
Gissourcec:	gps		
Comments:	84910058.ssf		
Leasename:	Not Reported	Wellnumber:	S-117
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	5390		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000189434		

AH261
SW
1/2 - 1 Mile

OIL_GAS CAOG11000202720

District nun:	1	Api number:	03703528
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Mobil Oil Corporation		
County name:	Los Angeles	Fieldname:	Old Wilmington (ABD)
Area name:	Any Block	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	M510E
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000202720		

AJ262
South
1/2 - 1 Mile

OIL_GAS CAOG11000193166

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03720734
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block V	Section:	2
Township:	05S	Range:	13W
Base meridian:	SB	Elevation:	19.785
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910058.ssf		
Leasename:	Not Reported	Wellnumber:	S-144
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000193166		

AI263

WSW

1/2 - 1 Mile

OIL_GAS

CAOG11000202714

District nun:	1	Api number:	03703523
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Mobil Oil Corporation		
County name:	Los Angeles	Fieldname:	Old Wilmington (ABD)
Area name:	Fault Block IV Onshore	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	M504D
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000202714		

264

SW

1/2 - 1 Mile

OIL_GAS

CAOG11000202631

District nun:	1	Api number:	03703450
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Mobil Oil Corporation		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block V	Section:	2
Township:	05S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	Not Reported	Wellnumber:	M467E
Leasename:	Not Reported	Hydraulica:	N
Epawell:	N	Spuddate:	30-DEC-99
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandoneddd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000202631		

AL265

SSW

1/2 - 1 Mile

OIL_GAS

CAOG11000202698

District nun:	1	Api number:	03703504
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Tidelands Oil Prod. Co.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block V	Section:	2
Township:	05S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	M474E
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandoneddd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000202698		

AL266

SSW

1/2 - 1 Mile

OIL_GAS

CAOG11000202697

District nun:	1	Api number:	03703503
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Mobil Oil Corporation		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block V	Section:	2
Township:	05S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	M473E
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandoneddd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000202697		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AL267
SSW
1/2 - 1 Mile

OIL_GAS CAOG11000188771

District nun:	1	Api number:	03700593
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Tidelands Oil Prod. Co.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block V	Section:	2
Township:	05S	Range:	13W
Base meridian:	SB	Elevation:	2.114
Locationde:	Ranger V R5		
Gissourcec:	gps		
Comments:	84910018.ssf		
Leasename:	Not Reported	Wellnumber:	523-W
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	AWF
Site id:	CAOG11000188771		

AJ269
South
1/2 - 1 Mile

OIL_GAS CAOG11000189032

District nun:	1	Api number:	03702269
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block V	Section:	2
Township:	05S	Range:	13W
Base meridian:	SB	Elevation:	14.173
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910058.ssf		
Leasename:	Not Reported	Wellnumber:	SB-14
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000189032		

AJ268
South
1/2 - 1 Mile

OIL_GAS CAOG11000189031

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03702269
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block V	Section:	2
Township:	05S	Range:	13W
Base meridian:	SB	Elevation:	14.173
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910058.ssf		
Leasename:	Not Reported	Wellnumber:	SB-14
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000189031		

AF270
WSW
1/2 - 1 Mile

OIL_GAS CAOG11000202944

District nun:	1	Api number:	03703712
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Mobil Oil Corporation		
County name:	Los Angeles	Fieldname:	Old Wilmington (ABD)
Area name:	Any Block	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	M820D
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000202944		

AJ271
South
1/2 - 1 Mile

OIL_GAS CAOG11000189456

District nun:	1	Api number:	03703969
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	I
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block V	Section:	2
Township:	05S	Range:	13W
Base meridian:	SB	Elevation:	13.588
Locationde:	R5		
Gissourcec:	gps		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	84910058.ssf	Wellnumber:	S-139
Leasename:	Not Reported	Hydraulica:	N
Epawell:	N	Spuddate:	30-DEC-99
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandoneddd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000189456		

AJ272

SSW

1/2 - 1 Mile

OIL_GAS

CAOG11000203154

District nun:	1	Api number:	03703970
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block V	Section:	2
Township:	05S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	S-140
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandoneddd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	PWF
Site id:	CAOG11000203154		

AJ273

South

1/2 - 1 Mile

OIL_GAS

CAOG11000189455

District nun:	1	Api number:	03703968
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block V	Section:	2
Township:	05S	Range:	13W
Base meridian:	SB	Elevation:	15.032
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910058.ssf		
Leasename:	Not Reported	Wellnumber:	S-138
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandoneddd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000189455		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AM274

WSW

1/2 - 1 Mile

OIL_GAS

CAOG11000202732

District nun:	1	Api number:	03703550
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Tidelands Oil Prod. Co.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block IV	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	M608D
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000202732		

AJ275

South

1/2 - 1 Mile

OIL_GAS

CAOG11000189454

District nun:	1	Api number:	03703967
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block V	Section:	2
Township:	05S	Range:	13W
Base meridian:	SB	Elevation:	12.081
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910058.ssf		
Leasename:	Not Reported	Wellnumber:	S-137
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000189454		

AK276

SSW

1/2 - 1 Mile

OIL_GAS

CAOG11000202258

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03702252
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Sound Petro. Inc.		
County name:	Los Angeles	Fieldname:	Old Wilmington (ABD)
Area name:	Any Block	Section:	2
Township:	05S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Harbor	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000202258		

AJ277
South
1/2 - 1 Mile

OIL_GAS CAOG11000189453

District nun:	1	Api number:	03703966
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block VI	Section:	2
Township:	05S	Range:	13W
Base meridian:	SB	Elevation:	29' DF
Locationde:	Fr int N In Seaside & W In LAFCC 1748'N & 49'E		
Gissourcec:	gps		
Comments:	84910058.ssf		
Leasename:	Not Reported	Wellnumber:	S-136
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Directionally drilled	Gissymbol:	AOG
Site id:	CAOG11000189453		

AL278
SW
1/2 - 1 Mile

OIL_GAS CAOG11000202230

District nun:	1	Api number:	03702065
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Kent Organizations, Inc.		
County name:	Los Angeles	Fieldname:	Old Wilmington (ABD)
Area name:	Any Block	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	Not Reported	Wellnumber:	3
Leasename:	Graham	Hydraulica:	N
Epawell:	N	Spuddate:	30-DEC-99
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000202230		

AJ279

South

1/2 - 1 Mile

OIL_GAS

CAOG11000189030

District nun:	1	Api number:	03702268
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block V	Section:	2
Township:	05S	Range:	13W
Base meridian:	SB	Elevation:	13.116
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910058.ssf		
Leasename:	Not Reported	Wellnumber:	SB-13
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000189030		

280

West

1/2 - 1 Mile

OIL_GAS

CAOG11000202941

District nun:	1	Api number:	03703709
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Mobil Oil Corporation		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block IV	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	69-W
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	PWF
Site id:	CAOG11000202941		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AJ281
South
1/2 - 1 Mile

OIL_GAS CAOG11000189452

District nun:	1	Api number:	03703964
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	I
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block VI	Section:	2
Township:	05S	Range:	13W
Base meridian:	SB	Elevation:	13.976
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910058.ssf		
Leasename:	Not Reported	Wellnumber:	S-134
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000189452		

282
WSW
1/2 - 1 Mile

OIL_GAS CAOG11000202943

District nun:	1	Api number:	03703711
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Mobil Oil Corporation		
County name:	Los Angeles	Fieldname:	Old Wilmington (ABD)
Area name:	Any Block	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	M819D
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000202943		

283
West
1/2 - 1 Mile

OIL_GAS CAOG11000189618

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03705051
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Warren E & P, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block IV	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	14.771
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910138.ssf		
Leasename:	NWU	Wellnumber:	74-1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000189618		

AJ285

SSW

1/2 - 1 Mile

OIL_GAS

CAOG11000203153

District nun:	1	Api number:	03703965
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block VI	Section:	2
Township:	05S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	S-135
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000203153		

AJ284

SSW

1/2 - 1 Mile

OIL_GAS

CAOG11000203152

District nun:	1	Api number:	03703965
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block VI	Section:	2
Township:	05S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	Not Reported	Wellnumber:	S-135
Leasename:	Not Reported	Hydraulica:	N
Epawell:	N	Spuddate:	30-DEC-99
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandoneddd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000203152		

AJ286

South

1/2 - 1 Mile

OIL_GAS

CAOG11000189451

District nun:	1	Api number:	03703962
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block VI	Section:	2
Township:	05S	Range:	13W
Base meridian:	SB	Elevation:	12.624
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84907099.ssf		
Leasename:	Not Reported	Wellnumber:	S-132
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandoneddd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Directionally drilled	Gissymbol:	POG
Site id:	CAOG11000189451		

AM287

WSW

1/2 - 1 Mile

OIL_GAS

CAOG11000193970

District nun:	1	Api number:	03722814
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Tidelands Oil Prod. Co.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block IV	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	17.337
Locationde:	LT4		
Gissourcec:	gps		
Comments:	84910288.cor		
Leasename:	Not Reported	Wellnumber:	167-W
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandoneddd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Directionally drilled	Gissymbol:	AWF
Site id:	CAOG11000193970		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AM288

WSW

1/2 - 1 Mile

OIL_GAS

CAOG11000193971

District nun:	1	Api number:	03722814
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Tidelands Oil Prod. Co.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block IV	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	17.337
Locationde:	LT4		
Gissourcec:	gps		
Comments:	84910288.cor		
Leasename:	Not Reported	Wellnumber:	167-W
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Directionally drilled	Gissymbol:	AWF
Site id:	CAOG11000193971		

AJ290

South

1/2 - 1 Mile

OIL_GAS

CAOG11000189450

District nun:	1	Api number:	03703960
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block VI	Section:	2
Township:	05S	Range:	13W
Base meridian:	SB	Elevation:	9.471
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84907099.ssf		
Leasename:	Not Reported	Wellnumber:	S-130
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	5101		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000189450		

AJ289

South

1/2 - 1 Mile

OIL_GAS

CAOG11000189449

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03703960
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block VI	Section:	2
Township:	05S	Range:	13W
Base meridian:	SB	Elevation:	9.471
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84907099.ssf		
Leasename:	Not Reported	Wellnumber:	S-130
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	5101		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000189449		

AM291

WSW

1/2 - 1 Mile

OIL_GAS

CAOG11000194000

District nun:	1	Api number:	03722912
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Tidelands Oil Prod. Co.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block IV	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	14.765
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910288.cor		
Leasename:	Not Reported	Wellnumber:	M660D
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000194000		

292

West

1/2 - 1 Mile

OIL_GAS

CAOG11000202224

District nun:	1	Api number:	03702061
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Inter-Counties Petro. Co.		
County name:	Los Angeles	Fieldname:	Old Wilmington (ABD)
Area name:	Any Block	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	Not Reported	Wellnumber:	1
Leasename:	Edgar	Hydraulica:	N
Epawell:	N	Spuddate:	30-DEC-99
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	PDH
Site id:	CAOG11000202224		

AN295 SW

1/2 - 1 Mile

OIL_GAS

CAOG11000189209

District nun:	1	Api number:	03703525
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Tidelands Oil Prod. Co.		
County name:	Los Angeles	Fieldname:	Old Wilmington (ABD)
Area name:	Fault Block IV Onshore	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	12.702
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910288.cor		
Leasename:	Not Reported	Wellnumber:	M506D
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000189209		

AN293 SW

1/2 - 1 Mile

OIL_GAS

CAOG11000189207

District nun:	1	Api number:	03703525
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Tidelands Oil Prod. Co.		
County name:	Los Angeles	Fieldname:	Old Wilmington (ABD)
Area name:	Fault Block IV Onshore	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	12.702
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910288.cor		
Leasename:	Not Reported	Wellnumber:	M506D
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000189207		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AN294

SW

1/2 - 1 Mile

OIL_GAS

CAOG11000189208

District nun:	1	Api number:	03703525
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Tidelands Oil Prod. Co.		
County name:	Los Angeles	Fieldname:	Old Wilmington (ABD)
Area name:	Fault Block IV Onshore	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	12.702
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910288.cor		
Leasename:	Not Reported	Wellnumber:	M506D
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000189208		

AM296

WSW

1/2 - 1 Mile

OIL_GAS

CAOG11000194121

District nun:	1	Api number:	03723154
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Tidelands Oil Prod. Co.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block IV	Section:	35
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	10.005
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910288.cor		
Leasename:	Not Reported	Wellnumber:	M661D
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000194121		

AJ297

SSW

1/2 - 1 Mile

OIL_GAS

CAOG11000203151

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03703963
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block VI	Section:	2
Township:	05S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	S-133
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000203151		

AJ299 South 1/2 - 1 Mile

OIL_GAS CAOG11000189448

District nun:	1	Api number:	03703959
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block VI	Section:	2
Township:	05S	Range:	13W
Base meridian:	SB	Elevation:	9.989
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	84910058.ssf		
Leasename:	Not Reported	Wellnumber:	S-129
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000189448		

AJ298 South 1/2 - 1 Mile

OIL_GAS CAOG11000189447

District nun:	1	Api number:	03703959
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Oxy Long Beach, Inc.		
County name:	Los Angeles	Fieldname:	Wilmington
Area name:	Fault Block VI	Section:	2
Township:	05S	Range:	13W
Base meridian:	SB	Elevation:	9.989
Locationde:	Not Reported		
Gissourcec:	gps		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	84910058.ssf	Wellnumber:	S-129
Leasename:	Not Reported	Hydraulica:	N
Epawell:	N	Spuddate:	30-DEC-99
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000189447		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
90813	1	0

Federal EPA Radon Zone for LOS ANGELES County: 2

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for LOS ANGELES COUNTY, CA

Number of sites tested: 63

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.711 pCi/L	98%	2%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	0.933 pCi/L	100%	0%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Water Well Database

Source: Department of Water Resources

Telephone: 916-651-9648

California Drinking Water Quality Database

Source: Department of Public Health

Telephone: 916-324-2319

The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

OTHER STATE DATABASE INFORMATION

California Oil and Gas Well Locations

Source: Department of Conservation

Telephone: 916-323-1779

Oil and Gas well locations in the state.

RADON

State Database: CA Radon

Source: Department of Health Services

Telephone: 916-324-2208

Radon Database for California

Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRRA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

STREET AND ADDRESS INFORMATION

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APPENDIX G

RESUMES OF PROJECT PERSONNEL

ASHLEY P. HUTCHENS, REPA

Education

BS – Environmental Science (emphasis in Biology), Minor in Chemistry, University of North Carolina, Wilmington, 2000

Professional Licenses

Registered Environmental Property Assessor (REPA) (No. 940424)

Specialty Certifications

OSHA 40-Hour Health and Safety Training for Hazardous Waste Workers
OSHA 8-Hour Hazardous Waste Supervisor Training
8-Hour Annual Refresher Training for Hazardous Waste Site Activities
First-Aid and CPR Training
Leadership Skills to Enhance Client Service

Professional Affiliations

Professional Environmental Marketing Association (PEMA), Member (2011 to Present)
National Ground Water Association (NGWA), Member (2012)

Professional Experience

Since joining SCS in 2001, Ms. Hutchens has participated in hundreds of site assessment projects related to the investigation and remediation of hazardous chemicals in soils and groundwater. She has a diverse background in environmental sciences, including technical skills related to collection of soil samples, determination of soil classifications and properties, and data collection, analysis and interpretation. As a Project Manager, her work experience includes all project phases, from development of cost estimates for various site assessment and cleanup programs, to groundwater monitoring and sampling, to preparation of final reports, to interfacing with regulatory agencies, and management of all aspects of projects and various subcontractors.

Selected project activities include:

- Involvement with numerous Phase I Environmental Assessments completed in accordance with various lender, ASTM, or government guidelines. Activities have consisted of evaluating current and past on-site operations, generating historical property use information, identifying potentially contaminated sites in the surrounding areas, reviewing previous reports and/or files maintained by regulatory agencies, and developing conclusions regarding the presence of Recognized Environmental Conditions and recommendations for further investigation.
- Involvement with numerous investigations of known or suspected hazardous waste sites to identify and characterize chemicals of concern in soil, soil vapor, and groundwater in accordance with regulatory requirements. Contaminants include a

variety of hydrocarbon products, solvents, heavy metals, polychlorinated biphenyls, and pesticides. Activities have included preparation of workplans, conducting soil gas surveys, installation of soil borings and subsequent sampling, and evaluation of applicable remedial alternatives.

- Groundwater well installation and monitoring. Projects have involved collection of soil and groundwater samples, installation and development of groundwater wells, evaluation of subsurface contaminants in groundwater in accordance with regulatory requirements or generally accepted guidelines, and evaluation of groundwater remediation alternatives.
- Involvement with numerous soil gas surveys to assess the presence, nature, and extent of volatile organic compounds (VOCs) and/or methane related to contaminated soils, groundwater, and/or landfills. Elements of these projects have included assessments of vapor intrusion, protection of structures from subsurface gases, monitoring of indoor air, and health risk assessments.
- Numerous projects related to the removal, investigation, and remediation of contamination from leaking underground storage tanks (USTs). In accordance with requirements of the various regulatory agencies throughout Southern California, these UST projects have included soil, soil gas, and groundwater contamination, and such tasks as evaluation of site and regional hydrogeologic conditions; development of workplans and health and safety plans; coordination and completion of tank removals; design of investigative programs; review and selection of potential remedial alternatives; and preparation of summary reports of findings.
- Oversight of projects involving installation of landfill gas mitigation systems and monitoring wells, including lithologic logging and design quality assurance (QA) at numerous landfills across Southern California.
- Characterization of hazardous waste materials, including collection of soil and/or liquid samples to profile waste materials, interpretation of laboratory results, and evaluation of disposal/recycling options to minimize costs and liabilities to clients associated with the removal of wastes.
- Planning, coordination, and supervision of remedial actions that included excavation, transport, and disposal of contaminated soils. Including preparation of Remedial Action Plans, direction of confirmatory sampling, and interfacing with regulatory agencies.

Project Management

Project Manager for assessment and remediation of numerous former dry cleaning facilities in Los Angeles and Orange Counties. Investigations have been completed at numerous active and former dry cleaning facilities to assess the potential for releases of solvents. Various investigations have included soil vapor assessments, collection of bulk soil samples, groundwater well installation and monitoring, indoor air sampling, and evaluation of indoor air intrusion risks.

Additional evaluations have been completed to define the extent of the plume and obtain information to evaluate remedial alternatives. Implemented remedial measures have included excavation, soil vapor extraction, monitored natural attenuation, and risk management. One project included installation of an interim vapor intrusion control system (IVICS), which was installed to introduce sub-slab depressurization to reduce indoor air intrusion risks from a former drycleaner release. The IVICS was installed on an immediate basis at the request of the client until further investigation could be conducted for design of a full-scale remediation system. Ms. Hutchens has coordinated and permitted investigation and remediation efforts through the various regulatory oversight agencies.

Project Manager for investigation and remediation of industrial facility redeveloped to commercial warehouse/office, Commerce, CA. SCS conducted a series of environmental assessments, investigations, and remedial activities that provided sufficient information to identify the environmental issues, business risks, and facilitate the client's successful purchase of property. A number of recognized environmental conditions, including former and an existing unpermitted underground fuel storage tanks, were identified. Project activities conducted concurrently with the redevelopment of the property included shallow and deep soil and soil vapor investigations; installation of groundwater monitoring wells and subsequent groundwater sampling; permitting and removal of existing UST, subsequent remedial excavation under Los Angeles County Fire Department (LACFD) oversight to obtain closure; shallow excavation of former UST area; installation of soil vapor extraction and monitoring wells conducted concurrently with redevelopment of the property; soil vapor extraction under Regional Water Quality Control Board (RWQCB) oversight; requesting and receiving closure under the State Water Resource Control Board's Low Threat UST Case Closure Policy.

Project Manager for site investigation and remedial activities, Retirement Housing Foundation, Los Angeles, CA. As follow-up to a Phase I Environmental Assessment completed on this property, soil and soil vapor investigations were completed to assess the potential for releases of heavy metals and VOCs based on historical operations at the property. Investigation activities indicated elevated tetrachloroethylene (PCE) and lead in the subsurface exceeding regulatory guidelines. Remediation of the lead-impacted soils was conducted under LACFD oversight. An evaluation of the health risk from PCE in the subsurface was conducted and submitted to the LACFD. Site closure with respect to PCE and lead in the subsurface was approved by LACFD facilitating the client's submittal for funding and the subsequent construction of the retirement housing development.

Project Manager for due diligence investigations at a manufacturing facility in Torrance, CA. SCS conducted a series of assessments, including a Phase I Environmental Site Assessment, various Phase II investigations, and remedial activities that provided sufficient information to identify the environmental issues, business risks and facilitate our client's successful sale of the property. A number of recognized environmental conditions including former and existing underground fuel storage tanks, a machine shop, wastewater treatment sumps and a clarifier, chemical storage, and chlorinated solvent degreasing operations were identified. Project activities included shallow and deep soil and soil vapor investigations, groundwater sampling, a geophysical survey and excavations to find an existing diesel UST previously closed in-place, removal of the UST, remedial excavations under Torrance Fire Department oversight to obtain UST closure, a workplan submitted to the Los Angeles RWQCB, installation of a soil vapor

extraction (SVE) system and monitoring wells, a long-term soil vapor extraction pilot test, an SVE Pilot Test Report, and recommendations for further SVE.

Project Manager for Environmental Investigations and Methane Monitoring, City of El Monte, CA. SCS has conducted several phases of work for the redevelopment of property in El Monte, a portion of which overlies a former burn dump. SCS worked with the Department of Toxic Substances Control to obtain an approved Remedial Action Workplan (which required a public comment period and California Environmental Quality Act review) to allow redevelopment to commence. Ms. Hutchens applied for a permit for excavation of the former burn dump with the South Coast Air Quality Management District on behalf of the owner and developer of the site. With the permit in place, SCS provided oversight of excavation activities as development activities commenced. In addition, methane monitoring was conducted to monitor for the presence of methane as a result of the former dumping activities. Ms. Hutchens is working with the Lead Enforcement Agency (LEA) and CalRecycle to provide them with the methane data and propose a long-term probe monitoring network to monitor the former dump area once the development is complete.

Health and Safety

Ms. Hutchens has participated in a certified health and safety program in compliance with OSHA Standard 29 CFR 1910.120. She is knowledgeable in incident response operations, team functions, personnel safety, and field equipment. She is able to recognize and evaluate potential chemical and physical hazards and associated risks in field operations; discuss and use personnel protective equipment such as respiratory protection and protective clothing; use and interpret direct-reading instruments; and examine and establish Standard Operating Safety Guidelines to ensure safe and effective response operations.

KEVIN W. GREEN, PG

Education

BS – Marine Biology, California State University, Long Beach, 1978

Professional Licenses

Professional Geologist – California, 1994 (No. 5906)

Professional Geologist – Wyoming, 2009 (No. PG-3702)

Professional Affiliations

National Ground Water Association

Groundwater Resources Association of California

Professional Experience

Mr. Green has a background in geology and paleontology. Since joining SCS in 1987, he has participated in numerous projects related to the investigation and remediation of hazardous chemicals in soils and groundwater. Selected project activities include:

- Project Manager for more than a thousand Phase I environmental assessments. These projects—completed in accordance with various lender, ASTM, or government guidelines—consist of evaluating current on-site operations, generation of historical property use information, identifying potentially contaminated sites in the surrounding areas, review of previous reports and/or files maintained by regulatory agencies, and conclusions and recommendations regarding the presence of Recognized Environmental Conditions and further investigation. Project sites have varied from private single-use parcels to hundreds of properties involving multiple tenants associated with state and local government right-of-way improvements.
- Hundreds of investigations of known or suspected hazardous waste sites to identify and characterize chemicals of concern in soil, soil vapor, and groundwater in accordance with regulatory requirements. Contaminants include a variety of hydrocarbon products, solvents, heavy metals, polychlorinated biphenyls (PCBs), and pesticides. Regulatory oversight agencies include the US Environmental Protection Agency (USEPA), Department of Toxic Substances Control (DTSC), and various Regional Water Quality Control Boards (RWQCBs), County Health or Fire Departments, and city Certified Unified Program Agencies (CUPAs).
- Project Manager for numerous soil gas surveys utilized to assess the presence, nature, and extent of volatile organic compounds and/or methane related to contaminated soils, groundwater, and/or landfills. Elements of these projects have included assessments of vapor intrusion, protection of structures from subsurface gases, monitoring of indoor air, and health risk assessments.

- Numerous projects related to the removal, investigation, and remediation of contamination from leaking underground storage tanks. In accordance with requirements of the various regulatory agencies throughout Southern California, these UST projects have included soil, soil gas and groundwater contamination, and have included such tasks as: evaluation of site and regional hydrogeologic conditions; development work plans and health and safety plans; coordinate and conduct tank removals; design of the investigative programs; review and selection of potential remedial alternatives; preparation of summary reports of findings; support of legal counsel in cost recovery actions; and support of client in cost recovery actions with the California UST Cleanup Fund.
- Project Manager for numerous remediation projects involving various hydrocarbon products, pesticides, chlorinated solvents, and/or heavy metals. Remediation projects include excavation and disposal of soils; on- and off-site treatment of soils; recovery and treatment/disposal of free product and groundwater; and the design, installation, and operation of vapor extraction systems for soil and groundwater contaminated with volatile organic compounds.
- Evaluation of environmental conditions at sanitary landfills. Mr. Green was Task Manager for the installation and sampling of groundwater monitoring wells at and adjacent to existing landfills to determine the presence of leachate. This work was done in accordance with state regulations and local ordinances.
- Project Manager for numerous lead-based paint (LBP) surveys and abatement projects for single and multifamily residential developments, commercial and public buildings. These projects consist of determining paint and/or dust sampling methodologies; interpretation of testing results; evaluation and recommendations for appropriate LBP hazards abatement; development of LBP abatement specifications; coordination and selection of licensed LBP abatement subcontractors; collection and analysis of abatement confirmation samples; characterization of waste materials; and preparation of summary reports documenting LBP surveys and the appropriate removal and disposal of LBP-related hazards.
- Expert testimony and research support for litigation related to environmental assessments, and the investigation and remediation of hazardous waste sites.

Project experience is as follows:

Project Manager for assessment and vapor extraction remediation of a former industrial dry cleaning facility. Tasks included initial indoor air assessment for Proposition 65 compliance; coordination of equipment, subcontractors, and personnel for the installation of vapor extraction and monitoring wells, header lines, and vapor extraction system (VES), including acid “scrubber” for treated vapors, treatment pad and enclosure, electrical power, natural gas, water supply and wastewater discharge; city, county and Air Quality Management District (AQMD) permits; operation and maintenance of VES; regulatory reporting; and decommissioning of VES upon regulatory closure.

Project Director for general environmental consulting services for the Community

Redevelopment Agency of the City of Los Angeles, CA. With 144 work order directives for services over an approximately 15-year period, these projects include initial site assessments, asbestos-containing material (ACM) surveys, lead-based paint (LBP) surveys, soil gas surveys, soils investigations, groundwater investigations, remedial and abatement activities for soils, asbestos, and LBP, second-party reviews of reports and work completed by other environmental consultants, underground storage tank (UST) removals, groundwater well abandonment, Brownfields consulting, and an environmental audit of hazardous materials handling practices of the client's operations. These projects were completed on vacant, former oil field, residential, commercial, industrial, and manufacturing properties ranging in size from a single lot to a 29-block mixed-use area. In addition to ACMs and LBP, constituents of concern that have been identified include a variety of petroleum hydrocarbon products, chlorinated solvents, heavy metals, PCBs, pesticides, and subsurface combustible gases such as methane and volatile organic compounds.

Project Director for Brownfields Redevelopment Site, Los Angeles, CA. SCS completed several phases of environmental services to facilitate the mixed-use redevelopment of property for a parking garage, childcare center, and affordable housing. Historical machine shop operations had resulted in a release of tetrachloroethylene (PCE) to soils. Although some cleanup was conducted in the early 1990s, residual PCE contamination remained. In accordance with current standards and with the proposed goal of affordable housing and childcare center, SCS re-investigated the site under the oversight of the Los Angeles RWQCB. Services provided for this project included investigations of soil and soil gas, health risk assessment and selection of remedial and mitigation options, design of vapor barrier to protect the building from chlorinated solvents, coordination and oversight remedial excavation, oversight and certification for installation of a sub-building vapor barrier, post-construction monitoring of indoor, background and sub-slab air to confirm that remediation and mitigation measures have met regulatory goals, and coordination of a No Further Action letter from the regulatory authority.

Project Director for due diligence investigations, manufacturing facility, Torrance, CA. SCS conducted a series of environmental assessments, investigations, and remedial activities that provided sufficient information to identify the environmental issues, business risks and facilitate the client's successful sale of property. A number of recognized environmental conditions including former and existing underground fuel storage tanks, a machine shop, wastewater treatment sumps and clarifier, paint shop, chemical storage, and chlorinated solvent degreasing operations were identified. Project activities included: shallow and deep soil and soil vapor investigations, followed by groundwater sampling; geophysical survey and excavations to find an existing diesel UST previously closed in-place, removal of the UST, and remedial excavations under Torrance Fire Department oversight to obtain closure; long-term soil vapor extraction pilot test including a workplan submitted to the Los Angeles RWQCB, installation of vapor extraction and monitoring wells, Soil Vapor Extraction (SVE) Pilot Test Report, and recommendations for further SVE.

Project Manager for the investigation, abatement, and subsequent demolition of a building containing a shooting range, as a part of an RCRA (Resource, Conservation and Recovery Act) facility closure under oversight by the California DTSC. Lead-containing dust from the shooting range was found to have contaminated building materials and soils. This project

involved the selection of remedial methods and contractors, monitoring of workers to assess exposure to lead-containing dust, monitoring of dust emissions during demolition to confirm compliance, confirmation sampling and analyses, characterization of wastes for disposal, and submittal of a summary report documenting the appropriate remediation and disposal of lead-containing wastes.

Project Director for the investigation and remediation of a former wood treating facility under the oversight of the California DTSC. Chemicals of potential concern include pentachlorophenol, creosote, diesel fuel, methylene chloride, zinc, copper, and arsenic. Project elements included a Remedial Investigation/Feasibility Study (RI/FS) report for vadose zone soil, including a Health Risk Assessment; Remedial Action Plan for impacted soil, which recommended capping as the most feasible remedial alternative; a cone penetrometer (CPT) study aimed at further defining site stratigraphy, evaluating for the presence of nonaqueous phase liquids, and mapping the areal distribution of chemicals of concern; quarterly groundwater monitoring from 16 wells; Storm Water Pollution Prevention Plan (SWPPP) and monitoring; and assistance to client in development and/or sale of the property.

Project Manager for well investigation program compliance under RWQCB oversight at a jet engine repair, maintenance, and testing facility. Information from this investigation was used by the USEPA to identify Potentially Responsible Parties for the San Fernando Valley Superfund site. On-site operations included 14 USTs; numerous clarifiers, sumps, and drain lines; plating, machining, and painting shops; a jet engine test facility; and solvent, alkaline, and steam cleaning facilities. Approximately 70 exploratory soil borings were drilled and analyzed for chlorinated solvents, heavy metals, cyanide, and various hydrocarbon products, such as gasoline, machining and waste oils, Stoddard solvent, and jet fuel. A soil gas survey of the facility was also conducted to screen for potential contamination by volatile organic compounds, including the installation of multi-depth, nested soil vapor monitoring wells. Fate and transport modeling of chlorinated solvents was used to assess the potential for impacts to groundwater. The RWQCB issued a No Further Action letter for the investigation and remediation of chlorinated solvents at the site. The project also included design, permitting, construction, and operation and maintenance of a hot air-assisted Vapor Extraction System to remediate Jet A-impacted soils. After 1 year of operation, remediation was sufficient to obtain closure with no further requirements from the RWQCB. Further, as a part of the decommissioning and demolition of the facility, a comprehensive survey for ACMs in nine buildings was conducted. SCS prepared plans and specifications for the abatement of ACMs, assisted the client in selection of an abatement contractor, conducted daily oversight of abatement activities including air monitoring, and prepared a final report documenting the appropriate removal and disposal of ACMs.

Project Director for redevelopment and closure of historical industrial site. Prior to acquisition of this property, SCS conducted a due diligence assessment and several phases of investigation to identify recognized environmental conditions, characterize the nature and extent of contamination, evaluate costs and environmental liabilities, and facilitate the client's successful purchase of the property. Following acquisition, and as a part of site redevelopment and thereafter, SCS provided additional site characterization and remediation services under regulatory oversight and with closure.

Project activities, conducted concurrently with property redevelopment, included:

- Shallow and deep soil and soil vapor investigations for due diligence purposes.
- Oil well abandonment under California Division of Oil, Gas and Geothermal Resources (DOGGR) oversight.
- Permitting and removal of an existing UST and remedial excavation under Los Angeles County Department of Public Works oversight.
- Under RWQCB oversight, shallow soil excavation of a former UST area, installation and operation of a separate SVE system for deeper soil contamination, and installation and monitoring of groundwater wells.

SCS met with the RWQCB on several occasions to make a case for closure under the State Water Resource Control Board's Low Threat UST Case Closure Policy. Upon completion of a closure investigation in October 2013, and a subsequent meeting to defend the case for closure, the RWQCB concurred with SCS's conclusions and approved the closure process under the Low Threat Policy. Following SVE and well abandonment activities, the RWQCB issued a No Further Action letter for the property in July 2014.

Mr. Green has participated in a certified health and safety program in compliance with OSHA Standard 29 CFR 1910.120. He is knowledgeable in incident response operations, team functions, personnel safety, and field equipment. He is able to recognize and evaluate potential chemical and physical hazards and associated risks in field operations; discuss and use personnel protective equipment such as respiratory protection and protective clothing; use and interpret direct-reading instruments; and examine and establish Standard Operating Safety Guidelines to ensure safe and effective response operations.

Mr. Green has been involved in numerous SCS projects related to hazardous waste characterization and management. He has experience in site assessment studies, underground tank investigations and their associated remediation programs, landfill studies, and geologic and hydrogeologic site characterization studies. His work experience includes all project phases from development of cost estimates for various site assessment and cleanup programs, to groundwater monitoring and sampling, to preparation of final reports and interfacing with regulatory agencies.

Litigation Support/Expert Testimony

Mr. Green has provided litigation support and expert testimony to legal counsel, including conducting research, and preparing reports and other supporting documents, in the following environmental cases:

- In August 2013, Mr. Green provided testimony in federal court on behalf of the plaintiff in *City of Banning v. Dureau et al.*, regarding the contractor's emergency response to a waste oil spill that entered the storm drain system. Testimony related to investigative and remedial actions and the applicability of, and compliance with, the National Contingency Plan (NCP). The case was won by the City of Banning.

- In October 2012, Mr. Green was retained as an expert witness by the defendant in Clipper Yacht Company, LLC v. Anderson's Boat Yard, Inc., to review documents, consult with legal counsel, and provide expert opinions at deposition and trial regarding contamination at a boat yard and associated marina in Sausalito, CA. Specific topics of interest include the adequacy of previous investigations and remediation efforts, the sources of contamination (particularly copper), cleanup levels, and likelihood and estimated costs of additional remediation. This case was settled prior to trial.
- In August 2011, as part of the new property owner's litigation against the former tenant (Alfaville, LLC v. L.A. Signal, Inc.), Mr. Green provided testimony as a percipient witness, primarily as to the source and timing of a prior PCE release. In a Phase I Environmental Assessment prepared by SCS in 2008, PCE solvent use by the departing property tenant was identified. Several phases of subsequent site investigation confirmed a release of PCE to soil and soil vapor with likely impacts to groundwater. Groundwater monitoring is on-going under Los Angeles Regional Water Quality Control Board oversight. Remediation by soil vapor extraction may be conducted. This case was settled.
- In November 2008, Mr. Green provided an expert report and court testimony on behalf of the plaintiff in Malcolm Carter Enterprise v. Microsemi Real Estate, Inc. At issue was the evaluation of data for a Phase I Environmental Site Assessment, identification of Recognized Environmental Concerns, regional and site-specific groundwater contamination by chlorinated solvents, selection of an appropriate regulatory agency for remedial oversight, and applicability of the No Further Action letter. This case was won by the plaintiff.
- In 2010, Mr. Green was retained by the defendant in City of Riverside v. Johnson Revocable Trust, et al., to review documents, consult with legal counsel, and provide expert reports and deposition and expert testimony regarding an eminent domain case in Riverside, CA. Specific topics of interest included the adequacy of previous investigation, the source or sources of a PCE release, and the likelihood and estimated costs of remediation. This case was settled prior to trial.
- In 2009, Mr. Green conducted a review of the scope-of-work and fees charged by another environmental consultant conducting expert witness work on a development project in Santa Clarita. A declaration was provided to the Plaintiff's counsel regarding typical consultant fees, and the reasonableness of the time and expenses charged in relation to the final work product.
- In 2006, Mr. Green reviewed documents, consulted with legal counsel, and provided deposition and expert testimony regarding the source and timing of a methyl tertiary butyl ether (MTBE) release at a service station site in Strathmore, CA. This case was settled prior to trial.

- In 2003, Mr. Green provided litigation support regarding the scope and limitations of a Phase I Environmental Assessment as it pertains to a service station site in San Bernardino, CA.
- In 1998, Mr. Green provided expert consulting services related to the use, history, and migration of hexavalent chromium and perchloroethene in soil and groundwater at a former plating site and adjacent Los Angeles Unified School District (LAUSD) school property, and proper allocation of responsibility regarding those issues.
- In 1994, Mr. Green provided a client's in-house and outside legal counsel with technical support on a case involving cost recovery/allocation and potential involvement in the Burbank Operable Unit of the San Fernando Valley Superfund site. This project included assessment of the nature, extent, fate, and transport of potential contaminants (chlorinated solvents, fuels and/or heavy metals), previous and proposed site investigations, possible remedial alternatives and costs, and environmental investigations and/or remediation on properties in the surrounding area.
- Mr. Green has also provided outside legal counsel with technical support for due diligence assessment at a property in Irvine, CA. The client's site was located adjacent to a service station that had groundwater impacted with gasoline-related constituents, including MTBE. His work involved obtaining regulatory records, review, and written summary regarding regulatory requirements and anticipated actions, health risks, and necessity of additional site assessment and/or investigation work on the client's property.
- He has also assisted a client and the client's legal counsel with review of information and response to the Los Angeles RWQCB's request for a Workplan for investigation of suspected hexavalent chromium impacts to soil and groundwater at the client's former operation, located adjacent to the Burbank Airport and within the Burbank Operable Unit of the San Fernando Valley Superfund Site. The Workplan and further investigation were not subsequently required.
- In 1991, Mr. Green provided expert testimony in *Azusa Redevelopment Agency v. Exxon*, a case involving investigation and remediation of gasoline contaminated soil at a former Exxon station.
- 1991, Mr. Green provided expert testimony for Art Movers, Inc., in a case involving previous site investigations, proposed remedial activities, and potential risks to groundwater resources from perchloroethene-contaminated soils.

Publications and Presentations

Green, K. W. Vapor Encroachment & Intrusion: What are the Real (Estate) Risks? *Journal of Property Management*. March-April 2014.

Marsh, J. R., and K. W. Green. All Appropriate Inquiry - The New Phase I Standard. *California Real Estate Journal*. May 8, 2006.

Green, K. W., T. Dong, and D. R. Ness. Industrial Drycleaner Woes, Vernon, California. Proceedings of the Groundwater Resources Association. November 10, 2004.

Marsh, J. R., K. W. Green, and T. Dong. Standardizing Environmental Assessments: A Practical Perspective. Journal of Environmental Engineering. Vol. 122, No. 3. March 1996.

Marsh, J. R., K. W. Green, and T. Dong. Phase I Assessments and Due Diligence: One and the Same? Environmental Engineering Forum, American Society of Civil Engineers, Environmental Engineering Division. Journal of Environmental Engineering. Vol. 120, No. 6, November/December 1994.

Green, K. W., and B. Garbaccio. Understanding and Interpreting a Site Investigation Report. California Redevelopment Journal. October 1994

Marsh, J. R., and K. W. Green. What Your Phase I Assessment Dollars Buy. California Redevelopment Association Journal. July 1994.



Appendix E

Regulatory Agency Information and No Further Action Letters



City of Long Beach
Working Together to Serve

Memorandum

Date: March 13, 2013
To: Michael Conway, Director, City of Long Beach Department of Public Works
From: Nelson Kerr, Manager, Environmental Health, City of Long Beach Department of Health and Human Services
Subject: 1725 San Francisco Avenue, Long Beach (Former Long Beach Public Service Yard)

This memorandum confirms the completion of the soil investigation related to the removal of two (2) metal clarifiers on January 15, 2013. The clarifiers were associated with a former car wash and paint-rinse area.

Based on the information in the above referenced file and with the provision that the information provided to this Agency was accurate and representative of site conditions, no further action is required.

Please note that this correspondence does not exempt you of any liability under the California Health and Safety Code or Water Code for past, present or future operations at the site address. Additionally, you maintain responsibility to correct any additional or previously unidentified conditions, which cause, or may thereafter cause, pollution or nuisance, or otherwise pose a threat to water quality or public health.

If you require additional information regarding this matter, you may contact me at 562/570-4170.

cc: City of Long Beach Fire Prevention - Tim Buzbee
City of Long Beach Department of Public Works/Fleet Services - Frank Neely.
City of Long Beach Department of Development Services - Amy J. Bodeck
City of Long Beach Department of Development Services/Bldg Bureau - Angela Reynolds
San Francisco Yard LLC - Clark Neuhooff
SCS Engineering Inc. - Ashley P. Hutchens



CITY OF LONG BEACH

DEPARTMENT OF HEALTH AND HUMAN SERVICES

2525 GRAND AVENUE • LONG BEACH, CALIFORNIA 90815 • (562) 570-4000

July 11, 2012

Clark Neuhoff
San Francisco Yard LLC
100 Bayview Circle, Suite 310
Newport Beach, CA 92660

Regarding: 1725 San Francisco Avenue, Long Beach
(Parcel 7271-007-005/Southern Parcel)

Dear Mr. Neuhoff:

This letter confirms the completion of a site investigation related to the characterization of the soil at the former Long Beach City Public Service Yard, located at the above referenced location.

This letter specifically addresses the above referenced parcel and does not extend to other sections at the property.

Based on the Confirmation Sampling Report prepared by SCS Engineers, dated March 2, 2012, and with the provision that the information provided to this Agency was accurate and representative of site conditions, no further action is required.

Please note that this correspondence does not exempt you of any liability under the California Health and Safety Code or Water Code for past, present or future operations at the site address. Additionally, you maintain responsibility to correct any additional or previously unidentified conditions, which cause, or may thereafter cause, pollution or nuisance, or otherwise pose a threat to water quality or public health.

If you require additional information regarding this matter, you may contact Hazardous Materials Specialist, Carmen Piro at 562/570-4137

Sincerely,

Nelson Kerr, R.E.H.S., M.P.A.
Manager, Bureau of Environmental Health

cc: City of Long Beach Fire Prevention-Tim Buzbee
City of Long Beach Department of Public Works-Mike Conway. 333 West Ocean Blvd, 9th Floor, Long Beach, CA 90802
City of Long Beach Department of Development Services-Amy J. Bodeck. 333 West Ocean Blvd, 3rd Floor, Long Beach, CA 90802
City of Long Beach Department of Development Services/Building Bureau-Angela Reynolds. 333 West Ocean Blvd, 4th Floor, Long Beach, CA 90802
SCS Engineers-Kevin Green. 3900 Kilroy Way, Suite 100, Long Beach, CA 90806



CITY OF LONG BEACH

DEPARTMENT OF HEALTH AND HUMAN SERVICES

2525 GRAND AVENUE • LONG BEACH, CALIFORNIA 90815 • (562) 570-4000

July 11, 2012

Clark Neuhoff
San Francisco Yard LLC
100 Bayview Circle, Suite 310
Newport Beach, CA 92660

Regarding: 1725 San Francisco Avenue, Long Beach
(Parcel 7271-012-023/Northern Parcel)

Dear Mr. Neuhoff:

This letter confirms the completion of a site investigation related to the characterization of the soil at the former Long Beach City Public Service Yard, located at the above referenced location.

This letter specifically addresses the above referenced parcel and does not extend to other sections at the property.

Based on the Confirmation Sampling Report prepared by SCS Engineers, dated March 2, 2012, and with the provision that the information provided to this Agency was accurate and representative of site conditions, no further action is required.

Please note that this correspondence does not exempt you of any liability under the California Health and Safety Code or Water Code for past, present or future operations at the site address. Additionally, you maintain responsibility to correct any additional or previously unidentified conditions, which cause, or may thereafter cause, pollution or nuisance, or otherwise pose a threat to water quality or public health.

If you require additional information regarding this matter, you may contact Hazardous Materials Specialist, Carmen Piro at 562/570-4137

Sincerely,

Nelson Kerr, R.E.H.S., M.P.A.
Manager, Bureau of Environmental Health

Cc: City of Long Beach Fire Prevention-Tim Buzbee
City of Long Beach Department of Public Works-Mike Conway. 333 West Ocean Blvd, 9th Floor, Long Beach, CA 90802
City of Long Beach Department of Development Services-Amy J. Bodeck. 333 West Ocean Blvd, 3rd Floor, Long Beach, CA 90802
City of Long Beach Department of Development Services/Building Bureau-Angela Reynolds. 333 West Ocean Blvd, 4th Floor, Long Beach, CA 90802
SCS Engineers-Kevin Green. 3900 Kilroy Way, Suite 100, Long Beach, CA 90806



CITY OF LONG BEACH

DEPARTMENT OF HEALTH AND HUMAN SERVICES
BUREAU OF ENVIRONMENTAL HEALTH



2525 GRAND AVENUE ROOM 220 • LONG BEACH, CALIFORNIA 90815 • (562) 570-4132
WWW.LONGBEACH.GOV/HEALTH/EH

April 27, 2015

Mr. Clark Neuhoﬀ
San Francisco Yard LLC
c/o Alere Property Group LLC
100 Bayview Circle, Suite 310
Newport Beach, CA 92660

Subject: Letter of Compliance-No Further Action

Regarding: 1401 San Francisco Avenue, Long Beach, CA 90813 (the "Property")
Los Angeles County Recorded Application No. #1411-08C/APN:
7271-008-013 and a portion of 727-011-008

Dear Mr. Neuhoﬀ:

This letter confirms the completion of site remedial action related to the lead-impacted soil located at the Property. The Property consists of an L-shaped parcel, approximately 3.5 acres in are (APN: 7271-008-013 and a portion of 7271-011-008).

The lead-impacted soil that was fully characterized between 2013 and 2015, was likely associated with fill debris from the 1933 Long Beach earthquake. The exact date of deposition is unknown. Lead was the only contaminant of concern at the Property and it has now been removed from the site.

The remedial action consisted of excavating approximately 44,000 cubic yards of lead-impacted soil and relocating it to the adjacent City of Long Beach owned parcel, Los Angeles County Recorded Application No.: #1411-08B. This parcel has been designated as the Area of Contamination (AOC) as per California Department of Toxic Substances Control's (DTSC) "Proven Technologies and Remedies (PT&R) Guidance, Remediation of Metals in Soils", dated August 29, 2008.

Remediation is complete per the *Site Remediation and Closure Report, "Yard Parcel"* of the *Former Long Beach Public Service Yard*, prepared by SCS Engineers, March 23, 2015. The Long Beach Department of Health and Human Services has no further requirement, action or restriction related to the Property at this time.

Please note that this correspondence does not exempt San Francisco Yard LLC of any liability under the California Health and Safety Code or Water Code for past, present or future operations at the site address. Also, subject to the *Environmental Indemnity and Access Agreement* dated June 3, 2010, ownership maintains responsibility to correct any additional or previously unidentified conditions, which cause, or may thereafter cause pollution or nuisance, or otherwise pose a threat to water quality or public health.

A.P.N. (s) listed above are subject to change as per Los Angeles County Assessor's Office decision.

If you require additional information regarding this matter, you may contact Hazardous Materials Specialist, Carmen Piro at 562-570-4137.

Sincerely,

A handwritten signature in black ink, appearing to read 'N. Kerr', with a stylized flourish at the end.

Nelson Kerr, R.E.H.S., M.P.A.
Bureau Manager
Bureau of Environmental Health

Cc: Carmen Piro-Hazmat Division, Bureau of Environmental Health
Mike Conway-City Manager, 333 West Ocean Blvd., 13th Floor, Long Beach, CA 90802
Kevin Green -SCS Engineers, 3900 Kilroy Airport Way, Suite 100, Long Beach, CA 90806
Ashley Hutchens-SCS Engineers, 3900 Kilroy Airport Way, Suite 100, Long Beach, CA 90806



Matthew Rodriquez
Secretary for
Environmental Protection

California Regional Water Quality Control Board Los Angeles Region

320 West Fourth Street, Suite 200, Los Angeles, California 90013
(213) 576-6600 • FAX (213) 576-6640
<http://www.waterboards.ca.gov/losangeles>



Edmund G. Brown Jr.
Governor

July 3, 2012

Ms. Carmen Piro
City of Long Beach
333 West Ocean Blvd.
Long Beach, CA 90802

**UNDERGROUND STORAGE TANKS PROGRAM – CASE CLOSURE
PUBLIC SERVICE YARD (PRIORITY D-1 SITE)
1725 SAN FRANCISCO AVENUE, SITE 43, LONG BEACH (FILE NO. 908130607)**

Dear Ms. Piro:

This letter confirms the completion of a site investigation and corrective action for the underground storage tanks formerly located at the above-described location. Thank you for your cooperation throughout this investigation. Your willingness and promptness in responding to our inquiries concerning the former underground storage tanks are greatly appreciated.

Based on information in the above-referenced file and with the provision that the information provided to this agency was accurate and representative of site conditions, this agency finds that the site investigation and corrective action carried out at your underground tank(s) site is in compliance with the requirements of subdivision (a) and (b) of Section 25296.10 of the Health and Safety Code and with corrective action regulations adopted pursuant to Section 25299.3 of the Health and Safety Code and that no further action related to the petroleum release(s) at the site is required.

This notice is issued pursuant to subdivision (g) of Section 25296.10 of the Health and Safety Code.

Claims for reimbursement of corrective action costs submitted to the Underground Storage Tank Cleanup Fund more than 365 days after the date of this letter or issuance or activation of the Fund's Letter of Commitment, whichever occurs later, will not be reimbursed unless one of the following exceptions applies:

- Claims are submitted pursuant to Section 25299.57, subdivision (k) (reopened UST case); or
- Submission within the timeframe was beyond the claimant's reasonable control, ongoing work is required for closure that will result in the submission of claims beyond that time period, or that under the circumstances of the case, it would be unreasonable or inequitable to impose the 365-day time period.

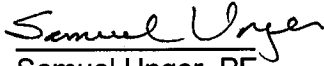
Ms. Carmen Piro

- 2 -

July 3, 2012

Please contact Mr. Noman Chowdhury at (213) 576-6704 or nchowdhury@waterboards.ca.gov if you have any questions regarding this matter.

Sincerely,



Samuel Unger, PE
Executive Officer

cc: Ms. Kathy Jundt, State Water Resources Control Board, UST Cleanup Fund
Ms. Phuong Ly, Water Replenishment District of Southern California
Mr. Richard Lavin, Los Angeles County, Department of Public Health, Environmental Health Division-Water & Sewage
Ms. Susan L Mearns, Mearns Consulting LLC
Mr. Matt Englhard, ALERE Property Group LLC



California Regional Water Quality Control Board Los Angeles Region



Linda S. Adams
Acting Secretary for
Environmental Protection

320 West Fourth Street, Suite 200, Los Angeles, California 90013
(213) 576-6600 • Fax (213) 576-6640
<http://www.waterboards.ca.gov/losangeles>

Edmund G. Brown, Jr.
Governor

July 6, 2011

Mr. Frank Neely
City of Long Beach, Fleet Services
2600 Temple Avenue
Long Beach, CA 90806

**Underground Storage Tanks Program – Case Closure
Former Long Beach City Tow Yard
901 Anaheim Street West, Long Beach (Case No. 908130498) (Priority D-1 Site)**

Dear Mr. Neely:

This letter confirms the completion of a site investigation and corrective action for the underground storage tank(s) formerly located at the above-described location. Thank you for your cooperation throughout this investigation. Your willingness and promptness in responding to our inquiries concerning the former underground storage tank(s) are greatly appreciated.

Based on information in the above-referenced file and with the provision that the information provided to this agency was accurate and representative of site conditions, this agency finds that the site investigation and corrective action carried out at your underground tank(s) site is in compliance with the requirements of subdivision (a) and (b) of Section 25296.10 of the Health and Safety Code and with corrective action regulations adopted pursuant to Section 25299.3 of the Health and Safety Code and that no further action related to the petroleum release(s) at the site is required.

This notice is issued pursuant to subdivision (g) of Section 25296.10 of the Health and Safety Code.

If you have groundwater monitoring wells at the subject site, you must comply with the following:

1. All wells must be properly located and abandoned.
2. Well abandonment permits and all other necessary permits must be obtained from the appropriate agencies prior to the start of work.
3. You must submit a report on the abandonment of the wells to this office by **October 30, 2011**. This report must include, at a minimum, a site map, a description of the well abandonment process, and copies of all signed permits.

California Environmental Protection Agency

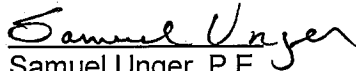
Frank Neely
Former Long Beach City Tow Yard UST case
901 Anaheim St. W.

- 2 -

July 6, 2011

If you have any questions regarding this matter, please contact Mr. Dave Bjostad at (213) 576-6712 or dbjostad@waterboards.ca.gov, or contact Dr. Weixing Tong at (213) 576-6715 or wtong@waterboards.ca.gov.

Sincerely,


Samuel Unger, P.E.
Executive Officer

cc: Kathy Jundt, State Water Resources Control Board, UST Cleanup Fund
Carmen Piro, City of Long Beach Department of Health and Human Services
Nancy Matsumoto, Water Replenishment District of Southern California
Clark Neuhoff, San Francisco Yard LLC, property owner (100 Bayview Circle, #310, Newport Beach, CA 92660)
Long Beach Redevelopment Agency, c/o Craig Justesen, Overland, Pacific & Cutler, Inc.
(3750 Schauffele Ave., Suite 150, Long Beach, CA 90808)
Kevin Green, SCS Engineers



1401 san francisco avenu  

19 sites found

THE FOOD BANK OF SOUTHERN CA

1444 SAN FRANCISCO ST
LONG BEACH CA 90813

San Francisco Yard

1601 SAN FRANCISCO
LONG BEACH CA 90813

LONG BEACH CITY TOW YARD

901 ANAHEIM ST W
LONG BEACH CA 90813

BKK CORPORATION

800 015TH ST W
LONG BEACH CA 90813

DOUGLAS PRODUCE

648 COWLES ST
LONG BEACH CA 90813

Petros Tubular Storage

929 W ANAHEIM ST
LONG BEACH CA 90813



[SHOW MORE INFORMATION >](#)



Regulatory Programs

Chemical Storage Facilities

Evaluations

Evaluations With Violations 1

Evaluations Without Violations 1

Violations

Total 1





Well Status and Well Type Filter

Search

By Attribute By Shape

Select A Layer:

Well

Buffer: 5,280 Feet

Display Buffer Only: ☐

Select Features By:



Stop Drawing

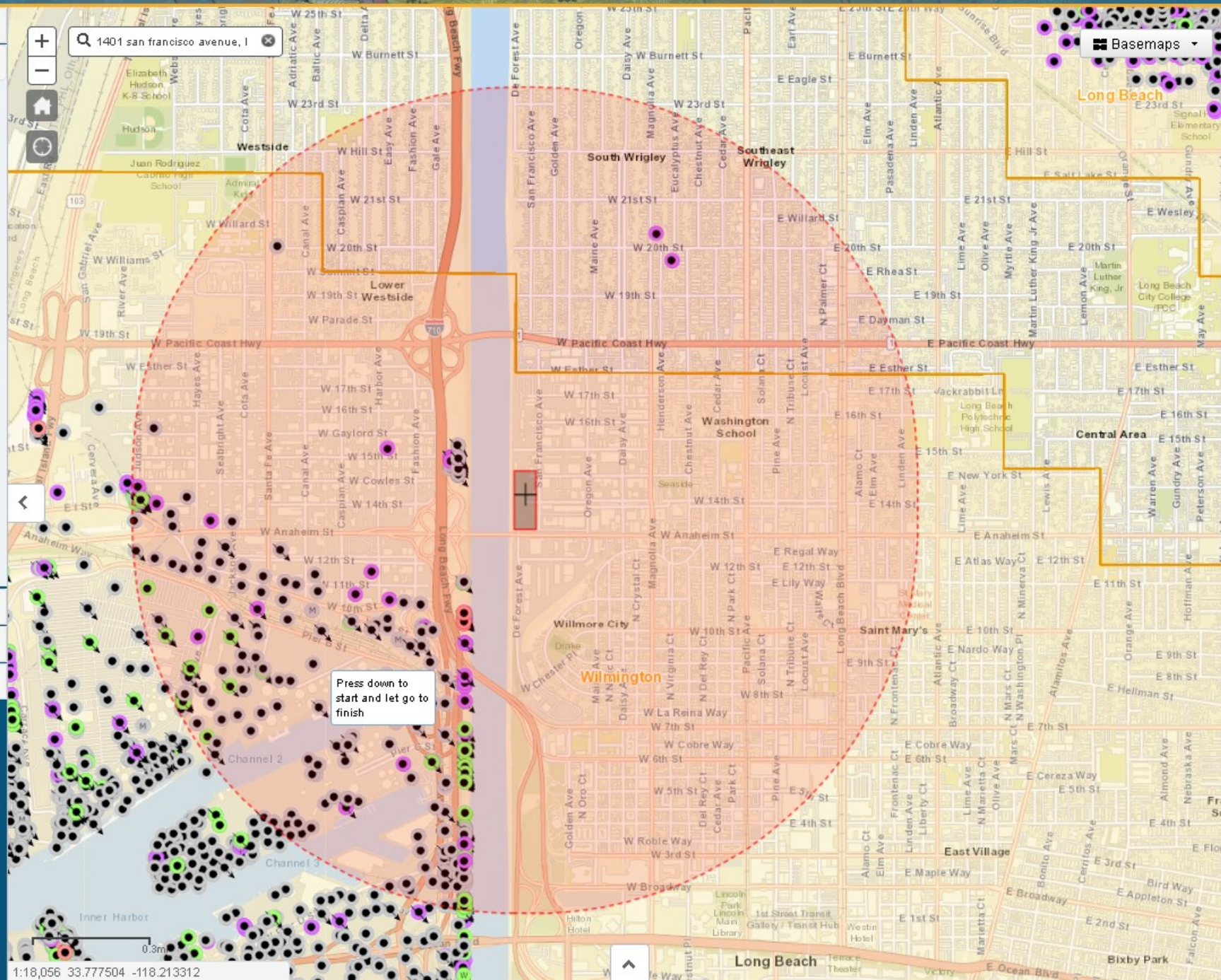
Add To Existing Results: ☐

Search

Zoom to Field

Measurement

Layers



1:18,056 33.777504 -118.213312



Jared Blumenfeld
Secretary for
Environmental Protection



Department of Toxic Substances Control

Meredith Williams, Ph.D.
Director
9211 Oakdale Avenue
Chatsworth, California 91311



Gavin Newsom
Governor

May 11, 2020

Tyler Watkins
SCS Engineers
twatkins@scsengineers.com

Public Records Request Number: PR3-050820-02
Location(s): 1401 San Francisco Avenue, 929 W. Anaheim Street, Long Beach, CA 90813

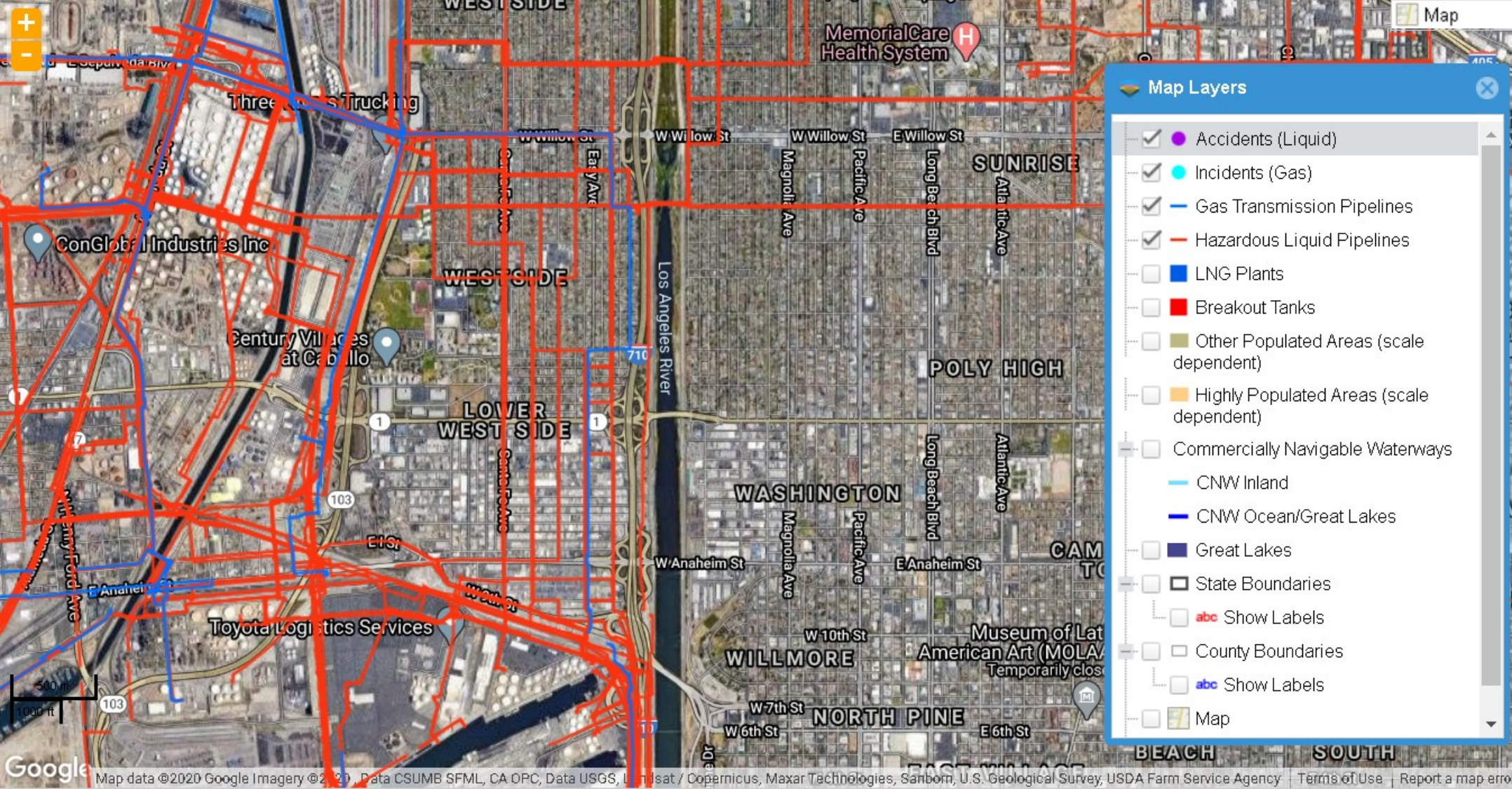
Dear Requestor:

We have received your Public Records Act Request for records from the Department of Toxic Substances Control (DTSC). After a thorough review of our files, no site records were found pertaining to the sites/facilities referenced above.

A large number of our records are available on EnviroStor, an online database that provides non-confidential, public access to DTSC's data management system. It tracks our cleanup, permitting, enforcement, and investigation efforts at hazardous waste facilities and sites with known or suspected contamination issues. EnviroStor is available 24/7, 365 days a year. The data reflects the latest updates as they are entered in the system. Access it from your computer or smartphone, the local library – anywhere Internet access is available. Just go to www.envirostor.dtsc.ca.gov. You'll find a step-by-step tour of EnviroStor under the "How to Use EnviroStor" menu on the website.

If you have any questions or would like further information regarding your request, please contact me at [phone #](#) or via email at [Regional File Room Email](#).

Sincerely,
Glenn Castillo
Regional Records Coordinator



Map Layers

- ☒ Accidents (Liquid)
- ☒ Incidents (Gas)
- ☒ Gas Transmission Pipelines
- ☒ Hazardous Liquid Pipelines
- ☐ LNG Plants
- ☐ Breakout Tanks
- ☐ Other Populated Areas (scale dependent)
- ☐ Highly Populated Areas (scale dependent)
- ☐ Commercially Navigable Waterways
 - ☐ CNW Inland
 - ☐ CNW Ocean/Great Lakes
- ☐ Great Lakes
- ☐ State Boundaries
- ☐ ☐ Show Labels
- ☐ County Boundaries
- ☐ ☐ Show Labels
- ☐ Map

SWIS Facility Detail

Public Service Transfer Station #1 (19-AA-1047)

CalRecycle Contact: [Nai Teurn](#) (916) 323-1799

[Detail](#)[Inspection](#)[Enforcement](#)[Maps](#)[Documents](#)

Identification

Location

Public Service Transfer Station #1
E. side 710mHwy -Btw Anaheim St./ P.C.H.
Long Beach , CA 90806

Latitude

33.78667

Longitude

-118.20695

GIS Confidence

GPS

US EPA FRS ID

--

Local Enforcement Agency (LEA)

County of Los Angeles
Department of Public Health
5050 Commerce Dr
Baldwin Park, CA 91706
{P} (626) 430-5540 {F}

Operator/Business Owner

City of Long Beach, Public Works Dept.
Superintendent Streets Maintenance
1601 San Francisco Ave.
Long Beach, CA 90813
{P} (562) 570-2784 {F} (562) 570-3274

Land Owner(s)

City of Long Beach, Public Service Bureau
Special Projects Officer
1601 San Francisco Ave.
Long Beach, CA 90813
{P} (562) 570-2732 {F} (562) 570-2792

Other Information

Surrounding Land Use

--

Permit Detail

Current - Permit or EA Notification **Issue Date October 19, 2001 Type: Notification**

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Appendix F

EDR Report

929 West Anaheim Street &
1401 San Francisco Avenue
Long Beach, CA 90813

Inquiry Number: 06052641.2r
April 29, 2020

The EDR Radius Map™ Report with GeoCheck®



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

1401 SAN FRANCISCO AVENUE
LONG BEACH, CA 90813

COORDINATES

Latitude (North):	33.7839980 - 33° 47' 2.39"
Longitude (West):	118.2037770 - 118° 12' 13.59"
Universal Transverse Mercator:	Zone 11
UTM X (Meters):	388547.6
UTM Y (Meters):	3738663.8
Elevation:	13 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	5652670 LONG BEACH, CA
Version Date:	2012

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20140513
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
1401 SAN FRANCISCO AVENUE
LONG BEACH, CA 90813

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	ANAHEIM ST AND SAN F	BETWEEN 14TH ST AND	CA NPDES, CA CIWQS	Higher	1 ft.
A2	LONG BEACH TESTING L	1475 SAN FRANCISCO A	RCRA-SQG, FINDS, ECHO	Higher	10, 0.002, NNE
3	VEHICLE TOW YARD	901 ANAHEIM	CA HIST CORTESE	Lower	34, 0.006, SE
B4		0824 W ANAHEIM ST	CA UST	Lower	79, 0.015, South
C5	THE FOODBANK OF SOUT	1444 SAN FRANCISCO A	CA UST	Lower	93, 0.018, ENE
C6	LONG BEACH FOOD BANK	1444 SAN FRANCISCO	CA HIST UST	Lower	93, 0.018, ENE
C7	LONG BEACH FOOD BANK	1444 SAN FRANCISCO	CA SWEEPS UST, CA FID UST	Lower	93, 0.018, ENE
C8	THE FOOD BANK OF SOU	1444 SAN FRANCISCO	CA LUST, CA HIST CORTESE, CA CERS	Lower	93, 0.018, ENE
D9	G & J FORKLIFT INC	899 W COWLES ST UNIT	RCRA NonGen / NLR	Lower	208, 0.039, NE
D10	SEVEN STRAND TACKLE	899 W COWLES ST	RCRA-SQG, CA CERS HAZ WASTE, FINDS, ECHO, CA...	Lower	208, 0.039, NE
E11		0750 W ANAHEIM ST	CA UST	Lower	265, 0.050, SE
B12	AIR PRODUCTS AND CHE	901 W 12TH ST	SEMS-ARCHIVE, RCRA NonGen / NLR, FINDS, ECHO	Lower	317, 0.060, South
B13	AIR PRODUCTS AND CHE	901 W 12TH ST	CA CERS HAZ WASTE, CA CERS TANKS, CA HAZNET, CA...	Lower	317, 0.060, South
C14	CLARIANT CORPORATION	801 W 14TH ST	RCRA NonGen / NLR	Lower	333, 0.063, East
C15	TECHNICAL SERVICE CO	801 WEST 14TH STREET	CA HIST UST	Lower	333, 0.063, East
C16	CLARIANT CORP	801 W 14TH ST	CA AST	Lower	333, 0.063, East
C17	FORMER CLARIANT CORP	801 W 14TH ST	CA LUST, CA Cortese, CA CERS	Lower	333, 0.063, East
C18	T R OIL SERVICES L O	801 WEST 14TH STREET	CA LUST, CA CPS-SLIC, CA UST, CA SWEEPS UST, CA...	Lower	333, 0.063, East
D19	A CHECKERED TOWING &	812 W COWLES ST	CA CERS HAZ WASTE, CA CERS	Lower	334, 0.063, ENE
F20	PEYTCH AUTO SERVICE	732 W 14TH ST	CA CERS HAZ WASTE, CA CERS	Lower	347, 0.066, East
G21	BKK CORPORATION	800 W 015TH ST	CA SWEEPS UST, CA FID UST	Higher	360, 0.068, NE
C22	TECHNICAL SERVICES C	801 014TH ST	CA LUST, CA CERS	Lower	361, 0.068, East
H23	FRONTIER ENGINEERING	800 W 16TH ST	RCRA NonGen / NLR	Higher	366, 0.069, NNE
H24	FRONTIER ENGINEERING	800 W 16TH ST	CA CERS HAZ WASTE, CA HAZNET, CA CERS, CA HWTS	Higher	366, 0.069, NNE
F25	ENVIRONMENTAL SERVS	716 W 14TH ST	RCRA NonGen / NLR, FINDS, ECHO	Lower	415, 0.079, East
F26	MULDOON MARINE SERVI	716 W 14TH ST	RCRA NonGen / NLR	Lower	415, 0.079, East
F27	METROPOLITAN CHEMICA	0733 W 14TH ST	CA UST	Lower	432, 0.082, East
H28	LONG BEACH SEAFOODS	0845 W 16TH ST	CA UST	Higher	447, 0.085, NNE
H29	BAY VIEW PRODUCE INC	845 W 16TH ST	EDR Hist Auto	Higher	447, 0.085, NNE
E30	CAMIN CARGO CONTROL	729 W ANAHEIM ST STE	CA CERS HAZ WASTE, CA EMI, CA HAZNET, CA CERS, CA...	Lower	448, 0.085, SE
E31	CAMIN CARGO CONTROL	729 W ANAHEIM ST STE	RCRA NonGen / NLR	Lower	448, 0.085, SE
32	LIZETTE CREATIONS	0950 W 12TH ST	CA UST	Lower	448, 0.085, South
G33	CHANCELLOR & OGDEN	800 W 15TH ST	RCRA NonGen / NLR, FINDS, ECHO	Higher	481, 0.091, NE
G34	BKK CORP	0800 W 15TH ST	CA LUST, CA UST, CA HIST UST, CA HIST CORTESE	Higher	481, 0.091, NE
G35	BKK CORPORATION/READ	800 WEST 15TH STREET	CA CPS-SLIC, CA HAZNET, CA CERS, CA HWTS	Higher	481, 0.091, NE
I36	CALIF. GLASS DIST.	790 W 012TH ST LONG	CA SWEEPS UST, CA FID UST	Lower	484, 0.092, SSE
H37	LONG BEACH SEAFOODS	0825 W 16TH ST	CA UST	Higher	485, 0.092, NNE
H38	HERITAGE FINE FOODS,	825 WEST 16TH STREET	RCRA NonGen / NLR	Higher	485, 0.092, NNE
F39	JV AUTO BODY REPAIR	721 W 14TH ST UNIT B	RCRA NonGen / NLR	Lower	489, 0.093, East

MAPPED SITES SUMMARY

Target Property Address:
1401 SAN FRANCISCO AVENUE
LONG BEACH, CA 90813

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
J40	CITY LONG BEACH PUBL	1601 SAN FRANCISCO A	RCRA NonGen / NLR, FINDS	Higher	509, 0.096, North
J41	LACDPW 17TH STREET P	1601 SAN FRANCISCO A	RCRA NonGen / NLR	Higher	509, 0.096, North
J42	LACDPW 17TH STREET P	1601 SAN FRANCISCO A	CA SWF/LF, CA EMI, CA HAZNET, CA HWTS	Higher	509, 0.096, North
F43	ALBERTSON TIRE CO IN	708 W 14TH ST	EDR Hist Auto	Lower	526, 0.100, East
K44	HENDERSON & COMPANY	0703 W COWLES ST	CA UST	Higher	530, 0.100, ENE
E45	CHEVRON #209725 (2 D	0725 W ANAHEIM ST	CA UST	Lower	533, 0.101, SE
L46	LONG BEACH CITY TOW	901 ANAHEIM ST W	CA LUST, CA CERS	Lower	544, 0.103, WSW
L47	CITY OF LONG BEACH	0929 W ANAHEIM ST	CA UST	Lower	558, 0.106, WSW
H48	PACIFIC X-RAY CO	0711 W 16TH ST	CA UST	Higher	561, 0.106, NNE
L49	SIFTON A D	949 W ANAHEIM ST	EDR Hist Auto	Lower	573, 0.109, WSW
G50	MESA ENVIRONMENTAL S	721 W 15TH ST	RCRA NonGen / NLR, FINDS, ECHO	Higher	580, 0.110, NE
M51	VINOTEMP INTERNATION	700 W 16TH ST	RCRA NonGen / NLR	Higher	589, 0.112, NE
K52	AIR CARGO (NOT PREVI	0665 W COWLES ST #3	CA UST	Higher	594, 0.112, ENE
N53	DOUGLAS ROBINSON PRO	718 ANAHEIM	CA HIST CORTESE	Lower	603, 0.114, SE
N54	ELLIS FAMILY TRUST	718 ANAHEIM	CA CPS-SLIC	Lower	603, 0.114, SE
G55	SELF ENTERPRISES INC	711 W 15TH ST	EDR Hist Auto	Higher	610, 0.116, NE
I56	CALIF GLASS DIST	790 W 12TH ST LONG B	CA HIST UST	Lower	618, 0.117, SSE
I57	FILE ONLY - CAL PACI	0790 W 12TH ST	CA UST	Lower	618, 0.117, SSE
K58		1451 OREGON AVE	CA UST	Higher	620, 0.117, ENE
G59	LOEM'S SPORTS WEAR	1501 OREGON AVE	CA UST	Higher	628, 0.119, NE
J60		1630 SAN FRANCISCO A	CA UST	Higher	641, 0.121, North
J61	CITY TOW SERVICE & G	1630 SAN FRANCISCO	EDR Hist Auto	Higher	641, 0.121, North
N62	VACANT	0710 W ANAHEIM ST	CA UST	Lower	670, 0.127, ESE
K63	CARAVAN MANUFACTURIN	1424 OREGON AVE	CA UST	Higher	705, 0.134, ENE
O64	NOVA TECHNO CORPORAT	1368 OREGON AVENUE	RCRA NonGen / NLR	Higher	707, 0.134, East
O65	NOVA TECHNO CORP	1368 OREGON AVE	CA CPS-SLIC, CA UST, CA HIST UST, CA FID UST, CA...	Higher	707, 0.134, East
O66	NOVA TECHNO CORPORAT	1368 OREGON AVENUE	RCRA NonGen / NLR	Higher	707, 0.134, East
O67	NOVA TECHNO CORPORAT	1368 OREGON AVE	CA SWEEPS UST	Higher	707, 0.134, East
N68	WEST COAST CHOPPERS	718 ANAHEIM ST W	CA LUST, CA ENF, CA CERS	Lower	712, 0.135, ESE
M69	WARD BARKER INC	707 W 16TH ST	RCRA-SQG, PADS	Higher	714, 0.135, NNE
M70	R G STEPHENS ENGINEE	0707 W 16TH ST	CA UST	Higher	714, 0.135, NNE
M71	CHUCKS ELECTRONIC	707 W 16TH ST	CA SWEEPS UST, CA FID UST	Higher	714, 0.135, NNE
M72	WARD-DEKAY TRANSPORT	707 W 16TH ST	RCRA NonGen / NLR	Higher	714, 0.135, NNE
K73	DOUGLAS BROS PRODUCE	0648 W COWLES ST	CA UST	Higher	735, 0.139, ENE
K74	AMC DIESEL TRUCK REP	648 W COWLES ST	RCRA NonGen / NLR	Higher	735, 0.139, ENE
K75	DOUGLAS PRODUCE	648 COWLES ST	CA Cortese, CA HAZNET, CA CERS, CA HWTS	Higher	735, 0.139, ENE
K76	AMC DIESEL TRUCK REP	648 W COWLES ST	CA CERS HAZ WASTE, CA CERS	Higher	735, 0.139, ENE
K77		648 W COWLES ST	RCRA NonGen / NLR	Higher	735, 0.139, ENE
K78	DOUGLAS PRODUCE	648 COWLES ST	CA LUST, CA HIST CORTESE	Higher	735, 0.139, ENE

MAPPED SITES SUMMARY

Target Property Address:
1401 SAN FRANCISCO AVENUE
LONG BEACH, CA 90813

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
P79	DYNATRON ELECTRIC CO	1492 OREGON AVE	CA UST	Higher	752, 0.142, ENE
P80	BOLA CHEMICALS	1524 OREGON AVE	RCRA-SQG, FINDS, ECHO	Higher	758, 0.144, NE
J81	CITY OF LONG BEACH S	1651 SAN FRANCISCO A	RCRA NonGen / NLR	Higher	783, 0.148, North
J82	LONG BEACH PUBLIC SE	1651 SAN FRANCISCO A	CA CERS HAZ WASTE, CA CERS	Higher	783, 0.148, North
Q83	ELLIS PAINT CO	1200 OREGON AVE	RCRA-SQG, CA CERS HAZ WASTE, FINDS, ECHO, CA...	Higher	817, 0.155, SE
O84	J&P TRUCK BODY SHOP	655 W 14TH ST	CA CERS HAZ WASTE, CA EMI, CA HAZNET, CA CERS, CA...	Higher	819, 0.155, East
O85	J&P TRUCK BODY SHOP	655 W 14TH ST	RCRA NonGen / NLR	Higher	819, 0.155, East
P86	BOYD INDUSTRIAL COAT	651 W 15TH ST	RCRA-SQG, FINDS, ECHO, CA HAZNET, CA HWTS	Higher	826, 0.156, NE
N87	ARATEX SERVICES	702 ANAHEIM	CA CPS-SLIC	Lower	841, 0.159, ESE
R88		0741 W 17TH ST	CA UST	Higher	856, 0.162, NNE
R89	THOMPSON FAMILY TRUS	741 W 17TH ST	RCRA-SQG, CA HAZNET, CA CERS, CA HWTS	Higher	856, 0.162, NNE
R90	THOMPSON FAMILY TRUS	741 WEST 17 TH STREE	CA CPS-SLIC, CA CERS	Higher	856, 0.162, NNE
S91		1120 DE FOREST AVE	RCRA NonGen / NLR	Lower	870, 0.165, South
Q92	AMERICAN BUFFALO INC	0702 W ANAHEIM ST	CA UST	Higher	873, 0.165, SE
Q93	ARAMARK UNIFORM SERV	702 WEST ANAHEIM STR	CA CPS-SLIC, CA HAZNET, CA CERS, CA HWTS	Higher	873, 0.165, SE
Q94	ARAMARK UNIFORM & CA	702 W. ANAHEIM ST.	RCRA NonGen / NLR	Higher	873, 0.165, SE
T95	VACANT	0640 W 16TH ST	CA UST	Higher	887, 0.168, NE
T96	A & D AUTO REBUILDER	1600 OREGON AVE	CA CERS HAZ WASTE, CA HAZNET, CA CERS, CA HWTS	Higher	892, 0.169, NE
P97	SUN HARDWARE CO, INC	635 W 15TH ST	CA DRYCLEANERS	Higher	901, 0.171, NE
P98		0640 W 15TH ST	CA UST	Lower	913, 0.173, ENE
U99	SUPREME TOWING SERVI	704 W 17TH ST	RCRA NonGen / NLR	Higher	970, 0.184, NNE
U100	CITY TOW SERVICE	704 W 17TH ST	CA CERS HAZ WASTE, RCRA NonGen / NLR, FINDS, ECHO,...	Higher	970, 0.184, NNE
U101		0700 W 17TH ST	CA UST	Higher	981, 0.186, NNE
P102	AIR CARGO EQUIPMENT	600 W 15TH ST	RCRA-SQG, CA SWEEPS UST, CA HIST UST, CA FID UST,...	Lower	987, 0.187, ENE
P103	VACANT	0600 W 15TH ST	CA UST	Lower	987, 0.187, ENE
V104	LONG BEACH COLD STOR	625 WEST ANAHEIM STR	SEMS	Higher	1000, 0.189, ESE
V105	CALIFORNIA REFRIGERA	625 W ANAHEIM ST	CA UST, FTTS, HIST FTTS	Higher	1000, 0.189, ESE
W106	CITY OF L.B. PUBLIC	1725 SAN FRANCISCO A	CA UST	Higher	1006, 0.191, North
W107	PUBLIC SERVICE YARD	1725 SAN FRANCISCO A	CA LUST, CA HIST CORTESE, CA CERS	Higher	1006, 0.191, North
108	PUBLIC SERVICE TRANS	E. SIDE 710MHWY -BTW	CA SWF/LF, CA CERS	Higher	1029, 0.195, NW
S109	V & S TRANSPORTATION	1100 DE FOREST AVE	CA UST	Lower	1031, 0.195, South
S110	LACDPW CERRITOS PP	1100 DE FOREST AVE	RCRA NonGen / NLR	Lower	1031, 0.195, South
W111	RILEY MARINE PRODUCT	0840 W ESTHER ST	CA UST	Higher	1037, 0.196, North
W112	WESTERN ELECTROPLATI	840 W ESTHER ST	CA HIST UST, FINDS, ECHO, CA HAZNET, CA HWTS	Higher	1037, 0.196, North
W113	WESTERN ELECTROPLATI	820 W ESTHER ST	SEMS-ARCHIVE, RCRA NonGen / NLR	Higher	1037, 0.196, North
R114		0820 W ESTHER ST	CA UST	Higher	1053, 0.199, NNE
R115	GALAXY SCOOTERS, LLC	820 W ESTHER ST	CA ENVIROSTOR, CA CERS HAZ WASTE	Higher	1053, 0.199, NNE
X116	NEILL AIRCRAFT CO.	1227 W COWLES ST	CA UST	Higher	1066, 0.202, WNW
Y117	H&S IRON WORKS	1501 DAISY AVE	CA UST	Higher	1117, 0.212, ENE

MAPPED SITES SUMMARY

Target Property Address:
1401 SAN FRANCISCO AVENUE
LONG BEACH, CA 90813

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
Y118	R & M ENTERPRISES	1501 DAISY AVE	CA LUST, CA HIST CORTESE, CA CERS	Higher	1117, 0.212, ENE
U119	SO CAL EDISON DAISY	1700 OREGON ST	RCRA NonGen / NLR, FINDS	Lower	1124, 0.213, NNE
R120		0730 W ESTHER ST	CA UST	Lower	1128, 0.214, NNE
Z121		0602 W ANAHEIM ST	CA UST	Higher	1136, 0.215, ESE
AA122	P & M DIESEL SERVICE	1433 DAISY AVE	RCRA NonGen / NLR	Higher	1161, 0.220, East
AA123	LONG BEACH BLUEPRINT	1435 DAISY AVE	CA UST	Higher	1161, 0.220, East
W124	OCEAN BLUE ENVIRONME	925 W ESTHER ST	CA HAULERS, CA HWP, CA MWMP, CA CERS	Higher	1162, 0.220, North
W125	OCEAN BLUE ENVIRONME	925 W ESTHER ST	RCRA NonGen / NLR, PADS, FINDS, ECHO	Higher	1162, 0.220, North
W126	OCEAN BLUE ENVIRONME	925 WEST ESTHER STRE	CA HWT	Higher	1162, 0.220, North
W127	EAGLE MARINE SERVICE	925 W ESTHER ST	CA CERS HAZ WASTE, CA HAZNET, CA CERS, CA HWTS	Higher	1162, 0.220, North
W128		925 W ESTHER ST	RCRA NonGen / NLR	Higher	1162, 0.220, North
V129	SMITH BROTHERS AUTO	0551 W ANAHEIM ST	CA UST	Higher	1242, 0.235, ESE
V130	EXXONMOBIL 99LBC	551 WEST ANAHEIM STR	CA LUST, CA CERS	Higher	1242, 0.235, ESE
V131	COLOR KING WORLD	551 W ANAHEIM ST	CA CERS HAZ WASTE, CA CERS	Higher	1242, 0.235, ESE
V132	COLOR KING WORLD	551 W ANAHEIM ST	RCRA NonGen / NLR	Higher	1242, 0.235, ESE
V133	EXXONMOBIL OIL CORP	551 WEST ANAHEIM ST	RCRA NonGen / NLR	Higher	1242, 0.235, ESE
AA134		1450 DAISY AVE	CA UST	Higher	1245, 0.236, ENE
V135	ASHLAND INC *D	1350 DAISY AVENUE	RCRA NonGen / NLR	Higher	1246, 0.236, East
V136	MARINE GLASS CO	1350 DAISY AVE	CA UST	Higher	1246, 0.236, East
AA137	NEAL FASHION	1402 DAISY AVE	CA UST	Higher	1247, 0.236, East
Y138		1500 DAISY AVE	CA UST	Higher	1248, 0.236, ENE
X139	MICOR ENERGY LLC	1234 COWLES ST W	CA LUST, CA CERS	Lower	1263, 0.239, West
X140	NOIL USA INC DBA NOI	1234 COWLES ST	RCRA NonGen / NLR	Lower	1263, 0.239, West
X141	DELTA AUTO SERVICE I	1234 W COWLES ST	CA CERS HAZ WASTE, CA CERS TANKS, CA HAZNET, CA...	Lower	1263, 0.239, West
X142	JERRY & KATHLEEN GLI	1234 COWLES ST	CA SWEEPS UST, CA FID UST	Lower	1263, 0.239, West
X143	SPEEDY FUEL	1234 W COWLES ST	CA UST	Lower	1263, 0.239, West
X144	SPEEDY FUEL	1234 COWLES	CA UST	Lower	1263, 0.239, West
Z145	FIRE STATION 3	1222 DAISY AVE	CA UST	Higher	1280, 0.242, ESE
AB146		1645 DAISY AVE	CA UST	Higher	1281, 0.243, NE
AB147	EIGHT STAR LOGISTICS	1645 DAISY AVE	CA CERS HAZ WASTE, CA CERS, CA HWTS	Higher	1281, 0.243, NE
X148	GAYLORD INSPECTION L	1243 W COWLES	RCRA NonGen / NLR, FINDS, ECHO	Lower	1283, 0.243, WNW
AB149	VACANT	0615 W 17TH ST	CA UST	Higher	1293, 0.245, NE
X150	NEILL AIRCRAFT INC	1260 W 15TH ST	CA UST	Lower	1311, 0.248, WNW
X151	NEILL AIRCRAFT COMPA	1260 W 15TH ST	CA LUST, RCRA NonGen / NLR, FINDS, ECHO, CA CERS	Lower	1311, 0.248, WNW
X152	NEILL AIRCRAFT CO	1260 W 15TH ST	CA CERS HAZ WASTE, CA NPDES, CA CIWQS, CA CERS	Lower	1311, 0.248, WNW
AB153	ASSOCIATED BREWERS D	615 017TH ST W	CA LUST, CA HIST CORTESE, CA CERS	Lower	1342, 0.254, NE
154	GOODWILL INDUSTRIES	800 PACIFIC COAST HW	CA LUST, CA HIST CORTESE, CA CERS	Lower	1349, 0.255, NNE
155	DIAMOND U PRODUCTS,	1429 MAGNOLIA AVE	CA LUST, CA HIST CORTESE, CA CERS	Higher	1471, 0.279, ENE
AC156	HARBOR DIESEL & EQUI	0537 W ANAHEIM ST	CA LUST, CA UST, CA HIST CORTESE, CA CERS	Higher	1489, 0.282, ESE

MAPPED SITES SUMMARY

Target Property Address:
1401 SAN FRANCISCO AVENUE
LONG BEACH, CA 90813

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
AC157	SHELL #204-4482-7503	500 ANAHEIM ST.	CA LUST, CA CERS	Higher	1513, 0.287, ESE
AD158	GEORGE MITCHEL	1326 012TH ST W	CA LUST, CA Cortese, CA HIST CORTESE, CA CERS	Lower	1569, 0.297, WSW
AE159	ORGANIC COMPOUNDS IN	1265 W 16TH ST	SEMS-ARCHIVE	Lower	1579, 0.299, NW
160	CALTRANS - HIGHWAY 1	2100 PACIFIC COAST	CA CPS-SLIC, CA CERS	Higher	1594, 0.302, North
161	LA MIRAGE INN	701 PACIFIC COAST HW	CA LUST, CA HIST CORTESE, CA CERS	Lower	1663, 0.315, NNE
AE162	ACME OIL CO (MCMULLE	1305 016TH	CA HIST CORTESE	Lower	1679, 0.318, NW
163	GAS STATION	490 ANAHEIM ST W	CA LUST, CA Cortese, CA CERS	Higher	1693, 0.321, ESE
AE164	MCMULLEN OIL CO.	1651 FASHION AVE.	CA LUST, CA CERS	Lower	1706, 0.323, NW
AE165	ACME OIL CO (MCMULLE	1651 FASHION AVE.	CA LUST	Lower	1706, 0.323, NW
AD166	GOODYEAR	1350 12TH	CA HIST CORTESE	Lower	1752, 0.332, WSW
AF167	BULK TERMINAL	960 DE FOREST AVE	CA LUST, CA CPS-SLIC, CA HIST CORTESE, CA CERS	Higher	1758, 0.333, South
AF168	CHARTER INTL OIL TRA	960 DEFOREST AVE	SEMS-ARCHIVE, RCRA NonGen / NLR	Higher	1758, 0.333, South
AG169	NATIONAL PLANT SERVI	1364 016TH	CA HIST UST, CA HIST CORTESE	Lower	1891, 0.358, WNW
AG170	NATIONAL PLANT SERVI	1364 016TH ST W	CA LUST, CA CERS	Lower	1920, 0.364, WNW
AH171	MARINE HARDWARE CO	1322 017TH ST W	CA LUST, CA CERS	Lower	1973, 0.374, NW
172	DAISY AVENUE LONG BE	948 DAISY AVENUE	CA CPS-SLIC, CA CERS	Higher	1973, 0.374, SE
AF173	SANTA FE PACIFIC PIP	DE FOREST AVE	CA LUST, CA HIST CORTESE	Lower	2001, 0.379, South
AH174	HYDRO SERVICES CO	1322 17TH ST	RCRA-SQG, CA UST, FINDS, ECHO, CA HIST CORTESE	Lower	2011, 0.381, NW
AG175	BRANNEN PIPE & SUPPL	1650 HARBOR AVE	CA LUST, CA HIST UST, CA HIST CORTESE, CA CERS	Lower	2019, 0.382, WNW
AG176	BRANNEN PIPE & SUPPL	1650 HARBOR BLVD	CA LUST	Lower	2019, 0.382, WNW
AH177	CAMPBELL CONTOUR ATT	1320 W ESTHER ST	SEMS-ARCHIVE	Higher	2043, 0.387, NW
178	RUSSELL TRUCK COMPAN	1430 011TH ST W	CA LUST, CA HIST CORTESE, CA CERS	Lower	2160, 0.409, WSW
AI179	MTA DIV. 12	970 CHESTER PL W.	CA LUST	Higher	2180, 0.413, South
AI180	LA CO METRO TRANS AU	970 W CHESTER PL	CA CPS-SLIC, CA EMI, CA WDS, CA CERS	Higher	2180, 0.413, South
AJ181	FORMER COMMERCIAL TR	1468 14TH ST W	CA LUST, CA CERS	Lower	2217, 0.420, West
AK182	FORMER ROCKET STATIO	465 PACIFIC COAST HW	CA LUST, CA Cortese, CA CERS	Higher	2269, 0.430, NE
AL183	TIDELANDS OIL	1348 WEST NINTH ST	CA CPS-SLIC, CA CERS	Lower	2279, 0.432, SW
AJ184	COMMERCIAL TRUCK BOD	1468 014TH	CA LUST, CA HIST CORTESE	Lower	2284, 0.433, West
AK185	ROCKET #6	465 PACIFIC COAST	CA HIST CORTESE	Lower	2297, 0.435, NE
186	I-CHEM INTERNATIONAL	1455 16TH ST. W.	CA LUST, CA Cortese, CA CERS	Lower	2308, 0.437, WNW
AL187	TIDELAND OIL	1348 009TH	CA CPS-SLIC	Lower	2321, 0.440, SW
AL188	LINE 79 RELEASE	PIER B STREET AND HA	CA CPS-SLIC, CA CERS	Lower	2521, 0.477, SW
AM189	TRANS WORLD OIL CORP	1532 ANAHEIM ST W	CA LUST, CA CERS	Lower	2533, 0.480, West
AN190	TOSCO - 76 STATION #	1410 PACIFIC COAST H	CA LUST, CA CERS	Lower	2575, 0.488, NW
AN191	76 PRODUCTS STATION	1410 PACIFIC COAST	CA HIST CORTESE	Lower	2575, 0.488, NW
192	PRINT L.A. INC.	1520 016TH ST W	CA LUST	Lower	2591, 0.491, WNW
193	TEXACO SERVICE STATI	340 PACIFIC COAST	CA HIST CORTESE	Lower	2594, 0.491, NE
194	SULLIVAN CHEM CO INC	1470 W 9TH ST	SEMS-ARCHIVE	Lower	2607, 0.494, SW
195	ARCO MARINE TERMINAL	1300 PIER B	CA CPS-SLIC, CA CHMIRS, CA CERS	Lower	2630, 0.498, SW

MAPPED SITES SUMMARY

Target Property Address:
1401 SAN FRANCISCO AVENUE
LONG BEACH, CA 90813

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
196	SNYDER MFG CORP	1541 W COWLES ST	SEMS-ARCHIVE, CA ENVIROSTOR	Lower	2662, 0.504, West
AM197	CAL BUMPER CO INC	1555 W ANAHEIM ST	CA ENVIROSTOR, CA EMI, CA WDS, CA CERS	Lower	2679, 0.507, West
198	DION & SONS INC	1569 016TH ST W	CA ENVIROSTOR, CA LUST, CA EMI, CA HIST CORTESE	Lower	2899, 0.549, WNW
199	LONG BEACH PLATING C	1620 WEST ANAHEIM ST	CA ENVIROSTOR, CA EMI	Lower	3004, 0.569, West
AQ200	EDISON ELEMENTARY SC	625 MAINE AVENUE	CA ENVIROSTOR, CA SCH	Higher	3125, 0.592, SSE
AQ201	EDISON ELEMENTARY SC	625 MAINE AVENUE	CA ENVIROSTOR, CA SCH	Higher	3125, 0.592, SSE
202	CALBLASCO INC	1620 WEST 16TH STREE	CA ENVIROSTOR, CA HIST UST	Lower	3238, 0.613, WNW
AP203	CROSBY & OVERTON - P	1630 W 17TH ST	CA ENVIROSTOR, CA AST, CA WDS	Lower	3295, 0.624, WNW
AP204	CROSBY & OVERTON	1630 W. 17TH STREET	SEMS-ARCHIVE, CORRACTS, RCRA-TSDF, RCRA-LQG, CA...	Lower	3295, 0.624, WNW
205	ANAHEIM STREET SCHOO	ANAHEIM STREET/PACIF	CA ENVIROSTOR, CA SCH	Higher	3417, 0.647, East
206	QUALITY ALUMINUM FOR	1411 COTA AVE.	CA ENVIROSTOR	Lower	3774, 0.715, West
207	TARZANA TREATMENT CE	2101 MAGNOLIA AVENUE	CA ENVIROSTOR	Higher	3857, 0.730, NNE
208	EDISON/LONG BEACH II	LG BCH HARBOR AREA,	CA ENVIROSTOR, CA VCP	Lower	4003, 0.758, WSW
209	1710 PIER B STREET	1710 PIER B STREET	CA ENVIROSTOR, CA VCP, CA EMI, CA NPDES, CA CIWQS	Lower	4213, 0.798, WSW
210	LAS VENTANAS	1795 LONG BEACH BLVD	CA ENVIROSTOR, CA VCP, CA NPDES	Higher	4257, 0.806, ENE
211	LBUSD-CABRILLO HIGH	2001 SANTA FE AVE	CA ENVIROSTOR, CA SCH, RCRA NonGen / NLR, FINDS,...	Higher	4573, 0.866, NW
212	LONG BEACH UNIFIED S	235 E 8TH STREET	CA ENVIROSTOR, CA SCH, CA EMI, CA HAZNET, CA...	Higher	4578, 0.867, ESE
213	EDISON/LONG BEACH MG	LG BEACH AREA, 8TH I	EDR MGP	Lower	4706, 0.891, WSW
214	BEAR STATE ELECTRICA	2105 WEST COWLES STR	CA ENVIROSTOR	Lower	4751, 0.900, West
AQ215	ROOSEVELT ELEMENTARY	1574 LINDEN AVENUE	CA ENVIROSTOR, CA SCH	Higher	5062, 0.959, East
AQ216	ROOSEVELT ELEMENTARY	1574 LINDEN AVENUE	CA ENVIROSTOR, CA SCH, CA NPDES, CA CIWQS	Higher	5062, 0.959, East
217	PETRO-DIAMOND TERMIN	1920 LUGGER WAY	CA ENVIROSTOR, CA LUST, CA Cortese, CA HIST...	Lower	5076, 0.961, WSW

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL..... National Priority List
Proposed NPL..... Proposed National Priority List Sites
NPL LIENS..... Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL..... National Priority List Deletions

Federal CERCLIS list

FEDERAL FACILITY..... Federal Facility Site Information listing

Federal RCRA generators list

RCRA-VSQG..... RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

Federal institutional controls / engineering controls registries

LUCIS..... Land Use Control Information System
US ENG CONTROLS..... Engineering Controls Sites List
US INST CONTROLS..... Institutional Controls Sites List

Federal ERNS list

ERNS..... Emergency Response Notification System

State- and tribal - equivalent NPL

CA RESPONSE..... State Response Sites

State and tribal leaking storage tank lists

INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

FEMA UST..... Underground Storage Tank Listing

EXECUTIVE SUMMARY

INDIAN UST..... Underground Storage Tanks on Indian Land

State and tribal voluntary cleanup sites

INDIAN VCP..... Voluntary Cleanup Priority Listing

State and tribal Brownfields sites

CA BROWNFIELDS..... Considered Brownfields Sites Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

CA WMUDS/SWAT..... Waste Management Unit Database

CA SWRCY..... Recycler Database

INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands

ODI..... Open Dump Inventory

DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations

IHS OPEN DUMPS..... Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

CA AOCONCERN..... Key Areas of Concerns in Los Angeles County

US HIST CDL..... Delisted National Clandestine Laboratory Register

CA HIST Cal-Sites..... Historical Calsites Database

CA CDL..... Clandestine Drug Labs

CA Toxic Pits..... Toxic Pits Cleanup Act Sites

US CDL..... National Clandestine Laboratory Register

CA PFAS..... PFAS Contamination Site Location Listing

Local Land Records

CA LIENS..... Environmental Liens Listing

LIENS 2..... CERCLA Lien Information

CA DEED..... Deed Restriction Listing

Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System

CA LDS..... Land Disposal Sites Listing

CA MCS..... Military Cleanup Sites Listing

CA SPILLS 90..... SPILLS 90 data from FirstSearch

Other Ascertainable Records

FUDS..... Formerly Used Defense Sites

DOD..... Department of Defense Sites

SCRD DRYCLEANERS..... State Coalition for Remediation of Drycleaners Listing

EPA WATCH LIST..... EPA WATCH LIST

EXECUTIVE SUMMARY

TSCA.....	Toxic Substances Control Act
TRIS.....	Toxic Chemical Release Inventory System
SSTS.....	Section 7 Tracking Systems
ROD.....	Records Of Decision
RMP.....	Risk Management Plans
RAATS.....	RCRA Administrative Action Tracking System
PRP.....	Potentially Responsible Parties
ICIS.....	Integrated Compliance Information System
MLTS.....	Material Licensing Tracking System
COAL ASH DOE.....	Steam-Electric Plant Operation Data
COAL ASH EPA.....	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER.....	PCB Transformer Registration Database
RADINFO.....	Radiation Information Database
DOT OPS.....	Incident and Accident Data
CONSENT.....	Superfund (CERCLA) Consent Decrees
INDIAN RESERV.....	Indian Reservations
FUSRAP.....	Formerly Utilized Sites Remedial Action Program
UMTRA.....	Uranium Mill Tailings Sites
LEAD SMELTERS.....	Lead Smelter Sites
US AIRS.....	Aerometric Information Retrieval System Facility Subsystem
US MINES.....	Mines Master Index File
ABANDONED MINES.....	Abandoned Mines
UXO.....	Unexploded Ordnance Sites
DOCKET HWC.....	Hazardous Waste Compliance Docket Listing
FUELS PROGRAM.....	EPA Fuels Program Registered Listing
CA BOND EXP. PLAN.....	Bond Expenditure Plan
CA CUPA Listings.....	CUPA Resources List
CA Financial Assurance.....	Financial Assurance Information Listing
CA LOS ANGELES CO. HMS.....	HMS: Street Number List
CA MINES.....	Mines Site Location Listing
CA PEST LIC.....	Pesticide Regulation Licenses Listing
CA PROC.....	Certified Processors Database
CA Notify 65.....	Proposition 65 Records
LA Co. Site Mitigation.....	Site Mitigation List
CA UIC.....	UIC Listing
CA UIC GEO.....	UIC GEO (GEOTRACKER)
CA WASTEWATER PITS.....	Oil Wastewater Pits Listing
CA WIP.....	Well Investigation Program Case List
CA MILITARY PRIV SITES.....	MILITARY PRIV SITES (GEOTRACKER)
CA PROJECT.....	PROJECT (GEOTRACKER)
CA WDR.....	Waste Discharge Requirements Listing
CA NON-CASE INFO.....	NON-CASE INFO (GEOTRACKER)
CA OTHER OIL GAS.....	OTHER OIL & GAS (GEOTRACKER)
CA PROD WATER PONDS.....	PROD WATER PONDS (GEOTRACKER)
CA SAMPLING POINT.....	SAMPLING POINT (GEOTRACKER)
CA WELL STIM PROJ.....	Well Stimulation Project (GEOTRACKER)
CA LOS ANGELES CO LF MENDANA.....	Los Angeles Producing Landfills
MINES MRDS.....	Mineral Resources Data System

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR Hist Cleaner..... EDR Exclusive Historical Cleaners

EXECUTIVE SUMMARY

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

CA RGA LF..... Recovered Government Archive Solid Waste Facilities List
CA RGA LUST..... Recovered Government Archive Leaking Underground Storage Tank

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Federal CERCLIS list

SEMS: SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly known as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

A review of the SEMS list, as provided by EDR, and dated 01/30/2020 has revealed that there is 1 SEMS site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
LONG BEACH COLD STOR Site ID: 0909534 EPA Id: CAN000909534	625 WEST ANAHEIM STR	ESE 1/8 - 1/4 (0.189 mi.)	V104	318

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes

EXECUTIVE SUMMARY

available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be potential NPL site.

A review of the SEMS-ARCHIVE list, as provided by EDR, and dated 01/30/2020 has revealed that there are 6 SEMS-ARCHIVE sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
WESTERN ELECTROPLATI Site ID: 0901116 EPA Id: CAD008501215	820 W ESTHER ST	N 1/8 - 1/4 (0.196 mi.)	W113	330
CHARTER INTL OIL TRA Site ID: 0901579 EPA Id: CAD075274928	960 DEFOREST AVE	S 1/4 - 1/2 (0.333 mi.)	AF168	494
CAMPBELL CONTOUR ATT Site ID: 0901024 EPA Id: CAD008284333	1320 W ESTHER ST	NW 1/4 - 1/2 (0.387 mi.)	AH177	515
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
AIR PRODUCTS AND CHE Site ID: 0901020 EPA Id: CAD008278046	901 W 12TH ST	S 0 - 1/8 (0.060 mi.)	B12	45
ORGANIC COMPOUNDS IN Site ID: 0901085 EPA Id: CAD008365041	1265 W 16TH ST	NW 1/4 - 1/2 (0.299 mi.)	AE159	477
SULLIVAN CHEM CO INC Site ID: 0902276 EPA Id: CAD981170368	1470 W 9TH ST	SW 1/4 - 1/2 (0.494 mi.)	194	564

Federal RCRA CORRACTS facilities list

CORRACTS: CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

A review of the CORRACTS list, as provided by EDR, and dated 12/16/2019 has revealed that there is 1 CORRACTS site within approximately 1 mile of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CROSBY & OVERTON EPA ID:: CAD028409019	1630 W. 17TH STREET	WNW 1/2 - 1 (0.624 mi.)	AP204	594

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Federal RCRA generators list

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 12/16/2019 has revealed that there are 8 RCRA-SQG sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
LONG BEACH TESTING L EPA ID:: CAD981972201	1475 SAN FRANCISCO A	NNE 0 - 1/8 (0.002 mi.)	A2	12
WARD BARKER INC EPA ID:: CAD981571177	707 W 16TH ST	NNE 1/8 - 1/4 (0.135 mi.)	M69	198
BOLA CHEMICALS EPA ID:: CAD982023061	1524 OREGON AVE	NE 1/8 - 1/4 (0.144 mi.)	P80	218
ELLIS PAINT CO EPA ID:: CAD982495038	1200 OREGON AVE	SE 1/8 - 1/4 (0.155 mi.)	Q83	224
BOYD INDUSTRIAL COAT EPA ID:: CAD981624018	651 W 15TH ST	NE 1/8 - 1/4 (0.156 mi.)	P86	271
THOMPSON FAMILY TRUS EPA ID:: CAR000158105	741 W 17TH ST	NNE 1/8 - 1/4 (0.162 mi.)	R89	277
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SEVEN STRAND TACKLE EPA ID:: CAD982446585	899 W COWLES ST	NE 0 - 1/8 (0.039 mi.)	D10	22
AIR CARGO EQUIPMENT EPA ID:: CAD095135810	600 W 15TH ST	ENE 1/8 - 1/4 (0.187 mi.)	P102	315

State- and tribal - equivalent CERCLIS

CA ENVIROSTOR: The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifies sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

A review of the CA ENVIROSTOR list, as provided by EDR, and dated 01/27/2020 has revealed that there are 21 CA ENVIROSTOR sites within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
GALAXY SCOOTERS, LLC	820 W ESTHER ST	NNE 1/8 - 1/4 (0.199 mi.)	R115	333

EXECUTIVE SUMMARY

Facility Id: 19340289 Status: Refer: Other Agency				
EDISON ELEMENTARY SC Facility Id: 19820121 Status: No Action Required	625 MAINE AVENUE	SSE 1/2 - 1 (0.592 mi.)	AO200	584
EDISON ELEMENTARY SC Facility Id: 19820024 Status: No Action Required	625 MAINE AVENUE	SSE 1/2 - 1 (0.592 mi.)	AO201	586
ANAHEIM STREET SCHOO Facility Id: 19550025 Status: Inactive - Needs Evaluation	ANAHEIM STREET/PACIF	E 1/2 - 1 (0.647 mi.)	205	787
TARZANA TREATMENT CE Facility Id: 19800039 Status: No Action Required	2101 MAGNOLIA AVENUE	NNE 1/2 - 1 (0.730 mi.)	207	790
LAS VENTANAS Facility Id: 60002588 Status: Active	1795 LONG BEACH BLVD	ENE 1/2 - 1 (0.806 mi.)	210	826
LBUSD-CABRILLO HIGH Facility Id: 19010025 Status: No Further Action	2001 SANTA FE AVE	NW 1/2 - 1 (0.866 mi.)	211	833
LONG BEACH UNIFIED S Facility Id: 60002434 Status: No Further Action	235 E 8TH STREET	ESE 1/2 - 1 (0.867 mi.)	212	846
ROOSEVELT ELEMENTARY Facility Id: 19820124 Status: No Action Required	1574 LINDEN AVENUE	E 1/2 - 1 (0.959 mi.)	AQ215	860
ROOSEVELT ELEMENTARY Facility Id: 60001492 Status: No Further Action	1574 LINDEN AVENUE	E 1/2 - 1 (0.959 mi.)	AQ216	862
Lower Elevation	Address	Direction / Distance	Map ID	Page
SNYDER MFG CORP Facility Id: 19280503 Status: Refer: Other Agency	1541 W COWLES ST	W 1/2 - 1 (0.504 mi.)	196	568
CAL BUMPER CO INC Facility Id: 71002353 Status: Refer: Other Agency	1555 W ANAHEIM ST	W 1/2 - 1 (0.507 mi.)	AM197	571
DION & SONS INC Facility Id: 19290263 Status: Refer: RWQCB	1569 016TH ST W	WNW 1/2 - 1 (0.549 mi.)	198	576
LONG BEACH PLATING C Facility Id: 71002202 Status: Refer: Other Agency	1620 WEST ANAHEIM ST	W 1/2 - 1 (0.569 mi.)	199	582
CALBLASCO INC Facility Id: 19350398 Status: Refer: RCRA	1620 WEST 16TH STREE	WNW 1/2 - 1 (0.613 mi.)	202	589
CROSBY & OVERTON - P Facility Id: 80001355 Status: No Action Required	1630 W 17TH ST	WNW 1/2 - 1 (0.624 mi.)	AP203	591
QUALITY ALUMINUM FOR	1411 COTA AVE.	W 1/2 - 1 (0.715 mi.)	206	789

EXECUTIVE SUMMARY

Facility Id: 71002791
Status: Refer: Other Agency

EDISON/LONG BEACH II Facility Id: 19490233 Status: Certified / Operation & Maintenance	LG BCH HARBOR AREA,	WSW 1/2 - 1 (0.758 mi.)	208	791
1710 PIER B STREET Facility Id: 19290290 Status: Active	1710 PIER B STREET	WSW 1/2 - 1 (0.798 mi.)	209	800
BEAR STATE ELECTRICA Facility Id: 19360096 Status: Refer: Other Agency	2105 WEST COWLES STR	W 1/2 - 1 (0.900 mi.)	214	858
PETRO-DIAMOND TERMIN Facility Id: 71002369 Status: Refer: Other Agency	1920 LUGGER WAY	WSW 1/2 - 1 (0.961 mi.)	217	869

State and tribal landfill and/or solid waste disposal site lists

CA SWF/LF: The Solid Waste Facilities/Landfill Sites records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. The data come from the Integrated Waste Management Board's Solid Waste Information System (SWIS) database.

A review of the CA SWF/LF list, as provided by EDR, has revealed that there are 2 CA SWF/LF sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
LACDPW 17TH STREET P Database: LOS ANGELES CO. LF, Date of Government Version: 01/13/2020 Site ID: 193 Status: Closed	1601 SAN FRANCISCO A	N 0 - 1/8 (0.096 mi.)	J42	165
PUBLIC SERVICE TRANS Database: SWF/LF (SWIS), Date of Government Version: 02/10/2020 Facility ID: 19-AA-1047 Operational Status: Active Regulation Status: Notification	E. SIDE 710MHWY -BTW	NW 1/8 - 1/4 (0.195 mi.)	108	324

State and tribal leaking storage tank lists

CA LUST: Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the CA LUST list, as provided by EDR, has revealed that there are 38 CA LUST sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
BKK CORP Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 12/09/2019	0800 W 15TH ST	NE 0 - 1/8 (0.091 mi.)	G34	153

EXECUTIVE SUMMARY

Status: Completed - Case Closed
 Facility Id: 908130570
 Status: Case Closed
 Global Id: T0603701968
 Global ID: T0603701968

DOUGLAS PRODUCE **648 COWLES ST** **ENE 1/8 - 1/4 (0.139 mi.)** **K78** **211**

Database: LUST REG 4, Date of Government Version: 09/07/2004
 Database: LUST, Date of Government Version: 12/09/2019
 Status: Open - Site Assessment
 Facility Id: 908130325
 Status: Pollution Characterization
 Global Id: T0603701946
 Global ID: T0603701946

PUBLIC SERVICE YARD **1725 SAN FRANCISCO A** **N 1/8 - 1/4 (0.191 mi.)** **W107** **320**

Database: LUST REG 4, Date of Government Version: 09/07/2004
 Database: LUST, Date of Government Version: 12/09/2019
 Status: Completed - Case Closed
 Facility Id: 908130607
 Status: Preliminary site assessment underway
 Global Id: T0603701971
 Global ID: T0603701971

R & M ENTERPRISES **1501 DAISY AVE** **ENE 1/8 - 1/4 (0.212 mi.)** **Y118** **339**

Database: LUST REG 4, Date of Government Version: 09/07/2004
 Database: LUST, Date of Government Version: 12/09/2019
 Status: Completed - Case Closed
 Facility Id: 908130243
 Status: Case Closed
 Global Id: T0603701938
 Global ID: T0603701938

EXXONMOBIL 99LBC **551 WEST ANAHEIM STR** **ESE 1/8 - 1/4 (0.235 mi.)** **V130** **360**

Database: LUST, Date of Government Version: 12/09/2019
 Status: Completed - Case Closed
 Global Id: T10000004446

DIAMOND U PRODUCTS, **1429 MAGNOLIA AVE** **ENE 1/4 - 1/2 (0.279 mi.)** **155** **451**

Database: LUST REG 4, Date of Government Version: 09/07/2004
 Database: LUST, Date of Government Version: 12/09/2019
 Status: Completed - Case Closed
 Facility Id: 013191-01
 Status: Case Closed
 Global Id: T0603700054
 Global ID: T0603700054

HARBOR DIESEL & EQUI **0537 W ANAHEIM ST** **ESE 1/4 - 1/2 (0.282 mi.)** **AC156** **454**

Database: LUST REG 4, Date of Government Version: 09/07/2004
 Database: LUST, Date of Government Version: 12/09/2019
 Status: Completed - Case Closed
 Facility Id: 908130125
 Status: Case Closed
 Global Id: T0603701927
 Global ID: T0603701927

SHELL #204-4482-7503 **500 ANAHEIM ST.** **ESE 1/4 - 1/2 (0.287 mi.)** **AC157** **457**

Database: LUST, Date of Government Version: 12/09/2019
 Status: Completed - Case Closed
 Global Id: T0603757536

GAS STATION **490 ANAHEIM ST W** **ESE 1/4 - 1/2 (0.321 mi.)** **163** **482**

Database: LUST, Date of Government Version: 12/09/2019

EXECUTIVE SUMMARY

Status: Open - Site Assessment
Global Id: T10000005954

BULK TERMINAL **960 DE FOREST AVE** **S 1/4 - 1/2 (0.333 mi.)** **AF167** **492**

Database: LUST REG 4, Date of Government Version: 09/07/2004
Facility Id: 908130061
Status: Pollution Characterization
Global ID: T0603701921

MTA DIV. 12 **970 CHESTER PL W.** **S 1/4 - 1/2 (0.413 mi.)** **AI179** **519**

Database: LUST REG 4, Date of Government Version: 09/07/2004
Facility Id: 908130661
Status: Preliminary site assessment underway
Global ID: T0603757656

FORMER ROCKET STATIO **465 PACIFIC COAST HW** **NE 1/4 - 1/2 (0.430 mi.)** **AK182** **534**

Database: LUST REG 4, Date of Government Version: 09/07/2004
Database: LUST, Date of Government Version: 12/09/2019
Status: Open - Site Assessment
Facility Id: 908061052
Status: Remedial action (cleanup) Underway
Global Id: T0603701838
Global ID: T0603701838

Lower Elevation	Address	Direction / Distance	Map ID	Page
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THE FOOD BANK OF SOU **1444 SAN FRANCISCO** **ENE 0 - 1/8 (0.018 mi.)** **C8** **18**

Database: LUST REG 4, Date of Government Version: 09/07/2004
Database: LUST, Date of Government Version: 12/09/2019
Status: Completed - Case Closed
Facility Id: 908130216
Status: Case Closed
Global Id: T0603701935
Global ID: T0603701935

FORMER CLARIANT CORP **801 W 14TH ST** **E 0 - 1/8 (0.063 mi.)** **C17** **81**

Database: LUST, Date of Government Version: 12/09/2019
Status: Open - Site Assessment
Global Id: SL204EB2404

T R OIL SERVICES L O **801 WEST 14TH STREET** **E 0 - 1/8 (0.063 mi.)** **C18** **87**

Database: LUST REG 4, Date of Government Version: 09/07/2004
Facility Id: 908130407
Status: Case Closed
Global ID: T0603701954

TECHNICAL SERVICES C **801 014TH ST** **E 0 - 1/8 (0.068 mi.)** **C22** **111**

Database: LUST, Date of Government Version: 12/09/2019
Status: Completed - Case Closed
Global Id: T0603701954

LONG BEACH CITY TOW **901 ANAHEIM ST W** **WSW 0 - 1/8 (0.103 mi.)** **L46** **172**

Database: LUST REG 4, Date of Government Version: 09/07/2004
Database: LUST, Date of Government Version: 12/09/2019
Status: Completed - Case Closed
Facility Id: 908130498
Status: Preliminary site assessment workplan submitted
Global Id: T0603701960
Global ID: T0603701960

WEST COAST CHOPPERS **718 ANAHEIM ST W** **ESE 1/8 - 1/4 (0.135 mi.)** **N68** **192**

Database: LUST REG 4, Date of Government Version: 09/07/2004
Database: LUST, Date of Government Version: 12/09/2019

EXECUTIVE SUMMARY

Status: Completed - Case Closed
 Facility Id: 908130252
 Status: Preliminary site assessment workplan submitted
 Global Id: T0603701939
 Global ID: T0603701939

MICOR ENERGY LLC **1234 COWLES ST W** **W 1/8 - 1/4 (0.239 mi.)** **X139** **376**

Database: LUST REG 4, Date of Government Version: 09/07/2004
 Database: LUST, Date of Government Version: 12/09/2019
 Status: Completed - Case Closed
 Facility Id: 908130625
 Status: Pollution Characterization
 Global Id: T0603701973
 Global ID: T0603701973

NEILL AIRCRAFT COMPA **1260 W 15TH ST** **WNW 1/8 - 1/4 (0.248 mi.)** **X151** **419**

Database: LUST REG 4, Date of Government Version: 09/07/2004
 Database: LUST, Date of Government Version: 12/09/2019
 Status: Completed - Case Closed
 Facility Id: 908130543
 Status: Pollution Characterization
 Global Id: T0603701965
 Global ID: T0603701965

ASSOCIATED BREWERS D **615 017TH ST W** **NE 1/4 - 1/2 (0.254 mi.)** **AB153** **444**

Database: LUST REG 4, Date of Government Version: 09/07/2004
 Database: LUST, Date of Government Version: 12/09/2019
 Status: Completed - Case Closed
 Facility Id: 908130461
 Status: Case Closed
 Global Id: T0603701957
 Global ID: T0603701957

GOODWILL INDUSTRIES **800 PACIFIC COAST HW** **NNE 1/4 - 1/2 (0.255 mi.)** **154** **448**

Database: LUST REG 4, Date of Government Version: 09/07/2004
 Database: LUST, Date of Government Version: 12/09/2019
 Status: Completed - Case Closed
 Facility Id: 908061070
 Status: Case Closed
 Global Id: T0603701839
 Global ID: T0603701839

GEORGE MITCHEL **1326 012TH ST W** **WSW 1/4 - 1/2 (0.297 mi.)** **AD158** **463**

Database: LUST REG 4, Date of Government Version: 09/07/2004
 Database: LUST, Date of Government Version: 12/09/2019
 Status: Open - Site Assessment
 Facility Id: 908130043
 Status: Pollution Characterization
 Global Id: T0603701919
 Global ID: T0603701919

LA MIRAGE INN **701 PACIFIC COAST HW** **NNE 1/4 - 1/2 (0.315 mi.)** **161** **479**

Database: LUST REG 4, Date of Government Version: 09/07/2004
 Database: LUST, Date of Government Version: 12/09/2019
 Status: Completed - Case Closed
 Facility Id: 908060089
 Status: Case Closed
 Global Id: T0603701827
 Global ID: T0603701827

MCMULLEN OIL CO. **1651 FASHION AVE.** **NW 1/4 - 1/2 (0.323 mi.)** **AE164** **487**

Database: LUST, Date of Government Version: 12/09/2019

EXECUTIVE SUMMARY

Status: Completed - Case Closed Global Id: T0603701931				
ACME OIL CO (MCMULLE	1651 FASHION AVE.	NW 1/4 - 1/2 (0.323 mi.)	AE165	490
Database: LUST REG 4, Date of Government Version: 09/07/2004 Facility Id: 908130189 Status: Preliminary site assessment underway Global ID: T0603701931				
NATIONAL PLANT SERVI	1364 016TH ST W	WNW 1/4 - 1/2 (0.364 mi.)	AG170	498
Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 12/09/2019 Status: Completed - Case Closed Facility Id: 908130143 Status: Case Closed Global Id: T0603701928 Global ID: T0603701928				
MARINE HARDWARE CO	1322 017TH ST W	NW 1/4 - 1/2 (0.374 mi.)	AH171	501
Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 12/09/2019 Status: Completed - Case Closed Facility Id: 908130516 Status: Remediation Plan Global Id: T0603701962 Global ID: T0603701962				
SANTA FE PACIFIC PIP	DE FOREST AVE	S 1/4 - 1/2 (0.379 mi.)	AF173	507
Database: LUST REG 4, Date of Government Version: 09/07/2004 Facility Id: 123091-41 Status: Preliminary site assessment underway Global ID: T0603700221				
BRANNEN PIPE & SUPPL	1650 HARBOR AVE	WNW 1/4 - 1/2 (0.382 mi.)	AG175	511
Database: LUST, Date of Government Version: 12/09/2019 Status: Completed - Case Closed Global Id: T0603701955				
BRANNEN PIPE & SUPPL	1650 HARBOR BLVD	WNW 1/4 - 1/2 (0.382 mi.)	AG176	513
Database: LUST REG 4, Date of Government Version: 09/07/2004 Facility Id: 908130416 Status: Case Closed Global ID: T0603701955				
RUSSELL TRUCK COMPAN	1430 011TH ST W	WSW 1/4 - 1/2 (0.409 mi.)	178	516
Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 12/09/2019 Status: Completed - Case Closed Facility Id: 908130098 Status: Case Closed Global Id: T0603701924 Global ID: T0603701924				
FORMER COMMERCIAL TR	1468 14TH ST W	W 1/4 - 1/2 (0.420 mi.)	AJ181	524
Database: LUST, Date of Government Version: 12/09/2019 Status: Completed - Case Closed Global Id: T0603701923				
COMMERCIAL TRUCK BOD	1468 014TH	W 1/4 - 1/2 (0.433 mi.)	AJ184	543
Database: LUST REG 4, Date of Government Version: 09/07/2004 Facility Id: 908130089				

EXECUTIVE SUMMARY

Status: Remediation Plan
Global ID: T0603701923

I-CHEM INTERNATIONAL **1455 16TH ST. W.** **WNW 1/4 - 1/2 (0.437 mi.)** **186** **545**

Database: LUST REG 4, Date of Government Version: 09/07/2004
Database: LUST, Date of Government Version: 12/09/2019
Status: Open - Site Assessment
Facility Id: 908130670
Status: Preliminary site assessment underway
Global Id: T0603743664
Global ID: T0603743664

TRANS WORLD OIL CORP **1532 ANAHEIM ST W** **W 1/4 - 1/2 (0.480 mi.)** **AM189** **551**

Database: LUST REG 4, Date of Government Version: 09/07/2004
Database: LUST, Date of Government Version: 12/09/2019
Status: Completed - Case Closed
Facility Id: 908061043
Status: Case Closed
Global Id: T0603701837
Global ID: T0603701837

TOSCO - 76 STATION # **1410 PACIFIC COAST H** **NW 1/4 - 1/2 (0.488 mi.)** **AN190** **554**

Database: LUST REG 4, Date of Government Version: 09/07/2004
Database: LUST, Date of Government Version: 12/09/2019
Status: Completed - Case Closed
Facility Id: 907440252
Status: Pollution Characterization
Global Id: T0603701670
Global ID: T0603701670

PRINT L.A. INC. **1520 016TH ST W** **WNW 1/4 - 1/2 (0.491 mi.)** **192** **562**

Database: LUST, Date of Government Version: 12/09/2019
Status: Completed - Case Closed
Global Id: T0603701959

CA CPS-SLIC: Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the CA CPS-SLIC list, as provided by EDR, has revealed that there are 15 CA CPS-SLIC sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
BKK CORPORATION/READ	800 WEST 15TH STREET	NE 0 - 1/8 (0.091 mi.)	G35	156
Database: CPS-SLIC, Date of Government Version: 12/09/2019 Facility Status: Open - Verification Monitoring Global Id: SL2047J1677				
NOVA TECHNO CORP	1368 OREGON AVE	E 1/8 - 1/4 (0.134 mi.)	O65	185
Database: CPS-SLIC, Date of Government Version: 12/09/2019 Database: SLIC REG 4, Date of Government Version: 11/17/2004 Facility Status: Completed - Case Closed Facility Status: No further action required Global Id: SL184691452				
THOMPSON FAMILY TRUS	741 WEST 17 TH STREE	NNE 1/8 - 1/4 (0.162 mi.)	R90	285
Database: CPS-SLIC, Date of Government Version: 12/09/2019				

EXECUTIVE SUMMARY

Facility Status: Open - Site Assessment
Global Id: SL0603753707

ARAMARK UNIFORM SERV	702 WEST ANAHEIM STR	SE 1/8 - 1/4 (0.165 mi.)	Q93	288
Database: CPS-SLIC, Date of Government Version: 12/09/2019				
Facility Status: Open - Remediation				
Global Id: SL204FH2430				
CALTRANS - HIGHWAY 1	2100 PACIFIC COAST	N 1/4 - 1/2 (0.302 mi.)	160	478
Database: CPS-SLIC, Date of Government Version: 12/09/2019				
Database: SLIC REG 4, Date of Government Version: 11/17/2004				
Facility Status: Completed - Case Closed				
Facility Status: No further action required				
Global Id: SL2048R1707				
BULK TERMINAL	960 DE FOREST AVE	S 1/4 - 1/2 (0.333 mi.)	AF167	492
Database: CPS-SLIC, Date of Government Version: 12/09/2019				
Database: SLIC REG 4, Date of Government Version: 11/17/2004				
Facility Status: Open - Site Assessment				
Facility Status: Site Assessment				
Global Id: SL2048H2365				
DAISY AVENUE LONG BE	948 DAISY AVENUE	SE 1/4 - 1/2 (0.374 mi.)	172	507
Database: CPS-SLIC, Date of Government Version: 12/09/2019				
Facility Status: Open - Assessment & Interim Remedial Action				
Global Id: T10000008848				
LA CO METRO TRANS AU	970 W CHESTER PL	S 1/4 - 1/2 (0.413 mi.)	AI180	520
Database: CPS-SLIC, Date of Government Version: 12/09/2019				
Facility Status: Open - Site Assessment				
Global Id: T0603757656				

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
T R OIL SERVICES L O	801 WEST 14TH STREET	E 0 - 1/8 (0.063 mi.)	C18	87
Database: SLIC REG 4, Date of Government Version: 11/17/2004				
Facility Status: Site Assessment				
ELLIS FAMILY TRUST	718 ANAHEIM	SE 0 - 1/8 (0.114 mi.)	N54	180
Database: SLIC REG 4, Date of Government Version: 11/17/2004				
Facility Status: Inactive				
ARATEX SERVICES	702 ANAHEIM	ESE 1/8 - 1/4 (0.159 mi.)	N87	276
Database: SLIC REG 4, Date of Government Version: 11/17/2004				
Facility Status: Remediation				
TIDELANDS OIL	1348 WEST NINTH ST	SW 1/4 - 1/2 (0.432 mi.)	AL183	542
Database: CPS-SLIC, Date of Government Version: 12/09/2019				
Facility Status: Completed - Case Closed				
Global Id: SL184621445				
TIDELAND OIL	1348 009TH	SW 1/4 - 1/2 (0.440 mi.)	AL187	550
Database: SLIC REG 4, Date of Government Version: 11/17/2004				
Facility Status: No further action required				
LINE 79 RELEASE	PIER B STREET AND HA	SW 1/4 - 1/2 (0.477 mi.)	AL188	550
Database: CPS-SLIC, Date of Government Version: 12/09/2019				
Facility Status: Open - Active				
Global Id: T10000011745				
ARCO MARINE TERMINAL	1300 PIER B	SW 1/4 - 1/2 (0.498 mi.)	195	565
Database: CPS-SLIC, Date of Government Version: 12/09/2019				
Database: SLIC REG 4, Date of Government Version: 11/17/2004				

EXECUTIVE SUMMARY

Facility Status: Open - Site Assessment
 Facility Status: Remediation
 Global Id: SL374422455

State and tribal registered storage tank lists

CA UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the CA UST list, as provided by EDR, has revealed that there are 51 CA UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
LONG BEACH SEAFOODS Database: LONG BEACH UST, Date of Government Version: 04/22/2019	0845 W 16TH ST	NNE 0 - 1/8 (0.085 mi.)	H28	129
BKK CORP Database: LONG BEACH UST, Date of Government Version: 04/22/2019	0800 W 15TH ST	NE 0 - 1/8 (0.091 mi.)	G34	153
LONG BEACH SEAFOODS Database: LONG BEACH UST, Date of Government Version: 04/22/2019	0825 W 16TH ST	NNE 0 - 1/8 (0.092 mi.)	H37	159
HENDERSON & COMPANY Database: LONG BEACH UST, Date of Government Version: 04/22/2019	0703 W COWLES ST	ENE 0 - 1/8 (0.100 mi.)	K44	171
PACIFIC X-RAY CO Database: LONG BEACH UST, Date of Government Version: 04/22/2019	0711 W 16TH ST	NNE 0 - 1/8 (0.106 mi.)	H48	177
AIR CARGO (NOT PREVI Database: LONG BEACH UST, Date of Government Version: 04/22/2019	0665 W COWLES ST #3	ENE 0 - 1/8 (0.112 mi.)	K52	180
Not reported Database: LONG BEACH UST, Date of Government Version: 04/22/2019	1451 OREGON AVE	ENE 0 - 1/8 (0.117 mi.)	K58	182
LOEM'S SPORTS WEAR Database: LONG BEACH UST, Date of Government Version: 04/22/2019	1501 OREGON AVE	NE 0 - 1/8 (0.119 mi.)	G59	182
Not reported Database: LONG BEACH UST, Date of Government Version: 04/22/2019	1630 SAN FRANCISCO A	N 0 - 1/8 (0.121 mi.)	J60	183
CARAVAN MANUFACTURIN Database: LONG BEACH UST, Date of Government Version: 04/22/2019	1424 OREGON AVE	ENE 1/8 - 1/4 (0.134 mi.)	K63	184
NOVA TECHNO CORP Database: LONG BEACH UST, Date of Government Version: 04/22/2019	1368 OREGON AVE	E 1/8 - 1/4 (0.134 mi.)	O65	185
R G STEPHENS ENGINEE Database: LONG BEACH UST, Date of Government Version: 04/22/2019	0707 W 16TH ST	NNE 1/8 - 1/4 (0.135 mi.)	M70	200
DOUGLAS BROS PRODUCE Database: LONG BEACH UST, Date of Government Version: 04/22/2019	0648 W COWLES ST	ENE 1/8 - 1/4 (0.139 mi.)	K73	202
DYNATRON ELECTRIC CO Database: LONG BEACH UST, Date of Government Version: 04/22/2019	1492 OREGON AVE	ENE 1/8 - 1/4 (0.142 mi.)	P79	218
Not reported Database: LONG BEACH UST, Date of Government Version: 04/22/2019	0741 W 17TH ST	NNE 1/8 - 1/4 (0.162 mi.)	R88	276
AMERICAN BUFFALO INC Database: LONG BEACH UST, Date of Government Version: 04/22/2019	0702 W ANAHEIM ST	SE 1/8 - 1/4 (0.165 mi.)	Q92	287
VACANT Database: LONG BEACH UST, Date of Government Version: 04/22/2019	0640 W 16TH ST	NE 1/8 - 1/4 (0.168 mi.)	T95	294

EXECUTIVE SUMMARY

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
Not reported Database: LONG BEACH UST, Date of Government Version: 04/22/2019	0700 W 17TH ST	NNE 1/8 - 1/4 (0.186 mi.)	U101	314
CALIFORNIA REFRIGERA Database: LONG BEACH UST, Date of Government Version: 04/22/2019	625 W ANAHEIM ST	ESE 1/8 - 1/4 (0.189 mi.)	V105	319
CITY OF L.B. PUBLIC Database: LONG BEACH UST, Date of Government Version: 04/22/2019	1725 SAN FRANCISCO A	N 1/8 - 1/4 (0.191 mi.)	W106	320
RILEY MARINE PRODUCT Database: LONG BEACH UST, Date of Government Version: 04/22/2019	0840 W ESTHER ST	N 1/8 - 1/4 (0.196 mi.)	W111	327
Not reported Database: LONG BEACH UST, Date of Government Version: 04/22/2019	0820 W ESTHER ST	NNE 1/8 - 1/4 (0.199 mi.)	R114	333
NEILL AIRCRAFT CO. Database: LONG BEACH UST, Date of Government Version: 04/22/2019	1227 W COWLES ST	WNW 1/8 - 1/4 (0.202 mi.)	X116	338
H&S IRON WORKS Database: LONG BEACH UST, Date of Government Version: 04/22/2019	1501 DAISY AVE	ENE 1/8 - 1/4 (0.212 mi.)	Y117	339
Not reported Database: LONG BEACH UST, Date of Government Version: 04/22/2019	0602 W ANAHEIM ST	ESE 1/8 - 1/4 (0.215 mi.)	Z121	345
LONG BEACH BLUEPRINT Database: LONG BEACH UST, Date of Government Version: 04/22/2019	1435 DAISY AVE	E 1/8 - 1/4 (0.220 mi.)	AA123	346
SMITH BROTHERS AUTO Database: LONG BEACH UST, Date of Government Version: 04/22/2019	0551 W ANAHEIM ST	ESE 1/8 - 1/4 (0.235 mi.)	V129	360
Not reported Database: LONG BEACH UST, Date of Government Version: 04/22/2019	1450 DAISY AVE	ENE 1/8 - 1/4 (0.236 mi.)	AA134	373
MARINE GLASS CO Database: LONG BEACH UST, Date of Government Version: 04/22/2019	1350 DAISY AVE	E 1/8 - 1/4 (0.236 mi.)	V136	375
NEAL FASHION Database: LONG BEACH UST, Date of Government Version: 04/22/2019	1402 DAISY AVE	E 1/8 - 1/4 (0.236 mi.)	AA137	375
Not reported Database: LONG BEACH UST, Date of Government Version: 04/22/2019	1500 DAISY AVE	ENE 1/8 - 1/4 (0.236 mi.)	Y138	376
FIRE STATION 3 Database: LONG BEACH UST, Date of Government Version: 04/22/2019	1222 DAISY AVE	ESE 1/8 - 1/4 (0.242 mi.)	Z145	408
Not reported Database: LONG BEACH UST, Date of Government Version: 04/22/2019	1645 DAISY AVE	NE 1/8 - 1/4 (0.243 mi.)	AB146	408
VACANT Database: LONG BEACH UST, Date of Government Version: 04/22/2019	0615 W 17TH ST	NE 1/8 - 1/4 (0.245 mi.)	AB149	418
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
Not reported Database: LONG BEACH UST, Date of Government Version: 04/22/2019	0824 W ANAHEIM ST	S 0 - 1/8 (0.015 mi.)	B4	14
THE FOODBANK OF SOUT Database: LONG BEACH UST, Date of Government Version: 04/22/2019	1444 SAN FRANCISCO A	ENE 0 - 1/8 (0.018 mi.)	C5	15
Not reported Database: LONG BEACH UST, Date of Government Version: 04/22/2019	0750 W ANAHEIM ST	SE 0 - 1/8 (0.050 mi.)	E11	45
T R OIL SERVICES L O Database: LONG BEACH UST, Date of Government Version: 04/22/2019	801 WEST 14TH STREET	E 0 - 1/8 (0.063 mi.)	C18	87
METROPOLITAN CHEMICAL Database: LONG BEACH UST, Date of Government Version: 04/22/2019	0733 W 14TH ST	E 0 - 1/8 (0.082 mi.)	F27	129

EXECUTIVE SUMMARY

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
LIZETTE CREATIONS Database: LONG BEACH UST, Date of Government Version: 04/22/2019	0950 W 12TH ST	S 0 - 1/8 (0.085 mi.)	32	151
CHEVRON #209725 (2 D) Database: LONG BEACH UST, Date of Government Version: 04/22/2019	0725 W ANAHEIM ST	SE 0 - 1/8 (0.101 mi.)	E45	171
CITY OF LONG BEACH Database: LONG BEACH UST, Date of Government Version: 04/22/2019	0929 W ANAHEIM ST	WSW 0 - 1/8 (0.106 mi.)	L47	176
FILE ONLY - CAL PACI Database: LONG BEACH UST, Date of Government Version: 04/22/2019	0790 W 12TH ST	SSE 0 - 1/8 (0.117 mi.)	I57	182
VACANT Database: LONG BEACH UST, Date of Government Version: 04/22/2019	0710 W ANAHEIM ST	ESE 1/8 - 1/4 (0.127 mi.)	N62	183
Not reported Database: LONG BEACH UST, Date of Government Version: 04/22/2019	0640 W 15TH ST	ENE 1/8 - 1/4 (0.173 mi.)	P98	305
VACANT Database: LONG BEACH UST, Date of Government Version: 04/22/2019	0600 W 15TH ST	ENE 1/8 - 1/4 (0.187 mi.)	P103	318
V & S TRANSPORTATION Database: LONG BEACH UST, Date of Government Version: 04/22/2019	1100 DE FOREST AVE	S 1/8 - 1/4 (0.195 mi.)	S109	325
Not reported Database: LONG BEACH UST, Date of Government Version: 04/22/2019	0730 W ESTHER ST	NNE 1/8 - 1/4 (0.214 mi.)	R120	344
SPEEDY FUEL Database: UST, Date of Government Version: 12/09/2019 Database: LONG BEACH UST, Date of Government Version: 04/22/2019 Facility Id: 19-060-3147	1234 W COWLES ST	W 1/8 - 1/4 (0.239 mi.)	X143	407
SPEEDY FUEL Database: LONG BEACH UST, Date of Government Version: 04/22/2019	1234 COWLES	W 1/8 - 1/4 (0.239 mi.)	X144	408
NEILL AIRCRAFT INC Database: LONG BEACH UST, Date of Government Version: 04/22/2019	1260 W 15TH ST	WNW 1/8 - 1/4 (0.248 mi.)	X150	419

CA AST: A listing of aboveground storage tank petroleum storage tank locations.

A review of the CA AST list, as provided by EDR, has revealed that there is 1 CA AST site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CLARIANT CORP Database: AST, Date of Government Version: 07/06/2016	801 W 14TH ST	E 0 - 1/8 (0.063 mi.)	C16	81

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Hazardous waste / Contaminated Sites

CA CERS HAZ WASTE: List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

A review of the CA CERS HAZ WASTE list, as provided by EDR, and dated 01/21/2020 has revealed that

EXECUTIVE SUMMARY

there are 18 CA CERS HAZ WASTE sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
FRONTIER ENGINEERING	800 W 16TH ST	NNE 0 - 1/8 (0.069 mi.)	H24	114
AMC DIESEL TRUCK REP	648 W COWLES ST	ENE 1/8 - 1/4 (0.139 mi.)	K76	206
LONG BEACH PUBLIC SE	1651 SAN FRANCISCO A	N 1/8 - 1/4 (0.148 mi.)	J82	221
ELLIS PAINT CO	1200 OREGON AVE	SE 1/8 - 1/4 (0.155 mi.)	Q83	224
J&P TRUCK BODY SHOP	655 W 14TH ST	E 1/8 - 1/4 (0.155 mi.)	O84	261
A & D AUTO REBUILDER	1600 OREGON AVE	NE 1/8 - 1/4 (0.169 mi.)	T96	294
CITY TOW SERVICE	704 W 17TH ST	NNE 1/8 - 1/4 (0.184 mi.)	U100	307
GALAXY SCOOTERS, LLC	820 W ESTHER ST	NNE 1/8 - 1/4 (0.199 mi.)	R115	333
EAGLE MARINE SERVICE	925 W ESTHER ST	N 1/8 - 1/4 (0.220 mi.)	W127	351
COLOR KING WORLD	551 W ANAHEIM ST	ESE 1/8 - 1/4 (0.235 mi.)	V131	362
EIGHT STAR LOGISTICS	1645 DAISY AVE	NE 1/8 - 1/4 (0.243 mi.)	AB147	409
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SEVEN STRAND TACKLE	899 W COWLES ST	NE 0 - 1/8 (0.039 mi.)	D10	22
AIR PRODUCTS AND CHE	901 W 12TH ST	S 0 - 1/8 (0.060 mi.)	B13	48
A CHECKERED TOWING &	812 W COWLES ST	ENE 0 - 1/8 (0.063 mi.)	D19	95
PEYTCH AUTO SERVICE	732 W 14TH ST	E 0 - 1/8 (0.066 mi.)	F20	103
CAMIN CARGO CONTROL	729 W ANAHEIM ST STE	SE 0 - 1/8 (0.085 mi.)	E30	130
DELTA AUTO SERVICE I	1234 W COWLES ST	W 1/8 - 1/4 (0.239 mi.)	X141	382
NEILL AIRCRAFT CO	1260 W 15TH ST	WNW 1/8 - 1/4 (0.248 mi.)	X152	426

Local Lists of Registered Storage Tanks

CA SWEEPS UST: Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

A review of the CA SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there are 8 CA SWEEPS UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
BKK CORPORATION Status: A Tank Status: A Comp Number: 16806	800 W 015TH ST	NE 0 - 1/8 (0.068 mi.)	G21	109
NOVA TECHNO CORPORAT Status: A Tank Status: A Comp Number: 6617	1368 OREGON AVE	E 1/8 - 1/4 (0.134 mi.)	O67	191
CHUCKS ELECTRONIC Comp Number: 1004	707 W 16TH ST	NNE 1/8 - 1/4 (0.135 mi.)	M71	200
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
LONG BEACH FOOD BANK Status: A Tank Status: A	1444 SAN FRANCISCO	ENE 0 - 1/8 (0.018 mi.)	C7	16

EXECUTIVE SUMMARY

Comp Number: 50642				
T R OIL SERVICES L O	801 WEST 14TH STREET	E 0 - 1/8 (0.063 mi.)	C18	87
Status: A				
Tank Status: A				
Comp Number: 3103				
CALIF. GLASS DIST.	790 W 012TH ST LONG	SSE 0 - 1/8 (0.092 mi.)	I36	159
Status: A				
Tank Status: A				
Comp Number: 46937				
AIR CARGO EQUIPMENT	600 W 15TH ST	ENE 1/8 - 1/4 (0.187 mi.)	P102	315
Status: A				
Tank Status: A				
Comp Number: 34141				
JERRY & KATHLEEN GLI	1234 COWLES ST	W 1/8 - 1/4 (0.239 mi.)	X142	406
Comp Number: 54445				

CA HIST UST: Historical UST Registered Database.

A review of the CA HIST UST list, as provided by EDR, and dated 10/15/1990 has revealed that there are 8 CA HIST UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
BKK CORP	0800 W 15TH ST	NE 0 - 1/8 (0.091 mi.)	G34	153
Facility Id: 00000016806				
NOVA TECHNO CORP	1368 OREGON AVE	E 1/8 - 1/4 (0.134 mi.)	O65	185
Facility Id: 00000006617				
WESTERN ELECTROPLATI	840 W ESTHER ST	N 1/8 - 1/4 (0.196 mi.)	W112	327
Facility Id: 00000007824				
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
LONG BEACH FOOD BANK	1444 SAN FRANCISCO	ENE 0 - 1/8 (0.018 mi.)	C6	15
Facility Id: 00000050642				
TECHNICAL SERVICE CO	801 WEST 14TH STREET	E 0 - 1/8 (0.063 mi.)	C15	80
T R OIL SERVICES L O	801 WEST 14TH STREET	E 0 - 1/8 (0.063 mi.)	C18	87
Facility Id: 00000003103				
CALIF GLASS DIST	790 W 12TH ST LONG B	SSE 0 - 1/8 (0.117 mi.)	I56	181
Facility Id: 00000046937				
AIR CARGO EQUIPMENT	600 W 15TH ST	ENE 1/8 - 1/4 (0.187 mi.)	P102	315
Facility Id: 00000034141				

CA FID UST: The Facility Inventory Database contains active and inactive underground storage tank locations. The source is the State Water Resource Control Board.

A review of the CA FID UST list, as provided by EDR, and dated 10/31/1994 has revealed that there are 8 CA FID UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
BKK CORPORATION	800 W 015TH ST	NE 0 - 1/8 (0.068 mi.)	G21	109

EXECUTIVE SUMMARY

Facility Id: 19056630
Status: A

NOVA TECHNO CORP Facility Id: 19029718 Status: A	1368 OREGON AVE	E 1/8 - 1/4 (0.134 mi.)	O65	185
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CHUCKS ELECTRONIC Facility Id: 19016192 Status: I	707 W 16TH ST	NNE 1/8 - 1/4 (0.135 mi.)	M71	200
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<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
LONG BEACH FOOD BANK Facility Id: 19003077 Status: A	1444 SAN FRANCISCO	ENE 0 - 1/8 (0.018 mi.)	C7	16
T R OIL SERVICES L O Facility Id: 19056600 Status: A	801 WEST 14TH STREET	E 0 - 1/8 (0.063 mi.)	C18	87
CALIF. GLASS DIST. Facility Id: 19056689 Status: A	790 W 012TH ST LONG	SSE 0 - 1/8 (0.092 mi.)	I36	159
AIR CARGO EQUIPMENT Facility Id: 19056672 Status: A	600 W 15TH ST	ENE 1/8 - 1/4 (0.187 mi.)	P102	315
JERRY & KATHLEEN GLI Facility Id: 19054707 Status: I	1234 COWLES ST	W 1/8 - 1/4 (0.239 mi.)	X142	406

CA CERS TANKS: List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs.

A review of the CA CERS TANKS list, as provided by EDR, and dated 01/21/2020 has revealed that there are 2 CA CERS TANKS sites within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
AIR PRODUCTS AND CHE	901 W 12TH ST	S 0 - 1/8 (0.060 mi.)	B13	48
DELTA AUTO SERVICE I	1234 W COWLES ST	W 1/8 - 1/4 (0.239 mi.)	X141	382

Other Ascertainable Records

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 12/16/2019 has revealed that there are 38 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
FRONTIER ENGINEERING	800 W 16TH ST	NNE 0 - 1/8 (0.069 mi.)	H23	113

EXECUTIVE SUMMARY

EPA ID:: CAL000395225				
CHANCELLOR & OGDEN	800 W 15TH ST	NE 0 - 1/8 (0.091 mi.)	G33	151
EPA ID:: CAD980880538				
HERITAGE FINE FOODS,	825 WEST 16TH STREET	NNE 0 - 1/8 (0.092 mi.)	H38	160
EPA ID:: CAC002978294				
CITY LONG BEACH PUBL	1601 SAN FRANCISCO A	N 0 - 1/8 (0.096 mi.)	J40	162
EPA ID:: CAD981632235				
LACDPW 17TH STREET P	1601 SAN FRANCISCO A	N 0 - 1/8 (0.096 mi.)	J41	164
EPA ID:: CAL000206231				
MESA ENVIRONMENTAL S	721 W 15TH ST	NE 0 - 1/8 (0.110 mi.)	G50	177
EPA ID:: CA0000206599				
VINOTEMP INTERNATIONAL	700 W 16TH ST	NE 0 - 1/8 (0.112 mi.)	M51	179
EPA ID:: CAL000401315				
NOVA TECHNO CORPORAT	1368 OREGON AVENUE	E 1/8 - 1/4 (0.134 mi.)	O64	184
EPA ID:: CAP000147223				
NOVA TECHNO CORPORAT	1368 OREGON AVENUE	E 1/8 - 1/4 (0.134 mi.)	O66	190
EPA ID:: CAD066662503				
WARD-DEKAY TRANSPORT	707 W 16TH ST	NNE 1/8 - 1/4 (0.135 mi.)	M72	201
EPA ID:: CAD982491698				
AMC DIESEL TRUCK REP	648 W COWLES ST	ENE 1/8 - 1/4 (0.139 mi.)	K74	202
EPA ID:: CAL000377573				
Not reported	648 W COWLES ST	ENE 1/8 - 1/4 (0.139 mi.)	K77	210
EPA ID:: CAL000320723				
CITY OF LONG BEACH S	1651 SAN FRANCISCO A	N 1/8 - 1/4 (0.148 mi.)	J81	220
EPA ID:: CAL000430497				
J&P TRUCK BODY SHOP	655 W 14TH ST	E 1/8 - 1/4 (0.155 mi.)	O85	270
EPA ID:: CAL000390456				
ARAMARK UNIFORM & CA	702 W. ANAHEIM ST.	SE 1/8 - 1/4 (0.165 mi.)	Q94	292
EPA ID:: CAD982030140				
SUPREME TOWING SERVI	704 W 17TH ST	NNE 1/8 - 1/4 (0.184 mi.)	U99	305
EPA ID:: CAL000105558				
CITY TOW SERVICE	704 W 17TH ST	NNE 1/8 - 1/4 (0.184 mi.)	U100	307
EPA ID:: CAD982047722				
WESTERN ELECTROPLATI	820 W ESTHER ST	N 1/8 - 1/4 (0.196 mi.)	W113	330
EPA ID:: CAD008501215				
P & M DIESEL SERVICE	1433 DAISY AVE	E 1/8 - 1/4 (0.220 mi.)	AA122	345
EPA ID:: CAL000399954				
OCEAN BLUE ENVIRONME	925 W ESTHER ST	N 1/8 - 1/4 (0.220 mi.)	W125	348
EPA ID:: CAD983608258				
Not reported	925 W ESTHER ST	N 1/8 - 1/4 (0.220 mi.)	W128	358
EPA ID:: CAC003020418				
COLOR KING WORLD	551 W ANAHEIM ST	ESE 1/8 - 1/4 (0.235 mi.)	V132	371
EPA ID:: CAL000404545				
EXXONMOBIL OIL CORP	551 WEST ANAHEIM ST	ESE 1/8 - 1/4 (0.235 mi.)	V133	372
EPA ID:: CAD983585621				
ASHLAND INC *D	1350 DAISY AVENUE	E 1/8 - 1/4 (0.236 mi.)	V135	374

EXECUTIVE SUMMARY

EPA ID:: CAP000187138

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
G & J FORKLIFT INC EPA ID:: CAL000368620	899 W COWLES ST UNIT	NE 0 - 1/8 (0.039 mi.)	D9	21
AIR PRODUCTS AND CHE EPA ID:: CAR000001537	901 W 12TH ST	S 0 - 1/8 (0.060 mi.)	B12	45
CLARIANT CORPORATION EPA ID:: CAL000240518	801 W 14TH ST	E 0 - 1/8 (0.063 mi.)	C14	79
T R OIL SERVICES L O EPA ID:: CAD981380199	801 WEST 14TH STREET	E 0 - 1/8 (0.063 mi.)	C18	87
ENVIRONMENTAL SERVS EPA ID:: CAD069926251	716 W 14TH ST	E 0 - 1/8 (0.079 mi.)	F25	125
MULDOON MARINE SERVI EPA ID:: CAL000368361	716 W 14TH ST	E 0 - 1/8 (0.079 mi.)	F26	127
CAMIN CARGO CONTROL EPA ID:: CAL000402689	729 W ANAHEIM ST STE	SE 0 - 1/8 (0.085 mi.)	E31	149
JV AUTO BODY REPAIR EPA ID:: CAL000435805	721 W 14TH ST UNIT B	E 0 - 1/8 (0.093 mi.)	F39	161
Not reported EPA ID:: CAL000447014	1120 DE FOREST AVE	S 1/8 - 1/4 (0.165 mi.)	S91	286
LACDPW CERRITOS PP EPA ID:: CAL000220061	1100 DE FOREST AVE	S 1/8 - 1/4 (0.195 mi.)	S110	325
SO CAL EDISON DAISY EPA ID:: CAD983615618	1700 OREGON ST	NNE 1/8 - 1/4 (0.213 mi.)	U119	342
NOIL USA INC DBA NOI EPA ID:: CAL000433606	1234 COWLES ST	W 1/8 - 1/4 (0.239 mi.)	X140	380
GAYLORD INSPECTION L EPA ID:: CAD028413250	1243 W COWLES	WNW 1/8 - 1/4 (0.243 mi.)	X148	417
NEILL AIRCRAFT COMPA EPA ID:: CAD982462657	1260 W 15TH ST	WNW 1/8 - 1/4 (0.248 mi.)	X151	419

CA Cortese: The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

A review of the CA Cortese list, as provided by EDR, and dated 12/18/2019 has revealed that there are 6 CA Cortese sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
DOUGLAS PRODUCE Cleanup Status: OPEN - SITE ASSESSMENT	648 COWLES ST	ENE 1/8 - 1/4 (0.139 mi.)	K75	203
GAS STATION Cleanup Status: OPEN - SITE ASSESSMENT	490 ANAHEIM ST W	ESE 1/4 - 1/2 (0.321 mi.)	163	482
FORMER ROCKET STATIO Cleanup Status: OPEN - SITE ASSESSMENT	465 PACIFIC COAST HW	NE 1/4 - 1/2 (0.430 mi.)	AK182	534
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
FORMER CLARIANT CORP	801 W 14TH ST	E 0 - 1/8 (0.063 mi.)	C17	81

EXECUTIVE SUMMARY

Cleanup Status: OPEN - SITE ASSESSMENT

GEORGE MITCHEL 1326 012TH ST W WSW 1/4 - 1/2 (0.297 mi.) AD158 463

Cleanup Status: OPEN - SITE ASSESSMENT

I-CHEM INTERNATIONAL 1455 16TH ST. W. WNW 1/4 - 1/2 (0.437 mi.) 186 545

Cleanup Status: OPEN - SITE ASSESSMENT

CA DRYCLEANERS: A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaners' agents; linen supply; coin-operated laundries and cleaning; drycleaning plants except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

A review of the CA DRYCLEANERS list, as provided by EDR, has revealed that there is 1 CA DRYCLEANERS site within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SUN HARDWARE CO, INC Database: DRYCLEANERS, Date of Government Version: 12/04/2019 EPA Id: CAL000115673	635 W 15TH ST	NE 1/8 - 1/4 (0.171 mi.)	P97	304

CA HIST CORTESE: The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

A review of the CA HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there are 26 CA HIST CORTESE sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
BKK CORP Reg Id: 908130570	0800 W 15TH ST	NE 0 - 1/8 (0.091 mi.)	G34	153
DOUGLAS PRODUCE Reg Id: 908130325	648 COWLES ST	ENE 1/8 - 1/4 (0.139 mi.)	K78	211
PUBLIC SERVICE YARD Reg Id: 908130607	1725 SAN FRANCISCO A	N 1/8 - 1/4 (0.191 mi.)	W107	320
R & M ENTERPRISES Reg Id: 908130243	1501 DAISY AVE	ENE 1/8 - 1/4 (0.212 mi.)	Y118	339
DIAMOND U PRODUCTS, Reg Id: 013191-01	1429 MAGNOLIA AVE	ENE 1/4 - 1/2 (0.279 mi.)	155	451
HARBOR DIESEL & EQUI Reg Id: 908130125	0537 W ANAHEIM ST	ESE 1/4 - 1/2 (0.282 mi.)	AC156	454
BULK TERMINAL Reg Id: 908130061	960 DE FOREST AVE	S 1/4 - 1/2 (0.333 mi.)	AF167	492
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
VEHICLE TOW YARD Reg Id: 908130498	901 ANAHEIM	SE 0 - 1/8 (0.006 mi.)	3	14
THE FOOD BANK OF SOU	1444 SAN FRANCISCO	ENE 0 - 1/8 (0.018 mi.)	C8	18

EXECUTIVE SUMMARY

Reg Id: 908130216				
T R OIL SERVICES L O	801 WEST 14TH STREET	E 0 - 1/8 (0.063 mi.)	C18	87
Reg Id: 9080130407				
DOUGLAS ROBINSON PRO	718 ANAHEIM	SE 0 - 1/8 (0.114 mi.)	N53	180
Reg Id: 908130252				
ASSOCIATED BREWERS D	615 017TH ST W	NE 1/4 - 1/2 (0.254 mi.)	AB153	444
Reg Id: 908130461				
GOODWILL INDUSTRIES	800 PACIFIC COAST HW	NNE 1/4 - 1/2 (0.255 mi.)	154	448
Reg Id: 908061070				
GEORGE MITCHEL	1326 012TH ST W	WSW 1/4 - 1/2 (0.297 mi.)	AD158	463
Reg Id: 908130043				
LA MIRAGE INN	701 PACIFIC COAST HW	NNE 1/4 - 1/2 (0.315 mi.)	161	479
Reg Id: 908060089				
ACME OIL CO (MCMULLE	1305 016TH	NW 1/4 - 1/2 (0.318 mi.)	AE162	482
Reg Id: 908130189				
GOODYEAR	1350 12TH	WSW 1/4 - 1/2 (0.332 mi.)	AD166	491
Reg Id: 2471				
NATIONAL PLANT SERVI	1364 016TH	WNW 1/4 - 1/2 (0.358 mi.)	AG169	497
Reg Id: 908130143				
SANTA FE PACIFIC PIP	DE FOREST AVE	S 1/4 - 1/2 (0.379 mi.)	AF173	507
Reg Id: 123091-41				
HYDRO SERVICES CO	1322 17TH ST	NW 1/4 - 1/2 (0.381 mi.)	AH174	509
Reg Id: 908130516				
BRANNEN PIPE & SUPPL	1650 HARBOR AVE	WNW 1/4 - 1/2 (0.382 mi.)	AG175	511
Reg Id: 908130416				
RUSSELL TRUCK COMPAN	1430 011TH ST W	WSW 1/4 - 1/2 (0.409 mi.)	178	516
Reg Id: 908130098				
COMMERCIAL TRUCK BOD	1468 014TH	W 1/4 - 1/2 (0.433 mi.)	AJ184	543
Reg Id: 908130089				
ROCKET #6	465 PACIFIC COAST	NE 1/4 - 1/2 (0.435 mi.)	AK185	544
Reg Id: 908061052				
76 PRODUCTS STATION	1410 PACIFIC COAST	NW 1/4 - 1/2 (0.488 mi.)	AN191	562
Reg Id: 907440252				
TEXACO SERVICE STATI	340 PACIFIC COAST	NE 1/4 - 1/2 (0.491 mi.)	193	563
Reg Id: 908060034				

CA HWP: Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

A review of the CA HWP list, as provided by EDR, and dated 02/18/2020 has revealed that there are 2 CA HWP sites within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
OCEAN BLUE ENVIRONME	925 W ESTHER ST	N 1/8 - 1/4 (0.220 mi.)	W124	346
EPA Id: CAT080029952				
Cleanup Status: CLOSED				
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CROSBY & OVERTON	1630 W. 17TH STREET	WNW 1/2 - 1 (0.624 mi.)	AP204	594

EXECUTIVE SUMMARY

EPA Id: CAD028409019
Cleanup Status: OPERATING PERMIT

CA HWT: A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

A review of the CA HWT list, as provided by EDR, and dated 01/06/2020 has revealed that there is 1 CA HWT site within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
OCEAN BLUE ENVIRONME Reg Num: 3354	925 WEST ESTHER STRE	N 1/8 - 1/4 (0.220 mi.)	W126	351

CA MWMP: The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

A review of the CA MWMP list, as provided by EDR, and dated 11/22/2019 has revealed that there is 1 CA MWMP site within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
OCEAN BLUE ENVIRONME Registration Number: 3354	925 W ESTHER ST	N 1/8 - 1/4 (0.220 mi.)	W124	346

CA NPDES: A listing of NPDES permits, including stormwater.

A review of the CA NPDES list, as provided by EDR, and dated 02/10/2020 has revealed that there is 1 CA NPDES site within approximately 0.001 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ANAHEIM ST AND SAN F	BETWEEN 14TH ST AND	0 - 1/8 (0.000 mi.)	A1	9

CA CIWQS: The California Integrated Water Quality System (CIWQS) is a computer system used by the State and Regional Water Quality Control Boards to track information about places of environmental interest, manage permits and other orders, track inspections, and manage violations and enforcement activities.

A review of the CA CIWQS list, as provided by EDR, and dated 12/03/2019 has revealed that there is 1 CA CIWQS site within approximately 0.001 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ANAHEIM ST AND SAN F	BETWEEN 14TH ST AND	0 - 1/8 (0.000 mi.)	A1	9

EXECUTIVE SUMMARY

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

A review of the EDR MGP list, as provided by EDR, has revealed that there is 1 EDR MGP site within approximately 1 mile of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
EDISON/LONG BEACH MG	LG BEACH AREA, 8TH I	WSW 1/2 - 1 (0.891 mi.)	213	858

EDR Hist Auto: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR Hist Auto list, as provided by EDR, has revealed that there are 5 EDR Hist Auto sites within approximately 0.125 miles of the target property.

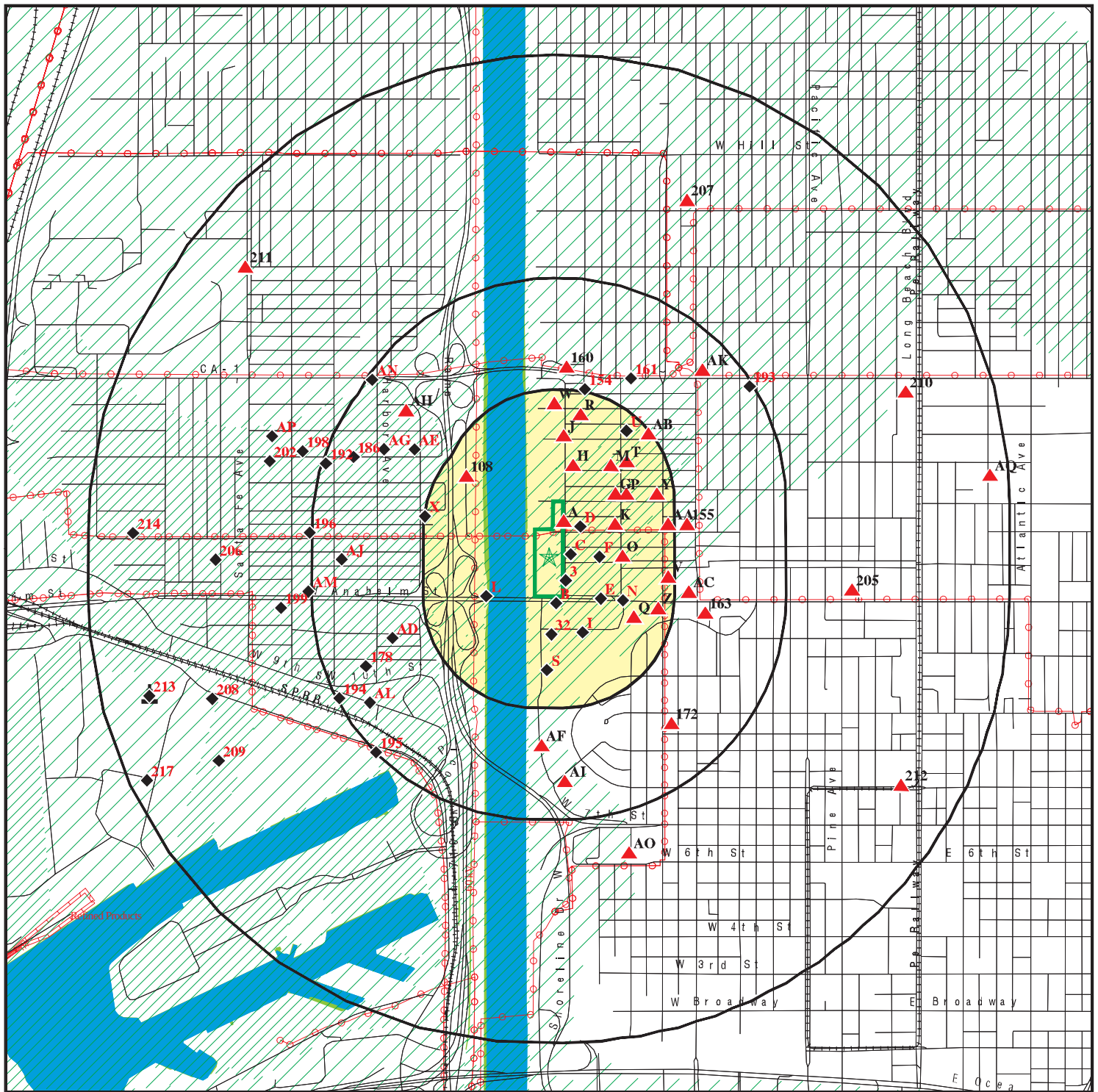
<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
BAY VIEW PRODUCE INC	845 W 16TH ST	NNE 0 - 1/8 (0.085 mi.)	H29	129
SELF ENTERPRISES INC	711 W 15TH ST	NE 0 - 1/8 (0.116 mi.)	G55	181
CITY TOW SERVICE & G	1630 SAN FRANCISCO	N 0 - 1/8 (0.121 mi.)	J61	183
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ALBERTSON TIRE CO IN	708 W 14TH ST	E 0 - 1/8 (0.100 mi.)	F43	171
SIFTON A D	949 W ANAHEIM ST	WSW 0 - 1/8 (0.109 mi.)	L49	177

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 11 records.

<u>Site Name</u>	<u>Database(s)</u>
ANAHEIM STREET PROPERTY	CA RGA LUST CA CDL CA CDL CA DRYCLEANERS CA SWF/LF CA LUST CA CPS-SLIC CA CPS-SLIC CA CPS-SLIC CA CPS-SLIC CA CPS-SLIC
HOUSEMAN ENTERPRISE	
PUBLIC SERVICE TRANSFER STATION #1	
ARATEX SERVICES (ARAMARK)	
GLENN E. THOMAS AUTO (FORMER)	
STATEWIDE BUSINESS PARK	
WILMINGTON TOWN LOT #369, 371, 372	
ACTA SOUTH - PCH GRADE SEPARATION	
ACTA PARCEL PCH-1542	

OVERVIEW MAP - 06052641.2R



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites

Indian Reservations BIA

Power transmission lines

Pipelines

Special Flood Hazard Area (1%)

0.2% Annual Chance Flood Hazard

National Wetland Inventory

State Wetlands

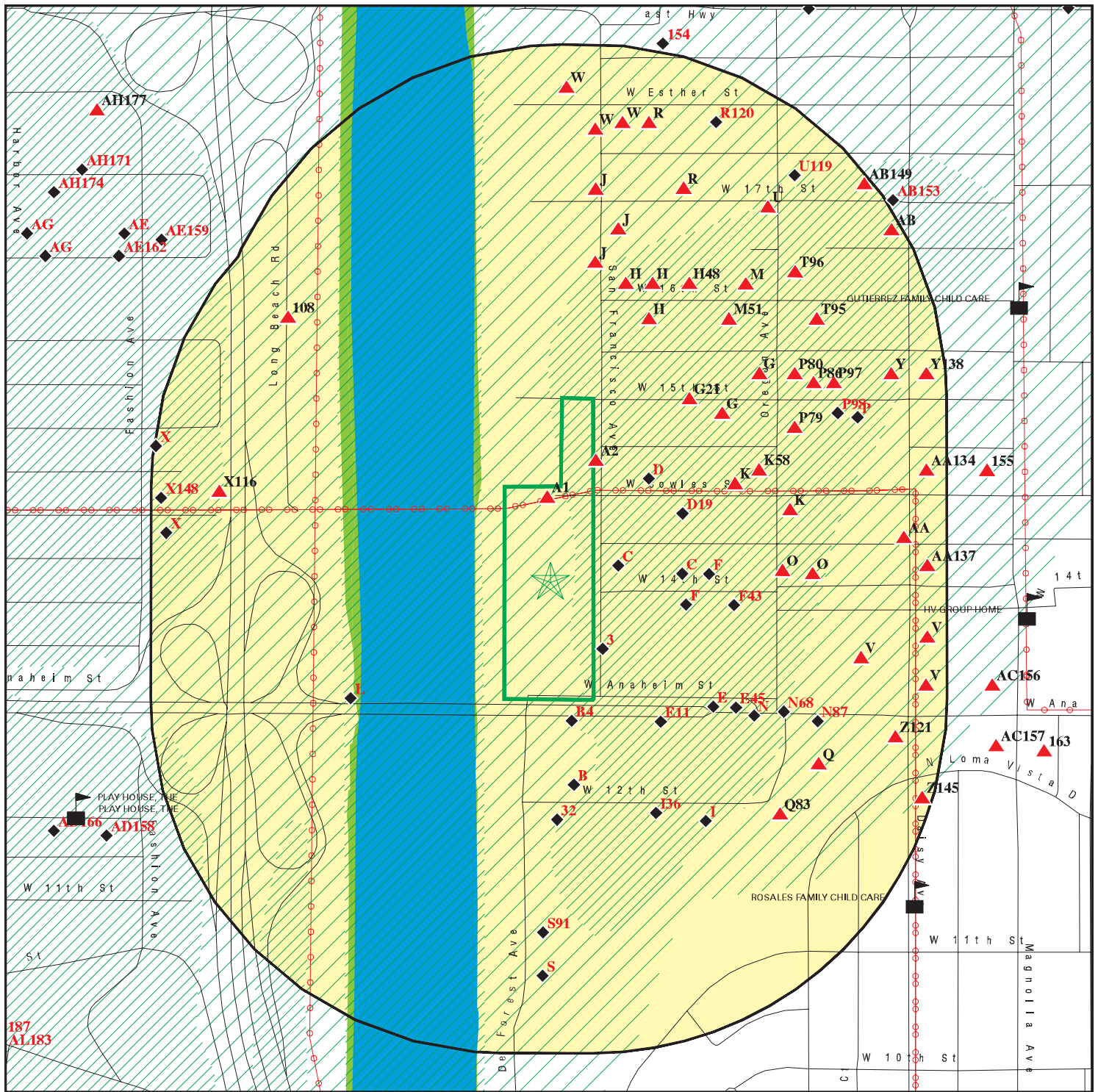
Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: 929 West Anaheim Street &
ADDRESS: 1401 San Francisco Avenue
Long Beach CA 90813
LAT/LONG: 33.783998 / 118.203777

CLIENT: SCS Engineers
CONTACT: Kim Braun
INQUIRY #: 06052641.2r
DATE: April 29, 2020 3:49 pm

DETAIL MAP - 06052641.2R



MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
<i>Federal NPL site list</i>								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
<i>Federal Delisted NPL site list</i>								
Delisted NPL	1.000		0	0	0	0	NR	0
<i>Federal CERCLIS list</i>								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	1	0	NR	NR	1
<i>Federal CERCLIS NFRAP site list</i>								
SEMS-ARCHIVE	0.500		1	1	4	NR	NR	6
<i>Federal RCRA CORRACTS facilities list</i>								
CORRACTS	1.000		0	0	0	1	NR	1
<i>Federal RCRA non-CORRACTS TSD facilities list</i>								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
<i>Federal RCRA generators list</i>								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		2	6	NR	NR	NR	8
RCRA-VSQG	0.250		0	0	NR	NR	NR	0
<i>Federal institutional controls / engineering controls registries</i>								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROLS	0.500		0	0	0	NR	NR	0
<i>Federal ERNS list</i>								
ERNS	0.001		0	NR	NR	NR	NR	0
<i>State- and tribal - equivalent NPL</i>								
CA RESPONSE	1.000		0	0	0	0	NR	0
<i>State- and tribal - equivalent CERCLIS</i>								
CA ENVIROSTOR	1.000		0	1	0	20	NR	21
<i>State and tribal landfill and/or solid waste disposal site lists</i>								
CA SWF/LF	0.500		1	1	0	NR	NR	2
<i>State and tribal leaking storage tank lists</i>								
CA LUST	0.500		6	7	25	NR	NR	38

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
INDIAN LUST	0.500		0	0	0	NR	NR	0
CA CPS-SLIC	0.500		3	4	8	NR	NR	15
State and tribal registered storage tank lists								
FEMA UST	0.250		0	0	NR	NR	NR	0
CA UST	0.250		18	33	NR	NR	NR	51
CA AST	0.250		1	0	NR	NR	NR	1
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal voluntary cleanup sites								
CA VCP	0.500		0	0	0	NR	NR	0
INDIAN VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
CA BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
CA WMUDS/SWAT	0.500		0	0	0	NR	NR	0
CA SWRCY	0.500		0	0	0	NR	NR	0
CA HAULERS	0.001		0	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
CA AOCONCERN	1.000		0	0	0	0	NR	0
US HIST CDL	0.001		0	NR	NR	NR	NR	0
CA HIST Cal-Sites	1.000		0	0	0	0	NR	0
CA SCH	0.250		0	0	NR	NR	NR	0
CA CDL	0.001		0	NR	NR	NR	NR	0
CA Toxic Pits	1.000		0	0	0	0	NR	0
CA CERS HAZ WASTE	0.250		6	12	NR	NR	NR	18
US CDL	0.001		0	NR	NR	NR	NR	0
CA PFAS	0.500		0	0	0	NR	NR	0
Local Lists of Registered Storage Tanks								
CA SWEEPS UST	0.250		4	4	NR	NR	NR	8
CA HIST UST	0.250		5	3	NR	NR	NR	8
CA FID UST	0.250		4	4	NR	NR	NR	8
CA CERS TANKS	0.250		1	1	NR	NR	NR	2
Local Land Records								
CA LIENS	0.001		0	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
LIENS 2	0.001		0	NR	NR	NR	NR	0
CA DEED	0.500		0	0	0	NR	NR	0
Records of Emergency Release Reports								
HMIRS	0.001		0	NR	NR	NR	NR	0
CA CHMIRS	0.001		0	NR	NR	NR	NR	0
CA LDS	0.001		0	NR	NR	NR	NR	0
CA MCS	0.001		0	NR	NR	NR	NR	0
CA SPILLS 90	0.001		0	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		15	23	NR	NR	NR	38
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	0.001		0	NR	NR	NR	NR	0
EPA WATCH LIST	0.001		0	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	0.001		0	NR	NR	NR	NR	0
TRIS	0.001		0	NR	NR	NR	NR	0
SSTS	0.001		0	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	0.001		0	NR	NR	NR	NR	0
RAATS	0.001		0	NR	NR	NR	NR	0
PRP	0.001		0	NR	NR	NR	NR	0
PADS	0.001		0	NR	NR	NR	NR	0
ICIS	0.001		0	NR	NR	NR	NR	0
FTTS	0.001		0	NR	NR	NR	NR	0
MLTS	0.001		0	NR	NR	NR	NR	0
COAL ASH DOE	0.001		0	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	0.001		0	NR	NR	NR	NR	0
RADINFO	0.001		0	NR	NR	NR	NR	0
HIST FTTS	0.001		0	NR	NR	NR	NR	0
DOT OPS	0.001		0	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	0.001		0	NR	NR	NR	NR	0
US AIRS	0.001		0	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	0.001		0	NR	NR	NR	NR	0
ECHO	0.001		0	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
DOCKET HWC	0.001		0	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
CA Cortese	0.500		1	1	4	NR	NR	6
CA CUPA Listings	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
CA DRYCLEANERS	0.250		0	1	NR	NR	NR	1
CA EMI	0.001		0	NR	NR	NR	NR	0
CA ENF	0.001		0	NR	NR	NR	NR	0
CA Financial Assurance	0.001		0	NR	NR	NR	NR	0
CA HAZNET	0.001		0	NR	NR	NR	NR	0
CA ICE	0.001		0	NR	NR	NR	NR	0
CA HIST CORTESE	0.500		5	3	18	NR	NR	26
CA LOS ANGELES CO. HMS	0.001		0	NR	NR	NR	NR	0
CA HWP	1.000		0	1	0	1	NR	2
CA HWT	0.250		0	1	NR	NR	NR	1
WI MANIFEST	0.250		0	0	NR	NR	NR	0
CA MINES	0.250		0	0	NR	NR	NR	0
CA MWMP	0.250		0	1	NR	NR	NR	1
CA NPDES	0.001		1	NR	NR	NR	NR	1
CA PEST LIC	0.001		0	NR	NR	NR	NR	0
CA PROC	0.500		0	0	0	NR	NR	0
CA Notify 65	1.000		0	0	0	0	NR	0
LA Co. Site Mitigation	0.001		0	NR	NR	NR	NR	0
CA UIC	0.001		0	NR	NR	NR	NR	0
CA UIC GEO	0.001		0	NR	NR	NR	NR	0
CA WASTEWATER PITS	0.500		0	0	0	NR	NR	0
CA WDS	0.001		0	NR	NR	NR	NR	0
CA WIP	0.250		0	0	NR	NR	NR	0
CA MILITARY PRIV SITES	0.001		0	NR	NR	NR	NR	0
CA PROJECT	0.001		0	NR	NR	NR	NR	0
CA WDR	0.001		0	NR	NR	NR	NR	0
CA CIWQS	0.001		1	NR	NR	NR	NR	1
CA CERS	0.001		0	NR	NR	NR	NR	0
CA NON-CASE INFO	0.001		0	NR	NR	NR	NR	0
CA OTHER OIL GAS	0.001		0	NR	NR	NR	NR	0
CA PROD WATER PONDS	0.001		0	NR	NR	NR	NR	0
CA SAMPLING POINT	0.001		0	NR	NR	NR	NR	0
CA WELL STIM PROJ	0.001		0	NR	NR	NR	NR	0
CA LOS ANGELES CO LF M	0.001		0	0	0	NR	NR	0
CA HWTS	TP		NR	NR	NR	NR	NR	0
MINES MRDS	0.001		0	NR	NR	NR	NR	0

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	1.000		0	0	0	1	NR	1
EDR Hist Auto	0.125		5	NR	NR	NR	NR	5
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

CA RGA LF	0.001		0	NR	NR	NR	NR	0
CA RGA LUST	0.001		0	NR	NR	NR	NR	0

- Totals --		0	80	109	59	23	0	271
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MAP FINDINGS SUMMARY

<u>Database</u>	<u>Search Distance (Miles)</u>	<u>Target Property</u>	<u>< 1/8</u>	<u>1/8 - 1/4</u>	<u>1/4 - 1/2</u>	<u>1/2 - 1</u>	<u>> 1</u>	<u>Total Plotted</u>
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NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

A1
< 1/8
1 ft.

**ANAHEIM ST AND SAN FRANCISCO AVE
BETWEEN 14TH ST AND 15TH ST
LONG BEACH, CA 90813**

CA NPDES
CA CIWQS

S112241591
N/A

Site 1 of 2 in cluster A

Relative:
Higher
Actual:
14 ft.

NPDES:
Name: ANAHEIM ST AND SAN FRANCISCO AVE
Address: BETWEEN 14TH ST AND 15TH ST
City,State,Zip: LONG BEACH, CA 90813
Facility Status: Not reported
NPDES Number: Not reported
Region: Not reported
Agency Number: Not reported
Regulatory Measure ID: Not reported
Place ID: Not reported
Order Number: Not reported
WDID: 4 19C364797
Regulatory Measure Type: Construction
Program Type: Not reported
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported
Expiration Date Of Regulatory Measure: Not reported
Discharge Address: Not reported
Discharge Name: Not reported
Discharge City: Not reported
Discharge State: Not reported
Discharge Zip: Not reported
Status: Terminated
Status Date: 11/18/2015
Operator Name: San Francisco Yard LLC
Operator Address: 100 Bayview Circle Suite 310
Operator City: Newport Beach
Operator State: California
Operator Zip: 92600

NPDES as of 03/2018:
NPDES Number: CAS000002
Status: Terminated
Agency Number: 0
Region: 4
Regulatory Measure ID: 431719
Order Number: 2009-0009-DWQ
Regulatory Measure Type: Enrollee
Place ID: Not reported
WDID: 4 19C364797
Program Type: Construction
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: 10/12/2012
Expiration Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: 11/04/2015
Discharge Name: San Francisco Yard LLC
Discharge Address: 100 Bayview Circle Suite 310
Discharge City: Newport Beach
Discharge State: California
Discharge Zip: 92600
Received Date: Not reported
Processed Date: Not reported
Status: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANAHEIM ST AND SAN FRANCISCO AVE (Continued)

S112241591

Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commercial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANAHEIM ST AND SAN FRANCISCO AVE (Continued)

S112241591

Region: 4
Regulatory Measure ID: 431719
Order Number: Not reported
Regulatory Measure Type: Construction
Place ID: Not reported
WDID: 4 19C364797
Program Type: Not reported
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: Not reported
Expiration Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: 11/04/2015
Discharge Name: Not reported
Discharge Address: Not reported
Discharge City: Not reported
Discharge State: Not reported
Discharge Zip: Not reported
Received Date: 10/04/2012
Processed Date: 10/12/2012
Status: Terminated
Status Date: 11/18/2015
Place Size: 5.3
Place Size Unit: Acres
Contact: Matt Englhard
Contact Title: Not reported
Contact Phone: 949-509-5000
Contact Phone Ext: Not reported
Contact Email: menglhard@alerellc.com
Operator Name: San Francisco Yard LLC
Operator Address: 100 Bayview Circle Suite 310
Operator City: Newport Beach
Operator State: California
Operator Zip: 92600
Operator Contact: Matt Englhard
Operator Contact Title: Not reported
Operator Contact Phone: 949-509-5000
Operator Contact Phone Ext: Not reported
Operator Contact Email: menglhard@alerellc.com
Operator Type: Private Business
Developer: San Francisco Yard LLC
Developer Address: 100 Bayview Circle Suite 310
Developer City: Newport Beach
Developer State: California
Developer Zip: 92600
Developer Contact: Matt Englhard
Developer Contact Title: Not reported
Constype Linear Utility Ind: N
Emergency Phone: Not reported
Emergency Phone Ext: Not reported
Constype Above Ground Ind: N
Constype Below Ground Ind: N
Constype Cable Line Ind: N
Constype Comm Line Ind: N
Constype Commercial Ind: N
Constype Electrical Line Ind: N
Constype Gas Line Ind: N
Constype Industrial Ind: Y
Constype Other Description: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANAHEIM ST AND SAN FRANCISCO AVE (Continued)

S112241591

Constype Other Ind: N
Constype Recons Ind: N
Constype Residential Ind: N
Constype Transport Ind: N
Constype Utility Description: Not reported
Constype Utility Ind: N
Constype Water Sewer Ind: N
Dir Discharge Uswater Ind: N
Receiving Water Name: Not reported
Certifier: Matt Enghard
Certifier Title: Vice President
Certification Date: 04-OCT-12
Primary Sic: Not reported
Secondary Sic: Not reported
Tertiary Sic: Not reported

CIWQS:

Name: ANAHEIM ST AND SAN FRANCISCO AVE
Address: BETWEEN 14TH ST AND 15TH ST
City,State,Zip: LONG BEACH, CA 90813
Agency: San Francisco Yard LLC
Agency Address: 100 Bayview Circle Suite 310, Newport Beach, CA 92600
Place/Project Type: Construction - Industrial
SIC/NAICS: Not reported
Region: 4
Program: CONSTW
Regulatory Measure Status: Terminated
Regulatory Measure Type: Storm water construction
Order Number: 2009-0009-DWQ
WDID: 4 19C364797
NPDES Number: CAS000002
Adoption Date: Not reported
Effective Date: 10/12/2012
Termination Date: 11/04/2015
Expiration/Review Date: Not reported
Design Flow: Not reported
Major/Minor: Not reported
Complexity: Not reported
TTWQ: Not reported
Enforcement Actions within 5 years: 0
Violations within 5 years: 0
Latitude: 33.784852
Longitude: -118.203814

A2 LONG BEACH TESTING LAB CITY OF
NNE 1475 SAN FRANCISCO AVE
< 1/8 LONG BEACH, CA 90813
0.002 mi.
10 ft. Site 2 of 2 in cluster A

RCRA-SQG 1000231634
FINDS CAD981972201
ECHO

Relative:
Higher

RCRA-SQG:

Actual:
13 ft.

Date form received by agency: 1987-05-12 00:00:00.0
Facility name: LONG BEACH TESTING LAB CITY OF
Facility address: 1475 SAN FRANCISCO AVE
LONG BEACH, CA 90813
EPA ID: CAD981972201

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LONG BEACH TESTING LAB CITY OF (Continued)

1000231634

Mailing address: SAN FRANCISCO AVE
LONG BEACH, CA 90813
Contact: ENVIRONMENTAL MANAGER
Contact address: 1475 SAN FRANCISCO AVE
LONG BEACH, CA 90813
Contact country: US
Contact telephone: 213-436-4784
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Municipal
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: LONG BEACH CITY OF
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Municipal
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LONG BEACH TESTING LAB CITY OF (Continued)

1000231634

Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002760502
Facility URL: http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110002760502

Environmental Interest/Information System:

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1000231634
Registry ID: 110002760502
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110002760502>
Name: LONG BEACH TESTING LAB CITY OF
Address: 1475 SAN FRANCISCO AVE
City,State,Zip: LONG BEACH, CA 90813

3
SE
< 1/8
0.006 mi.
34 ft.

VEHICLE TOW YARD
901 ANAHEIM
LONG BEACH, CA

CA HIST CORTESE **S102440864**
N/A

Relative:
Lower
Actual:
11 ft.

HIST CORTESE:
edr_fname: VEHICLE TOW YARD
edr_fadd1: 901 ANAHEIM
City,State,Zip: LONG BEACH, CA
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 908130498

B4
South
< 1/8
0.015 mi.
79 ft.

0824 W ANAHEIM ST
LONG BEACH, CA
Site 1 of 3 in cluster B

CA UST **U003919747**
N/A

Relative:
Lower
Actual:
11 ft.

LONG BEACH UST:
DATA AS OF 02/25/2014:
Name: Not reported
Address: 0824 W ANAHEIM ST
City,State,Zip: LONG BEACH, CA
Region: LONG BEACH

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

U003919747

Tanks: 1F
Tank Test: Not reported
Leak Test: Not reported
Tank Status: Not reported

C5
ENE
< 1/8
0.018 mi.
93 ft.

THE FOODBANK OF SOUTHERN CALIFORNIA
1444 SAN FRANCISCO AVE
LONG BEACH, CA

CA UST U003661404
N/A

Site 1 of 10 in cluster C

Relative:
Lower

LONG BEACH UST:

Actual:
12 ft.

DATA AS OF 02/25/2014:

Name: THE FOODBANK OF SOUTHERN CALIFORNIA
Address: 1444 SAN FRANCISCO AVE
City,State,Zip: LONG BEACH, CA
Region: LONG BEACH
Tanks: 0T
Tank Test: Not reported
Leak Test: Not reported
Tank Status: Not reported

C6
ENE
< 1/8
0.018 mi.
93 ft.

LONG BEACH FOOD BANK
1444 SAN FRANCISCO
LONG BEACH, CA 90813

CA HIST UST U001566307
N/A

Site 2 of 10 in cluster C

Relative:
Lower

HIST UST:

Actual:
12 ft.

Name: LONG BEACH FOOD BANK
Address: 1444 SAN FRANCISCO
City,State,Zip: LONG BEACH, CA 90813
File Number: 00027641
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00027641.pdf>
Region: STATE
Facility ID: 00000050642
Facility Type: Other
Other Type: NON-PROFIT FOOD DIST
Contact Name: Not reported
Telephone: 2134353577
Owner Name: LONG BEACH FOOD BANK
Owner Address: 1444 SAN FRANCISCO
Owner City,St,Zip: LONG BEACH, CA 90813
Total Tanks: 0004

Tank Num: 001
Container Num: 1
Year Installed: Not reported
Tank Capacity: 00001000
Tank Used for: Not reported
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Visual

Tank Num: 002
Container Num: 2

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LONG BEACH FOOD BANK (Continued)

U001566307

Year Installed: Not reported
Tank Capacity: 00004000
Tank Used for: Not reported
Type of Fuel: 06
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 003
Container Num: 3
Year Installed: Not reported
Tank Capacity: 00000000
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 004
Container Num: 4
Year Installed: Not reported
Tank Capacity: 00005000
Tank Used for: Not reported
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: None

[Click here for Geo Tracker PDF:](#)

C7
ENE
< 1/8
0.018 mi.
93 ft.

LONG BEACH FOOD BANK
1444 SAN FRANCISCO
LONG BEACH, CA 90813

CA SWEEPS UST
CA FID UST

S101618209
N/A

Site 3 of 10 in cluster C

Relative:
Lower

SWEEPS UST:

Actual:
12 ft.

Name: LONG BEACH FOOD BANK
Address: 1444 SAN FRANCISCO
City: LONG BEACH
Status: Active
Comp Number: 50642
Number: 9
Board Of Equalization: Not reported
Referral Date: 07-01-85
Action Date: Not reported
Created Date: 02-29-88
Owner Tank Id: 1
SWRCB Tank Id: 19-060-050642-000001
Tank Status: A
Capacity: 1000
Active Date: 07-01-85
Tank Use: UNKNOWN
STG: P
Content: Not reported
Number Of Tanks: 4

Name: LONG BEACH FOOD BANK
Address: 1444 SAN FRANCISCO
City: LONG BEACH
Status: Active

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LONG BEACH FOOD BANK (Continued)

S101618209

Comp Number: 50642
Number: 9
Board Of Equalization: Not reported
Referral Date: 07-01-85
Action Date: Not reported
Created Date: 02-29-88
Owner Tank Id: 2
SWRCB Tank Id: 19-060-050642-000002
Tank Status: A
Capacity: 4000
Active Date: 07-01-85
Tank Use: UNKNOWN
STG: P
Content: Not reported
Number Of Tanks: Not reported

Name: LONG BEACH FOOD BANK
Address: 1444 SAN FRANCISCO
City: LONG BEACH
Status: Active
Comp Number: 50642
Number: 9
Board Of Equalization: Not reported
Referral Date: 07-01-85
Action Date: Not reported
Created Date: 02-29-88
Owner Tank Id: 3
SWRCB Tank Id: 19-060-050642-000003
Tank Status: A
Capacity: Not reported
Active Date: 07-01-85
Tank Use: OIL
STG: W
Content: WASTE OIL
Number Of Tanks: Not reported

Name: LONG BEACH FOOD BANK
Address: 1444 SAN FRANCISCO
City: LONG BEACH
Status: Active
Comp Number: 50642
Number: 9
Board Of Equalization: Not reported
Referral Date: 07-01-85
Action Date: Not reported
Created Date: 02-29-88
Owner Tank Id: 4
SWRCB Tank Id: 19-060-050642-000004
Tank Status: A
Capacity: 5000
Active Date: 07-01-85
Tank Use: UNKNOWN
STG: P
Content: Not reported
Number Of Tanks: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LONG BEACH FOOD BANK (Continued)

S101618209

CA FID UST:

Facility ID: 19003077
Regulated By: UTNKA
Regulated ID: 00050642
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 2134353577
Mail To: Not reported
Mailing Address: 1444 SAN FRANCISCO
Mailing Address 2: Not reported
Mailing City,St,Zip: LONG BEACH 90813
Contact: Not reported
Contact Phone: Not reported
DUNS Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

C8
ENE
< 1/8
0.018 mi.
93 ft.

THE FOOD BANK OF SOUTHERN
1444 SAN FRANCISCO
LONG BEACH, CA 90813

CA LUST
CA HIST CORTESE
CA CERS

S101296789
N/A

Site 4 of 10 in cluster C

Relative:
Lower

Actual:
12 ft.

LUST:

Name: THE FOOD BANK OF SOUTHERN CA
Address: 1444 SAN FRANCISCO ST
City,State,Zip: LONG BEACH, CA 90813
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603701935
Global Id: T0603701935
Latitude: 33.7847277
Longitude: -118.2030013
Status: Completed - Case Closed
Status Date: 07/22/1996
Case Worker: YR
RB Case Number: 908130216
Local Agency: LONG BEACH, CITY OF
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Benzene
Site History: Not reported

LUST:

Global Id: T0603701935
Contact Type: Local Agency Caseworker
Contact Name: CARMEN PIRO
Organization Name: LONG BEACH, CITY OF
Address: 2525 GRAND AVE.
City: LONG BEACH
Email: carmen.piro@longbeach.gov
Phone Number: 5625704137

Global Id: T0603701935
Contact Type: Regional Board Caseworker

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE FOOD BANK OF SOUTHERN (Continued)

S101296789

Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

LUST:

Global Id: T0603701935
Action Type: Other
Date: 10/08/1990
Action: Leak Reported

LUST:

Global Id: T0603701935
Status: Open - Case Begin Date
Status Date: 10/08/1990

Global Id: T0603701935
Status: Open - Site Assessment
Status Date: 10/08/1990

Global Id: T0603701935
Status: Open - Site Assessment
Status Date: 04/30/1993

Global Id: T0603701935
Status: Completed - Case Closed
Status Date: 07/22/1996

LUST REG 4:

Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 908130216
Status: Case Closed
Substance: Benzene
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater
Abatement Method Used at the Site: Not reported
Global ID: T0603701935
W Global ID: Not reported
Staff: UNK
Local Agency: 19060
Cross Street: Not reported
Enforcement Type: Not reported
Date Leak Discovered: Not reported
Date Leak First Reported: 10/8/1990
Date Leak Record Entered: 4/22/1991
Date Confirmation Began: 10/8/1990
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 8/22/1996
Date the Case was Closed: 7/22/1996
How Leak Discovered: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE FOOD BANK OF SOUTHERN (Continued)

S101296789

How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Operator: Not reported
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 15991.575427655345315576944023
Source of Cleanup Funding: UNK
Preliminary Site Assessment Workplan Submitted: 4/30/1993
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: Not reported
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: BLANK RP
RP Address: 1031 TAHACHEPE DR, LONG BEACH CA 90807
Program: LUST
Lat/Long: 33.7847277 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: 8/20/91-LETTER FROM LAWYER

HIST CORTESE:

edr_fname: THE FOOD BANK OF SOUTHERN
edr_fadd1: 1444 SAN FRANCISCO
City,State,Zip: LONG BEACH, CA 90813
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 908130216

CERS:

Name: THE FOOD BANK OF SOUTHERN CA
Address: 1444 SAN FRANCISCO ST
City,State,Zip: LONG BEACH, CA 90813
Site ID: 226355
CERS ID: T0603701935
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc: Local Agency Caseworker
Entity Name: CARMEN PIRO - LONG BEACH, CITY OF
Entity Title: Not reported
Affiliation Address: 2525 GRAND AVE.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE FOOD BANK OF SOUTHERN (Continued)

S101296789

Affiliation City: LONG BEACH
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 5625704137

Affiliation Type Desc: Regional Board Caseworker
Entity Name: YUE RONG - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: 320 W. 4TH ST., SUITE 200
Affiliation City: Los Angeles
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

**D9
NE
< 1/8
0.039 mi.
208 ft.**

**G & J FORKLIFT INC
899 W COWLES ST UNIT C
LONG BEACH, CA 90813**

RCRA NonGen / NLR

**1024831581
CAL000368620**

Site 1 of 3 in cluster D

**Relative:
Lower
Actual:
12 ft.**

RCRA NonGen / NLR:
Date form received by agency: 2011-10-25 00:00:00.0
Facility name: G & J FORKLIFT INC
Facility address: 899 W COWLES ST UNIT C
LONG BEACH, CA 90813-1400

EPA ID: CAL000368620
Contact: MARISOL FELIX
Contact address: 899 W COWLES ST
LONG BEACH, CA 90813

Contact country: Not reported
Contact telephone: 562-437-5438
Contact email: GJFORKLIFT@YAHOO.COM
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: G & J FORKLIFT INC
Owner/operator address: 18913 BELSHIRE AVE
CERRITOS, CA 90703

Owner/operator country: Not reported
Owner/operator telephone: 562-572-2056
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: MARISOL FELIX
Owner/operator address: 899 W COWLES ST
LONG BEACH, CA 90813
Owner/operator country: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

G & J FORKLIFT INC (Continued)

1024831581

Owner/operator telephone: 562-437-5438
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: Yes
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

**D10
NE
< 1/8
0.039 mi.
208 ft.

Relative:
Lower

Actual:
12 ft.**

**SEVEN STRAND TACKLE CORP
899 W COWLES ST
LONG BEACH, CA 90813**

Site 2 of 3 in cluster D

**RCRA-SQG 1000593513
CA CERS HAZ WASTE CAD982446585
FINDS
ECHO
CA HAZNET
CA CERS
CA HWTS**

RCRA-SQG:

Date form received by agency: 1996-09-01 00:00:00.0
Facility name: SEVEN STRAND TACKLE CORP
Facility address: 899 W COWLES ST
LONG BEACH, CA 90813
EPA ID: CAD982446585
Mailing address: W COWLES ST
LONG BEACH, CA 90813
Contact: Not reported
Contact address: Not reported
Not reported
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 09
Land type: Facility is not located on Indian land. Additional information is not known.
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SEVEN STRAND TACKLE CORP (Continued)

1000593513

Owner/Operator Summary:

Owner/operator name: BILL BUCHANAN
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

CERS HAZ WASTE:

Name: G & J FORKLIFT
Address: 899 W COWLES ST
City,State,Zip: LONG BEACH, CA 90813
Site ID: 429233
CERS ID: 10604305
CERS Description: Hazardous Waste Generator

FINDS:

Registry ID: 110002814964

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SEVEN STRAND TACKLE CORP (Continued)

1000593513

Facility URL: http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110002814964

Environmental Interest/Information System:

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1000593513
Registry ID: 110002814964
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110002814964>
Name: SEVEN STRAND TACKLE CORP
Address: 899 W COWLES ST
City,State,Zip: LONG BEACH, CA 90813

HAZNET:

Name: SEVEN STRAND TACKLE CORP
Address: 899 W COWLES ST
Address 2: Not reported
City,State,Zip: LONG BEACH, CA 908130000
Contact: LAURIE HOCKER/OFFICE MANAGER
Telephone: 5624371010
Mailing Name: Not reported
Mailing Address: 729 W 16TH STREET A4

Year: 2005
Gepaid: CAD982446585
TSD EPA ID: CAD008302903
CA Waste Code: 791 - Liquids with pH <= 2
Disposal Method: H01 - Transfer Station
Tons: 0.025

Year: 2005
Gepaid: CAD982446585
TSD EPA ID: CAD008302903
CA Waste Code: 212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method: R01 - Recycler
Tons: 1

Year: 2005
Gepaid: CAD982446585
TSD EPA ID: CAD008302903
CA Waste Code: 331 - Off-specification, aged or surplus organics
Disposal Method: R01 - Recycler
Tons: 0.5

Year: 2004
Gepaid: CAD982446585
TSD EPA ID: CAD008302903
CA Waste Code: 331 - Off-specification, aged or surplus organics
Disposal Method: R01 - Recycler

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SEVEN STRAND TACKLE CORP (Continued)

1000593513

Tons:	0.125
Year:	2004
Gepaid:	CAD982446585
TSD EPA ID:	CAD008302903
CA Waste Code:	181 - Other inorganic solid waste
Disposal Method:	H01 - Transfer Station
Tons:	0.03
Year:	2004
Gepaid:	CAD982446585
TSD EPA ID:	CAD008302903
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	H01 - Transfer Station
Tons:	0.01
Year:	2004
Gepaid:	CAD982446585
TSD EPA ID:	CAD008302903
CA Waste Code:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method:	R01 - Recycler
Tons:	0.2
Year:	2003
Gepaid:	CAD982446585
TSD EPA ID:	CAD008302903
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	R01 - Recycler
Tons:	0.38
Year:	2003
Gepaid:	CAD982446585
TSD EPA ID:	CAD008302903
CA Waste Code:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method:	R01 - Recycler
Tons:	1.518
Year:	2003
Gepaid:	CAD982446585
TSD EPA ID:	CAD008302903
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	R01 - Recycler
Tons:	0.132

[Click this hyperlink](#) while viewing on your computer to access
12 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:

Year:	2005
Gen EPA ID:	CAD982446585
Shipment Date:	20050124
Creation Date:	4/2/2005 18:30:21
Receipt Date:	20050128
Manifest ID:	23368200
Trans EPA ID:	NJD080631369

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SEVEN STRAND TACKLE CORP (Continued)

1000593513

Trans Name: ONYX ENVIRONMENTAL SVCS LLC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD008302903
Trans Name: ONYX ENVIRONMENTAL SVCS LLC
TSDf Alt EPA ID: CAD008302903
TSDf Alt Name: Not reported
CA Waste Code: 212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code: F005
Disposal Method: R01 - Recycler
Quantity Tons: 0.4
Waste Quantity: 800
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20050124
Creation Date: 4/2/2005 18:30:21
Receipt Date: 20050128
Manifest ID: 23368200
Trans EPA ID: NJD080631369
Trans Name: ONYX ENVIRONMENTAL SVCS LLC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD008302903
Trans Name: ONYX ENVIRONMENTAL SVCS LLC
TSDf Alt EPA ID: CAD008302903
TSDf Alt Name: Not reported
CA Waste Code: 791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code: D002
Disposal Method: H01 - Transfer Station
Quantity Tons: 0.025
Waste Quantity: 50
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20050124
Creation Date: 4/2/2005 18:30:21
Receipt Date: 20050128
Manifest ID: 23368200
Trans EPA ID: NJD080631369
Trans Name: ONYX ENVIRONMENTAL SVCS LLC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD008302903
Trans Name: ONYX ENVIRONMENTAL SVCS LLC
TSDf Alt EPA ID: CAD008302903
TSDf Alt Name: Not reported
CA Waste Code: 331 - Off-specification, aged, or surplus organics
RCRA Code: F003

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SEVEN STRAND TACKLE CORP (Continued)

1000593513

Disposal Method: R01 - Recycler
Quantity Tons: 0.5
Waste Quantity: 1000
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20050124
Creation Date: 4/2/2005 18:30:21
Receipt Date: 20050128
Manifest ID: 23368200
Trans EPA ID: NJD080631369
Trans Name: ONYX ENVIRONMENTAL SVCS LLC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD008302903
Trans Name: ONYX ENVIRONMENTAL SVCS LLC
TSDf Alt EPA ID: CAD008302903
TSDf Alt Name: Not reported
CA Waste Code: 212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code: F003
Disposal Method: R01 - Recycler
Quantity Tons: 0.6
Waste Quantity: 1200
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:

Year: 2003
Gen EPA ID: CAD982446585

Shipment Date: 20030925
Creation Date: 8/3/2004 15:03:33
Receipt Date: 20030925
Manifest ID: 22538708
Trans EPA ID: NJD080631369
Trans Name: ONYX ENVIRONMENTAL SVCS LLC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD008302903
Trans Name: ONYX ENVIRONMENTAL SVCS L
TSDf Alt EPA ID: CAD008302903
TSDf Alt Name: Not reported
CA Waste Code: 212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code: F003
Disposal Method: R01 - Recycler
Quantity Tons: 0.363
Waste Quantity: 110
Quantity Unit: G
Additional Code 1: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SEVEN STRAND TACKLE CORP (Continued)

1000593513

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20030925
Creation Date:	8/3/2004 15:03:33
Receipt Date:	20030925
Manifest ID:	22538708
Trans EPA ID:	NJD080631369
Trans Name:	ONYX ENVIRONMENTAL SVCS LLC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	ONYX ENVIRONMENTAL SVCS L
TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
CA Waste Code:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Disposal Method:	R01 - Recycler
Quantity Tons:	0.209
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20030911
Creation Date:	8/2/2004 9:38:39
Receipt Date:	20030919
Manifest ID:	22538443
Trans EPA ID:	NJD080631369
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Disposal Method:	R01 - Recycler
Quantity Tons:	0.132
Waste Quantity:	40
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20030911
Creation Date:	8/2/2004 9:38:39
Receipt Date:	20030919
Manifest ID:	22538443

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SEVEN STRAND TACKLE CORP (Continued)

1000593513

Trans EPA ID: NJD080631369
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD008302903
Trans Name: Not reported
TSDF Alt EPA ID: CAD008302903
TSDF Alt Name: Not reported
CA Waste Code: 221 - Waste oil and mixed oil
RCRA Code: Not reported
Disposal Method: R01 - Recycler
Quantity Tons: 0.171
Waste Quantity: 45
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20030116
Creation Date: 3/30/2003 18:31:13
Receipt Date: 20030117
Manifest ID: 22047050
Trans EPA ID: NJD080631369
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD008302903
Trans Name: Not reported
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: 212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code: F005
Disposal Method: R01 - Recycler
Quantity Tons: 1.155
Waste Quantity: 350
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:

Year: 2004
Gen EPA ID: CAD982446585

Shipment Date: Not reported
Creation Date: Not reported
Receipt Date: Not reported
Manifest ID: 23371452
Trans EPA ID: NJD080631369
Trans Name: ONYX ENVIRONMENTAL SVCS LLC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD008302903

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SEVEN STRAND TACKLE CORP (Continued)

1000593513

Trans Name:	ONYX ENVIRONMENTAL SVCS LLC
TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
CA Waste Code:	792 - Not reported
RCRA Code:	D002
Disposal Method:	- Not reported
Quantity Tons:	0.1475
Waste Quantity:	295
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	Not reported
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	23371452
Trans EPA ID:	NJD080631369
Trans Name:	ONYX ENVIRONMENTAL SVCS LLC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	ONYX ENVIRONMENTAL SVCS LLC
TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
CA Waste Code:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Disposal Method:	- Not reported
Quantity Tons:	0.02
Waste Quantity:	40
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20040331
Creation Date:	11/13/2004 18:30:21
Receipt Date:	20040407
Manifest ID:	23371452
Trans EPA ID:	NJD080631369
Trans Name:	ONYX ENVIRONMENTAL SVCS LLC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	ONYX ENVIRONMENTAL SVCS LLC
TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
CA Waste Code:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Disposal Method:	H01 - Transfer Station
Quantity Tons:	0.03
Waste Quantity:	60
Quantity Unit:	P

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SEVEN STRAND TACKLE CORP (Continued)

1000593513

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20040331
Creation Date:	11/13/2004 18:30:21
Receipt Date:	20040407
Manifest ID:	23371452
Trans EPA ID:	NJD080631369
Trans Name:	ONYX ENVIRONMENTAL SVCS LLC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	ONYX ENVIRONMENTAL SVCS LLC
TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics
RCRA Code:	F003
Disposal Method:	R01 - Recycler
Quantity Tons:	0.125
Waste Quantity:	250
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20040331
Creation Date:	11/13/2004 18:30:21
Receipt Date:	20040407
Manifest ID:	23371452
Trans EPA ID:	NJD080631369
Trans Name:	ONYX ENVIRONMENTAL SVCS LLC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	ONYX ENVIRONMENTAL SVCS LLC
TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Disposal Method:	H01 - Transfer Station
Quantity Tons:	0.01
Waste Quantity:	20
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20040331
Creation Date:	11/13/2004 18:30:21
Receipt Date:	20040407

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SEVEN STRAND TACKLE CORP (Continued)

1000593513

Manifest ID: 23371452
Trans EPA ID: NJD080631369
Trans Name: ONYX ENVIRONMENTAL SVCS LLC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD008302903
Trans Name: ONYX ENVIRONMENTAL SVCS LLC
TSDF Alt EPA ID: CAD008302903
TSDF Alt Name: Not reported
CA Waste Code: 212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code: F005
Disposal Method: R01 - Recycler
Quantity Tons: 0.2
Waste Quantity: 400
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:

Year: 1997
Gen EPA ID: CAD982446585

Shipment Date: 19971002
Creation Date: 7/23/1998 0:00:00
Receipt Date: 19971002
Manifest ID: 96671360
Trans EPA ID: NJD080631369
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD008302903
Trans Name: Not reported
TSDF Alt EPA ID: CAD008302903
TSDF Alt Name: Not reported
CA Waste Code: 212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code: D001
Disposal Method: R01 - Recycler
Quantity Tons: 0.33
Waste Quantity: 100
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 19970227
Creation Date: 5/30/1997 0:00:00
Receipt Date: 19970227
Manifest ID: 96869669
Trans EPA ID: NJD080631369
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SEVEN STRAND TACKLE CORP (Continued)

1000593513

TSDF EPA ID:	CAD008302903
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Disposal Method:	R01 - Recycler
Quantity Tons:	0.132
Waste Quantity:	40
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19970227
Creation Date:	5/30/1997 0:00:00
Receipt Date:	19970227
Manifest ID:	96869669
Trans EPA ID:	NJD080631369
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Disposal Method:	H01 - Transfer Station
Quantity Tons:	0.1459
Waste Quantity:	35
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19970220
Creation Date:	5/30/1997 0:00:00
Receipt Date:	19970220
Manifest ID:	96869610
Trans EPA ID:	NJD080631369
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Disposal Method:	H01 - Transfer Station
Quantity Tons:	0.2919
Waste Quantity:	70

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SEVEN STRAND TACKLE CORP (Continued)

1000593513

Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19970220
Creation Date:	5/30/1997 0:00:00
Receipt Date:	19970220
Manifest ID:	96869610
Trans EPA ID:	NJD080631369
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD008302903
Trans Name:	Not reported
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
CA Waste Code:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Disposal Method:	H01 - Transfer Station
Quantity Tons:	0.3336
Waste Quantity:	80
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19970109
Creation Date:	5/30/1997 0:00:00
Receipt Date:	19970109
Manifest ID:	96014095
Trans EPA ID:	NJD080631369
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD008302903
Trans Name:	Not reported
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
CA Waste Code:	214 - Unspecified solvent mixture
RCRA Code:	D001
Disposal Method:	R01 - Recycler
Quantity Tons:	1.26
Waste Quantity:	350
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year: 1993

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SEVEN STRAND TACKLE CORP (Continued)

1000593513

Gen EPA ID: CAD982446585

Shipment Date: 19930913
Creation Date: 9/12/1995 0:00:00
Receipt Date: 19930913
Manifest ID: 93148244
Trans EPA ID: ILD099202681
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD008302903
Trans Name: Not reported
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: 214 - Unspecified solvent mixture
RCRA Code: D001
Disposal Method: R01 - Recycler
Quantity Tons: 0.198
Waste Quantity: 55
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:

Year: 1995
Gen EPA ID: CAD982446585

Shipment Date: 19950818
Creation Date: 4/2/1996 0:00:00
Receipt Date: 19950818
Manifest ID: 95229418
Trans EPA ID: ARD069748192
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD044429835
Trans Name: Not reported
TSDF Alt EPA ID: CAD044429835
TSDF Alt Name: Not reported
CA Waste Code: 181 - Other inorganic solid waste Organics
RCRA Code: D008
Disposal Method: R01 - Recycler
Quantity Tons: 0.2293
Waste Quantity: 55
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 19950818
Creation Date: 4/2/1996 0:00:00
Receipt Date: 19950818

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SEVEN STRAND TACKLE CORP (Continued)

1000593513

Manifest ID: 95229418
Trans EPA ID: ARD069748192
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD044429835
Trans Name: Not reported
TSDF Alt EPA ID: CAD044429835
TSDF Alt Name: Not reported
CA Waste Code: 214 - Unspecified solvent mixture
RCRA Code: D001
Disposal Method: R01 - Recycler
Quantity Tons: 3.06
Waste Quantity: 850
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:

Year: 1999
Gen EPA ID: CAD982446585

Shipment Date: 19990114
Creation Date: 3/15/1999 0:00:00
Receipt Date: 19990114
Manifest ID: 98520552
Trans EPA ID: NJD080631369
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD008302903
Trans Name: Not reported
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: 212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code: D001
Disposal Method: R01 - Recycler
Quantity Tons: 1.0725
Waste Quantity: 325
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:

Year: 1994
Gen EPA ID: CAD982446585

Shipment Date: 19940609
Creation Date: 10/10/1995 0:00:00
Receipt Date: 19940609

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SEVEN STRAND TACKLE CORP (Continued)

1000593513

Manifest ID: 93312722
Trans EPA ID: ILD099202681
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD008302903
Trans Name: Not reported
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: 214 - Unspecified solvent mixture
RCRA Code: D001
Disposal Method: R01 - Recycler
Quantity Tons: 0.792
Waste Quantity: 220
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

CERS:

Name: G & J FORKLIFT
Address: 899 W COWLES ST
City,State,Zip: LONG BEACH, CA 90813
Site ID: 429233
CERS ID: 10604305
CERS Description: Chemical Storage Facilities

Violations:

Site ID: 429233
Site Name: G & J FORKLIFT
Violation Date: 12-20-2017
Citation: Un-Specified
Violation Description: Business Plan Program - Administration/Documentation - General Local Ordinance
Violation Notes: Returned to compliance on 12/20/2017. Observation: High piled storage without permit. Correction: Please submit plans and obtain permit for high piled storage or reduce all storage to below 12 feet.
Violation Division: Long Beach Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 429233
Site Name: G & J FORKLIFT
Violation Date: 12-20-2017
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes: Returned to compliance on 01/10/2018. OBSERVATION: Failure to annually review and electronically certify that the business plan is complete, accurate, and up-to-date. CORRECTIVE ACTION: Annually review and electronically certify that the business plan is complete, accurate, and up-to-date.
Violation Division: Long Beach Environmental Health

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SEVEN STRAND TACKLE CORP (Continued)

1000593513

Violation Program: HMRRP
Violation Source: CERS

Site ID: 429233
Site Name: G & J FORKLIFT
Violation Date: 08-08-2017
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes: Returned to compliance on 01/10/2018. OBSERVATION: Failure to annually review and electronically certify that the business plan is complete, accurate, and up-to-date. CORRECTIVE ACTION: Annually review and electronically certify that the business plan is complete, accurate, and up-to-date.
Violation Division: Long Beach Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 429233
Site Name: G & J FORKLIFT
Violation Date: 12-20-2017
Citation: Un-Specified
Violation Description: Business Plan Program - Administration/Documentation - General Local Ordinance
Violation Notes: Returned to compliance on 01/10/2018.
Violation Division: Long Beach Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 429233
Site Name: G & J FORKLIFT
Violation Date: 04-16-2019
Citation: 22 CCR 12 66262.40(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(a)
Violation Description: Failure to keep a copy of each properly signed manifest for at least three years from the date the waste was accepted by the initial transporter. The manifest signed at the time the waste was accepted for transport shall be kept until receiving a signed copy from the designated facility which received the waste.
Violation Notes: Returned to compliance on 05/21/2019. Three years of hazardous waste disposal documentation were not available at time of inspection. Please consolidate all previous hazardous waste documentation for used oil, used oil filters and used anti-freeze into one file to comply with this regulation. Re-inspection on or after 5/16/19.
Violation Division: Long Beach Environmental Health
Violation Program: HW
Violation Source: CERS

Site ID: 429233
Site Name: G & J FORKLIFT
Violation Date: 04-16-2019
Citation: HSC 6.11 25404(e)(4) - California Health and Safety Code, Chapter 6.11, Section(s) 25404(e)(4)
Violation Description: Failure to report program data electronically.
Violation Notes: Returned to compliance on 05/21/2019. All three elements of a

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SEVEN STRAND TACKLE CORP (Continued)

1000593513

Hazardous Materials Business Plan were last submitted on 1/5/18. The HMBP is overdue for its annual review and re-submittal to CERS. Please resubmit your HMBP on CERS ID#10604305 as soon as feasible. Call Inspector Erdman at 562-570-2581 for help on CERS if needed. This facility's user name is GJforklift899 on CERS.

Violation Division: Long Beach Environmental Health
Violation Program: HW
Violation Source: CERS

Site ID: 429233
Site Name: G & J FORKLIFT
Violation Date: 12-20-2017
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)

Violation Description: Failure to complete and electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.

Violation Notes: Returned to compliance on 01/10/2018.
Violation Division: Long Beach Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 429233
Site Name: G & J FORKLIFT
Violation Date: 12-20-2017
Citation: Un-Specified
Violation Description: Business Plan Program - Administration/Documentation - General Local Ordinance

Violation Notes: Returned to compliance on 12/20/2017. Observation: Propane is not been stored or secured properly. Correction: Propane cylinders shall be stored in approved cages.

Violation Division: Long Beach Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 429233
Site Name: G & J FORKLIFT
Violation Date: 08-08-2017
Citation: Un-Specified
Violation Description: Business Plan Program - Administration/Documentation - General Local Ordinance

Violation Notes: Returned to compliance on 12/20/2017. Provide NFPA 704 placard to propane cage and storage shed.

Violation Division: Long Beach Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 429233
Site Name: G & J FORKLIFT
Violation Date: 08-08-2017
Citation: Un-Specified
Violation Description: Business Plan Program - Administration/Documentation - General Local Ordinance

Violation Notes: Returned to compliance on 12/20/2017. Lower all storage to below 12 feet or submit plans for high piled storage

Violation Division: Long Beach Environmental Health
Violation Program: HMRRP

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SEVEN STRAND TACKLE CORP (Continued)

1000593513

Violation Source: CERS

Evaluation:

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-14-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Routine inspection with no violations of a forklift repair facility.
Eval Division: Long Beach Environmental Heath
Eval Program: HW
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 11-14-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Long Beach Environmental Heath
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-20-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Routine inspection w/no violations of a forklift repair facility.
Eval Division: Long Beach Environmental Heath
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-20-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Long Beach Fire Department Hazardous Materials Specialist, Brian Erdman was on site to conduct a Hazardous Materials Business Plan inspection. The purpose of the HMBP is to assist the LBFD during an emergency response to this facility. Yahira Felix provided consent to conduct an inspection and tour of the facility. Any facility that stores Hazardous Materials at or above a reportable volume is required to complete an electronic HMBEP to the California Environmental Response System (CERS) at <https://l.calepa.ca.gov/> . The reportable volume for Hazardous Wastes / Materials or mixture is equal to or greater than 55 gallons of a liquid, 500 pounds of solid, or 200 cubic feet of a gas. The facility has the following Hazardous Materials being stored at a reportable volume: -Transmission Fluid - Antifreeze - Propane -Motor oil (lubricating) -Waste Oil -Brake Fluid Zep Cleaner -Hydraulic Oil -Oxygen -Lead Acid Batteries -Waste Antifreeze The Hazardous [Truncated]
Eval Division: Long Beach Environmental Heath
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 05-21-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency

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Direction
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Elevation

MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

SEVEN STRAND TACKLE CORP (Continued)

1000593513

Eval Notes: Re-inspection with no violations of a forklift repair facility.
Hazardous waste disposal documentation is available on site and a HMBP was accepted on CERS ID#10604305 on 4/20/19. A copy of this OIR was emailed to GJforklift@yahoo.com.

Eval Division: Long Beach Environmental Heath
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-01-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Long Beach Environmental Heath
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 12-20-2017
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Progress noted on 12-20-2017; Please complete employee training and submit to California Environmental Reporting System (CERS). High Piled storage was reduced to lower than 12 feet.

Eval Division: Long Beach Environmental Heath
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-08-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Long Beach Environmental Heath
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 01-10-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: All violations corrected from inspection report BIR 3481.
Eval Division: Long Beach Environmental Heath
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-16-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Routine inspection with violations of a forklift repair facility.
Please correct the following violations: 1) Three years of hazardous waste disposal documentation were not available at time of inspection. Please consolidate all previous hazardous waste documentation for used oil, used oil filters and used anti-freeze into one file to comply with this regulation. 2) All three elements of a Hazardous Materials Business Plan were last submitted on 1/5/18. The HMBP is overdue for

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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

SEVEN STRAND TACKLE CORP (Continued)

1000593513

its annual review and re-submittal to CERS. Please resubmit your HMBP on CERS ID#10604305 as soon as feasible. Call Inspector Erdman at 562-570-2581 for help on CERS if needed. This facility's user name is GJforklift899 on CERS. Re-inspection on or after 5/16/19. Failure to correct violations may result in a re-inspection fee and further enforcement action. A copy of this OIR was emailed to GJforklift@yahoo.com.

Eval Division: Long Beach Environmental Heath
Eval Program: HW
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 11-01-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Long Beach Environmental Heath
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 11-15-2017
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Long Beach Environmental Heath
Eval Program: HMRRP
Eval Source: CERS

Coordinates:
Site ID: 429233
Facility Name: G & J FORKLIFT
Env Int Type Code: HWG
Program ID: 10604305
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 33.785130
Longitude: -118.202570

Affiliation:
Affiliation Type Desc: Legal Owner
Entity Name: G & J Forklift inc.
Entity Title: Not reported
Affiliation Address: 899 W COWLES ST
Affiliation City: LONG BEACH
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 90813
Affiliation Phone: (562) 437-5438

Affiliation Type Desc: CUPA District
Entity Name: Long Beach Environmental Heath
Entity Title: Not reported
Affiliation Address: 2525 Grand Avenue
Affiliation City: Long Beach
Affiliation State: CA

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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SEVEN STRAND TACKLE CORP (Continued)

1000593513

Affiliation Country: Not reported
Affiliation Zip: 90815
Affiliation Phone: (562) 570-4131

Affiliation Type Desc: Document Preparer
Entity Name: MARISOL FELIX
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Environmental Contact
Entity Name: Marisol Felix
Entity Title: Not reported
Affiliation Address: 899 W COWLES ST
Affiliation City: LONG BEACH
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90813
Affiliation Phone: Not reported

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 899 W COWLES ST
Affiliation City: LONG BEACH
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90813
Affiliation Phone: Not reported

Affiliation Type Desc: Identification Signer
Entity Name: MARISOL FELIX
Entity Title: vice president
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Operator
Entity Name: Marisol Felix
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (562) 437-5438

Affiliation Type Desc: Parent Corporation
Entity Name: G & J FORKLIFT
Entity Title: Not reported

Map ID
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
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SEVEN STRAND TACKLE CORP (Continued)

1000593513

Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Property Owner
Entity Name: Eric Hanke
Entity Title: Not reported
Affiliation Address: 899 W COWLES ST
Affiliation City: LONG BEACH
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 90813
Affiliation Phone: (310) 418-2023

HWTS:

Name: SEVEN STRAND TACKLE CORP
Address: 899 W COWLES ST
Address 2: Not reported
City,State,Zip: LONG BEACH, CA 908130000
EPA ID: CAD982446585
Inactive Date: 06/30/2006
Create Date: 04/05/1991
Last Act Date: 04/12/2011
Mailing Name: Not reported
Mailing Address: 729 W 16TH STREET A4
Mailing Address 2: Not reported
Mailing City,State,Zip: COSTA MESA, CA 926270000
Owner Name: BILL BUCHANAN
Owner Address: --
Owner Address 2: Not reported
Owner City,State,Zip: --, ME --
Contact Name: LAURIE HOCKER/OFFICE MANAGER
Contact Address: 899 W COWLES
Contact Address 2: Not reported
City,State,Zip: LONG BEACH, CA 908130000

NAICS:

EPA ID: CAD982446585
Create Date: 2004-10-20 10:23:57
NAICS Code: 33992
NAICS Description: Sporting and Athletic Goods Manufacturing
Issued EPA ID Date: 1991-04-05 00:00:00
Inactive Date: 2006-06-30 00:00:00
Facility Name: SEVEN STRAND TACKLE CORP
Facility Address: 899 W COWLES ST
Facility Address 2: Not reported
Facility City: LONG BEACH
Facility County: 19
Facility State: CA
Facility Zip: 908130000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

E11
SE
< 1/8
0.050 mi.
265 ft.

0750 W ANAHEIM ST
LONG BEACH, CA
Site 1 of 4 in cluster E

CA UST U003919745
N/A

Relative:
Lower

LONG BEACH UST:

Actual:
10 ft.

DATA AS OF 02/25/2014:

Name: Not reported
Address: 0750 W ANAHEIM ST
City,State,Zip: LONG BEACH, CA
Region: LONG BEACH
Tanks: 2F
Tank Test: Not reported
Leak Test: Not reported
Tank Status: Not reported

B12
South
< 1/8
0.060 mi.
317 ft.

AIR PRODUCTS AND CHEMICALS INC
901 W 12TH ST
LONG BEACH, CA 90813

SEMS-ARCHIVE 1000985044
RCRA NonGen / NLR CAR000001537
FINDS
ECHO

Site 2 of 3 in cluster B

Relative:
Lower

SEMS Archive:

Actual:
11 ft.

Site ID: 0901020
EPA ID: CAD008278046
Name: WEBER MACHINE CO
Address: 901 W 12TH ST
Address 2: Not reported
City,State,Zip: LONG BEACH, CA 90813
Cong District: 32
FIPS Code: 06037
FF: N
NPL: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

SEMS Archive Detail:

Region: 09
Site ID: 0901020
EPA ID: CAD008278046
Site Name: WEBER MACHINE CO
NPL: N
FF: N
OU: 00
Action Code: VS
Action Name: ARCH SITE
SEQ: 1
Start Date: Not reported
Finish Date: 1987-02-01 05:00:00
Qual: Not reported
Current Action Lead: EPA Perf In-Hse

Region: 09
Site ID: 0901020
EPA ID: CAD008278046
Site Name: WEBER MACHINE CO
NPL: N
FF: N
OU: 00
Action Code: PA

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AIR PRODUCTS AND CHEMICALS INC (Continued)

1000985044

Action Name: PA
SEQ: 1
Start Date: 1986-04-01 05:00:00
Finish Date: 1987-02-01 05:00:00
Qual: N
Current Action Lead: St Perf

Region: 09
Site ID: 0901020
EPA ID: CAD008278046
Site Name: WEBER MACHINE CO
NPL: N
FF: N
OU: 00
Action Code: DS
Action Name: DISCVRY
SEQ: 1
Start Date: 1986-04-01 05:00:00
Finish Date: 1986-04-01 05:00:00
Qual: Not reported
Current Action Lead: St Perf

RCRA NonGen / NLR:

Date form received by agency: 1995-10-19 00:00:00.0
Facility name: AIR PRODUCTS AND CHEMICALS INC
Facility address: 901 W 12TH ST
LONG BEACH, CA 90813-2813
EPA ID: CAR000001537
Mailing address: 98 INDUSTRIAL CT
GALT, CA 95632-1562
Contact: KEITH J. LEINBACH
Contact address: 98 INDUSTRIAL CT
GALT, CA 95632
Contact country: Not reported
Contact telephone: 610-481-4737
Contact email: LEINBAKJ@AIRPRODUCTS.COM
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: KEITH J. LEINBACH
Owner/operator address: 98 INDUSTRIAL CT
GALT, CA 95632
Owner/operator country: Not reported
Owner/operator telephone: 610-481-4737
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: AIR PROD AND CHEM INC

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AIR PRODUCTS AND CHEMICALS INC (Continued)

1000985044

Owner/operator address: 7201 HAMILTON BLVD
LONG BEACH, CA 90813
Owner/operator country: Not reported
Owner/operator telephone: 610-481-4911
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: AIR PRODUCTS AND CHEMICALS INC
Owner/operator address: 7201 HAMILTON BLVD
ALLENTOWN, PA 18195
Owner/operator country: Not reported
Owner/operator telephone: 610-481-4737
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: Yes
Transporter of hazardous waste: Yes
Treater, storer or disposer of HW: Yes
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 1995-03-27 00:00:00.0
Site name: AIR PROD AND CHEM INC
Classification: Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110002905161
Facility URL: http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110002905161

Environmental Interest/Information System:

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART)
provides California with information on hazardous waste shipments for

Map ID
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AIR PRODUCTS AND CHEMICALS INC (Continued)

1000985044

generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

STATE MASTER

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1000985044
Registry ID: 110002905161
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110002905161>
Name: AIR PROD AND CHEM INC
Address: 901 W 12TH ST
City,State,Zip: LONG BEACH, CA 90813

B13
South
< 1/8
0.060 mi.
317 ft.

AIR PRODUCTS AND CHEMICALS INC
901 W 12TH ST
LONG BEACH, CA 90813

CA CERS HAZ WASTE
CA CERS TANKS
CA HAZNET
CA CERS
CA HWTS

S113173215
N/A

Site 3 of 3 in cluster B

Relative:
Lower

Actual:
11 ft.

CERS HAZ WASTE:

Name: AIR PRODUCTS AND CHEMICALS, INC. - LONG BEACH
Address: 901 WEST 12TH STREET
City,State,Zip: LONG BEACH, CA 90802
Site ID: 3619
CERS ID: 10155427
CERS Description: Hazardous Waste Generator

CERS TANKS:

Name: AIR PRODUCTS AND CHEMICALS, INC. - LONG BEACH
Address: 901 WEST 12TH STREET
City,State,Zip: LONG BEACH, CA 90802
Site ID: 3619
CERS ID: 10155427
CERS Description: Aboveground Petroleum Storage

HAZNET:

Name: AIR PRODUCTS AND CHEMICALS INC
Address: 901 W 12TH ST
Address 2: Not reported
City,State,Zip: LONG BEACH, CA 908132813
Contact: KEITH J. LEINBACH
Telephone: 6104814737
Mailing Name: Not reported
Mailing Address: 98 INDUSTRIAL CT

Year: 2017
Gepaid: CAR000001537
TSD EPA ID: CAD044429835
CA Waste Code: 181 - Other inorganic solid waste

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AIR PRODUCTS AND CHEMICALS INC (Continued)

S113173215

Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.25
Year:	2017
Gepaid:	CAR000001537
TSD EPA ID:	NED981723513
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.05
Year:	2017
Gepaid:	CAR000001537
TSD EPA ID:	CAD980675276
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	6.7424
Year:	2017
Gepaid:	CAR000001537
TSD EPA ID:	CAD044429835
CA Waste Code:	162 - Other spent catalyst
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.15
Year:	2017
Gepaid:	CAR000001537
TSD EPA ID:	CAD044429835
CA Waste Code:	-
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.05
Year:	2017
Gepaid:	CAR000001537
TSD EPA ID:	CAD044429835
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.475
Year:	2017
Gepaid:	CAR000001537
TSD EPA ID:	CAD044429835
CA Waste Code:	352 - Other organic solids
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.15
Year:	2016
Gepaid:	CAR000001537
TSD EPA ID:	CAD980675276
CA Waste Code:	181 - Other inorganic solid waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AIR PRODUCTS AND CHEMICALS INC (Continued)

S113173215

Tons:	Treatment/Reovery (H010-H129) Or (H131-H135) 0.04
Year:	2016
Gepaid:	CAR000001537
TSD EPA ID:	CAD009007626
CA Waste Code:	151 - Asbestos containing waste
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	68.54
Year:	2015
Gepaid:	CAR000001537
TSD EPA ID:	CAD009007626
CA Waste Code:	151 - Asbestos containing waste
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.23

[Click this hyperlink](#) while viewing on your computer to access
29 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:

Year:	2001
Gen EPA ID:	CAR000001537
Shipment Date:	20010406
Creation Date:	7/10/2001 0:00:00
Receipt Date:	20010410
Manifest ID:	20331448
Trans EPA ID:	SCR000075150
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD050806850
TSDF Alt Name:	Not reported
CA Waste Code:	- Not reported
RCRA Code:	Not reported
Disposal Method:	H01 - Transfer Station
Quantity Tons:	0.193
Waste Quantity:	386
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20010108
Creation Date:	4/30/2001 0:00:00
Receipt Date:	20010116
Manifest ID:	99810791
Trans EPA ID:	SCR000075150
Trans Name:	Not reported

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EPA ID Number

AIR PRODUCTS AND CHEMICALS INC (Continued)

S113173215

Trans 2 EPA ID: SCR000074591
Trans 2 Name: Not reported
TSDF EPA ID: CAD050806850
Trans Name: Not reported
TSDF Alt EPA ID: CAD050806850
TSDF Alt Name: Not reported
CA Waste Code: - Not reported
RCRA Code: Not reported
Disposal Method: H01 - Transfer Station
Quantity Tons: 0.193
Waste Quantity: 386
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:

Year: 2013
Gen EPA ID: CAR000001537

Shipment Date: 20130920
Creation Date: 11/7/2013 22:15:06
Receipt Date: 20130923
Manifest ID: 006104672FLE
Trans EPA ID: MAD039322250
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD044429835
Trans Name: CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: 352 - Other organic solids
RCRA Code: Not reported
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.115
Waste Quantity: 230
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20130920
Creation Date: 1/28/2014 22:15:31
Receipt Date: 20131006
Manifest ID: 006104673FLE
Trans EPA ID: MAD039322250
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID: AZR000508515
Trans 2 Name: SLT
TSDF EPA ID: ARD069748192
Trans Name: CLEAN HARBORS EL DORADO LLC

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AIR PRODUCTS AND CHEMICALS INC (Continued)

S113173215

TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
CA Waste Code:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Disposal Method:	H050 - Energy Recovery At This Site--Use As Fuel(Includes On-Site Fuel Blending)
Quantity Tons:	0.275
Waste Quantity:	550
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130302
Creation Date:	4/22/2013 22:15:13
Receipt Date:	20130306
Manifest ID:	000652056VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
CA Waste Code:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Disposal Method:	- Not reported
Quantity Tons:	0.02
Waste Quantity:	40
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130302
Creation Date:	4/22/2013 22:15:13
Receipt Date:	20130306
Manifest ID:	000652056VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
CA Waste Code:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.5
Waste Quantity:	3000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AIR PRODUCTS AND CHEMICALS INC (Continued)

S113173215

Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130302
Creation Date:	4/22/2013 22:15:13
Receipt Date:	20130306
Manifest ID:	000652056VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
CA Waste Code:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.55
Waste Quantity:	3100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130221
Creation Date:	4/12/2013 22:15:31
Receipt Date:	20130221
Manifest ID:	000596962VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
CA Waste Code:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	16.856
Waste Quantity:	20
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AIR PRODUCTS AND CHEMICALS INC (Continued)

S113173215

Shipment Date: 20130220
Creation Date: 4/12/2013 22:15:31
Receipt Date: 20130220
Manifest ID: 000652055VES
Trans EPA ID: CAR000181891
Trans Name: BDC SPECIAL WASTE SERVICES
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD008302903
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: 181 - Other inorganic solid waste Organics
RCRA Code: Not reported
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 16.856
Waste Quantity: 20
Quantity Unit: Y
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:

Year: 1997
Gen EPA ID: CAR000001537

Shipment Date: 19970430
Creation Date: 7/17/1997 0:00:00
Receipt Date: 19970501
Manifest ID: 95509574
Trans EPA ID: ILD984908202
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAT000613976
Trans Name: Not reported
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: 343 - Unspecified organic liquid mixture
RCRA Code: Not reported
Disposal Method: H01 - Transfer Station
Quantity Tons: 0.298
Waste Quantity: 596
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:

Year: 2011
Gen EPA ID: CAR000001537

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AIR PRODUCTS AND CHEMICALS INC (Continued)

S113173215

Shipment Date: 20110401
Creation Date: 9/13/2011 18:30:11
Receipt Date: 20110411
Manifest ID: 004416676FLE
Trans EPA ID: MAD039322250
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID: AZR000508515
Trans 2 Name: SLT EXPRESSWAY
TSDF EPA ID: TXD055141378
Trans Name: CLEAN HARBORS DEER PARK LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: 223 - Unspecified oil-containing waste
RCRA Code: Not reported
Disposal Method: H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons: 0.1875
Waste Quantity: 375
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20110401
Creation Date: 6/16/2011 18:30:20
Receipt Date: 20110408
Manifest ID: 004416675FLE
Trans EPA ID: MAD039322250
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID: MAD039322250
Trans 2 Name: CLEAN HARBORS ENV SVCS
TSDF EPA ID: CAD980675276
Trans Name: CLEAN HARBORS BUTTONWILLOW LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: 352 - Other organic solids
RCRA Code: Not reported
Disposal Method: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons: 0.3
Waste Quantity: 600
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 2000
Gen EPA ID: CAR000001537

Shipment Date: 20000825
Creation Date: 11/14/2000 0:00:00
Receipt Date: 20000829
Manifest ID: 99018489

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AIR PRODUCTS AND CHEMICALS INC (Continued)

S113173215

Trans EPA ID: SCR000075150
Trans Name: Not reported
Trans 2 EPA ID: SCR000074591
Trans 2 Name: Not reported
TSDF EPA ID: CAD050806850
Trans Name: Not reported
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: - Not reported
RCRA Code: Not reported
Disposal Method: H01 - Transfer Station
Quantity Tons: 0.193
Waste Quantity: 386
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20000128
Creation Date: 5/3/2000 0:00:00
Receipt Date: 20000201
Manifest ID: 99204559
Trans EPA ID: ILD984908202
Trans Name: Not reported
Trans 2 EPA ID: SCR000074591
Trans 2 Name: Not reported
TSDF EPA ID: CAD050806850
Trans Name: Not reported
TSDF Alt EPA ID: CAD050806850
TSDF Alt Name: Not reported
CA Waste Code: - Not reported
RCRA Code: Not reported
Disposal Method: H01 - Transfer Station
Quantity Tons: 0.215
Waste Quantity: 430
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:

Year: 2009
Gen EPA ID: CAR000001537

Shipment Date: 20090626
Creation Date: 11/25/2009 18:30:08
Receipt Date: 20090706
Manifest ID: 002593580FLE
Trans EPA ID: MAD039322250
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID: UTR000007708
Trans 2 Name: SLT EXPRESSWAY
TSDF EPA ID: TXD055141378

Map ID
Direction
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AIR PRODUCTS AND CHEMICALS INC (Continued)

S113173215

Trans Name: CLEAN HARBORS DEER PARK LP
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: 223 - Unspecified oil-containing waste
RCRA Code: Not reported
Disposal Method: H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons: 0.175
Waste Quantity: 350
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20090626
Creation Date: 8/25/2009 18:30:31
Receipt Date: 20090708
Manifest ID: 002593579FLE
Trans EPA ID: MAD039322250
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID: MAD039322250
Trans 2 Name: CLEAN HARBORS ENV SVCS
TSDF EPA ID: CAD980675276
Trans Name: CLEAN HARBORS BUTTONWILLOW LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: 352 - Other organic solids
RCRA Code: Not reported
Disposal Method: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons: 0.125
Waste Quantity: 250
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:

Year: 2016
Gen EPA ID: CAR000001537

Shipment Date: 20151210
Creation Date: 2/10/2016 22:15:22
Receipt Date: 20151218
Manifest ID: 015220786JJK
Trans EPA ID: CAR000181891
Trans Name: BDC SPECIAL WASTE SERVICES
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD009007626
Trans Name: AZUSA LAND RECLAMATION
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: 151 - Asbestos-containing waste

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AIR PRODUCTS AND CHEMICALS INC (Continued)

S113173215

RCRA Code:	Not reported
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.23
Waste Quantity:	1
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151023
Creation Date:	12/22/2015 22:15:07
Receipt Date:	20151023
Manifest ID:	008302793FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICE INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.04
Waste Quantity:	80
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151023
Creation Date:	12/22/2015 22:15:07
Receipt Date:	20151023
Manifest ID:	008302793FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICE INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
CA Waste Code:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.22
Waste Quantity:	440
Quantity Unit:	P
Additional Code 1:	Not reported

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AIR PRODUCTS AND CHEMICALS INC (Continued)

S113173215

Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20151023
Creation Date: 12/22/2015 22:15:07
Receipt Date: 20151023
Manifest ID: 008302793FLE
Trans EPA ID: MAD039322250
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICE INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD044429835
Trans Name: CLEAN HARBORS WILMINGTON LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
CA Waste Code: 352 - Other organic solids
RCRA Code: Not reported
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Recovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.03
Waste Quantity: 60
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 2015
Gen EPA ID: CAR000001537

Shipment Date: 20151210
Creation Date: 2/10/2016 22:15:22
Receipt Date: 20151218
Manifest ID: 015220786JJK
Trans EPA ID: CAR000181891
Trans Name: BDC SPECIAL WASTE SERVICES
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD009007626
Trans Name: AZUSA LAND RECLAMATION
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
CA Waste Code: 151 - Asbestos-containing waste
RCRA Code: Not reported
Disposal Method: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons: 0.23
Waste Quantity: 1
Quantity Unit: Y
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AIR PRODUCTS AND CHEMICALS INC (Continued)

S113173215

Additional Code 5:	Not reported
Shipment Date:	20151023
Creation Date:	12/22/2015 22:15:07
Receipt Date:	20151023
Manifest ID:	008302793FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICE INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.03
Waste Quantity:	60
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151023
Creation Date:	12/22/2015 22:15:07
Receipt Date:	20151023
Manifest ID:	008302793FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICE INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.04
Waste Quantity:	80
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151023
Creation Date:	12/22/2015 22:15:07
Receipt Date:	20151023
Manifest ID:	008302793FLE
Trans EPA ID:	MAD039322250

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AIR PRODUCTS AND CHEMICALS INC (Continued)

S113173215

Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICE INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD044429835
Trans Name: CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: 221 - Waste oil and mixed oil
RCRA Code: Not reported
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No
Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.22
Waste Quantity: 440
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:

Year: 2017
Gen EPA ID: CAR000001537

Shipment Date: 20170830
Creation Date: 7/20/2018 18:30:10
Receipt Date: 20170830
Manifest ID: 010537092FLE
Trans EPA ID: MAD039322250
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD044429835
Trans Name: CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: 221 - Waste oil and mixed oil
RCRA Code: Not reported
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No
Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.266
Waste Quantity: 70
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20170830
Creation Date: 7/20/2018 18:30:10
Receipt Date: 20170830
Manifest ID: 010537092FLE
Trans EPA ID: MAD039322250
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AIR PRODUCTS AND CHEMICALS INC (Continued)

S113173215

TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	162 - Other spent catalyst
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.15
Waste Quantity:	300
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170830
Creation Date:	7/20/2018 18:30:10
Receipt Date:	20170830
Manifest ID:	010537092FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.25
Waste Quantity:	500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170817
Creation Date:	8/3/2018 18:30:33
Receipt Date:	20170824
Manifest ID:	010537054FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	MOR000501973
Trans 2 Name:	R&R TRUCKING
TSDF EPA ID:	NED981723513
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No

Map ID
Direction
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AIR PRODUCTS AND CHEMICALS INC (Continued)

S113173215

Quantity Tons:	Treatment/Reovery (H010-H129) Or (H131-H135)
Waste Quantity:	0.05
Quantity Unit:	100
Additional Code 1:	P
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170817
Creation Date:	5/30/2018 18:33:30
Receipt Date:	20170822
Manifest ID:	010537053FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.15
Waste Quantity:	300
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170817
Creation Date:	5/30/2018 18:33:30
Receipt Date:	20170822
Manifest ID:	010537053FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
CA Waste Code:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.209
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AIR PRODUCTS AND CHEMICALS INC (Continued)

S113173215

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170817
Creation Date:	5/30/2018 18:33:30
Receipt Date:	20170822
Manifest ID:	010537053FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	- Not reported
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170727
Creation Date:	6/13/2018 18:30:25
Receipt Date:	20170727
Manifest ID:	010536921FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980675276
Trans Name:	CLEAN HARBORS BUTTONWILLOW LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	6.7424
Waste Quantity:	8
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Additional Info:	
Year:	2007
Gen EPA ID:	CAR000001537

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AIR PRODUCTS AND CHEMICALS INC (Continued)

S113173215

Shipment Date: 20070322
Creation Date: 8/23/2007 18:30:14
Receipt Date: 20070330
Manifest ID: 000945280FLE
Trans EPA ID: MAD039322250
Trans Name: CLEAN HARBORS ENV SERVICES INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD044429835
Trans Name: CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: 352 - Other organic solids
RCRA Code: Not reported
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.0525
Waste Quantity: 105
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20070322
Creation Date: 8/23/2007 18:30:14
Receipt Date: 20070330
Manifest ID: 000945280FLE
Trans EPA ID: MAD039322250
Trans Name: CLEAN HARBORS ENV SERVICES INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD044429835
Trans Name: CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: 223 - Unspecified oil-containing waste
RCRA Code: Not reported
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.2625
Waste Quantity: 525
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 2006
Gen EPA ID: CAR000001537

Shipment Date: 20060811
Creation Date: 9/27/2006 18:35:31
Receipt Date: 20060818

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AIR PRODUCTS AND CHEMICALS INC (Continued)

S113173215

Manifest ID: 24910796
Trans EPA ID: MAD039322250
Trans Name: CLEAN HARBORS ENV SERVICES INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: UTD981552177
Trans Name: CLEAN HARBORS ARAGONITE LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: 352 - Other organic solids
RCRA Code: Not reported
Disposal Method: H01 - Transfer Station
Quantity Tons: 0.1
Waste Quantity: 200
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20060811
Creation Date: 9/27/2006 18:35:31
Receipt Date: 20060818
Manifest ID: 24910796
Trans EPA ID: MAD039322250
Trans Name: CLEAN HARBORS ENV SERVICES INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: UTD981552177
Trans Name: CLEAN HARBORS ARAGONITE LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: 223 - Unspecified oil-containing waste
RCRA Code: Not reported
Disposal Method: R01 - Recycler
Quantity Tons: 0.25
Waste Quantity: 500
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20060811
Creation Date: 9/27/2006 18:35:31
Receipt Date: 20060818
Manifest ID: 24910796
Trans EPA ID: MAD039322250
Trans Name: CLEAN HARBORS ENV SERVICES INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: UTD981552177
Trans Name: CLEAN HARBORS ARAGONITE LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AIR PRODUCTS AND CHEMICALS INC (Continued)

S113173215

CA Waste Code: 221 - Waste oil and mixed oil
RCRA Code: Not reported
Disposal Method: R01 - Recycler
Quantity Tons: 0.0375
Waste Quantity: 75
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:

Year: 2014
Gen EPA ID: CAR000001537

Shipment Date: 20140926
Creation Date: 11/22/2014 22:15:06
Receipt Date: 20140927
Manifest ID: 008067746FLE
Trans EPA ID: MAD039322250
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD044429835
Trans Name: CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: 352 - Other organic solids
RCRA Code: Not reported
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.04
Waste Quantity: 80
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20140926
Creation Date: 11/22/2014 22:15:06
Receipt Date: 20140927
Manifest ID: 008067746FLE
Trans EPA ID: MAD039322250
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD044429835
Trans Name: CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: 352 - Other organic solids
RCRA Code: Not reported
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AIR PRODUCTS AND CHEMICALS INC (Continued)

S113173215

Quantity Tons:	0.0125
Waste Quantity:	25
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140926
Creation Date:	6/24/2015 22:15:21
Receipt Date:	20141007
Manifest ID:	008067747FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	AZR000513770
Trans 2 Name:	SLT
TSDF EPA ID:	NED981723513
Trans Name:	CLEAN HARBORS ENV SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Disposal Method:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	0.225
Waste Quantity:	450
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140926
Creation Date:	11/22/2014 22:15:06
Receipt Date:	20140927
Manifest ID:	008067746FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.01
Waste Quantity:	20
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AIR PRODUCTS AND CHEMICALS INC (Continued)

S113173215

Shipment Date: 20140926
Creation Date: 11/22/2014 22:15:06
Receipt Date: 20140927
Manifest ID: 008067746FLE
Trans EPA ID: MAD039322250
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD044429835
Trans Name: CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: 331 - Off-specification, aged, or surplus organics
RCRA Code: Not reported
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.225
Waste Quantity: 450
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:

Year: 2004
Gen EPA ID: CAR000001537

Shipment Date: 20041101
Creation Date: 1/28/2005 18:31:06
Receipt Date: 20041103
Manifest ID: 23456808
Trans EPA ID: MAD039322250
Trans Name: CLEAN HARBORS ENV SERVICES INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: UTD981552177
Trans Name: CLEAN HARBORS ARAGONITE LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: 141 - Off-specification, aged, or surplus inorganics
RCRA Code: D001
Disposal Method: T03 - Treatment, Incineration
Quantity Tons: 0.02085
Waste Quantity: 5
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20041101
Creation Date: 1/28/2005 18:31:06
Receipt Date: 20041103
Manifest ID: 23456808

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AIR PRODUCTS AND CHEMICALS INC (Continued)

S113173215

Trans EPA ID: MAD039322250
Trans Name: CLEAN HARBORS ENV SERVICES INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: UTD981552177
Trans Name: CLEAN HARBORS ARAGONITE LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: 331 - Off-specification, aged, or surplus organics
RCRA Code: D001
Disposal Method: R01 - Recycler
Quantity Tons: 0.0396
Waste Quantity: 12
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20041101
Creation Date: 1/28/2005 18:31:06
Receipt Date: 20041103
Manifest ID: 23456808
Trans EPA ID: MAD039322250
Trans Name: CLEAN HARBORS ENV SERVICES INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: UTD981552177
Trans Name: CLEAN HARBORS ARAGONITE LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: 331 - Off-specification, aged, or surplus organics
RCRA Code: Not reported
Disposal Method: T03 - Treatment, Incineration
Quantity Tons: 0.132
Waste Quantity: 40
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20041025
Creation Date: 1/11/2005 18:30:51
Receipt Date: 20041102
Manifest ID: 23323416
Trans EPA ID: MAD039322250
Trans Name: CLEAN HARBORS ENV SERVICES INC
Trans 2 EPA ID: UTD988074712
Trans 2 Name: TW COMPANY
TSDF EPA ID: UTD981552177
Trans Name: CLEAN HARBORS ARAGONITE LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: 331 - Off-specification, aged, or surplus organics

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AIR PRODUCTS AND CHEMICALS INC (Continued)

S113173215

RCRA Code:	F002
Disposal Method:	T03 - Treatment, Incineration
Quantity Tons:	0.0225
Waste Quantity:	45
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20041025
Creation Date:	1/11/2005 18:30:51
Receipt Date:	20041102
Manifest ID:	23323416
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENV SERVICES INC
Trans 2 EPA ID:	UTD988074712
Trans 2 Name:	TW COMPANY
TSDF EPA ID:	UTD981552177
Trans Name:	CLEAN HARBORS ARAGONITE LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Disposal Method:	T03 - Treatment, Incineration
Quantity Tons:	0.25
Waste Quantity:	500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20041025
Creation Date:	1/11/2005 18:30:51
Receipt Date:	20041102
Manifest ID:	23323416
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENV SERVICES INC
Trans 2 EPA ID:	UTD988074712
Trans 2 Name:	TW COMPANY
TSDF EPA ID:	UTD981552177
Trans Name:	CLEAN HARBORS ARAGONITE LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	291 - Latex waste
RCRA Code:	NONE
Disposal Method:	H01 - Transfer Station
Quantity Tons:	0.175
Waste Quantity:	350
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AIR PRODUCTS AND CHEMICALS INC (Continued)

S113173215

Additional Code 5: Not reported

Additional Info:

Year: 1998
Gen EPA ID: CAR000001537

Shipment Date: 19980206
Creation Date: 4/16/1998 0:00:00
Receipt Date: 19980209
Manifest ID: 97455294
Trans EPA ID: ILD984908202
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAT000613976
Trans Name: Not reported
TSDF Alt EPA ID: CAT000613976
TSDF Alt Name: Not reported
CA Waste Code: 343 - Unspecified organic liquid mixture
RCRA Code: Not reported
Disposal Method: H01 - Transfer Station
Quantity Tons: 1.0132
Waste Quantity: 298
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:

Year: 2008
Gen EPA ID: CAR000001537

Shipment Date: 20080303
Creation Date: 5/30/2008 18:30:22
Receipt Date: 20080304
Manifest ID: 001713128FLE
Trans EPA ID: MAD039322250
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD044429835
Trans Name: CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: 352 - Other organic solids
RCRA Code: Not reported
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.1
Waste Quantity: 200
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AIR PRODUCTS AND CHEMICALS INC (Continued)

S113173215

Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20080303
Creation Date: 5/30/2008 18:30:22
Receipt Date: 20080304
Manifest ID: 001713128FLE
Trans EPA ID: MAD039322250
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD044429835
Trans Name: CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: 223 - Unspecified oil-containing waste
RCRA Code: Not reported
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.225
Waste Quantity: 450
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

CERS:

Name: AIR PRODUCTS AND CHEMICALS, INC. - LONG BEACH
Address: 901 WEST 12TH STREET
City,State,Zip: LONG BEACH, CA 90802
Site ID: 3619
CERS ID: 10155427
CERS Description: Chemical Storage Facilities

Violations:

Site ID: 3619
Site Name: Air Products and Chemicals, Inc. - Long Beach
Violation Date: 07-25-2017
Citation: 22 CCR 12 66262.34(d) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(d)
Violation Description: Failure to send hazardous waste offsite for treatment, storage, or disposal within 180 days (or 270 days if waste is transported over 200 miles) for a generator who generates less than 1000 kilogram per month if all of the following conditions are met: (1) The quantity of hazardous waste accumulated onsite never exceeds 6,000 kilograms. (2) The generator complies with the requirements of 40 Code of Federal Regulations section 262.34(d), (e) and (f). (3) The generator does not hold acutely hazardous waste or extremely hazardous waste in an amount greater than one kilogram for more than 90 days.
Violation Notes: Returned to compliance on 09/01/2017. Used oil and used absorbents have been stored on site for longer than 180 days. Dispose of this hazardous waste and retain documentation for re-inspection.
Violation Division: Long Beach Environmental Health
Violation Program: HW
Violation Source: CERS

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AIR PRODUCTS AND CHEMICALS INC (Continued)

S113173215

Site ID: 3619
Site Name: Air Products and Chemicals, Inc. - Long Beach
Violation Date: 02-24-2014
Citation: 19 CCR 4 2729.2(a)(3) - California Code of Regulations, Title 19, Chapter 4, Section(s) 2729.2(a)(3)
Violation Description: Failure to complete and/or submit an annotated site map if required by CUPA.
Violation Notes: Returned to compliance on 02/25/2014.
Violation Division: Long Beach Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 3619
Site Name: Air Products and Chemicals, Inc. - Long Beach
Violation Date: 02-24-2014
Citation: HSC 6.95 25504(a) - California Health and Safety Code, Chapter 6.95, Section(s) 25504(a)
Violation Description: Failure to complete and/or submit hazardous material inventory forms for all reportable hazardous materials on site.
Violation Notes: Returned to compliance on 02/25/2014.
Violation Division: Long Beach Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 3619
Site Name: Air Products and Chemicals, Inc. - Long Beach
Violation Date: 01-07-2014
Citation: 19 CCR 4 2729.2(a)(3) - California Code of Regulations, Title 19, Chapter 4, Section(s) 2729.2(a)(3)
Violation Description: Failure to complete and/or submit an annotated site map if required by CUPA.
Violation Notes: Returned to compliance on 02/25/2014.
Violation Division: Long Beach Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 3619
Site Name: Air Products and Chemicals, Inc. - Long Beach
Violation Date: 01-07-2014
Citation: HSC 6.95 25504(a) - California Health and Safety Code, Chapter 6.95, Section(s) 25504(a)
Violation Description: Failure to complete and/or submit hazardous material inventory forms for all reportable hazardous materials on site.
Violation Notes: Returned to compliance on 02/25/2014.
Violation Division: Long Beach Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 3619
Site Name: Air Products and Chemicals, Inc. - Long Beach
Violation Date: 08-05-2016
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Returned to compliance on 09/06/2016. In clude in chemical iventory

Map ID
Direction
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AIR PRODUCTS AND CHEMICALS INC (Continued)

S113173215

Violation Division: new above ground installaion waste oil product
Violation Program: Long Beach Environmental Heath
Violation Source: HMRRP
CERS

Evaluation:

Eval General Type: Other/Unknown
Eval Date: 01-07-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Long Beach Environmental Heath
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-07-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Long Beach Environmental Heath
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 09-01-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Re-inspection with no violations of a compressed gas supplier.
Hazardous and regulated 'waste has been disposed of and documentation
provided during the inspection. No violations at time of inspection.
Eval Division: Long Beach Environmental Heath
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-18-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: ON-SITE TO CONDUCT A ROUTINE INSPECTION OF AIR PRODUCTS. PERMISSION TO
INSPECT THE FACILITY WAS GRANTED TO ME BY JIM REEBEL, SENIOR PRINCIPAL
ENVIRONMENTAL ENGINEER. ALSO ON-SITE DURING THE INSPECTION WAS
GEOVANNI AGRAMONTE, WEST AREA MANAGER HELIUM OPERATIONS. THIS FACILITY
IS AN INDUSTRIAL GAS SUPPLIER AND IS SUBJECT TO THE HAZARDOUS
MATERIALS BUSINESS EMERGENCY PLAN REQUIREMENTS FOR HANDLING OR STORING
HAZARDOUS MATERIALS IN REPORTABLE QUANTITIES. (55 GALLONS-LIQUID, 200
CUBIC FEET-GAS, OR 500 LBS - SOLID). HAZARDOUS MATERIALS ON-SITE
INCLUDES FLAMMABLE AND NON-FLAMMABLE COMPRESSED GASES (GAS AND LIQUID
STATES), NEW OIL, DIESEL, PROPANE, COOLANT, JET FUEL , USED OIL AND
MISC. HAZARDOUS WASTE. REMEMBER TO ANNUALLY CERTIFY YOUR HAZARDOUS
MATERIALS BUSINESS EMERGENCY PLAN ELECTRONICALLY IN CERS.
<http://cers.calepa.ca.gov> IF YOU HAVE ANY QUESTIONS, PLEASE CONTACT ME
AT STEVEN SANTOS 562 570-2589 OR VIA EMAIL AT STEVEN.SANTOS@LONG
BEACH.GOV. THANK YOU
Eval Division: Long Beach Environmental Heath
Eval Program: HMRRP
Eval Source: CERS

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AIR PRODUCTS AND CHEMICALS INC (Continued)

S113173215

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-29-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Routine inspection with no violations of a compressed gas transfill facility. Fire extinguishers on site and housekeeping is good. A copy of this OIR was emailed to agramog@airproducts.com.
Eval Division: Long Beach Environmental Heath
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-05-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Long Beach Environmental Heath
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 02-24-2014
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Long Beach Environmental Heath
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-25-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Routine inspection with violations of a compressed gas supplier.
Eval Division: Long Beach Environmental Heath
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-20-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Routine inspection with no violations of a compressed gas facility.
Eval Division: Long Beach Environmental Heath
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-18-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: ON-SITE TO CONDUCT A ROUTINE INSPECTION OF AIR PRODUCTS. PERMISSION TO INSPECT THE FACILITY WAS GRANTED TO ME BY JIM REEBEL, SENIOR PRINCIPAL ENVIRONMENTAL ENGINEER. ALSO ON-SITE DURING THE INSPECTION WAS GEOVANNI AGRAMONTE, WEST AREA MANAGER HELIUM OPERATIONS. THIS FACILITY IS AN INDUSTRIAL GAS SUPPLIER AND IS SUBJECT TO THE ABOVEGROUND PETROLEUM STORAGE ACT (ASPA) REQUIREMENTS FOR STORING PETROLEUM IN

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AIR PRODUCTS AND CHEMICALS INC (Continued)

S113173215

ABOVEGROUND STORAGE TANKS(S) WITH AN AGGREGATE STORAGE CAPACITY (SHELL CAPACITY) OF GREATER THAN OR EQUAL TO 1320 GALLONS. FACILITY HAS RECENTLY UPDATED THEIR BUSINESS ACTIVITIES TO INDICATE THAT THEY HAVE GREATER THAN 1320 GALLONS OF ABOVEGROUND PETROLEUM STORAGE. TOTAL ABOVEGROUND STORAGE OBSERVED DURING THE INSPECTION WAS GREATER THAN 1320 GALLONS AND CONFIRMS BUSINESS ACTIVITIES REPORTED IN THE CALIFORNIA ENVIRONMENTAL REPORTING SYSTEM (CERS). ABOVEGROUND STORAGE OF OIL SUBJECT TO THE ABOVEGROUND PETROLEUM STORAGE ACT (APSA) INCLUDES USED OIL, LUBRICATING OIL, AND [Truncated]

Eval Division: Long Beach Environmental Health
Eval Program: APSA
Eval Source: CERS

Affiliation:

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 901 West 12th Street
Affiliation City: Long Beach
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90813
Affiliation Phone: Not reported

Affiliation Type Desc: Parent Corporation
Entity Name: Air Products and Chemicals, Inc.
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Identification Signer
Entity Name: Jim Reebe
Entity Title: Pr. Environmental Engineer
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner
Entity Name: Air Products and Chemicals, Inc.
Entity Title: Not reported
Affiliation Address: 7201 Hamilton Boulevard
Affiliation City: Allentown
Affiliation State: PA
Affiliation Country: United States
Affiliation Zip: 18195
Affiliation Phone: (610) 481-4911

Affiliation Type Desc: Operator
Entity Name: Air Products and Chemicals, Inc.
Entity Title: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AIR PRODUCTS AND CHEMICALS INC (Continued)

S113173215

Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (562) 437-0462

Affiliation Type Desc: Document Preparer
Entity Name: Jim Reebe
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Environmental Contact
Entity Name: Jim Reebe
Entity Title: Not reported
Affiliation Address: 901 West 12th Street
Affiliation City: Long Beach
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90802
Affiliation Phone: Not reported

Affiliation Type Desc: CUPA District
Entity Name: Long Beach Environmental Heath
Entity Title: Not reported
Affiliation Address: 2525 Grand Avenue
Affiliation City: Long Beach
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90815
Affiliation Phone: (562) 570-4131

HWTS:

Name: AIR PRODUCTS AND CHEMICALS INC
Address: 901 W 12TH ST
Address 2: Not reported
City,State,Zip: LONG BEACH, CA 908132813
EPA ID: CAR000001537
Inactive Date: Not reported
Create Date: 10/19/1995
Last Act Date: 08/30/2019
Mailing Name: Not reported
Mailing Address: 98 INDUSTRIAL CT
Mailing Address 2: Not reported
Mailing City,State,Zip: GALT, CA 956321562
Owner Name: AIR PRODUCTS AND CHEMICALS INC
Owner Address: 7201 HAMILTON BLVD
Owner Address 2: Not reported
Owner City,State,Zip: ALLENTOWN, PA 181951501
Contact Name: KEITH J. LEINBACH
Contact Address: 98 INDUSTRIAL CT

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AIR PRODUCTS AND CHEMICALS INC (Continued)

S113173215

Contact Address 2: Not reported
City,State,Zip: GALT, CA 95632
NAICS:
EPA ID: CAR000001537
Create Date: 2002-03-14 16:36:30
NAICS Code: 42269
NAICS Description: Other Chemical and Allied Products Wholesalers
Issued EPA ID Date: 1995-10-19 00:00:00
Inactive Date: Not reported
Facility Name: AIR PRODUCTS AND CHEMICALS INC
Facility Address: 901 W 12TH ST
Facility Address 2: Not reported
Facility City: LONG BEACH
Facility County: 19
Facility State: CA
Facility Zip: 908132813

C14
East
< 1/8
0.063 mi.
333 ft.

CLARIANT CORPORATION-OIL SERVICES
801 W 14TH ST
LONG BEACH, CA 90813

RCRA NonGen / NLR

1024802358
CAL000240518

Site 5 of 10 in cluster C

Relative:
Lower

RCRA NonGen / NLR:

Actual:
11 ft.

Date form received by agency: 2002-02-22 00:00:00.0
Facility name: CLARIANT CORPORATION-OIL SERVICES
Facility address: 801 W 14TH ST
LONG BEACH, CA 90813-1403
EPA ID: CAL000240518
Mailing address: 4000 MONROE ROAD
CHARLOTTE, NC 28205-0000
Contact: GIL INSLEY
Contact address: 4000 MONROE ROAD
CHARLOTTE, NC 28205
Contact country: Not reported
Contact telephone: 704-331-7722
Contact email: GIL.INSLEY@CLARIANT.COM
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: GIL INSLEY
Owner/operator address: 4000 MONROE ROAD
CHARLOTTE, NC 28205

Owner/operator country: Not reported
Owner/operator telephone: 704-331-7722
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: CLARIANT CORP

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CLARIANT CORPORATION-OIL SERVICES (Continued)

1024802358

Owner/operator address: 4000 MONROE ROAD
CHARLOTTE, NC 28205
Owner/operator country: Not reported
Owner/operator telephone: 704-331-7722
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: Yes
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

C15
East
< 1/8
0.063 mi.
333 ft.

TECHNICAL SERVICE COMPANY
801 WEST 14TH STREET
LONG BEACH, CA 90813
Site 6 of 10 in cluster C

CA HIST UST **S118415951**
N/A

Relative:
Lower

Actual:
11 ft.

HIST UST:
Name: TECHNICAL SERVICE COMPANY
Address: 801 WEST 14TH STREET
City,State,Zip: LONG BEACH, CA 90813
File Number: 000289B5
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/000289B5.pdf>
Region: Not reported
Facility ID: Not reported
Facility Type: Not reported
Other Type: Not reported
Contact Name: Not reported
Telephone: Not reported
Owner Name: Not reported
Owner Address: Not reported
Owner City,St,Zip: Not reported
Total Tanks: Not reported

Tank Num: Not reported
Container Num: Not reported
Year Installed: Not reported
Tank Capacity: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TECHNICAL SERVICE COMPANY (Continued)

S118415951

Tank Used for: Not reported
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Not reported

[Click here for Geo Tracker PDF:](#)

C16
East
< 1/8
0.063 mi.
333 ft.

CLARIANT CORP
801 W 14TH ST
LONG BEACH, CA

CA AST **A100323455**
N/A

Site 7 of 10 in cluster C

Relative:
Lower
Actual:
11 ft.

AST:
Name: CLARIANT CORP
Address: 801 W 14TH ST
City/Zip: LONG BEACH,
Certified Unified Program Agencies: Long Beach
Owner: CLARIANT CORP
Total Gallons: 8,000
CERSID: Not reported
Facility ID: Not reported
Business Name: Not reported
Phone: Not reported
Fax: Not reported
Mailing Address: Not reported
Mailing Address City: Not reported
Mailing Address State: Not reported
Mailing Address Zip Code: Not reported
Operator Name: Not reported
Operator Phone: Not reported
Owner Phone: Not reported
Owner Mail Address: Not reported
Owner State: Not reported
Owner Zip Code: Not reported
Owner Country: Not reported
Property Owner Name: Not reported
Property Owner Phone: Not reported
Property Owner Mailing Address: Not reported
Property Owner City: Not reported
Property Owner Stat : Not reported
Property Owner Zip Code: Not reported
Property Owner Country: Not reported
EPAID: Not reported

C17
East
< 1/8
0.063 mi.
333 ft.

FORMER CLARIANT CORPORATION FACILITY
801 W 14TH ST
LONG BEACH, CA 90813

CA LUST **S122356234**
CA Cortese **N/A**
CA CERS

Site 8 of 10 in cluster C

Relative:
Lower
Actual:
11 ft.

LUST:
Name: FORMER CLARIANT CORPORATION FACILITY
Address: 801 W 14TH ST
City,State,Zip: LONG BEACH, CA 90813
Lead Agency: LOS ANGELES RWQCB (REGION 4)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER CLARIANT CORPORATION FACILITY (Continued)

S122356234

Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=SL204EB2404
Global Id: SL204EB2404
Latitude: 33.783791
Longitude: -118.200043
Status: Open - Site Assessment
Status Date: 05/27/2016
Case Worker: NC
RB Case Number: 908130407A
Local Agency: Not reported
File Location: Regional Board
Local Case Number: Not reported
Potential Media Affect: Aquifer used for drinking water supply, Soil
Potential Contaminants of Concern: Benzene, Toluene, Xylene, Diesel, Gasoline
Site History:

Between May 2001 and December 2011, the Site was owned and operated by Clariant Corporation (Clariant) for storage for chemicals used in treatment of oil production wells. In December 2011, the property was sold by Clariant to MJZ Properties LLC of Long Beach. For approximately 30 years prior to May 2001, it was occupied by the former Technical Service Company providing bulk quantities of chemicals (corrosion and scale inhibitors). The Site is approximately one-half acre, square, and includes one single-story manufacturing / office building built in 1963 with an asphalt paved parking area. It is in an industrial area approximately 750 feet east of the Los Angeles River, approximately 10 feet above mean sea level. The Site formerly included seventeen on-site aboveground storage tanks (ASTs) and three underground storage tanks (USTs); one 5,000-gallon for gasoline, one 10,000-gallon for gasoline, and one 1,000-gallon for isopropyl alcohol. These USTs were removed from the Site in 1989. Chlorinated solvents, such as 1,1,1-trichloroethane (1,1,1-TCA), were released on-site from a laboratory which was removed in 1989. A determination of no further action was issued the Regional Board UST Program on April 4, 1997, for the removal of the on-site USTs. On October 25, 2000, the Regional Board, Site Cleanup Program, issued a letter pursuant to California Water Code (CWC), Section 13267, requiring subsurface investigation of soil and groundwater at the Site.

LUST:

Global Id: SL204EB2404
Contact Type: Regional Board Caseworker
Contact Name: NOMAN CHOWDHURY
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 WEST 4TH STREET, SUITE 200
City: LOS ANGELES
Email: nchowdhury@waterboards.ca.gov
Phone Number: 2135766704

LUST:

Global Id: SL204EB2404
Action Type: ENFORCEMENT
Date: 10/18/2013
Action: Technical Correspondence / Assistance / Other

Global Id: SL204EB2404
Action Type: ENFORCEMENT
Date: 04/03/2013

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER CLARIANT CORPORATION FACILITY (Continued)

S122356234

Action:	Technical Correspondence / Assistance / Other
Global Id:	SL204EB2404
Action Type:	ENFORCEMENT
Date:	06/08/2017
Action:	Staff Letter
Global Id:	SL204EB2404
Action Type:	ENFORCEMENT
Date:	12/20/2012
Action:	Technical Correspondence / Assistance / Other
Global Id:	SL204EB2404
Action Type:	ENFORCEMENT
Date:	12/23/2013
Action:	Technical Correspondence / Assistance / Other
Global Id:	SL204EB2404
Action Type:	ENFORCEMENT
Date:	10/25/2000
Action:	Staff Letter
Global Id:	SL204EB2404
Action Type:	ENFORCEMENT
Date:	10/13/2009
Action:	13267 Requirement - #101309
Global Id:	SL204EB2404
Action Type:	ENFORCEMENT
Date:	01/28/2010
Action:	Technical Correspondence / Assistance / Other - #012810
Global Id:	SL204EB2404
Action Type:	ENFORCEMENT
Date:	12/03/2010
Action:	Technical Correspondence / Assistance / Other
Global Id:	SL204EB2404
Action Type:	ENFORCEMENT
Date:	11/23/2010
Action:	Technical Correspondence / Assistance / Other - #112310
Global Id:	SL204EB2404
Action Type:	ENFORCEMENT
Date:	08/10/2015
Action:	Technical Correspondence / Assistance / Other
Global Id:	SL204EB2404
Action Type:	Other
Date:	06/01/2010
Action:	Leak Began
Global Id:	SL204EB2404
Action Type:	ENFORCEMENT
Date:	07/15/2010
Action:	Technical Correspondence / Assistance / Other

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER CLARIANT CORPORATION FACILITY (Continued)

S122356234

Global Id:	SL204EB2404
Action Type:	ENFORCEMENT
Date:	06/30/2015
Action:	Technical Correspondence / Assistance / Other
Global Id:	SL204EB2404
Action Type:	ENFORCEMENT
Date:	05/16/2014
Action:	Technical Correspondence / Assistance / Other
Global Id:	SL204EB2404
Action Type:	ENFORCEMENT
Date:	05/03/2010
Action:	Technical Correspondence / Assistance / Other - #050310
Global Id:	SL204EB2404
Action Type:	ENFORCEMENT
Date:	02/10/2011
Action:	Waste Discharge Requirements
Global Id:	SL204EB2404
Action Type:	ENFORCEMENT
Date:	05/27/2016
Action:	Technical Correspondence / Assistance / Other
Global Id:	SL204EB2404
Action Type:	RESPONSE
Date:	04/30/2003
Action:	Monitoring Report - Quarterly
Global Id:	SL204EB2404
Action Type:	RESPONSE
Date:	04/15/2019
Action:	Monitoring Report - Semi-Annually
Global Id:	SL204EB2404
Action Type:	RESPONSE
Date:	01/15/2019
Action:	Monitoring Report - Semi-Annually
Global Id:	SL204EB2404
Action Type:	RESPONSE
Date:	01/15/2017
Action:	Monitoring Report - Quarterly
Global Id:	SL204EB2404
Action Type:	RESPONSE
Date:	07/15/2017
Action:	Monitoring Report - Semi-Annually
Global Id:	SL204EB2404
Action Type:	RESPONSE
Date:	08/31/2017
Action:	Remedial Progress Report
Global Id:	SL204EB2404
Action Type:	RESPONSE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER CLARIANT CORPORATION FACILITY (Continued)

S122356234

Date:	04/23/2018
Action:	Interim Remedial Action Report
Global Id:	SL204EB2404
Action Type:	Other
Date:	06/01/2010
Action:	Leak Discovery
Global Id:	SL204EB2404
Action Type:	Other
Date:	06/01/2010
Action:	Leak Stopped
Global Id:	SL204EB2404
Action Type:	RESPONSE
Date:	10/15/2016
Action:	Monitoring Report - Quarterly
Global Id:	SL204EB2404
Action Type:	RESPONSE
Date:	07/15/2018
Action:	Monitoring Report - Semi-Annually
Global Id:	SL204EB2404
Action Type:	RESPONSE
Date:	01/15/2018
Action:	Monitoring Report - Semi-Annually
Global Id:	SL204EB2404
Action Type:	RESPONSE
Date:	04/15/2017
Action:	Monitoring Report - Quarterly
Global Id:	SL204EB2404
Action Type:	RESPONSE
Date:	07/15/2016
Action:	Conceptual Site Model
Global Id:	SL204EB2404
Action Type:	RESPONSE
Date:	07/15/2016
Action:	Monitoring Report - Quarterly
Global Id:	SL204EB2404
Action Type:	RESPONSE
Date:	02/21/2013
Action:	Request for Closure - Regulator Responded
Global Id:	SL204EB2404
Action Type:	RESPONSE
Date:	12/13/2013
Action:	Soil Vapor Intrusion Investigation Workplan - Regulator Responded
Global Id:	SL204EB2404
Action Type:	RESPONSE
Date:	03/14/2017
Action:	Corrective Action Plan / Remedial Action Plan - Regulator Responded

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER CLARIANT CORPORATION FACILITY (Continued)

S122356234

Global Id: SL204EB2404
Action Type: ENFORCEMENT
Date: 02/02/2012
Action: Technical Correspondence / Assistance / Other

Global Id: SL204EB2404
Action Type: ENFORCEMENT
Date: 05/24/2011
Action: Technical Correspondence / Assistance / Other

Global Id: SL204EB2404
Action Type: ENFORCEMENT
Date: 05/23/2011
Action: Technical Correspondence / Assistance / Other

Global Id: SL204EB2404
Action Type: ENFORCEMENT
Date: 09/15/2015
Action: Closure/No Further Action Letter

Global Id: SL204EB2404
Action Type: Other
Date: 02/28/2007
Action: Leak Reported

LUST:

Global Id: SL204EB2404
Status: Open - Assessment & Interim Remedial Action
Status Date: 10/23/2000

Global Id: SL204EB2404
Status: Open - Case Begin Date
Status Date: 10/23/2000

Global Id: SL204EB2404
Status: Open - Assessment & Interim Remedial Action
Status Date: 02/02/2012

Global Id: SL204EB2404
Status: Open - Verification Monitoring
Status Date: 09/15/2015

Global Id: SL204EB2404
Status: Completed - Case Closed
Status Date: 05/25/2016

Global Id: SL204EB2404
Status: Open - Reopen Case
Status Date: 05/26/2016

Global Id: SL204EB2404
Status: Open - Site Assessment
Status Date: 05/27/2016

CORTESE:

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER CLARIANT CORPORATION FACILITY (Continued)

S122356234

Name: FORMER CLARIANT CORPORATION FACILITY
Address: 801 W 14TH ST
City,State,Zip: LONG BEACH, CA 90813
Region: CORTESE
Envirostor Id: Not reported
Global ID: SL204EB2404
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: OPEN - SITE ASSESSMENT
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

CERS:

Name: FORMER CLARIANT CORPORATION FACILITY
Address: 801 W 14TH ST
City,State,Zip: LONG BEACH, CA 90813
Site ID: 217694
CERS ID: SL204EB2404
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc: Regional Board Caseworker
Entity Name: NOMAN CHOWDHURY - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: 320 WEST 4TH STREET, SUITE 200
Affiliation City: LOS ANGELES
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 2135766704

C18
East
< 1/8
0.063 mi.
333 ft.
Relative:
Lower
Actual:
11 ft.

T R O I L S E R V I C E S L O B
801 WEST 14TH STREET
LONG BEACH, CA 90813
Site 9 of 10 in cluster C

LUST REG 4:
Region:

4

CA LUST **1000243102**
CA CPS-SLIC **CAD981380199**
CA UST
CA SWEEPS UST
CA HIST UST
CA FID UST
RCRA NonGen / NLR
FINDS
ECHO
CA HIST CORTESE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

T R O I L S E R V I C E S L O B (Continued)

1000243102

Regional Board:	04	
County:	Los Angeles	
Facility Id:	908130407	
Status:	Case Closed	
Substance:	Gasoline	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Groundwater	
Abatement Method Used at the Site:	Not reported	
Global ID:	T0603701954	
W Global ID:	Not reported	
Staff:	UNK	
Local Agency:	19060	
Cross Street:	Not reported	
Enforcement Type:	Not reported	
Date Leak Discovered:	2/3/1989	
Date Leak First Reported:		3/4/1989
Date Leak Record Entered:	Not reported	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	2/3/1989	
Date Case Last Changed on Database:		3/24/1997
Date the Case was Closed:		4/4/1997
How Leak Discovered:	Tank Closure	
How Leak Stopped:	Not reported	
Cause of Leak:	Corrosion	
Leak Source:	Tank	
Operator:	OLD CASE #040689-02	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		16037.927017457114671658614842
Source of Cleanup Funding:		Tank
Preliminary Site Assessment Workplan Submitted:	Not reported	
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		4/6/1989
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	TECHNICAL SERVICES COMPANY	
RP Address:	SAME AS SITE	
Program:	LUST	
Lat/Long:	33.7839377 / -1	
Local Agency Staff:	Not reported	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	
Assigned Name:	Not reported	
Summary:	SOIL TPH (MAX)= 29 MG/KG. G/W @ 10' DEEP.	

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

T R O I L S E R V I C E S L O B (Continued)

1000243102

SLIC REG 4:

Region: 4
Facility Status: Site Assessment
SLIC: 0988
Substance: TPH/VOCs
Staff: RE

LONG BEACH UST:

DATA AS OF 02/25/2014:

Name: TECHNICAL SERVICE CO
Address: 0801 W 14TH ST
City,State,Zip: LONG BEACH, CA
Region: LONG BEACH
Tanks: 0T
Tank Test: Not reported
Leak Test: Not reported
Tank Status: Not reported

SWEEPS UST:

Name: TECHNICAL SERVICE COMPANY
Address: 801 W 014TH ST
City: LONG BEACH
Status: Active
Comp Number: 3103
Number: 9
Board Of Equalization: 44-013286
Referral Date: 07-01-85
Action Date: Not reported
Created Date: 02-29-88
Owner Tank Id: 1
SWRCB Tank Id: 19-060-003103-000001
Tank Status: A
Capacity: 5000
Active Date: 07-01-85
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: 5

Name: TECHNICAL SERVICE COMPANY
Address: 801 W 014TH ST
City: LONG BEACH
Status: Active
Comp Number: 3103
Number: 9
Board Of Equalization: 44-013286
Referral Date: 07-01-85
Action Date: Not reported
Created Date: 02-29-88
Owner Tank Id: 2
SWRCB Tank Id: 19-060-003103-000002
Tank Status: A
Capacity: 1000
Active Date: 07-01-85
Tank Use: UNKNOWN

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

T R O I L S E R V I C E S L O B (Continued)

1000243102

STG: P
Content: Not reported
Number Of Tanks: Not reported

Name: TECHNICAL SERVICE COMPANY
Address: 801 W 014TH ST
City: LONG BEACH
Status: Active
Comp Number: 3103
Number: 9
Board Of Equalization: 44-013286
Referral Date: 07-01-85
Action Date: Not reported
Created Date: 02-29-88
Owner Tank Id: 3
SWRCB Tank Id: 19-060-003103-000003
Tank Status: A
Capacity: 5000
Active Date: 07-01-85
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Name: TECHNICAL SERVICE COMPANY
Address: 801 W 014TH ST
City: LONG BEACH
Status: Active
Comp Number: 3103
Number: 9
Board Of Equalization: 44-013286
Referral Date: 07-01-85
Action Date: Not reported
Created Date: 02-29-88
Owner Tank Id: 4
SWRCB Tank Id: 19-060-003103-000004
Tank Status: A
Capacity: 10000
Active Date: 07-01-85
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Name: TECHNICAL SERVICE COMPANY
Address: 801 W 014TH ST
City: LONG BEACH
Status: Active
Comp Number: 3103
Number: 9
Board Of Equalization: 44-013286
Referral Date: 07-01-85
Action Date: Not reported
Created Date: 02-29-88
Owner Tank Id: 5
SWRCB Tank Id: 19-060-003103-000005
Tank Status: A

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

T R O I L S E R V I C E S L O B (Continued)

1000243102

Capacity: 1500
Active Date: 07-01-85
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

HIST UST:

Name: TECHNICAL SERVICE COMPANY
Address: 801 W 14TH ST
City,State,Zip: LONG BEACH, CA 90813
File Number: Not reported
URL: Not reported
Region: STATE
Facility ID: 00000003103
Facility Type: Other
Other Type: Not reported
Contact Name: JOHN D. WOODRUFF
Telephone: 2134369901
Owner Name: TECHNICAL SERVICE COMPANY
Owner Address: 801 WEST 14TH STREET
Owner City,St,Zip: LONG BEACH, CA 90813
Total Tanks: 0005

Tank Num: 001
Container Num: 1
Year Installed: 1968
Tank Capacity: 00005000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: 1/4
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: 2
Year Installed: 1978
Tank Capacity: 00001000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: 1/4
Leak Detection: Stock Inventor

Tank Num: 003
Container Num: 3
Year Installed: 1978
Tank Capacity: 00005000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: 1/4
Leak Detection: Stock Inventor

Tank Num: 004
Container Num: 4
Year Installed: 1980
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

T R O I L S E R V I C E S L O B (Continued)

1000243102

Container Construction Thickness: 1/4
Leak Detection: Stock Inventor

Tank Num: 005
Container Num: 5
Year Installed: 1965
Tank Capacity: 00001500
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 6
Leak Detection: None

CA FID UST:

Facility ID: 19056600
Regulated By: UTKNA
Regulated ID: 00003103
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 2134369901
Mail To: Not reported
Mailing Address: 801 W 014TH ST
Mailing Address 2: Not reported
Mailing City,St,Zip: LONG BEACH 90813
Contact: Not reported
Contact Phone: Not reported
DUNS Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

RCRA NonGen / NLR:

Date form received by agency: 2002-04-02 00:00:00.0
Facility name: T R O I L S E R V I C E S L O B
Facility address: 801 WEST 14TH STREET
LONG BEACH, CA 90813
EPA ID: CAD981380199
Mailing address: 2675 JUNIPERO AVE STE 800
SIGNAL HILL, CA 90806
Contact: DEVON BENCH
Contact address: 801 WEST 14TH STREET
LONG BEACH, CA 90813
Contact country: US
Contact telephone: 562-436-9901
Contact email: Not reported
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

T R OIL SERVICES L O B (Continued)

1000243102

Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: T R OIL SERVICES INC
Owner/operator address: 333 N SAM HOUSTON PKWY NO 900
HOUSTON, TX 77060

Owner/operator country: Not reported
Owner/operator telephone: 281-447-7728
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Hazardous Waste Summary:

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D029
. Waste name: 1,1-DICHLOROETHYLENE

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING:
TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE,
1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED
FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING
CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF
ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED
IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

T R OIL SERVICES L O B (Continued)

1000243102

SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

- . Waste code: F003
- . Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
- . Waste code: U002
- . Waste name: 2-PROPANONE (I) (OR) ACETONE (I)
- . Waste code: U078
- . Waste name: 1,1-DICHLOROETHYLENE (OR) ETHENE, 1,1-DICHLORO-
- . Waste code: U165
- . Waste name: NAPHTHALENE
- . Waste code: U220
- . Waste name: BENZENE, METHYL- (OR) TOLUENE
- . Waste code: U227
- . Waste name: 1,1,2-TRICHLOROETHANE (OR) ETHANE, 1,1,2-TRICHLORO-

Violation Status: No violations found

FINDS:

Registry ID: 110002687441
Facility URL: http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110002687441

Environmental Interest/Information System:

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1000243102
Registry ID: 110002687441
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110002687441>
Name: T R OIL SERVICES L O B
Address: 801 WEST 14TH STREET
City,State,Zip: LONG BEACH, CA 90813

HIST CORTESE:

edr_fname: TECHNICAL SERVICE COMPAN
edr_fadd1: 801 014TH

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

T R O I L S E R V I C E S L O B (Continued)

1000243102

City,State,Zip: LONG BEACH, CA 90813
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 9080130407

D19
ENE
< 1/8
0.063 mi.
334 ft.

A CHECKERED TOWING & AUTO CENTER
812 W COWLES ST
LONG BEACH, CA 90813

CA CERS HAZ WASTE
CA CERS

S123519946
N/A

Site 3 of 3 in cluster D

Relative:
Lower

CERS HAZ WASTE:

Actual:
12 ft.

Name: A CHECKERED TOWING & AUTO CENTER
Address: 812 W COWLES ST
City,State,Zip: LONG BEACH, CA 90813
Site ID: 427283
CERS ID: 10612255
CERS Description: Hazardous Waste Generator

CERS:

Name: A CHECKERED TOWING & AUTO CENTER
Address: 812 W COWLES ST
City,State,Zip: LONG BEACH, CA 90813
Site ID: 427283
CERS ID: 10612255
CERS Description: Chemical Storage Facilities

Violations:

Site ID: 427283
Site Name: A CHECKERED TOWING & AUTO CENTER
Violation Date: 08-08-2017
Citation: Un-Specified
Violation Description: Business Plan Program - Administration/Documentation - General Local Ordinance
Violation Notes: Returned to compliance on 10/03/2017. Fire Extinguishers are out of date, need to be serviced
Violation Division: Long Beach Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 427283
Site Name: A CHECKERED TOWING & AUTO CENTER
Violation Date: 10-14-2014
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to establish and electronically submit an adequate training program in safety procedures in the event of a release or threatened release of a hazardous material.
Violation Notes: Returned to compliance on 12/22/2014.
Violation Division: Long Beach Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 427283
Site Name: A CHECKERED TOWING & AUTO CENTER
Violation Date: 08-08-2017
Citation: Un-Specified

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A CHECKERED TOWING & AUTO CENTER (Continued)

S123519946

Violation Description: Business Plan Program - Administration/Documentation - General Local Ordinance

Violation Notes: Returned to compliance on 10/03/2017. Provide Secondary containment for waste barrels

Violation Division: Long Beach Environmental Heath

Violation Program: HMRRP

Violation Source: CERS

Site ID: 427283

Site Name: A CHECKERED TOWING & AUTO CENTER

Violation Date: 09-05-2019

Citation: HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2

Violation Description: Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.

Violation Notes: Returned to compliance on 09/18/2019. OBSERVATION: The business failed to electronically submit and certify that the business plan is complete, accurate, and in compliance with EPCRA on or before the annual due date. CORRECTIVE ACTION: Electronically submit to the California Environmental Reporting System (CERS), located at <https://cersbusiness.calepa.ca.gov/Account/Signin> and certify that the business plan is complete, accurate, and in compliance with EPCRA on or before the annual due date.

Violation Division: Long Beach Environmental Heath

Violation Program: HMRRP

Violation Source: CERS

Site ID: 427283

Site Name: A CHECKERED TOWING & AUTO CENTER

Violation Date: 10-03-2017

Citation: HSC 6.67 25270.6(b) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.6(b)

Violation Description: Failure to pay the APSA Program fee.

Violation Notes: Returned to compliance on 12/15/2017. OBSERVATION: FACILITY DOES NOT HAVE A CUPA PERMIT FOR THE ABOVE GROUND PETROLEUM STORAGE ACT (APSA). ABOVE GROUND STORAGE HAS BEEN GREATER THAN 1320 GALLONS FOR ABOUT 2 YEARS, PER MANUEL LUZANIILA. CORRECTIVE ACTION: AN INVOICE WILL BE SENT TO YOUR FACILITY FOR THE APSA PROGRAM. PAY ALL FEES DUE.

Violation Division: Long Beach Environmental Heath

Violation Program: APSA

Violation Source: CERS

Site ID: 427283

Site Name: A CHECKERED TOWING & AUTO CENTER

Violation Date: 08-08-2017

Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)

Violation Description: Failure to complete and electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.

Violation Notes: Returned to compliance on 10/03/2017. OBSERVATION: Failure to annually review and electronically certify that the business plan is complete, accurate, and up-to-date. CORRECTIVE ACTION: Annually review and electronically certify that the business plan is complete, accurate, and up-to-date.

Violation Division: Long Beach Environmental Heath

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A CHECKERED TOWING & AUTO CENTER (Continued)

S123519946

Violation Program: HMRRP
Violation Source: CERS

Site ID: 427283
Site Name: A CHECKERED TOWING & AUTO CENTER
Violation Date: 08-08-2017
Citation: Un-Specified
Violation Description: Business Plan Program - Administration/Documentation - General Local Ordinance

Violation Notes: Returned to compliance on 10/03/2017. Provide Haz Waste labels on waste barrels

Violation Division: Long Beach Environmental Heath
Violation Program: HMRRP
Violation Source: CERS

Site ID: 427283
Site Name: A CHECKERED TOWING & AUTO CENTER
Violation Date: 08-08-2017
Citation: Un-Specified
Violation Description: Business Plan Program - Administration/Documentation - General Local Ordinance

Violation Notes: Returned to compliance on 10/03/2017. Propane to be stored outdoors

Violation Division: Long Beach Environmental Heath
Violation Program: HMRRP
Violation Source: CERS

Site ID: 427283
Site Name: A CHECKERED TOWING & AUTO CENTER
Violation Date: 10-03-2017
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description: Failure to prepare and implement a Spill Prevention Control and Countermeasure (SPCC) Plan.
Violation Notes: Returned to compliance on 12/15/2017. OBSERVATION: FACILITY DOES NOT HAVE A SPILL PREVENTION CONTROL AND COUNTER MEASURE (PLAN). FACILITY STORES GREATER THAN 1320 GALLONS OF OIL (PETROLEUM) ON-SITE. FACILITY HAS LESS THAN 10,000 GALLONS OF OIL IN ABOVE GROUND TANKS AND NO SINGLE TANK IS GREATER THAN 5,000 GALLONS. CORRECTIVE ACTION: WITHIN 30 DAYS, PREPARE A SPILL PREVENTION CONTROL AND COUNTER MEASURE (SPCC) PLAN. A TIER I TEMPLATE WAS PROVIDED TO FACILITY. YOU MAY CHOOSE TO USE THE TEMPLATE IF YOUR FACILITY MEET THE TIER I QUALIFIED REQUIREMENTS. NOTE: REDUCING YOUR ABOVEGROUND OIL STORAGE BELOW 1320 GALLONS MAY EXEMPT YOUR FACILITY FROM SPCC REQUIREMENTS. REFER TO 40 CFR 112 FOR DETAILS OR CONTACT ME FOR ADDITIONAL INFORMATION.

Violation Division: Long Beach Environmental Heath
Violation Program: APSA
Violation Source: CERS

Site ID: 427283
Site Name: A CHECKERED TOWING & AUTO CENTER
Violation Date: 09-05-2019
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description: Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A CHECKERED TOWING & AUTO CENTER (Continued)

S123519946

Violation Notes: OBSERVATION: The business failed to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material including familiarity with the emergency response plan or failure to document and maintain training records for a minimum of three years. CORRECTIVE ACTION: Establish and electronically submit an employee training program containing provisions to ensure initial and annual training for all employees in safety procedures in the event of a release or threatened release of a hazardous material and document and maintain training records for a minimum of three years.

Violation Division: Long Beach Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 427283
Site Name: A CHECKERED TOWING & AUTO CENTER
Violation Date: 04-01-2015
Citation: 22 CCR 12 66262.34(d) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(d)
Violation Description: Failure to dispose of hazardous waste within 180 days (or 270 if waste is transported over 200 miles) for the generator who generates less than 1000 kilogram per month, but more than 100 kilograms per month.

Violation Notes: Returned to compliance on 05/01/2015. Dispose of used oil stored onsite and retain manifest for re-inspection.

Violation Division: Long Beach Environmental Health
Violation Program: HW
Violation Source: CERS

Site ID: 427283
Site Name: A CHECKERED TOWING & AUTO CENTER
Violation Date: 08-08-2017
Citation: Un-Specified
Violation Description: Business Plan Program - Administration/Documentation - General Local Ordinance

Violation Notes: Returned to compliance on 10/03/2017. Remove slide bolts from Exit Door

Violation Division: Long Beach Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 427283
Site Name: A CHECKERED TOWING & AUTO CENTER
Violation Date: 10-03-2017
Citation: HSC 6.67 Multiple - California Health and Safety Code, Chapter 6.67, Section(s) Multiple
Violation Description: APSA Program - Administration/Documentation - General

Violation Notes: Returned to compliance on 12/15/2017. OBSERVATION: OBSERVED ONE 55 GALLON DRUM OF OIL (NEW MOTOR OIL) WITHOUT SECONDARY CONTAINMENT. CORRECTIVE ACTION: PROVIDE SECONDARY CONTAINMENT FOR THE 55 GALLON DRUM OF OIL. PER 40 CF4 112. BULK STORAGE CONTAINERS. A RE-INSPECTION WILL BE CONDUCTED ON OR AFTER 11/3/17 TO DETERMINE COMPLIANCE.

Violation Division: Long Beach Environmental Health
Violation Program: APSA
Violation Source: CERS

Site ID: 427283
Site Name: A CHECKERED TOWING & AUTO CENTER

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A CHECKERED TOWING & AUTO CENTER (Continued)

S123519946

Violation Date: 10-14-2014
Citation: HSC 6.95 25508(b) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(b)
Violation Description: Failure to review, revise, and recertify the business plan at least once every three years.
Violation Notes: Returned to compliance on 12/22/2014.
Violation Division: Long Beach Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 427283
Site Name: A CHECKERED TOWING & AUTO CENTER
Violation Date: 08-08-2017
Citation: Un-Specified
Violation Description: Business Plan Program - Administration/Documentation - General Local Ordinance
Violation Notes: Submit plans, obtain permit for above ground diesel tanks
Violation Division: Long Beach Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-01-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Routine inspection w/ a violation of a Towing Service yard. This facility no longer conducts fleet services onsite and would like to be removed from the LB Hazardous Waste Program.
Eval Division: Long Beach Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-08-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Long Beach Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 10-03-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Long Beach Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-14-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Long Beach Environmental Health

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A CHECKERED TOWING & AUTO CENTER (Continued)

S123519946

Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 09-17-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: On site to conduct a follow-up HMBP inspection. The HMBP was updated and resubmitted in CERS. Ensure to complete the employee training and provide a copy of the training record to me at Brian.Erdman@longbeach.gov. Also Ensure to submit plans for the 1000 gallon AST of Diesel Fuel. For additional information regarding building permit requirements and exceptions, please refer to Long Beach Municipal Code Section 18.04, or contact us at (562) 570.LBDS (5237).

Eval Division: Long Beach Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-03-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: ON-SITE TO CONDUCT A ROUTINE INSPECTION OF A CHECKERED TOWING. PERMISSION TO INSPECT THE FACILITY WAS GRANTED TO ME BY MONICA LUZANILLA, OFFICE MANAGER. ALSO ON-SITE DURING THE INSPECTION WAS MANUEL LUZANILLA, GENERAL MANAGER. THIS FACILITY IS A TOWING COMPANY AND IS SUBJECT TO THE ABOVEGROUND PETROLEUM STORAGE ACT (APSA) REQUIREMENTS FOR STORING PETROLEUM IN ABOVEGROUND STORAGE TANK(S) WITH AN AGGREGATE STORAGE CAPACITY (SHELL CAPACITY) OF GREATER THAN OR EQUAL TO 1320 GALLONS OF PETROLEUM. TOTAL ABOVEGROUND PETROLEUM STORAGE OBSERVED DURING THE INSPECTION WAS 2055 GALLONS. REMEMBER TO ANNUALLY CERTIFY YOUR HAZARDOUS MATERIALS BUSINESS EMERGENCY PLAN ELECTRONICALLY IN CERS. <http://cers.calepa.ca.gov> FOR ADDITIONAL INFORMATION ON THE ABOVEGROUND PETROLEUM STORAGE ACT (APSA) FOLLOW THE LINK: <http://osfm.fire.ca.gov/cupa/apsa> *BE ADVISED, A RE-INSPECTION WILL BE CONDUCTED ON OR AFTER 11/3/17. RE-INSPECTION FEES MAY BE ASSESSED FOR NON-COMPLIANCE. IF YOU [Truncated]

Eval Division: Long Beach Environmental Health
Eval Program: APSA
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 12-15-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: ON-SITE TO CONDUCT A RE-INSPECTION OF A CHECKERED TOWING. FACILITY HAS REDUCED THE TOTAL AMOUNT OF OILS ON-SITE. TOTAL OILS ON-SITE IS LESS THAN 1320 GALLONS. TOTAL OILS OBSERVED ON-SITE IN ABOVEGROUND STORAGE TANKS AND CONTAINERS GREATER THAN 55 GALLONS CAPACITY WAS 1055 GALLONS. AT THIS TIME, FACILITY IS NOT SUBJECT TO THE ABOVEGROUND PETROLEUM STORAGE ACT AND DOES NOT REQUIRE A SPILL PREVENTION CONTROL AND COUNTER MEASURE (SPCC) PLAN AT THIS TIME. BE ADVISED, IF YOUR FACILITY'S ABOVEGROUND STORAGE CAPACITY IS EQUAL TO OR GREATER THAN 1320 GALLONS, A SPCC PLAN IS REQUIRED AND AN UPDATED BUSINESS ACTIVITIES IN THE CALIFORNIA ENVIRONMENTAL REPORTING SYSTEM (CERS) IS ALSO REQUIRED WITHIN 30 DAYS. *CERS INFORMATION WAS UPDATED DURING THE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A CHECKERED TOWING & AUTO CENTER (Continued)

S123519946

INSPECTION TO REFLECT THE CHANGE IN BUSINESS ACTIVITIES AND RECENT CHANGE IN INVENTORY. PERMIT FOR THE ABOVEGROUND PETROLEUM STORAGE ACT WILL BE INACTIVATED. REMEMBER TO ANNUALLY CERTIFY YOUR HAZARDOUS MATERIALS BUSINESS [Truncated]

Eval Division: Long Beach Environmental Health
Eval Program: APSA
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-05-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Long Beach Fire Department Hazardous Materials Specialist, Brian Erdman was on site to conduct change of ownership and Hazardous Materials Business Emergency Plan inspection. The purpose of the HMBEP is to assist the LBFD during an emergency response to this facility. Tim Butler provided consent to conduct this inspection. Any facility that stores Hazardous Materials at or above a reportable volume is required to complete an electronic HMBEP to the California Environmental Response System (CERS) at <https://cers.calepa.ca.gov/>. The reportable volume for Hazardous Wastes / Materials or mixture is equal to or greater than 55 gallons of a liquid, 500 pounds of solid, or 200 cubic feet of a gas. The facility has the following Hazardous Materials being stored at a reportable volume: - Waste oil - Waste Antifreeze - Motor Oil - Diesel Fuel - Oxygen Compressed Gas - Propane The facility has not properly updated the Hazardous Materials Business [Truncated]

Eval Division: Long Beach Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 12-15-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: ON-SITE TO CONDUCT A RE-INSPECTION OF A CHECKERED TOWING FOR VIOLATION STILL OUTSTANDING. FACILITY HAS REMOVED ONE OF THEIR DIESEL ABOVEGROUND STORAGE TANK. TANK WAS RETURNED TO SC FUELS (714)516-7252. *PER MONICA LUZANILLA, OFFICE MANAGER, THEY ARE IN THE PROCESS OF SUBMITTING THE REQUIRED PLANS. THE ABOVEGROUND STORAGE TANK OF DIESEL OBSERVED IS 1000 GALLONS IN CAPACITY AND PER DECAL ON TANK, IS A UL142 TANK. *BE ADVISED, INSTALLATION PLANS FOR THE REMAINING DIESEL TANK IS REQUIRED. SUBMIT PLANS TO CITY HALL FOR REVIEW.

Eval Division: Long Beach Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Coordinates:
Site ID: 427283
Facility Name: A CHECKERED TOWING & AUTO CENTER
Env Int Type Code: HMBP
Program ID: 10612255
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 33.784580
Longitude: -118.202150

Map ID
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A CHECKERED TOWING & AUTO CENTER (Continued)

S123519946

Affiliation:

Affiliation Type Desc: CUPA District
Entity Name: Long Beach Environmental Heath
Entity Title: Not reported
Affiliation Address: 2525 Grand Avenue
Affiliation City: Long Beach
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90815
Affiliation Phone: (562) 570-4131

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 812 COWLES STREET
Affiliation City: LONG BEACH
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90813
Affiliation Phone: Not reported

Affiliation Type Desc: Operator
Entity Name: A CHECKERED TOWING
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (562) 277-2743

Affiliation Type Desc: Parent Corporation
Entity Name: A CHECKERED TOWING & AUTO CENTER
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Document Preparer
Entity Name: Monica Luzanilla
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Environmental Contact
Entity Name: Monica Luzanilla
Entity Title: Not reported
Affiliation Address: 812 Cowles St
Affiliation City: Long Beach
Affiliation State: CA

Map ID
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A CHECKERED TOWING & AUTO CENTER (Continued)

S123519946

Affiliation Country: Not reported
Affiliation Zip: 90813
Affiliation Phone: Not reported

Affiliation Type Desc: Identification Signer
Entity Name: Monica Luzanilla
Entity Title: Manager
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner
Entity Name: A CHECKERED TOWING & AUTO CENTER
Entity Title: Not reported
Affiliation Address: 812 W Cowles St
Affiliation City: Long Beach
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 90813
Affiliation Phone: (562) 227-2743

F20
East
< 1/8
0.066 mi.
347 ft.

PEYTCH AUTO SERVICE
732 W 14TH ST
LONG BEACH, CA 90813

CA CERS HAZ WASTE
CA CERS

S123517702
N/A

Site 1 of 6 in cluster F

Relative:
Lower
Actual:
10 ft.

CERS HAZ WASTE:
Name: PEYTCH AUTO SERVICE
Address: 732 W 14TH ST
City,State,Zip: LONG BEACH, CA 90813
Site ID: 413005
CERS ID: 10604077
CERS Description: Hazardous Waste Generator

CERS:
Name: PEYTCH AUTO SERVICE
Address: 732 W 14TH ST
City,State,Zip: LONG BEACH, CA 90813
Site ID: 413005
CERS ID: 10604077
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 413005
Site Name: PEYTCH AUTO SERVICE
Violation Date: 06-30-2017
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)

Violation Description: Failure to complete and electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.

Violation Notes: Returned to compliance on 07/11/2017. OBSERVATION: Failure to annually review and electronically certify that the business plan is complete,

Map ID
Direction
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PEYTCH AUTO SERVICE (Continued)

S123517702

accurate, and up-to-date. CORRECTIVE ACTION: Annually review and electronically certify that the business plan is complete, accurate, and up-to-date.

Violation Division: Long Beach Environmental Heath
Violation Program: HMRRP
Violation Source: CERS

Site ID: 413005
Site Name: PEYTCH AUTO SERVICE
Violation Date: 08-02-2018
Citation: HSC 6.5 25123.3(h)(1) - California Health and Safety Code, Chapter 6.5, Section(s) 25123.3(h)(1)
Violation Description: Failure to send hazardous waste offsite for treatment, storage, or disposal within 180 days (or 270 days if waste is transported over 200 miles) for a generator who generates less than 1000 kilogram per month if all of the following conditions are met: (1) The quantity of hazardous waste accumulated onsite never exceeds 6,000 kilograms. (2) The generator complies with the requirements of 40 Code of Federal Regulations section 262.34(d), (e) and (f). (3) The generator does not hold acutely hazardous waste or extremely hazardous waste in an amount greater than one kilogram for more than 90 days.
Violation Notes: Returned to compliance on 08/22/2018. Dispose of used oil filters stored on site and retain documentation for re-inspection.

Violation Division: Long Beach Environmental Heath
Violation Program: HW
Violation Source: CERS

Site ID: 413005
Site Name: PEYTCH AUTO SERVICE
Violation Date: 10-11-2016
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes: Returned to compliance on 01/24/2017.

Violation Division: Long Beach Environmental Heath
Violation Program: HMRRP
Violation Source: CERS

Site ID: 413005
Site Name: PEYTCH AUTO SERVICE
Violation Date: 10-15-2013
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description: Business Plan Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 10/15/2013.

Violation Division: Long Beach Environmental Heath
Violation Program: HMRRP
Violation Source: CERS

Site ID: 413005
Site Name: PEYTCH AUTO SERVICE
Violation Date: 12-21-2016
Citation: HSC 6.95 25507 - California Health and Safety Code, Chapter 6.95, Section(s) 25507
Violation Description: Failure to adequately establish and implement a business plan when

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PEYTCH AUTO SERVICE (Continued)

S123517702

storing/handling a hazardous material at or above reportable quantities.
Violation Notes: Returned to compliance on 01/24/2017.
Violation Division: Long Beach Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 413005
Site Name: PEYTCH AUTO SERVICE
Violation Date: 10-15-2013
Citation: HSC 6.11 25404(e)(4) - California Health and Safety Code, Chapter 6.11, Section(s) 25404(e)(4)
Violation Description: Failure to report program data electronically.
Violation Notes: Returned to compliance on 10/15/2013.
Violation Division: Long Beach Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 413005
Site Name: PEYTCH AUTO SERVICE
Violation Date: 10-11-2016
Citation: Un-Specified
Violation Description: Business Plan Program - Administration/Documentation - General Local Ordinance
Violation Notes: Returned to compliance on 12/21/2016.
Violation Division: Long Beach Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 413005
Site Name: PEYTCH AUTO SERVICE
Violation Date: 10-11-2016
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description: Business Plan Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 01/24/2017.
Violation Division: Long Beach Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-28-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Long Beach Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-15-2013
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Long Beach Environmental Health
Eval Program: HMRRP

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PEYTCH AUTO SERVICE (Continued)

S123517702

Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	11-14-2016
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Long Beach Environmental Heath
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-04-2014
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Routine inspection with no violations of an auto repair shop.
Eval Division:	Long Beach Environmental Heath
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	07-11-2017
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Long Beach Environmental Heath
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	08-22-2018
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Re-inspection with no violations of an auto repair shop. Mr. Peytch requested an early re-inspection to confirm correction of violations. Used oil filters were disposed of on 8/21/18.
Eval Division:	Long Beach Environmental Heath
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-11-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Long Beach Environmental Heath
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	10-15-2013
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	FIRE CODE INSPECTION
Eval Division:	Long Beach Environmental Heath
Eval Program:	HMRRP
Eval Source:	CERS

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PEYTCH AUTO SERVICE (Continued)

S123517702

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-21-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Long Beach Environmental Heath
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	01-24-2017
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Long Beach Environmental Heath
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-02-2018
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Routine inspection with violations of an auto repair shop. A copy of the OIR was e-mailed to peytch_auto@yahoo.com.
Eval Division:	Long Beach Environmental Heath
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-16-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Routine inspection with no violations of an auto repair shop.
Eval Division:	Long Beach Environmental Heath
Eval Program:	HW
Eval Source:	CERS

Coordinates:

Site ID:	413005
Facility Name:	PEYTCH AUTO SERVICE
Env Int Type Code:	HMBP
Program ID:	10604077
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.
Latitude:	33.783830
Longitude:	-118.201440

Affiliation:

Affiliation Type Desc:	Document Preparer
Entity Name:	Kosta Peytch
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PEYTCH AUTO SERVICE (Continued)

S123517702

Affiliation Phone:	Not reported
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	732 W 14th St
Affiliation City:	Long Beach
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90813
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	kosta peytch
Entity Title:	owner
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	kosta peytch
Entity Title:	Not reported
Affiliation Address:	732 W 14th St
Affiliation City:	Long Beach
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90813
Affiliation Phone:	(562) 436-2435
Affiliation Type Desc:	CUPA District
Entity Name:	Long Beach Environmental Heath
Entity Title:	Not reported
Affiliation Address:	2525 Grand Avenue
Affiliation City:	Long Beach
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90815
Affiliation Phone:	(562) 570-4131
Affiliation Type Desc:	Operator
Entity Name:	kosta peytch
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(562) 436-2435
Affiliation Type Desc:	Environmental Contact
Entity Name:	kosta peytch
Entity Title:	Not reported
Affiliation Address:	732 W 14th St
Affiliation City:	Long Beach

Map ID
Direction
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PEYTCH AUTO SERVICE (Continued)

S123517702

Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90813
Affiliation Phone: Not reported

Affiliation Type Desc: Parent Corporation
Entity Name: PEYTCH AUTO SERVICE
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

G21
NE
< 1/8
0.068 mi.
360 ft.
Relative:
Higher
Actual:
15 ft.

BKK CORPORATION
800 W 015TH ST
LONG BEACH, CA 90813
Site 1 of 7 in cluster G

CA SWEEPS UST
CA FID UST
S101629836
N/A

SWEEPS UST:
Name: BKK CORPORATION
Address: 800 W 015TH ST
City: LONG BEACH
Status: Active
Comp Number: 16806
Number: 9
Board Of Equalization: 44-010634
Referral Date: 07-01-85
Action Date: Not reported
Created Date: 02-29-88
Owner Tank Id: LO1
SWRCB Tank Id: 19-060-016806-000001
Tank Status: A
Capacity: 10000
Active Date: 07-01-85
Tank Use: M.V. FUEL
STG: P
Content: DIESEL
Number Of Tanks: 4

Name: BKK CORPORATION
Address: 800 W 015TH ST
City: LONG BEACH
Status: Active
Comp Number: 16806
Number: 9
Board Of Equalization: 44-010634
Referral Date: 07-01-85
Action Date: Not reported
Created Date: 02-29-88
Owner Tank Id: LO2
SWRCB Tank Id: 19-060-016806-000002
Tank Status: A
Capacity: 7500
Active Date: 07-01-85

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BKK CORPORATION (Continued)

S101629836

Tank Use: M.V. FUEL
STG: P
Content: DIESEL
Number Of Tanks: Not reported

Name: BKK CORPORATION
Address: 800 W 015TH ST
City: LONG BEACH
Status: Active
Comp Number: 16806
Number: 9
Board Of Equalization: 44-010634
Referral Date: 07-01-85
Action Date: Not reported
Created Date: 02-29-88
Owner Tank Id: LO3
SWRCB Tank Id: 19-060-016806-000003
Tank Status: A
Capacity: Not reported
Active Date: 07-01-85
Tank Use: OIL
STG: W
Content: WASTE OIL
Number Of Tanks: Not reported

Name: BKK CORPORATION
Address: 800 W 015TH ST
City: LONG BEACH
Status: Active
Comp Number: 16806
Number: 9
Board Of Equalization: 44-010634
Referral Date: 07-01-85
Action Date: Not reported
Created Date: 02-29-88
Owner Tank Id: LO4
SWRCB Tank Id: 19-060-016806-000004
Tank Status: A
Capacity: Not reported
Active Date: 07-01-85
Tank Use: OIL
STG: W
Content: WASTE OIL
Number Of Tanks: Not reported

CA FID UST:
Facility ID: 19056630
Regulated By: UTNKA
Regulated ID: 00016806
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 2134328461
Mail To: Not reported
Mailing Address: 2550 237TH ST
Mailing Address 2: Not reported
Mailing City,St,Zip: LONG BEACH 90813
Contact: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BKK CORPORATION (Continued)

S101629836

Contact Phone: Not reported
DUNS Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

C22
East
< 1/8
0.068 mi.
361 ft.
Relative:
Lower
Actual:
11 ft.

TECHNICAL SERVICES COMPANY
801 014TH ST
LONG BEACH, CA 90813
Site 10 of 10 in cluster C

CA LUST
CA CERS
S122356256
N/A

LUST:
Name: TECHNICAL SERVICES COMPANY
Address: 801 014TH ST
City,State,Zip: LONG BEACH, CA 90813
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603701954
Global Id: T0603701954
Latitude: 33.7839377
Longitude: -118.2020612
Status: Completed - Case Closed
Status Date: 04/04/1997
Case Worker: YR
RB Case Number: 908130407
Local Agency: LONG BEACH, CITY OF
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T0603701954
Contact Type: Local Agency Caseworker
Contact Name: CARMEN PIRO
Organization Name: LONG BEACH, CITY OF
Address: 2525 GRAND AVE.
City: LONG BEACH
Email: carmen.piro@longbeach.gov
Phone Number: 5625704137

Global Id: T0603701954
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0603701954
Action Type: Other
Date: 02/03/1989
Action: Leak Discovery

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TECHNICAL SERVICES COMPANY (Continued)

S122356256

Global Id: T0603701954
Action Type: Other
Date: 02/03/1989
Action: Leak Stopped

Global Id: T0603701954
Action Type: Other
Date: 03/04/1989
Action: Leak Reported

LUST:

Global Id: T0603701954
Status: Open - Case Begin Date
Status Date: 02/03/1989

Global Id: T0603701954
Status: Open - Site Assessment
Status Date: 04/06/1989

Global Id: T0603701954
Status: Completed - Case Closed
Status Date: 04/04/1997

CERS:

Name: TECHNICAL SERVICES COMPANY
Address: 801 014TH ST
City,State,Zip: LONG BEACH, CA 90813
Site ID: 246436
CERS ID: T0603701954
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc: Regional Board Caseworker
Entity Name: YUE RONG - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: 320 W. 4TH ST., SUITE 200
Affiliation City: Los Angeles
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Local Agency Caseworker
Entity Name: CARMEN PIRO - LONG BEACH, CITY OF
Entity Title: Not reported
Affiliation Address: 2525 GRAND AVE.
Affiliation City: LONG BEACH
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 5625704137

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

H23 **FRONTIER ENGINEERING AND MANUFACTURING TECHNOLOGIE** **RCRA NonGen / NLR** **1024843609**
NNE **800 W 16TH ST**
< 1/8 **LONG BEACH, CA 90813** **CAL000395225**
0.069 mi.
366 ft. **Site 1 of 7 in cluster H**

Relative:
Higher

RCRA NonGen / NLR:

Actual:
15 ft.

Date form received by agency: 2014-03-24 00:00:00.0
Facility name: FRONTIER ENGINEERING AND MANUFACTURING TECHNOLOGIES INC
Facility address: 800 W 16TH ST
LONG BEACH, CA 90813
EPA ID: CAL000395225
Mailing address: 800 W 16TH ST.
LONG BEACH, CA 90813-0000
Contact: JOHN TSAI
Contact address: 800 W 16TH ST.
LONG BEACH, CA 90813
Contact country: Not reported
Contact telephone: 310-767-1227
Contact email: JOHN@FTMFG.COM
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: JOHN TSAI
Owner/operator address: 800 W 16TH ST.
LONG BEACH, CA 90813
Owner/operator country: Not reported
Owner/operator telephone: 310-767-1227
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: JOHN TSAI
Owner/operator address: 800 W 16TH ST.
LONG BEACH, CA 90813
Owner/operator country: Not reported
Owner/operator telephone: 310-767-1227
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: Yes
Treater, storer or disposer of HW: No
Underground injection activity: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FRONTIER ENGINEERING AND MANUFACTURING TECHNOLOGIES INC (Continued)

1024843609

On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

H24
NNE
< 1/8
0.069 mi.
366 ft.

FRONTIER ENGINEERING AND MANUFACTURING TECHNOLOGIE
800 W 16TH ST
LONG BEACH, CA 90813

CA CERS HAZ WASTE
CA HAZNET
CA CERS
CA HWTS

S118235826
N/A

Site 2 of 7 in cluster H

Relative:
Higher
Actual:
15 ft.

CERS HAZ WASTE:

Name: FRONTIER ENG AND MFG TECHNOLOGIES INC
Address: 800 W 16TH ST
City,State,Zip: LONG BEACH, CA 90813
Site ID: 422056
CERS ID: 10604125
CERS Description: Hazardous Waste Generator

HAZNET:

Name: FRONTIER ENGINEERING AND MANUFACTURING TECHNOLOGIES INC
Address: 800 W 16TH ST
Address 2: Not reported
City,State,Zip: LONG BEACH, CA 90813
Contact: JOHN TSAI
Telephone: 3107671227
Mailing Name: Not reported
Mailing Address: 800 W 16TH ST.

Year: 2017
Gepaid: CAL000395225
TSD EPA ID: CAD008252405
CA Waste Code: 352 - Other organic solids
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.3

Year: 2017
Gepaid: CAL000395225
TSD EPA ID: CAT080013352
CA Waste Code: 222 - Oil/water separation sludge
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 6.672

Year: 2016
Gepaid: CAL000395225
TSD EPA ID: CAT080013352
CA Waste Code: 222 - Oil/water separation sludge
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FRONTIER ENGINEERING AND MANUFACTURING TECHNOLOGIES INC (Continued)

S118235826

Tons: 10.73775

Year: 2015
Gepaid: CAL000395225
TSD EPA ID: CAT080013352
CA Waste Code: 222 - Oil/water separation sludge
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid
Regeneration, Organics Recovery Ect
Tons: 5.838

Year: 2014
Gepaid: CAL000395225
TSD EPA ID: CAT080013352
CA Waste Code: 222 - Oil/water separation sludge
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid
Regeneration, Organics Recovery Ect
Tons: 3.336

Additional Info:

Year: 2017
Gen EPA ID: CAL000395225

Shipment Date: 20170830
Creation Date: 5/20/2018 18:31:29
Receipt Date: 20170830
Manifest ID: 009719336FLE
Trans EPA ID: CAL000264806
Trans Name: EXPRESS OIL CO
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAT080013352
Trans Name: DEMENNO KERDOON
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: 222 - Oil/water separation sludge
RCRA Code: Not reported
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid
Regeneration, Organics Recovery Ect

Quantity Tons: 3.336
Waste Quantity: 800
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20170626
Creation Date: 5/17/2018 18:32:12
Receipt Date: 20170627
Manifest ID: 009718986FLE
Trans EPA ID: CAL000264806
Trans Name: EXPRESS OIL CO
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAT080013352

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FRONTIER ENGINEERING AND MANUFACTURING TECHNOLOGIES INC (Continued)

S118235826

Trans Name: DEMENNO KERDOON
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: 222 - Oil/water separation sludge
RCRA Code: Not reported
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid
Regeneration, Organics Recovery Ect

Quantity Tons: 3.336
Waste Quantity: 800
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20170503
Creation Date: 5/12/2018 18:32:16
Receipt Date: 20170503
Manifest ID: 009679707FLE
Trans EPA ID: CAL000264806
Trans Name: EXPRESS OIL CO
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD008252405
Trans Name: PACIFIC RESOURCE RECOVERY
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: 352 - Other organic solids
RCRA Code: D001
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No
Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.3
Waste Quantity: 600
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 2016
Gen EPA ID: CAL000395225

Shipment Date: 20150924
Creation Date: 1/5/2016 22:35:46
Receipt Date: 20150924
Manifest ID: 008695979FLE
Trans EPA ID: CAL000264806
Trans Name: EXPRESS OIL CO
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAT080013352
Trans Name: DEMENNO KERDOON
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FRONTIER ENGINEERING AND MANUFACTURING TECHNOLOGIES INC (Continued)

S118235826

CA Waste Code: 222 - Oil/water separation sludge
RCRA Code: Not reported
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid
Regeneration, Organics Recovery Ect
Quantity Tons: 2.18925
Waste Quantity: 525
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20150227
Creation Date: 5/17/2015 22:15:06
Receipt Date: 20150227
Manifest ID: 007611085FLE
Trans EPA ID: CAL000264806
Trans Name: EXPRESS OIL CO
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAT080013352
Trans Name: DEMENNO KERDOON
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: 222 - Oil/water separation sludge
RCRA Code: Not reported
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid
Regeneration, Organics Recovery Ect
Quantity Tons: 3.64875
Waste Quantity: 875
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 2015
Gen EPA ID: CAL000395225

Shipment Date: 20150924
Creation Date: 1/5/2016 22:35:46
Receipt Date: 20150924
Manifest ID: 008695979FLE
Trans EPA ID: CAL000264806
Trans Name: EXPRESS OIL CO
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAT080013352
Trans Name: DEMENNO KERDOON
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: 222 - Oil/water separation sludge
RCRA Code: Not reported
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FRONTIER ENGINEERING AND MANUFACTURING TECHNOLOGIES INC (Continued)

S118235826

Quantity Tons:	Regeneration, Organics Recovery Ect
Waste Quantity:	2.18925
Quantity Unit:	525
Additional Code 1:	G
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150227
Creation Date:	5/17/2015 22:15:06
Receipt Date:	20150227
Manifest ID:	007611085FLE
Trans EPA ID:	CAL000264806
Trans Name:	EXPRESS OIL CO
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
CA Waste Code:	222 - Oil/water separation sludge
RCRA Code:	Not reported
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	3.64875
Waste Quantity:	875
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Additional Info:	
Year:	2014
Gen EPA ID:	CAL000395225
Shipment Date:	20140922
Creation Date:	11/14/2014 22:15:04
Receipt Date:	20140923
Manifest ID:	007613498FLE
Trans EPA ID:	CAL000264806
Trans Name:	EXPRESS OIL CO
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
CA Waste Code:	222 - Oil/water separation sludge
RCRA Code:	Not reported
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	3.336
Waste Quantity:	800

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FRONTIER ENGINEERING AND MANUFACTURING TECHNOLOGIES INC (Continued)

S118235826

Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

CERS:

Name: FRONTIER ENG AND MFG TECHNOLOGIES INC
Address: 800 W 16TH ST
City,State,Zip: LONG BEACH, CA 90813
Site ID: 422056
CERS ID: 10604125
CERS Description: Chemical Storage Facilities

Violations:

Site ID: 422056
Site Name: FRONTIER ENG AND MFG TECHNOLOGIES INC
Violation Date: 04-21-2014
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description: Business Plan Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 05/21/2014.
Violation Division: Long Beach Environmental Heath
Violation Program: HMRRP
Violation Source: CERS

Site ID: 422056
Site Name: FRONTIER ENG AND MFG TECHNOLOGIES INC
Violation Date: 03-17-2014
Citation: 22 CCR 15 66265.51 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.51
Violation Description: Failure to prepare and implement a Contingency Plan to minimize human hazards or threat to the environment and to carry out the provisions of the plan whenever there is a fire, explosion, or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents which could threaten human health or the environment.
Violation Notes: Returned to compliance on 06/02/2015.
Violation Division: Long Beach Environmental Heath
Violation Program: HW
Violation Source: CERS

Site ID: 422056
Site Name: FRONTIER ENG AND MFG TECHNOLOGIES INC
Violation Date: 10-25-2018
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description: Hazardous Waste Generator Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 12/07/2018. This facility has been inadvertently mismanaging their used oil in such a way that they would qualify as a large quantity hazardous waste generator (>2200 lbs used oil/month). Reduce the capacity to store used oil on site to a single 300 gallon carboy and insure you dispose of no more than 270 gallons of used oil in any given month. A re-inspection will be conducted to confirm the removal of two extra 300 gallon carboys on site. Disposal or >2200 lbs used oil in any one month will result in this facility being a LQG and a greater regulatory burden.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FRONTIER ENGINEERING AND MANUFACTURING TECHNOLOGIES INC (Continued)

S118235826

Violation Division: Long Beach Environmental Heath
Violation Program: HW
Violation Source: CERS

Site ID: 422056
Site Name: FRONTIER ENG AND MFG TECHNOLOGIES INC
Violation Date: 03-17-2014
Citation: HSC 6.11 25404.1 - California Health and Safety Code, Chapter 6.11, Section(s) 25404.1
Violation Description: Failure to obtain and/or maintain an active hazardous waste generator permit.
Violation Notes: Returned to compliance on 06/02/2015.
Violation Division: Long Beach Environmental Heath
Violation Program: HW
Violation Source: CERS

Site ID: 422056
Site Name: FRONTIER ENG AND MFG TECHNOLOGIES INC
Violation Date: 06-14-2017
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 06/14/2017. Used oil containers needed hazardous waste labels. Corrected on site.
Violation Division: Long Beach Environmental Heath
Violation Program: HW
Violation Source: CERS

Site ID: 422056
Site Name: FRONTIER ENG AND MFG TECHNOLOGIES INC
Violation Date: 03-17-2014
Citation: 22 CCR 12 66262.12 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.12
Violation Description: Failure to obtain and/or maintain an Active EPA ID.
Violation Notes: Returned to compliance on 05/07/2014.
Violation Division: Long Beach Environmental Heath
Violation Program: HW
Violation Source: CERS

Site ID: 422056
Site Name: FRONTIER ENG AND MFG TECHNOLOGIES INC
Violation Date: 04-27-2017
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes: Returned to compliance on 05/24/2017.
Violation Division: Long Beach Environmental Heath
Violation Program: HMRRP
Violation Source: CERS

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FRONTIER ENGINEERING AND MANUFACTURING TECHNOLOGIES INC (Continued)

S118235826

Evaluation:

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-17-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Single business license inspection with violations of a manufacturing facility that is seeking a new business license.
Eval Division: Long Beach Environmental Heath
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-21-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Long Beach Environmental Heath
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 12-07-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Re-inspection with no violations of metal parts manufacturer. This facility has reduced its used oil storage capacity to less than 270 gallons by removing two carboys from the premises to insure they will not be a LQG. A copy of this OIR was emailed to omar@ftmfg.com.
Eval Division: Long Beach Environmental Heath
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-14-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Routine inspection with no violations of a metal parts manufacturer (metal lathing) for the aerospace industry.
Eval Division: Long Beach Environmental Heath
Eval Program: HW
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 05-21-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: FOLLOWUP TO 4/21/2014 ROUTINE
Eval Division: Long Beach Environmental Heath
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 06-02-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Re-inspection with no violations of an engineering firm seeking a new business license. The LB Business License will be notified of the

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FRONTIER ENGINEERING AND MANUFACTURING TECHNOLOGIES INC (Continued)

S118235826

Eval Division: LBDHHS approval.
Eval Program: Long Beach Environmental Heath
Eval Source: HW
CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-25-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Routine inspection with violations of a metal parts manufacturer (metal lathing) for the aerospace industry. This facility has been inadvertently mismanaging their used oil in such a way that they would qualify as a large quantity hazardous waste generator. Normally, they generate approx 100 gallons (800 lbs) of used oil per month, however, they collect this waste into three 300 gallon carboy containers and dispose of it no more than twice per year. As such, the hazardous waste manifests record the disposal of approx. 800 gallons (6400 lbs) of used oil at a time. Disposal of more than 2200 lb/month will make Frontier Engineering Technologies a Large Quantity Generator LQG when they are actually a Small Quantity Generator (SQG). Also, being a LQG subjects them to a much greater regulatory and reporting burden (full written hazardous waste training plan requirements for all personnel, full written contingency plan requirements, written and more stringent spill notification [Truncated])

Eval Division: Long Beach Environmental Heath
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-26-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Long Beach Environmental Heath
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 05-07-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Re-inspection with violations of a manufacturing facility that generates used oil only.

Eval Division: Long Beach Environmental Heath
Eval Program: HW
Eval Source: CERS

Coordinates:
Site ID: 422056
Facility Name: FRONTIER ENG AND MFG TECHNOLOGIES INC
Env Int Type Code: HMBP
Program ID: 10604125
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 33.786550
Longitude: -118.202560

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FRONTIER ENGINEERING AND MANUFACTURING TECHNOLOGIES INC (Continued)

S118235826

Affiliation:

Affiliation Type Desc: Document Preparer
Entity Name: Omar Quispe
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 800 W 16th St
Affiliation City: Long Beach
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90813
Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner
Entity Name: FRONTIER ENG AND MFG TECHNOLOGIES INC
Entity Title: Not reported
Affiliation Address: 800 W 16th St
Affiliation City: Long Beach
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 90813
Affiliation Phone: (310) 767-1227

Affiliation Type Desc: Property Owner
Entity Name: FRONTIER ENG AND MFG TECHNOLOGIES INC
Entity Title: Not reported
Affiliation Address: 800 W 16th St
Affiliation City: Long Beach
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 90813
Affiliation Phone: (310) 767-1227

Affiliation Type Desc: Environmental Contact
Entity Name: Omar Quispe
Entity Title: Not reported
Affiliation Address: 800 W 16th St
Affiliation City: Long Beach
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90813
Affiliation Phone: Not reported

Affiliation Type Desc: Identification Signer
Entity Name: Omar Quispe
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FRONTIER ENGINEERING AND MANUFACTURING TECHNOLOGIES INC (Continued)

S118235826

Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Operator
Entity Name: FRONTIER ENG AND MFG TECHNOLOGIES INC
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (310) 767-1227

Affiliation Type Desc: Parent Corporation
Entity Name: FRONTIER ENG AND MFG TECHNOLOGIES INC
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: CUPA District
Entity Name: Long Beach Environmental Heath
Entity Title: Not reported
Affiliation Address: 2525 Grand Avenue
Affiliation City: Long Beach
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90815
Affiliation Phone: (562) 570-4131

HWTS:

Name: FRONTIER ENGINEERING AND MANUFACTURING TECHNOLOGIES INC
Address: 800 W 16TH ST
Address 2: Not reported
City,State,Zip: LONG BEACH, CA 90813
EPA ID: CAL000395225
Inactive Date: Not reported
Create Date: 03/24/2014
Last Act Date: 09/18/2019
Mailing Name: Not reported
Mailing Address: 800 W 16TH ST.
Mailing Address 2: Not reported
Mailing City,State,Zip: LONG BEACH, CA 908130000
Owner Name: JOHN TSAI
Owner Address: 800 W 16TH ST.
Owner Address 2: Not reported
Owner City,State,Zip: LONG BEACH, CA 908130000
Contact Name: JOHN TSAI
Contact Address: 800 W 16TH ST.
Contact Address 2: Not reported
City,State,Zip: LONG BEACH, CA 90813

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FRONTIER ENGINEERING AND MANUFACTURING TECHNOLOGIES INC (Continued)

S118235826

NAICS:

EPA ID: CAL000395225
Create Date: 2014-03-24 11:52:46
NAICS Code: 336399
NAICS Description: All Other Motor Vehicle Parts Manufacturing
Issued EPA ID Date: 2014-03-24 11:52:46
Inactive Date: Not reported
Facility Name: FRONTIER ENGINEERING AND MANUFACTURING TECHNOLOGIES INC
Facility Address: 800 W 16TH ST
Facility Address 2: Not reported
Facility City: LONG BEACH
Facility County: 19
Facility State: CA
Facility Zip: 90813

F25
East
< 1/8
0.079 mi.
415 ft.

ENVIRONMENTAL SERVS DIV
716 W 14TH ST
LONG BEACH, CA 90813

RCRA NonGen / NLR
FINDS
ECHO

1000261664
CAD069926251

Site 2 of 6 in cluster F

Relative:
Lower

RCRA NonGen / NLR:

Actual:
10 ft.

Date form received by agency: 1983-03-08 00:00:00.0
Facility name: ENVIRONMENTAL SERVS DIV
Facility address: 716 W 14TH ST
LONG BEACH, CA 90813
EPA ID: CAD069926251
Contact: ENVIRONMENTAL MANAGER
Contact address: 716 W FOURTEEN ST
LONG BEACH, CA 90813
Contact country: US
Contact telephone: 213-435-4868
Contact email: Not reported
EPA Region: 09
Land type: Other land type
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ENVIRONMENTAL SERVS DIV (Continued)

1000261664

Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: Yes
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Facility Has Received Notices of Violations:

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 2005-05-25 00:00:00.0
Date achieved compliance: 2005-08-23 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2005-05-25 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 2005-05-25 00:00:00.0
Date achieved compliance: 2005-05-30 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2005-05-25 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 262.10-12.A

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ENVIRONMENTAL SERVS DIV (Continued)

1000261664

Area of violation: Generators - General
Date violation determined: 1985-03-15 00:00:00.0
Date achieved compliance: 1985-06-18 00:00:00.0
Violation lead agency: State
Enforcement action: FINANCIAL RECORD REVIEW
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

FINDS:

Registry ID: 110002655920
Facility URL: http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110002655920

Environmental Interest/Information System:

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1000261664
Registry ID: 110002655920
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110002655920>
Name: ENVIRONMENTAL SERVS DIV
Address: 716 W 14TH ST
City,State,Zip: LONG BEACH, CA 90813

F26
East
< 1/8
0.079 mi.
415 ft.

MULDOON MARINE SERVICES INC
716 W 14TH ST
LONG BEACH, CA 90813

RCRA NonGen / NLR

1024831502
CAL000368361

Site 3 of 6 in cluster F

Relative:
Lower
Actual:
10 ft.

RCRA NonGen / NLR:
Date form received by agency: 2011-10-18 00:00:00.0
Facility name: MULDOON MARINE SERVICES INC
Facility address: 716 W 14TH ST
LONG BEACH, CA 90813
EPA ID: CAL000368361
Mailing address: PO BOX 7457
LONG BEACH, CA 90807-0000
Contact: STEPHANIE MONTANO / RICHARD BARTA
Contact address: 716 W 14TH ST
LONG BEACH, CA 90813
Contact country: Not reported
Contact telephone: 562-432-5670
Contact email: STEPHANIE@MULDOONMARINE.COM
EPA Region: 09
Classification: Non-Generator

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MULDOON MARINE SERVICES INC (Continued)

1024831502

Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: MULDOON MARINE SERVICES INC
Owner/operator address: PO BOX 7457
LONG BEACH, CA 90807

Owner/operator country: Not reported
Owner/operator telephone: 562-432-5670
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: STEPHANIE MONTANO / RICHARD BARTA
Owner/operator address: 716 W 14TH ST
LONG BEACH, CA 90813

Owner/operator country: Not reported
Owner/operator telephone: 562-432-5670
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: Yes
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

F27
East
< 1/8
0.082 mi.
432 ft.
METROPOLITAN CHEMICAL CO
0733 W 14TH ST
LONG BEACH, CA
Site 4 of 6 in cluster F

CA UST **U003854649**
N/A

Relative: LONG BEACH UST:
Lower

Actual: DATA AS OF 02/25/2014:
11 ft. Name: METROPOLITAN CHEMICAL CO
Address: 0733 W 14TH ST
City,State,Zip: LONG BEACH, CA
Region: LONG BEACH
Tanks: 1F
Tank Test: Not reported
Leak Test: Not reported
Tank Status: Not reported

H28
NNE
< 1/8
0.085 mi.
447 ft.
LONG BEACH SEAFOODS CO
0845 W 16TH ST
LONG BEACH, CA
Site 3 of 7 in cluster H

CA UST **U003660000**
N/A

Relative: LONG BEACH UST:
Higher

Actual: DATA AS OF 02/25/2014:
15 ft. Name: LONG BEACH SEAFOODS CO
Address: 0845 W 16TH ST
City,State,Zip: LONG BEACH, CA
Region: LONG BEACH
Tanks: 0T
Tank Test: Not reported
Leak Test: Not reported
Tank Status: Not reported

H29
NNE
< 1/8
0.085 mi.
447 ft.
BAY VIEW PRODUCE INC
845 W 16TH ST
LONG BEACH, CA 90806
Site 4 of 7 in cluster H

EDR Hist Auto **1021813591**
N/A

Relative: EDR Hist Auto
Higher

Actual: Year: Name: Type:
15 ft. 1977 BAY VIEW PRODUCE Gasoline Service Stations
1978 BAY VIEW PRODUCE INC Gasoline Service Stations

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

E30
SE
< 1/8
0.085 mi.
448 ft.

CAMIN CARGO CONTROL INC
729 W ANAHEIM ST STE C
LONG BEACH, CA 90813

Site 2 of 4 in cluster E

CA CERS HAZ WASTE
CA EMI
CA HAZNET
CA CERS
CA HWTS

S105725473
N/A

Relative:
Lower

CERS HAZ WASTE:

Actual:
11 ft.

Name: CAMIN CARGO CONTROL, INC.
Address: 729 W ANAHEIM ST STE C
City,State,Zip: LONG BEACH, CA 90813
Site ID: 140565
CERS ID: 10601359
CERS Description: Hazardous Waste Generator

EMI:

Name: RACK FACTORY
Address: 729 W ANAHEIM ST
City,State,Zip: LONG BEACH, CA 908130000
Year: 1987
County Code: 19
Air Basin: SC
Facility ID: 17779
Air District Name: SC
SIC Code: 3444
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 6
Reactive Organic Gases Tons/Yr: 5
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Name: RACK FACTORY
Address: 729 W ANAHEIM ST
City,State,Zip: LONG BEACH, CA 908130000
Year: 1990
County Code: 19
Air Basin: SC
Facility ID: 17779
Air District Name: SC
SIC Code: 3599
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 1
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

HAZNET:

Name: CAMIN CARGO CONTROL INC
Address: 729 W ANAHEIM ST STE C

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAMIN CARGO CONTROL INC (Continued)

S105725473

Address 2:	Not reported
City,State,Zip:	LONG BEACH, CA 90813
Contact:	VAY VONG
Telephone:	3604743102
Mailing Name:	Not reported
Mailing Address:	845 MARINA BAY PKWY STE 8
Year:	2017
Gepaid:	CAL000402689
TSD EPA ID:	ARD981057870
CA Waste Code:	551 - Laboratory waste chemicals
Disposal Method:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Tons:	5.2959
Year:	2017
Gepaid:	CAL000402689
TSD EPA ID:	CAT000646117
CA Waste Code:	352 - Other organic solids
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	1.1
Year:	2017
Gepaid:	CAL000402689
TSD EPA ID:	ARD981057870
CA Waste Code:	551 -
Disposal Method:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.4587
Year:	2016
Gepaid:	CAL000402689
TSD EPA ID:	ARD981057870
CA Waste Code:	551 - Laboratory waste chemicals
Disposal Method:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Tons:	1.4008
Year:	2016
Gepaid:	CAL000402689
TSD EPA ID:	CAT000646117
CA Waste Code:	352 - Other organic solids
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.63
Year:	2015
Gepaid:	CAL000402689
TSD EPA ID:	CAD044429835
CA Waste Code:	181 - Other inorganic solid waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.005
Year:	2015
Gepaid:	CAL000402689
TSD EPA ID:	NVT330010000
CA Waste Code:	352 - Other organic solids
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAMIN CARGO CONTROL INC (Continued)

S105725473

Tons: Landfill(To Include On-Site Treatment And/Or Stabilization)
0.2925

Year: 2015
Gepaid: CAL000402689
TSD EPA ID: ARD981057870
CA Waste Code: 551 - Laboratory waste chemicals
Disposal Method: H061 - Fuel Blending Prior To Energy Recovery At Another Site
Tons: 0.21684

Additional Info:

Year: 2015
Gen EPA ID: CAL000402689

Shipment Date: 20151027
Creation Date: 5/4/2016 22:15:55
Receipt Date: 20151030
Manifest ID: 015056847JJJ
Trans EPA ID: CAR000188201
Trans Name: ENVIRONMENTAL RECOVERY SERVICES INC
Trans 2 EPA ID: CAD982030173
Trans 2 Name: ECOLOGY CONTROL INDUSTRIES
TSD EPA ID: NVT330010000
Trans Name: US ECOLOGY
TSD EPA ID: Not reported
TSD EPA Name: Not reported
CA Waste Code: 352 - Other organic solids
RCRA Code: Not reported
Disposal Method: H132 - Landfill Or Surface Impoundment That Will Be Closed As
Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons: 0.04
Waste Quantity: 80
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20151027
Creation Date: 3/22/2016 22:15:44
Receipt Date: 20151109
Manifest ID: 015056846JJJ
Trans EPA ID: CAR000188201
Trans Name: ENVIRONMENTAL RECOVERY SERVICES INC
Trans 2 EPA ID: AZD982484578
Trans 2 Name: TRANSCHEM ENVIRONMENTAL
TSD EPA ID: ARD981057870
Trans Name: RINECO
TSD EPA ID: Not reported
TSD EPA Name: Not reported
CA Waste Code: 551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code: F005
Disposal Method: H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons: 0.10008
Waste Quantity: 24

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAMIN CARGO CONTROL INC (Continued)

S105725473

Quantity Unit:	G
Additional Code 1:	F003
Additional Code 2:	D001
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150805
Creation Date:	2/28/2017 18:31:24
Receipt Date:	Not reported
Manifest ID:	014909204JJK
Trans EPA ID:	CAR000188201
Trans Name:	ENVIRONMENTAL RECOVERY SERVICES INC
Trans 2 EPA ID:	AZD982484578
Trans 2 Name:	TRANSCHEM ENVIRONMENTAL
TSDf EPA ID:	AZ0000337360
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
CA Waste Code:	181 - Other inorganic solid waste Organics
RCRA Code:	D009
Disposal Method:	- Not reported
Quantity Tons:	0.01
Waste Quantity:	20
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150805
Creation Date:	10/12/2015 22:15:28
Receipt Date:	20150813
Manifest ID:	014909206JJK
Trans EPA ID:	CAR000188201
Trans Name:	ENVIRONMENTAL RECOVERY SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
CA Waste Code:	181 - Other inorganic solid waste Organics
RCRA Code:	D007
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.005
Waste Quantity:	10
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150805

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAMIN CARGO CONTROL INC (Continued)

S105725473

Creation Date:	2/4/2016 22:16:03
Receipt Date:	20150810
Manifest ID:	014909205JJJ
Trans EPA ID:	CAR000188201
Trans Name:	ENVIRONMENTAL RECOVERY SERVICES INC
Trans 2 EPA ID:	CAD982030173
Trans 2 Name:	ECOLOGY CONTROL INDUSTRIES
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	Not reported
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150619
Creation Date:	1/19/2016 22:15:36
Receipt Date:	20150629
Manifest ID:	014501341JJJ
Trans EPA ID:	CAR000188201
Trans Name:	ENVIRONMENTAL RECOVERY SERVICES INC
Trans 2 EPA ID:	AZD982484578
Trans 2 Name:	TRANSCHEM ENVIRONMENTAL
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	F005
Disposal Method:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.05421
Waste Quantity:	13
Quantity Unit:	G
Additional Code 1:	F003
Additional Code 2:	D001
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150619
Creation Date:	1/20/2016 22:15:31
Receipt Date:	20150623
Manifest ID:	014501342JJJ
Trans EPA ID:	CAR000188201
Trans Name:	ENVIRONMENTAL RECOVERY SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAMIN CARGO CONTROL INC (Continued)

S105725473

Trans Name:	US ECOLOGY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	Not reported
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.15
Waste Quantity:	300
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150413
Creation Date:	9/22/2015 22:15:36
Receipt Date:	20150419
Manifest ID:	014073780JJJK
Trans EPA ID:	CAR000188201
Trans Name:	ENVIRONMENTAL RECOVERY SERVICES INC
Trans 2 EPA ID:	CAR000187922
Trans 2 Name:	RUST AND SONS
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	F005
Disposal Method:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.06255
Waste Quantity:	15
Quantity Unit:	G
Additional Code 1:	F003
Additional Code 2:	D001
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150413
Creation Date:	9/11/2015 22:15:40
Receipt Date:	20150416
Manifest ID:	014073781JJJK
Trans EPA ID:	CAR000188201
Trans Name:	ENVIRONMENTAL RECOVERY SERVICES INC
Trans 2 EPA ID:	CAD982030173
Trans 2 Name:	ECOLOGY CONTROL INDUSTRIES
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	Not reported
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.0275

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAMIN CARGO CONTROL INC (Continued)

S105725473

Waste Quantity: 55
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:

Year: 2016
Gen EPA ID: CAL000402689

Shipment Date: 20151027
Creation Date: 3/22/2016 22:15:44
Receipt Date: 20151109
Manifest ID: 015056846JJJ
Trans EPA ID: CAR000188201
Trans Name: ENVIRONMENTAL RECOVERY SERVICES INC
Trans 2 EPA ID: AZD982484578
Trans 2 Name: TRANSCHEM ENVIRONMENTAL
TSDF EPA ID: ARD981057870
Trans Name: RINECO
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: 551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code: F005
Disposal Method: H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons: 0.10008
Waste Quantity: 24
Quantity Unit: G
Additional Code 1: F003
Additional Code 2: D001
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20151027
Creation Date: 5/4/2016 22:15:55
Receipt Date: 20151030
Manifest ID: 015056847JJJ
Trans EPA ID: CAR000188201
Trans Name: ENVIRONMENTAL RECOVERY SERVICES INC
Trans 2 EPA ID: CAD982030173
Trans 2 Name: ECOLOGY CONTROL INDUSTRIES
TSDF EPA ID: NVT330010000
Trans Name: US ECOLOGY
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: 352 - Other organic solids
RCRA Code: Not reported
Disposal Method: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons: 0.04
Waste Quantity: 80
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAMIN CARGO CONTROL INC (Continued)

S105725473

Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20150805
Creation Date: 10/12/2015 22:15:28
Receipt Date: 20150813
Manifest ID: 014909206JJK
Trans EPA ID: CAR000188201
Trans Name: ENVIRONMENTAL RECOVERY SERVICES INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD044429835
Trans Name: CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: 181 - Other inorganic solid waste Organics
RCRA Code: D007
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.005
Waste Quantity: 10
Quantity Unit: P
Additional Code 1: D001
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20150805
Creation Date: 2/4/2016 22:16:03
Receipt Date: 20150810
Manifest ID: 014909205JJK
Trans EPA ID: CAR000188201
Trans Name: ENVIRONMENTAL RECOVERY SERVICES INC
Trans 2 EPA ID: CAD982030173
Trans 2 Name: ECOLOGY CONTROL INDUSTRIES
TSDF EPA ID: NVT330010000
Trans Name: US ECOLOGY
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: 352 - Other organic solids
RCRA Code: Not reported
Disposal Method: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)

Quantity Tons: 0.075
Waste Quantity: 150
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20150805
Creation Date: 2/28/2017 18:31:24
Receipt Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAMIN CARGO CONTROL INC (Continued)

S105725473

Manifest ID:	014909204JJJ
Trans EPA ID:	CAR000188201
Trans Name:	ENVIRONMENTAL RECOVERY SERVICES INC
Trans 2 EPA ID:	AZD982484578
Trans 2 Name:	TRANSCHEM ENVIRONMENTAL
TSDF EPA ID:	AZ0000337360
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	181 - Other inorganic solid waste Organics
RCRA Code:	D009
Disposal Method:	- Not reported
Quantity Tons:	0.01
Waste Quantity:	20
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150619
Creation Date:	1/19/2016 22:15:36
Receipt Date:	20150629
Manifest ID:	014501341JJJ
Trans EPA ID:	CAR000188201
Trans Name:	ENVIRONMENTAL RECOVERY SERVICES INC
Trans 2 EPA ID:	AZD982484578
Trans 2 Name:	TRANSCHEM ENVIRONMENTAL
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	F005
Disposal Method:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.05421
Waste Quantity:	13
Quantity Unit:	G
Additional Code 1:	F003
Additional Code 2:	D001
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150619
Creation Date:	1/20/2016 22:15:31
Receipt Date:	20150623
Manifest ID:	014501342JJJ
Trans EPA ID:	CAR000188201
Trans Name:	ENVIRONMENTAL RECOVERY SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAMIN CARGO CONTROL INC (Continued)

S105725473

CA Waste Code:	352 - Other organic solids
RCRA Code:	Not reported
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.15
Waste Quantity:	300
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150413
Creation Date:	9/11/2015 22:15:40
Receipt Date:	20150416
Manifest ID:	014073781JJJ
Trans EPA ID:	CAR000188201
Trans Name:	ENVIRONMENTAL RECOVERY SERVICES INC
Trans 2 EPA ID:	CAD982030173
Trans 2 Name:	ECOLOGY CONTROL INDUSTRIES
TSD EPA ID:	NVT330010000
Trans Name:	US ECOLOGY
TSD EPA ID:	Not reported
TSD Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	Not reported
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.0275
Waste Quantity:	55
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150413
Creation Date:	9/22/2015 22:15:36
Receipt Date:	20150419
Manifest ID:	014073780JJJ
Trans EPA ID:	CAR000188201
Trans Name:	ENVIRONMENTAL RECOVERY SERVICES INC
Trans 2 EPA ID:	CAR000187922
Trans 2 Name:	RUST AND SONS
TSD EPA ID:	ARD981057870
Trans Name:	RINECO
TSD EPA ID:	Not reported
TSD Name:	Not reported
CA Waste Code:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	F005
Disposal Method:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.06255
Waste Quantity:	15
Quantity Unit:	G
Additional Code 1:	F003

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAMIN CARGO CONTROL INC (Continued)

S105725473

Additional Code 2: D001
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:

Year: 2017
Gen EPA ID: CAL000402689

Shipment Date: 20171201
Creation Date: 8/7/2018 18:30:40
Receipt Date: 20171211
Manifest ID: 017998311JJK
Trans EPA ID: CAR000276295
Trans Name: WM ENVIROSERV
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAT000646117
Trans Name: CHEMICAL WASTE MANAGEMENT
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: 352 - Other organic solids
RCRA Code: Not reported
Disposal Method: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)

Quantity Tons: 0.08
Waste Quantity: 160
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20171201
Creation Date: 7/10/2018 18:30:28
Receipt Date: 20171210
Manifest ID: 017998310JJK
Trans EPA ID: CAR000276295
Trans Name: WM ENVIROSERV
Trans 2 EPA ID: AZD982484578
Trans 2 Name: TRANSCHEM ENVIRONMENTAL
TSDF EPA ID: ARD981057870
Trans Name: RINECO
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: 551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code: F005
Disposal Method: H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons: 0.6255
Waste Quantity: 150
Quantity Unit: G
Additional Code 1: F003
Additional Code 2: D001
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAMIN CARGO CONTROL INC (Continued)

S105725473

Shipment Date:	20171013
Creation Date:	6/20/2018 18:31:46
Receipt Date:	20171019
Manifest ID:	017362304JJK
Trans EPA ID:	CAR000188201
Trans Name:	ENVIROSERV
Trans 2 EPA ID:	CAD982030173
Trans 2 Name:	ECOLOGY CONTROL INDUSTRIES
TSDf EPA ID:	CAT000646117
Trans Name:	CHEMICAL WASTE MANAGEMENT
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	Not reported
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.14
Waste Quantity:	280
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171013
Creation Date:	7/13/2018 18:30:14
Receipt Date:	20171022
Manifest ID:	017362303JJK
Trans EPA ID:	CAR000188201
Trans Name:	ENVIROSERV
Trans 2 EPA ID:	AZD982484578
Trans 2 Name:	TRANSCHEM ENVIRONMENTAL
TSDf EPA ID:	ARD981057870
Trans Name:	RINECO
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
CA Waste Code:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	F005
Disposal Method:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.9174
Waste Quantity:	220
Quantity Unit:	G
Additional Code 1:	F003
Additional Code 2:	D001
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170928
Creation Date:	7/24/2018 18:30:51
Receipt Date:	20171008
Manifest ID:	017361897JJK
Trans EPA ID:	CAR000188201
Trans Name:	ENVIROSERV
Trans 2 EPA ID:	AZD982484578
Trans 2 Name:	TRANSCHEM ENVIRONMENTAL

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAMIN CARGO CONTROL INC (Continued)

S105725473

TSDF EPA ID: ARD981057870
Trans Name: RINECO
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: 551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code: F005
Disposal Method: H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons: 0.9174
Waste Quantity: 220
Quantity Unit: G
Additional Code 1: F003
Additional Code 2: D001
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20170909
Creation Date: 7/6/2018 18:30:59
Receipt Date: 20170917
Manifest ID: 017361478JJJ
Trans EPA ID: CAR000188201
Trans Name: ENVIROSERV
Trans 2 EPA ID: AZD982484578
Trans 2 Name: TRANSCHEM ENVIRONMENTAL
TSDF EPA ID: ARD981057870
Trans Name: RINECO
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: 551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code: F005
Disposal Method: H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons: 0.6255
Waste Quantity: 150
Quantity Unit: G
Additional Code 1: F003
Additional Code 2: D001
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20170908
Creation Date: 5/30/2018 18:34:06
Receipt Date: 20170918
Manifest ID: 017361479JJJ
Trans EPA ID: CAR000188201
Trans Name: ENVIROSERV
Trans 2 EPA ID: CAD982030173
Trans 2 Name: ECOLOGY CONTROL IND
TSDF EPA ID: CAT000646117
Trans Name: CHEMICAL WASTE MANAGEMENT
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: 352 - Other organic solids
RCRA Code: Not reported
Disposal Method: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons: 0.1

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAMIN CARGO CONTROL INC (Continued)

S105725473

Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170811
Creation Date:	6/13/2018 18:31:27
Receipt Date:	20170815
Manifest ID:	015817865JJJ
Trans EPA ID:	CAR000188201
Trans Name:	ENVIROSERV
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	CHEMICAL WASTE MANAGEMENT
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	Not reported
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.09
Waste Quantity:	180
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170811
Creation Date:	7/17/2018 18:30:18
Receipt Date:	20170820
Manifest ID:	015817864JJJ
Trans EPA ID:	CAR000188201
Trans Name:	ENVIROSERV
Trans 2 EPA ID:	AZD982484578
Trans 2 Name:	TRANSCHEM ENVIRONMENTAL
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	F005
Disposal Method:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.417
Waste Quantity:	100
Quantity Unit:	G
Additional Code 1:	F003
Additional Code 2:	D001
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAMIN CARGO CONTROL INC (Continued)

S105725473

Shipment Date: 20170710
Creation Date: 5/20/2018 18:31:29
Receipt Date: 20170718
Manifest ID: 015817108JJK
Trans EPA ID: CAR000188201
Trans Name: ENVIROSERV
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAT000646117
Trans Name: CHEMICAL WASTE MANAGEMENT
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
CA Waste Code: 352 - Other organic solids
RCRA Code: Not reported
Disposal Method: H132 - Landfill Or Surface Impoundment That Will Be Closed As
Landfill(To Include On-Site Treatment And/Or Stabilization)

Quantity Tons: 0.08
Waste Quantity: 160
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

CERS:

Name: CAMIN CARGO CONTROL, INC.
Address: 729 W ANAHEIM ST STE C
City,State,Zip: LONG BEACH, CA 90813
Site ID: 140565
CERS ID: 10601359
CERS Description: Chemical Storage Facilities

Violations:

Site ID: 140565
Site Name: Camin Cargo Control, Inc.
Violation Date: 06-11-2015
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter
6.95, Section(s) 25508(a)(1)
Violation Description: Failure to establish and electronically submit an adequate training
program in safety procedures in the event of a release or threatened
release of a hazardous material.
Violation Notes: Returned to compliance on 07/29/2015.
Violation Division: Long Beach Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 140565
Site Name: Camin Cargo Control, Inc.
Violation Date: 07-11-2013
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95,
Section(s) Multiple
Violation Description: Business Plan Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 10/30/2013. OBTAIN CUPA PERMIT. LBMC
8.87.040
Violation Division: Long Beach Environmental Health
Violation Program: HMRRP

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAMIN CARGO CONTROL INC (Continued)

S105725473

Violation Source: CERS

Site ID: 140565
Site Name: Camin Cargo Control, Inc.
Violation Date: 06-02-2015
Citation: HSC 6.11 25404.1 - California Health and Safety Code, Chapter 6.11, Section(s) 25404.1
Violation Description: Failure to obtain and/or maintain an active hazardous waste generator permit.
Violation Notes: Returned to compliance on 09/08/2015. Pay CUPA permit fees and post permit when received.
Violation Division: Long Beach Environmental Heath
Violation Program: HW
Violation Source: CERS

Site ID: 140565
Site Name: Camin Cargo Control, Inc.
Violation Date: 06-11-2015
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Returned to compliance on 07/29/2015. CHEMICAL INVENTORY NOT COMPLETE.
Violation Division: Long Beach Environmental Heath
Violation Program: HMRRP
Violation Source: CERS

Site ID: 140565
Site Name: Camin Cargo Control, Inc.
Violation Date: 06-11-2015
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description: Business Plan Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 09/03/2015. PROVIDE OR OBTAIN FIRE PERMIT AND CUPA PERMIT FOR THIS SITE. LBMC 8.87.040.
Violation Division: Long Beach Environmental Heath
Violation Program: HMRRP
Violation Source: CERS

Site ID: 140565
Site Name: Camin Cargo Control, Inc.
Violation Date: 06-11-2015
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit a site map with all required content.
Violation Notes: Returned to compliance on 07/29/2015. SITE MAP IS NOT COMPLETE AND ACCURATE.
Violation Division: Long Beach Environmental Heath
Violation Program: HMRRP
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-02-2015
Violations Found: Yes

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAMIN CARGO CONTROL INC (Continued)

S105725473

Eval Type:	Routine done by local agency
Eval Notes:	Routine inspection w/ a violation of a QC LAb seeking a new business license.
Eval Division:	Long Beach Environmental Heath
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-14-2019
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Routine inspection with no violations of a QC laboratory for petroleum products. A copy of this OIR was emailed to opslosangeles@camincargo.com.
Eval Division:	Long Beach Environmental Heath
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-11-2015
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Long Beach Environmental Heath
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-11-2013
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Long Beach Environmental Heath
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	10-13-2014
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	OUT OF BUSINESS.
Eval Division:	Long Beach Environmental Heath
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-07-2017
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Routine inspection with no violations of a QC laboratory.
Eval Division:	Long Beach Environmental Heath
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	09-08-2015
Violations Found:	No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAMIN CARGO CONTROL INC (Continued)

S105725473

Eval Type: Other, not routine, done by local agency
Eval Notes: Re-inspection with no violations of a QC laboratory seeking a new business license. A CUPA permit has been paid for and posted. The LB business License will be notified of the LBDHHS approval.
Eval Division: Long Beach Environmental Heath
Eval Program: HW
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 07-30-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Re-inspection with a violation of a QC laboratory. No CUPA permit paid or posted yet. Pay CUPA permit fees and post permit when received.
Eval Division: Long Beach Environmental Heath
Eval Program: HW
Eval Source: CERS

Affiliation:

Affiliation Type Desc: Document Preparer
Entity Name: Vay Vong
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 10000 NE 7th Ave. Suite 200
Affiliation City: Vancouver
Affiliation State: WA
Affiliation Country: Not reported
Affiliation Zip: 98685
Affiliation Phone: Not reported

Affiliation Type Desc: Identification Signer
Entity Name: Vay Vong
Entity Title: QA Manager West Coast
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner
Entity Name: Camin Cargo Control, Inc.
Entity Title: Not reported
Affiliation Address: 729 W Anaheim St Ste C
Affiliation City: Long Beach
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 90813

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAMIN CARGO CONTROL INC (Continued)

S105725473

Affiliation Phone: (310) 833-1557

Affiliation Type Desc: Operator
Entity Name: Camin Cargo Control, Inc.
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (310) 833-1557

Affiliation Type Desc: CUPA District
Entity Name: Long Beach Environmental Heath
Entity Title: Not reported
Affiliation Address: 2525 Grand Avenue
Affiliation City: Long Beach
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90815
Affiliation Phone: (562) 570-4131

Affiliation Type Desc: Environmental Contact
Entity Name: VAY VONG
Entity Title: Not reported
Affiliation Address: 10000 NE 7th Ave. Suite 200
Affiliation City: Vancouver
Affiliation State: WA
Affiliation Country: Not reported
Affiliation Zip: 98685
Affiliation Phone: Not reported

Affiliation Type Desc: Parent Corporation
Entity Name: Camin Cargo Control, Inc.
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

HWTS:

Name: CAMIN CARGO CONTROL INC
Address: 729 W ANAHEIM ST STE C
Address 2: Not reported
City,State,Zip: LONG BEACH, CA 90813
EPA ID: CAL000402689
Inactive Date: Not reported
Create Date: 12/04/2014
Last Act Date: 10/01/2019
Mailing Name: Not reported
Mailing Address: 1001 SHAW AVENUE
Mailing Address 2: SUITE 200
Mailing City,State,Zip: PASADENA, TX 775060000
Owner Name: CAMIN CARGO CONTROL INC

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAMIN CARGO CONTROL INC (Continued)

S105725473

Owner Address: 1001 SHAW AVENUE
Owner Address 2: SUITE 200
Owner City,State,Zip: PASADENA, TX 775060000
Contact Name: KEITH JONES
Contact Address: 1001 SHAW AVENUE
Contact Address 2: SUITE 200
City,State,Zip: PASADENA, TX 77506

NAICS:
EPA ID: CAL000402689
Create Date: 2014-12-04 11:40:08
NAICS Code: 532411
NAICS Description: Commercial Air, Rail, and Water Transportation Equipment Rental and Leasing
Issued EPA ID Date: 2014-12-04 11:40:08
Inactive Date: Not reported
Facility Name: CAMIN CARGO CONTROL INC
Facility Address: 729 W ANAHEIM ST STE C
Facility Address 2: Not reported
Facility City: LONG BEACH
Facility County: 19
Facility State: CA
Facility Zip: 90813

EPA ID: CAL000402689
Create Date: 2016-11-04 13:12:10
NAICS Code: 54194
NAICS Description: Veterinary Services
Issued EPA ID Date: 2014-12-04 11:40:08
Inactive Date: Not reported
Facility Name: CAMIN CARGO CONTROL INC
Facility Address: 729 W ANAHEIM ST STE C
Facility Address 2: Not reported
Facility City: LONG BEACH
Facility County: 19
Facility State: CA
Facility Zip: 90813

**E31
SE
< 1/8
0.085 mi.
448 ft.**

**CAMIN CARGO CONTROL INC
729 W ANAHEIM ST STE C
LONG BEACH, CA 90813**

**RCRA NonGen / NLR 1024847629
CAL000402689**

Site 3 of 4 in cluster E

**Relative:
Lower**

RCRA NonGen / NLR:

**Actual:
11 ft.**

Date form received by agency: 2014-12-04 00:00:00.0
Facility name: CAMIN CARGO CONTROL INC
Facility address: 729 W ANAHEIM ST STE C
LONG BEACH, CA 90813
EPA ID: CAL000402689
Mailing address: 845 MARINA BAY PKWY STE 8
RICHMOND, CA 94804
Contact: VAY VONG
Contact address: 2700 NE ANDRESEN RD. STE. D16
VANCOUVER, WA 98661
Contact country: Not reported
Contact telephone: 360-474-3102

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAMIN CARGO CONTROL INC (Continued)

1024847629

Contact email: VAY.VONG@CAMINCARGO.COM
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: CAMIN CARGO CONTROL INC
Owner/operator address: 1001 SHAW AVE., UNIT #300
PASADENA, TX 77506
Owner/operator country: Not reported
Owner/operator telephone: 713-352-3520
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: VAY VONG
Owner/operator address: 2700 NE ANDRESEN RD. STE. D16
VANCOUVER, WA 98661
Owner/operator country: Not reported
Owner/operator telephone: 360-474-3102
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: Yes
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

32
South
< 1/8
0.085 mi.
448 ft.

LIZETTE CREATIONS
0950 W 12TH ST
LONG BEACH, CA

CA UST

U003659963
N/A

Relative:
Lower

LONG BEACH UST:

Actual:
11 ft.

DATA AS OF 02/25/2014:

Name: LIZETTE CREATIONS
Address: 0950 W 12TH ST
City,State,Zip: LONG BEACH, CA
Region: LONG BEACH
Tanks: 0T
Tank Test: Not reported
Leak Test: Not reported
Tank Status: Not reported

G33
NE
< 1/8
0.091 mi.
481 ft.

CHANCELLOR & OGDEN
800 W 15TH ST
LONG BEACH, CA 90813

RCRA NonGen / NLR
FINDS
ECHO

1000308113
CAD980880538

Site 2 of 7 in cluster G

Relative:
Higher

RCRA NonGen / NLR:

Actual:
16 ft.

Date form received by agency: 1983-09-30 00:00:00.0
Facility name: CHANCELLOR & OGDEN
Facility address: 800 W 15TH ST
LONG BEACH, CA 90813
EPA ID: CAD980880538
Mailing address: 2550 SECOND HUNDRED THIRTY SEV
TORRANCE, CA 90505
Contact: ENVIRONMENTAL MANAGER
Contact address: 800 W 15TH ST
LONG BEACH, CA 90813
Contact country: US
Contact telephone: 213-539-7150
Contact email: Not reported
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: BKK CORPORATION
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHANCELLOR & OGDEN (Continued)

1000308113

Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110009533406
Facility URL: http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110009533406

Environmental Interest/Information System:

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1000308113
Registry ID: 110009533406
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110009533406>
Name: CHANCELLOR & OGDEN
Address: 800 W 15TH ST
City,State,Zip: LONG BEACH, CA 90813

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

G34
NE
< 1/8
0.091 mi.
481 ft.

BKK CORP
0800 W 15TH ST
LONG BEACH, CA

Site 3 of 7 in cluster G

CA LUST
CA UST
CA HIST UST
CA HIST CORTESE

U001566289
N/A

Relative:
Higher

Actual:
16 ft.

LUST:

Name: BKK CORPORATION
Address: 800 015TH ST W
City,State,Zip: LONG BEACH, CA 90813
Lead Agency: LONG BEACH, CITY OF
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603701968
Global Id: T0603701968
Latitude: 33.7856437
Longitude: -118.2020413
Status: Completed - Case Closed
Status Date: 12/02/1986
Case Worker: CP
RB Case Number: 908130570
Local Agency: LONG BEACH, CITY OF
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Waste Oil / Motor / Hydraulic / Lubricating
Site History: Not reported

LUST:

Global Id: T0603701968
Contact Type: Local Agency Caseworker
Contact Name: CARMEN PIRO
Organization Name: LONG BEACH, CITY OF
Address: 2525 GRAND AVE.
City: LONG BEACH
Email: carmen.piro@longbeach.gov
Phone Number: 5625704137

Global Id: T0603701968
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

LUST:

Global Id: T0603701968
Action Type: ENFORCEMENT
Date: 12/06/2006
Action: * No Action

Global Id: T0603701968
Action Type: Other
Date: 09/15/1986
Action: Leak Reported

LUST:

Global Id: T0603701968

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BKK CORP (Continued)

U001566289

Status: Open - Case Begin Date
Status Date: 09/15/1986

Global Id: T0603701968
Status: Completed - Case Closed
Status Date: 12/02/1986

LUST REG 4:

Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 908130570
Status: Case Closed
Substance: Waste Oil
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: Not reported
Global ID: T0603701968
W Global ID: Not reported
Staff: UNK
Local Agency: 19060
Cross Street: SAN FRANCISCO AVE
Enforcement Type: Not reported
Date Leak Discovered: Not reported
Date Leak First Reported: 9/15/1986
Date Leak Record Entered: 8/5/1987
Date Confirmation Began: Not reported
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 9/15/1986
Date the Case was Closed: 12/2/1986
How Leak Discovered: Not reported
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Operator: Not reported
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 15549.114847403879820428084256
Source of Cleanup Funding: UNK
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: Not reported
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: BKK CORPORATION

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BKK CORP (Continued)

U001566289

RP Address: 2550 237TH ST, TORRANCE, CA 90505
Program: LUST
Lat/Long: 33.7856437 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: Not reported

LONG BEACH UST:

DATA AS OF 02/25/2014:

Name: BKK CORP
Address: 0800 W 15TH ST
City,State,Zip: LONG BEACH, CA
Region: LONG BEACH
Tanks: 0T
Tank Test: Not reported
Leak Test: Not reported
Tank Status: Not reported

HIST UST:

Name: BKK CORPORATION
Address: 800 W 15TH STREET
City,State,Zip: LONG BEACH, CA 90813
File Number: 00026788
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00026788.pdf>
Region: STATE
Facility ID: 00000016806
Facility Type: Other
Other Type: TRUCK TERMINAL
Contact Name: JOHN LAMBIE
Telephone: 2134328461
Owner Name: BKK CORPORATION
Owner Address: 2550 237TH STREET
Owner City,St,Zip: TORRANCE, CA 90505
Total Tanks: 0004

Tank Num: 001
Container Num: LOI
Year Installed: Not reported
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor, None

Tank Num: 002
Container Num: LO2
Year Installed: Not reported
Tank Capacity: 00007500
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor, None

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BKK CORP (Continued)

U001566289

Tank Num: 003
Container Num: LO3
Year Installed: Not reported
Tank Capacity: 00000000
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 004
Container Num: LO4
Year Installed: Not reported
Tank Capacity: 00000000
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Container Construction Thickness: Not reported
Leak Detection: None

[Click here for Geo Tracker PDF:](#)

HIST CORTESE:

edr_fname: BKK CORPORATION
edr_fadd1: 800 015TH
City,State,Zip: LONG BEACH, CA 90813
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 908130570

G35
NE
< 1/8
0.091 mi.
481 ft.

BKK CORPORATION/READY STORAGE
800 WEST 15TH STREET
LONG BEACH, CA 90813
Site 4 of 7 in cluster G

CA CPS-SLIC
CA HAZNET
CA CERS
CA HWTS

S106483993
N/A

Relative:
Higher
Actual:
16 ft.

CPS-SLIC:
Name: READY SELF STORAGE
Address: 800 WEST 15TH ST
City,State,Zip: LONG BEACH, CA
Region: STATE
Facility Status: Open - Verification Monitoring
Status Date: 04/20/2015
Global Id: SL2047J1677
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number: Not reported
Latitude: 33.7856213133775
Longitude: -118.201775550842
Case Type: Cleanup Program Site
Case Worker: CL
Local Agency: Not reported
RB Case Number: 0876
File Location: Regional Board
Potential Media Affected: Aquifer used for drinking water supply, Other Groundwater (uses other than drinking water), Soil, Soil Vapor
Potential Contaminants of Concern: Dichloroethene (DCE), Tetrachloroethylene (PCE), Trichloroethylene (TCE), Vinyl chloride, Benzene, Ethylbenzene, Toluene, Total Petroleum Hydrocarbons (TPH), Xylene

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BKK CORPORATION/READY STORAGE (Continued)

S106483993

Site History: The site, which contains a two story storage facility, is located on the southeast corner of the intersection of West 15th Street and San Francisco Street. Contaminants of concern include petroleum hydrocarbons from former fuel USTs as well as PCE and its breakdown products.

[Click here to access the California GeoTracker records for this facility:](#)

HAZNET:

Name: BKK CORPORATION/READY STORAGE
Address: 800 WEST 15TH STREET
Address 2: Not reported
City,State,Zip: LONG BEACH, CA 90813
Contact: ROGER DE YOUNG
Telephone: 9492962810
Mailing Name: Not reported
Mailing Address: 2210 AZUSA AVE

Year: 2013
Gepaid: CAC002743061
TSD EPA ID: CAD028409019
CA Waste Code: 135 - Unspecified aqueous solution
Disposal Method: H135 - Discharge To Sewer/Potw Or Npdes(With Prior Storage--With Or Without Treatment)

Tons: 0.21

Additional Info:

Year: 2013
Gen EPA ID: CAC002743061

Shipment Date: 20131001
Creation Date: 11/27/2013 22:15:07
Receipt Date: 20131001
Manifest ID: 011671430JJK
Trans EPA ID: CAR000148338
Trans Name: AMERICAN INTEGRATED SERVICES INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD028409019
Trans Name: CROSBY & OVERTON INC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: 135 - Unspecified aqueous solution
RCRA Code: Not reported
Disposal Method: H135 - Discharge To Sewer/Potw Or Npdes(With Prior Storage--With Or Without Treatment)

Quantity Tons: 0.21
Waste Quantity: 50
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BKK CORPORATION/READY STORAGE (Continued)

S106483993

CERS:

Name: READY SELF STORAGE
Address: 800 WEST 15TH ST
City,State,Zip: LONG BEACH, CA
Site ID: 190353
CERS ID: SL2047J1677
CERS Description: Cleanup Program Site

Affiliation:

Affiliation Type Desc: Regional Board Caseworker
Entity Name: CARLOS LANDAVERDE - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: 320 West 4th Street
Affiliation City: LOS ANGELES
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 2136206070

HWTS:

Name: BKK CORPORATION/READY STORAGE
Address: 800 WEST 15TH STREET
Address 2: Not reported
City,State,Zip: LONG BEACH, CA 90813
EPA ID: CAC002743061
Inactive Date: 12/06/2013
Create Date: 09/06/2013
Last Act Date: 12/10/2013
Mailing Name: Not reported
Mailing Address: 2210 AZUSA AVE
Mailing Address 2: Not reported
Mailing City,State,Zip: WEST COVINA, CA 91762
Owner Name: ROGER DE YOUNG
Owner Address: 2210 AZUSA AVE
Owner Address 2: Not reported
Owner City,State,Zip: WEST COVINA, CA 91762
Contact Name: ROGER DE YOUNG
Contact Address: 2210 AZUSA AVE
Contact Address 2: Not reported
City,State,Zip: WEST COVINA, CA 91762

NAICS:

EPA ID: CAC002743061
Create Date: 2013-09-06 14:17:40
NAICS Code: 53113
NAICS Description: Lessors of Miniwarehouses and Self-Storage Units
Issued EPA ID Date: 2013-09-06 14:17:40
Inactive Date: 2013-12-06 14:17:40
Facility Name: BKK CORPORATION/READY STORAGE
Facility Address: 800 WEST 15TH STREET
Facility Address 2: Not reported
Facility City: LONG BEACH
Facility County: 19
Facility State: CA
Facility Zip: 90813

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

I36 CALIF. GLASS DIST. CA SWEEPS UST S101618198
SSE 790 W 012TH ST LONG BEACH CA FID UST N/A
< 1/8 LONG BEACH, CA 90813

0.092 mi.
484 ft.

Site 1 of 3 in cluster I

Relative:
Lower

SWEEPS UST:

Actual:
11 ft.

Name: CALIF. GLASS DIST
Address: 790 W 012TH ST LONG BEACH
City: LONG BEACH
Status: Active
Comp Number: 46937
Number: 9
Board Of Equalization: 44-013559
Referral Date: 07-01-85
Action Date: Not reported
Created Date: 02-29-88
Owner Tank Id: 1
SWRCB Tank Id: 19-060-046937-000001
Tank Status: A
Capacity: 9940
Active Date: 07-01-85
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: 1

CA FID UST:

Facility ID: 19056689
Regulated By: UTKNA
Regulated ID: 00046937
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 2134370531
Mail To: Not reported
Mailing Address: 790 W 012TH ST LONG BEACH
Mailing Address 2: Not reported
Mailing City,St,Zip: LONG BEACH 90813
Contact: Not reported
Contact Phone: Not reported
DUNS Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

H37 LONG BEACH SEAFOODS CO
NNE 0825 W 16TH ST
< 1/8 LONG BEACH, CA

0.092 mi.
485 ft.

Site 5 of 7 in cluster H

Relative:
Higher

LONG BEACH UST:

Actual:
16 ft.

DATA AS OF 02/25/2014:

Name: LONG BEACH SEAFOODS CO
Address: 0825 W 16TH ST
City,State,Zip: LONG BEACH, CA
Region: LONG BEACH
Tanks: 0T

CA UST U003659999
N/A

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LONG BEACH SEAFOODS CO (Continued)

U003659999

Tank Test: Not reported
Leak Test: Not reported
Tank Status: Not reported

**H38
NNE
< 1/8
0.092 mi.
485 ft.**

**HERITAGE FINE FOODS, INC.
825 WEST 16TH STREET
LONG BEACH, CA 90813**

RCRA NonGen / NLR

**1024758452
CAC002978294**

Site 6 of 7 in cluster H

**Relative:
Higher**

RCRA NonGen / NLR:

**Actual:
16 ft.**

Date form received by agency: 2018-08-30 00:00:00.0
Facility name: HERITAGE FINE FOODS, INC.
Facility address: 825 WEST 16TH STREET
LONG BEACH, CA 90813
EPA ID: CAC002978294
Mailing address: 1621 WEST 25TH STREET
SUITE 261
SAN PEDRO, CA 90732
Contact: COSIMO BRIGUGLIO
Contact address: 825 WEST 16TH STREET
LONG BEACH, CA 90813
Contact country: Not reported
Contact telephone: 562-256-7939
Contact email: CB_HERITAGEFINEFOODS@HOTMAIL.COM
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: FRANCESCO BRIGUGLIO
Owner/operator address: 825 WEST 16TH STREET
LONG BEACH, CA 90813
Owner/operator country: Not reported
Owner/operator telephone: 562-256-7939
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: COSIMO BRIGUGLIO
Owner/operator address: 825 WEST 16TH STREET
LONG BEACH, CA 90813
Owner/operator country: Not reported
Owner/operator telephone: 562-256-7939
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HERITAGE FINE FOODS, INC. (Continued)

1024758452

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

F39
East
< 1/8
0.093 mi.
489 ft.

JV AUTO BODY REPAIR
721 W 14TH ST UNIT B
LONG BEACH, CA 90813

RCRA NonGen / NLR

1024867212
CAL000435805

Site 5 of 6 in cluster F

Relative:
Lower

RCRA NonGen / NLR:

Actual:
11 ft.

Date form received by agency: 2018-05-04 00:00:00.0
Facility name: JV AUTO BODY REPAIR
Facility address: 721 W 14TH ST UNIT B
LONG BEACH, CA 90813
EPA ID: CAL000435805
Mailing address: 1858 FASHION AVE APT 3
LONG BEACH, CA 90810
Contact: JOSE V HERCULES FERNANDEZ
Contact address: 721 W 14TH ST UNIT B
LONG BEACH, CA 90813
Contact country: Not reported
Contact telephone: 562-719-6817
Contact email: Not reported
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: JOSE V HERCULES FERNANDEZ
Owner/operator address: 721 W 14TH ST UNIT B
LONG BEACH, CA 90813
Owner/operator country: Not reported
Owner/operator telephone: 562-719-6817
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: JOSE V HERCULES FERNANDEZ

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

JV AUTO BODY REPAIR (Continued)

1024867212

Owner/operator address: 1858 FASHION AVE APT 3
LONG BEACH, CA 90810
Owner/operator country: Not reported
Owner/operator telephone: 562-719-6817
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: Yes
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

J40
North
< 1/8
0.096 mi.
509 ft.

CITY LONG BEACH PUBLIC WORKS
1601 SAN FRANCISCO AVE
LONG BEACH, CA 90813
Site 1 of 7 in cluster J

RCRA NonGen / NLR 1000231626
FINDS CAD981632235

Relative:
Higher
Actual:
16 ft.

RCRA NonGen / NLR:
Date form received by agency: 1987-04-10 00:00:00.0
Facility name: CITY LONG BEACH PUBLIC WORKS
Facility address: 1601 SAN FRANCISCO AVE
LONG BEACH, CA 90813-0000
EPA ID: CAD981632235
Mailing address: 2600 TEMPLE AVENUE
LONG BEACH, CA 90806-0000
Contact: OLIVER CRUZ
Contact address: 2600 TEMPLE AVENUE
LONG BEACH, CA 90806
Contact country: Not reported
Contact telephone: 562-570-5430
Contact email: OLIVER.CRUZ@LONGBEACH.GOV
EPA Region: 09
Land type: Facility is not located on Indian land. Additional information is not known.
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: OLIVER CRUZ

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CITY LONG BEACH PUBLIC WORKS (Continued)

1000231626

Owner/operator address: 2600 TEMPLE AVENUE
LONG BEACH, CA 90806

Owner/operator country: Not reported
Owner/operator telephone: 562-570-5430
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: CITY OF LONG BEACH HEALTH DEPT
Owner/operator address: 2525 GRAND AVE STE 260
LONG BEACH, CA 90815

Owner/operator country: Not reported
Owner/operator telephone: 562-570-4000
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: Yes
Transporter of hazardous waste: Yes
Treater, storer or disposer of HW: Yes
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110013829474
Facility URL: http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110013829474

Environmental Interest/Information System:

AIR EMISSIONS CLASSIFICATION UNKNOWN

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CITY LONG BEACH PUBLIC WORKS (Continued)

1000231626

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

J41
North
< 1/8
0.096 mi.
509 ft.

LACDPW 17TH STREET PP
1601 SAN FRANCISCO AVE
LONG BEACH, CA 90813

RCRA NonGen / NLR

1024798822
CAL000206231

Site 2 of 7 in cluster J

Relative:
Higher

Actual:
16 ft.

RCRA NonGen / NLR:

Date form received by agency: 2001-03-13 00:00:00.0

Facility name: LACDPW 17TH STREET PP

Facility address: 1601 SAN FRANCISCO AVE
LONG BEACH, CA 90813-0000

EPA ID: CAL000206231

Mailing address: 900 S FREMONT AVE
ALHAMBRA, CA 91803-1331

Contact: ADRIANA FLORES
Contact address: 900 SOUTH FREMONT AVE.
ALHAMBRA, CA 91803-1331

Contact country: Not reported

Contact telephone: 626-458-7390

Contact email: AFLORES@DPW.LACOUNTY.GOV

EPA Region: 09

Classification: Non-Generator

Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: LA COUNTY PUBLIC WORKS

Owner/operator address: 900 S FREMONT AVE
ALHAMBRA, CA 91803

Owner/operator country: Not reported

Owner/operator telephone: 626-458-7390

Owner/operator email: Not reported

Owner/operator fax: Not reported

Owner/operator extension: Not reported

Legal status: Other

Owner/Operator Type: Owner

Owner/Op start date: Not reported

Owner/Op end date: Not reported

Owner/operator name: ADRIANA FLORES

Owner/operator address: 900 SOUTH FREMONT AVE.
ALHAMBRA, CA 91803

Owner/operator country: Not reported

Owner/operator telephone: 626-458-7390

Owner/operator email: Not reported

Owner/operator fax: Not reported

Owner/operator extension: Not reported

Legal status: Other

Owner/Operator Type: Operator

Owner/Op start date: Not reported

Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No

Mixed waste (haz. and radioactive): No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LACDPW 17TH STREET PP (Continued)

1024798822

Recycler of hazardous waste: No
Transporter of hazardous waste: Yes
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

J42
North
< 1/8
0.096 mi.
509 ft.

LACDPW 17TH STREET PP
1601 SAN FRANCISCO AVE
LONG BEACH, CA 90813

Site 3 of 7 in cluster J

CA SWF/IF S105247932
CA EMI N/A
CA HAZNET
CA HWTS

Relative:
Higher

LOS ANGELES CO. LF:

Actual:
16 ft.

Name: PUBLIC SERVICE TRANSFER STATION #2
Address: 1601 SAN FRANCISCO AVENUE
City,State,Zip: LONG BEACH, CA 90813
Site ID: 193
Alt. Address: Not reported
Site Contact: Not reported
Site Contact Phone: (562) 570-2711
Site Email: frank_ramirez@longbeach.gov
Site Website: Not reported
Site Type: Transfer and Processing Facility
Site SWIS Number: 19-AA-1049
Beginning Operation Date: Not reported
Ending Operation Date: Not reported
Local Enforcement Agency: Not reported
Maximun Depth Fill(Ft): Not reported
Permitted Capacity: Not reported
Present Use: Not reported
Remaining Capacity(Million): Not reported
Status: Closed
Waste Accepted: Green Materials; Household Trash
Hours of Operation: Not reported
Disposal Area (Acre): Not reported

Detail As Of 01/2014:

Operator Name: Not reported
Operator Address: Not reported
Operator City/State/Zip: Not reported
Operator Contact: Not reported
Operator Telephone: Not reported
Operator Email: Not reported
Owner Name: Not reported
Owner Address: Not reported
Owner City/State/Zip: Not reported
Owner Contact: Not reported
Owner Telephone: Not reported
Owner Email: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LACDPW 17TH STREET PP (Continued)

S105247932

EMI:

Name: LONG BEACH CITY, PUB SERV DEPT
Address: 1601 SAN FRANCISCO AVE.
City,State,Zip: LONG BEACH, CA 908130000
Year: 1987
County Code: 19
Air Basin: SC
Facility ID: 774
Air District Name: SC
SIC Code: 9441
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Name: LONG BEACH CITY, PUB SERV DEPT
Address: 1601 SAN FRANCISCO AVE.
City,State,Zip: LONG BEACH, CA 908130000
Year: 1990
County Code: 19
Air Basin: SC
Facility ID: 774
Air District Name: SC
SIC Code: 9441
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 2
Reactive Organic Gases Tons/Yr: 1
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Name: LONG BEACH CITY, PUB SERV DEPT
Address: 1601 SAN FRANCISCO AVE.
City,State,Zip: LONG BEACH, CA 908130000
Year: 1995
County Code: 19
Air Basin: SC
Facility ID: 774
Air District Name: SC
SIC Code: 9441
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 1
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LACDPW 17TH STREET PP (Continued)

S105247932

SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr: 0

Name: LONG BEACH CITY, PUB SERV DEPT
Address: 1601 SAN FRANCISCO AVE.
City,State,Zip: LONG BEACH, CA 908130000
Year: 1997
County Code: 19
Air Basin: SC
Facility ID: 774
Air District Name: SC
SIC Code: 7699
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 1
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr: 0

Name: LONG BEACH CITY, PUB SERV DEPT
Address: 1601 SAN FRANCISCO AVE.
City,State,Zip: LONG BEACH, CA 908130000
Year: 1998
County Code: 19
Air Basin: SC
Facility ID: 774
Air District Name: SC
SIC Code: 7699
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 1
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr: 0

Name: LONG BEACH CITY, PUB SERV DEPT
Address: 1601 SAN FRANCISCO AVE.
City,State,Zip: LONG BEACH, CA 908130000
Year: 1999
County Code: 19
Air Basin: SC
Facility ID: 774
Air District Name: SC
SIC Code: 7699
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LACDPW 17TH STREET PP (Continued)

S105247932

Reactive Organic Gases Tons/Yr: 1
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Name: LONG BEACH CITY, PUB SERV DEPT
Address: 1601 SAN FRANCISCO AVE.
City,State,Zip: LONG BEACH, CA 908130000
Year: 2000
County Code: 19
Air Basin: SC
Facility ID: 774
Air District Name: SC
SIC Code: 7699
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 1
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Name: LONG BEACH CITY, PUB SERV DEPT
Address: 1601 SAN FRANCISCO AVE.
City,State,Zip: LONG BEACH, CA 908130000
Year: 2001
County Code: 19
Air Basin: SC
Facility ID: 774
Air District Name: SC
SIC Code: 7699
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 1
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

HAZNET:

Name: LACDPW 17TH STREET PP
Address: 1601 SAN FRANCISCO AVE
Address 2: Not reported
City,State,Zip: LONG BEACH, CA 908130000
Contact: ADRIANA FLORES
Telephone: 6264587390
Mailing Name: Not reported
Mailing Address: 900 S FREMONT AVE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LACDPW 17TH STREET PP (Continued)

S105247932

Year: 2017
Gepaid: CAL000206231
TSD EPA ID: CAD028409019
CA Waste Code: 352 - Other organic solids
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No
Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.055

Year: 2017
Gepaid: CAL000206231
TSD EPA ID: CAD028409019
CA Waste Code: 221 - Waste oil and mixed oil
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No
Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.684

Additional Info:

Year: 2017
Gen EPA ID: CAL000206231

Shipment Date: 20171024
Creation Date: 5/30/2018 18:31:28
Receipt Date: 20171026
Manifest ID: 015604425JJK
Trans EPA ID: CAD983608258
Trans Name: OCEAN BLUE ENVIRONMENTAL SVCS
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD028409019
Trans Name: CROSBY & OVERTON
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: 352 - Other organic solids
RCRA Code: Not reported
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No
Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.055
Waste Quantity: 110
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20171024
Creation Date: 5/30/2018 18:31:28
Receipt Date: 20171026
Manifest ID: 015604425JJK
Trans EPA ID: CAD983608258
Trans Name: OCEAN BLUE ENVIRONMENTAL SVCS
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD028409019
Trans Name: CROSBY & OVERTON
TSDF Alt EPA ID: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LACDPW 17TH STREET PP (Continued)

S105247932

TSDF Alt Name: Not reported
CA Waste Code: 221 - Waste oil and mixed oil
RCRA Code: Not reported
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No
Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.684
Waste Quantity: 180
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

HWTS:

Name: LACDPW 17TH STREET PP
Address: 1601 SAN FRANCISCO AVE
Address 2: Not reported
City,State,Zip: LONG BEACH, CA 908130000
EPA ID: CAL000206231
Inactive Date: Not reported
Create Date: 03/13/2001
Last Act Date: 08/19/2019
Mailing Name: Not reported
Mailing Address: PO BOX 1460
Mailing Address 2: Not reported
Mailing City,State,Zip: ALHAMBRA, CA 918031460
Owner Name: LA COUNTY PUBLIC WORKS
Owner Address: 900 S FREMONT AVE
Owner Address 2: Not reported
Owner City,State,Zip: ALHAMBRA, CA 918031331
Contact Name: ADRIANA FLORES
Contact Address: 900 SOUTH FREMONT AVE.
Contact Address 2: Not reported
City,State,Zip: ALHAMBRA, CA 918031331

NAICS:

EPA ID: CAL000206231
Create Date: 2002-03-14 16:36:29
NAICS Code: 23499
NAICS Description: All Other Heavy Construction
Issued EPA ID Date: 2001-03-13 00:00:00
Inactive Date: Not reported
Facility Name: LACDPW 17TH STREET PP
Facility Address: 1601 SAN FRANCISCO AVE
Facility Address 2: Not reported
Facility City: LONG BEACH
Facility County: 19
Facility State: CA
Facility Zip: 908130000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

F43 **ALBERTSON TIRE CO INC** **EDR Hist Auto** **1020127628**
East **708 W 14TH ST**
< 1/8 **LONG BEACH, CA 90813**
0.100 mi.
526 ft. **Site 6 of 6 in cluster F**

Relative: EDR Hist Auto
Lower

Actual:	Year:	Name:	Type:
10 ft.	1993	ALBERTSON TIRE CO INC	Auto And Home Supply Stores, NEC
	1994	ALBERTSON TIRE CO INC	Auto And Home Supply Stores, NEC
	1995	ALBERTSON TIRE CO INC	Auto And Home Supply Stores, NEC
	1996	ALBERTSON TIRE CO INC	Auto And Home Supply Stores, NEC
	2000	J & D HYTRONICS	Gasoline Service Stations, NEC
	2001	J & D HYTRONICS	Gasoline Service Stations, NEC
	2002	J & D HYTRONICS	Gasoline Service Stations, NEC

K44 **HENDERSON & COMPANY** **CA UST** **U003660594**
ENE **0703 W COWLES ST**
< 1/8 **LONG BEACH, CA**
0.100 mi.
530 ft. **Site 1 of 10 in cluster K**

Relative: LONG BEACH UST:
Higher

Actual: DATA AS OF 02/25/2014:
15 ft.

Name:	HENDERSON & COMPANY
Address:	0703 W COWLES ST
City,State,Zip:	LONG BEACH, CA
Region:	LONG BEACH
Tanks:	1T
Tank Test:	Not reported
Leak Test:	Not reported
Tank Status:	Not reported

E45 **CHEVRON #209725 (2 D/W XERXES 15 & 20M)** **CA UST** **U003854693**
SE **0725 W ANAHEIM ST**
< 1/8 **LONG BEACH, CA**
0.101 mi.
533 ft. **Site 4 of 4 in cluster E**

Relative: LONG BEACH UST:
Lower

Actual: DATA AS OF 02/25/2014:
11 ft.

Name:	CHEVRON #209725 (2 D/W XERXES 15 & 20M)
Address:	0725 W ANAHEIM ST
City,State,Zip:	LONG BEACH, CA
Region:	LONG BEACH
Tanks:	2T
Tank Test:	Dual Walled
Leak Test:	Not reported
Tank Status:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

L46
WSW
< 1/8
0.103 mi.
544 ft.
LONG BEACH CITY TOW YARD
901 ANAHEIM ST W
LONG BEACH, CA 90813
Site 1 of 3 in cluster L

CA LUST
CA CERS
S104916177
N/A

Relative:
Lower

LUST:

Actual:
0 ft.

Name: LONG BEACH CITY TOW YARD
Address: 901 ANAHEIM ST W
City,State,Zip: LONG BEACH, CA 90813
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603701960
Global Id: T0603701960
Latitude: 33.7838334374851
Longitude: -118.203706741333
Status: Completed - Case Closed
Status Date: 07/06/2011
Case Worker: DMB
RB Case Number: 908130498
Local Agency: LONG BEACH, CITY OF
File Location: Regional Board
Local Case Number: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:

Global Id: T0603701960
Contact Type: Local Agency Caseworker
Contact Name: CARMEN PIRO
Organization Name: LONG BEACH, CITY OF
Address: 2525 GRAND AVE.
City: LONG BEACH
Email: carmen.piro@longbeach.gov
Phone Number: 5625704137

Global Id: T0603701960
Contact Type: Regional Board Caseworker
Contact Name: DAVID M. BJOSTAD
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4th Street, Suite 200
City: Los Angeles
Email: dave.bjostad@waterboards.ca.gov
Phone Number: Not reported

LUST:

Global Id: T0603701960
Action Type: ENFORCEMENT
Date: 02/19/2002
Action: Staff Letter

Global Id: T0603701960
Action Type: RESPONSE
Date: 07/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603701960
Action Type: ENFORCEMENT

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LONG BEACH CITY TOW YARD (Continued)

S104916177

Date:	06/15/2009
Action:	Staff Letter
Global Id:	T0603701960
Action Type:	RESPONSE
Date:	11/19/2001
Action:	Soil and Water Investigation Workplan
Global Id:	T0603701960
Action Type:	ENFORCEMENT
Date:	06/22/2001
Action:	Staff Letter
Global Id:	T0603701960
Action Type:	ENFORCEMENT
Date:	12/28/2009
Action:	Staff Letter
Global Id:	T0603701960
Action Type:	RESPONSE
Date:	04/19/2002
Action:	Soil and Water Investigation Report
Global Id:	T0603701960
Action Type:	RESPONSE
Date:	04/15/2010
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603701960
Action Type:	RESPONSE
Date:	04/15/2010
Action:	Other Report / Document
Global Id:	T0603701960
Action Type:	RESPONSE
Date:	07/15/2009
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603701960
Action Type:	RESPONSE
Date:	01/15/2007
Action:	Monitoring Report - Quarterly
Global Id:	T0603701960
Action Type:	RESPONSE
Date:	04/15/2010
Action:	Electronic Reporting Submittal Due
Global Id:	T0603701960
Action Type:	ENFORCEMENT
Date:	06/03/2011
Action:	Notification - Preclosure
Global Id:	T0603701960
Action Type:	ENFORCEMENT
Date:	07/06/2011
Action:	Closure/No Further Action Letter

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LONG BEACH CITY TOW YARD (Continued)

S104916177

Global Id:	T0603701960
Action Type:	Other
Date:	08/30/1995
Action:	Leak Discovery
Global Id:	T0603701960
Action Type:	RESPONSE
Date:	01/15/2011
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603701960
Action Type:	RESPONSE
Date:	10/15/2006
Action:	Monitoring Report - Quarterly
Global Id:	T0603701960
Action Type:	ENFORCEMENT
Date:	11/02/2010
Action:	Staff Letter
Global Id:	T0603701960
Action Type:	Other
Date:	08/30/1995
Action:	Leak Reported
Global Id:	T0603701960
Action Type:	RESPONSE
Date:	04/15/2006
Action:	Monitoring Report - Quarterly

LUST:

Global Id:	T0603701960
Status:	Open - Case Begin Date
Status Date:	08/30/1995
Global Id:	T0603701960
Status:	Open - Site Assessment
Status Date:	08/30/1995
Global Id:	T0603701960
Status:	Open - Verification Monitoring
Status Date:	08/30/1995
Global Id:	T0603701960
Status:	Open - Site Assessment
Status Date:	06/22/2001
Global Id:	T0603701960
Status:	Open - Verification Monitoring
Status Date:	08/11/2005
Global Id:	T0603701960
Status:	Completed - Case Closed
Status Date:	07/06/2011

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LONG BEACH CITY TOW YARD (Continued)

S104916177

LUST REG 4:

Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facility Id:	908130498	
Status:	Preliminary site assessment workplan submitted	
Substance:	Gasoline	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Soil	
Abatement Method Used at the Site:	Excavate and Dispose	
Global ID:	T0603701960	
W Global ID:	Not reported	
Staff:	NC	
Local Agency:	19060	
Cross Street:	SAN FRANCISCO	
Enforcement Type:	LET	
Date Leak Discovered:	8/30/1995	
Date Leak First Reported:	8/30/1995	
Date Leak Record Entered:	6/7/1996	
Date Confirmation Began:	8/30/1995	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:	11/15/2001	
Date the Case was Closed:	Not reported	
How Leak Discovered:	Tank Closure	
How Leak Stopped:	Not reported	
Cause of Leak:	Corrosion	
Leak Source:	Tank	
Operator:	CHUCK RAMSEY	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):	16469.944344413791268620002409	
Source of Cleanup Funding:	Tank	
Preliminary Site Assessment Workplan Submitted:	6/22/2001	
Preliminary Site Assessment Began:	Not reported	
Pollution Characterization Began:	Not reported	
Remediation Plan Submitted:	Not reported	
Remedial Action Underway:	Not reported	
Post Remedial Action Monitoring Began:	8/30/1995	
Enforcement Action Date:	Not reported	
Historical Max MTBE Date:	Not reported	
Hist Max MTBE Conc in Groundwater:	Not reported	
Hist Max MTBE Conc in Soil:	Not reported	
Significant Interim Remedial Action Taken:	Not reported	
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	DAVID MCCARTHY	
RP Address:	2600 TEMPLE AVE.	
Program:	LUST	
Lat/Long:	33.7827207 / -1	
Local Agency Staff:	Not reported	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LONG BEACH CITY TOW YARD (Continued)

S104916177

Assigned Name: Not reported
Summary: CITY OF LONG BEACH PURCHASED PIECE OF LAND. TANK WAS FOUND ABANDONED
AFTER SALE. CITY REMOVED TANK AND DISCOVERED TANKLEAK.
OLD CASE #960607-01

CERS:

Name: LONG BEACH CITY TOW YARD
Address: 901 ANAHEIM ST W
City,State,Zip: LONG BEACH, CA 90813
Site ID: 215743
CERS ID: T0603701960
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc: Regional Board Caseworker
Entity Name: DAVID M. BJOSTAD - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: 320 W. 4th Street, Suite 200
Affiliation City: Los Angeles
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Local Agency Caseworker
Entity Name: CARMEN PIRO - LONG BEACH, CITY OF
Entity Title: Not reported
Affiliation Address: 2525 GRAND AVE.
Affiliation City: LONG BEACH
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 5625704137

L47
WSW
< 1/8
0.106 mi.
558 ft.

CITY OF LONG BEACH
0929 W ANAHEIM ST
LONG BEACH, CA

CA UST **U003660158**
N/A

Site 2 of 3 in cluster L

Relative:
Lower

LONG BEACH UST:

Actual:
0 ft.

DATA AS OF 02/25/2014:

Name: CITY OF LONG BEACH
Address: 0929 W ANAHEIM ST
City,State,Zip: LONG BEACH, CA
Region: LONG BEACH
Tanks: 0T
Tank Test: Not reported
Leak Test: Not reported
Tank Status: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

	Site	Database(s)	
H48 NNE < 1/8 0.106 mi. 561 ft. Relative: Higher Actual: 15 ft.	PACIFIC X-RAY CO 0711 W 16TH ST LONG BEACH, CA Site 7 of 7 in cluster H LONG BEACH UST: DATA AS OF 02/25/2014: Name: PACIFIC X-RAY CO Address: 0711 W 16TH ST City,State,Zip: LONG BEACH, CA Region: LONG BEACH Tanks: 0T Tank Test: Not reported Leak Test: Not reported Tank Status: Not reported	CA UST	U003659998 N/A
L49 WSW < 1/8 0.109 mi. 573 ft. Relative: Lower Actual: 0 ft.	SIFTON A D 949 W ANAHEIM ST LONG BEACH, CA Site 3 of 3 in cluster L EDR Hist Auto Year: Name: Type: 1931 SIFTON A D GASOLINE AND OIL SERVICE STATIONS 1935 MISRACK J S GASOLINE AND OIL SERVICE STATIONS	EDR Hist Auto	1009049156 N/A
G50 NE < 1/8 0.110 mi. 580 ft. Relative: Higher Actual: 14 ft.	MESA ENVIRONMENTAL SVCS INC 721 W 15TH ST LONG BEACH, CA 90813 Site 5 of 7 in cluster G RCRA NonGen / NLR: Date form received by agency: 2000-05-02 00:00:00.0 Facility name: MESA ENVIRONMENTAL SVCS INC Facility address: 721 W 15TH ST LONG BEACH, CA 90813 EPA ID: CA0000206599 Contact: ANGELA BUTLER Contact address: P O BOX 9128 LONG BEACH, CA 90810-0128 Contact country: US Contact telephone: 562-901-3470 Contact email: Not reported EPA Region: 09 Classification: Non-Generator Description: Handler: Non-Generators do not presently generate hazardous waste Owner/Operator Summary: Owner/operator name: JOE M ORTEGA Owner/operator address: P O BOX 9128 LONG BEACH, CA 90810 Owner/operator country: Not reported Owner/operator telephone: 310-901-3470	RCRA NonGen / NLR FINDS ECHO	1000904945 CA0000206599

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MESA ENVIRONMENTAL SVCS INC (Continued)

1000904945

Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002615563
Facility URL: http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110002615563

Environmental Interest/Information System:

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1000904945
Registry ID: 110002615563
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110002615563>
Name: MESA ENVIRONMENTAL SVCS INC
Address: 721 W 15TH ST
City,State,Zip: LONG BEACH, CA 90813

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

M51
NE
< 1/8
0.112 mi.
589 ft.

VINOTEMP INTERNATIONAL
700 W 16TH ST
LONG BEACH, CA 90813

RCRA NonGen / NLR

1024846833
CAL000401315

Site 1 of 5 in cluster M

Relative:
Higher

RCRA NonGen / NLR:

Actual:
14 ft.

Date form received by agency: 2014-10-16 00:00:00.0
Facility name: VINOTEMP INTERNATIONAL
Facility address: 700 W 16TH ST
LONG BEACH, CA 90813-1411
EPA ID: CAL000401315
Mailing address: 16782 VON KARMAN AVE., SUITE 15
IRVINE, CA 92606-0000
Contact: ADRIANA HERNANDEZ
Contact address: 16782 VON KARMAN AVE., SUITE 15
IRVINE, CA 92606-0000
Contact country: Not reported
Contact telephone: 310-886-3332
Contact email: AHERNANDEZ@VINOTEMP.COM
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: INDIA HYNES
Owner/operator address: 367 CRESECT BAY DR
LAGUNA BEACH, CA 92615
Owner/operator country: Not reported
Owner/operator telephone: 310-886-3332
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: ADRIANA HERNANDEZ
Owner/operator address: 16782 VON KARMAN AVE., SUITE 15
IRVINE, CA 92606
Owner/operator country: Not reported
Owner/operator telephone: 310-886-3332
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: Yes
Treater, storer or disposer of HW: No
Underground injection activity: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VINOTEMP INTERNATIONAL (Continued)

1024846833

On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

K52
ENE
< 1/8
0.112 mi.
594 ft.

AIR CARGO (NOT PREVIOUSLY ON TANK LIST)
0665 W COWLES ST #3
LONG BEACH, CA

CA UST **U003660593**
N/A

Site 2 of 10 in cluster K

Relative:
Higher

LONG BEACH UST:

Actual:
16 ft.

DATA AS OF 02/25/2014:

Name: AIR CARGO (NOT PREVIOUSLY ON TANK LIST)
Address: 0665 W COWLES ST #3
City,State,Zip: LONG BEACH, CA
Region: LONG BEACH
Tanks: 0T
Tank Test: Not reported
Leak Test: Not reported
Tank Status: Not reported

N53
SE
< 1/8
0.114 mi.
603 ft.

DOUGLAS ROBINSON PROPERTY
718 ANAHEIM
LONG BEACH, CA 90806

CA HIST CORTESE **S102590610**
N/A

Site 1 of 5 in cluster N

Relative:
Lower

HIST CORTESE:

Actual:
11 ft.

edr_fname: DOUGLAS ROBINSON PROPERTY
edr_fadd1: 718 ANAHEIM
City,State,Zip: LONG BEACH, CA 90806
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 908130252

N54
SE
< 1/8
0.114 mi.
603 ft.

ELLIS FAMILY TRUST
718 ANAHEIM
LONG BEACH, CA 90813

CA CPS-SLIC **S103546800**
N/A

Site 2 of 5 in cluster N

Relative:
Lower

SLIC REG 4:

Actual:
11 ft.

Region: 4
Facility Status: Inactive
SLIC: 0551
Substance: VOCs

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ELLIS FAMILY TRUST (Continued)

S103546800

Staff: ACJ

G55
NE
< 1/8
0.116 mi.
610 ft.
Relative:
Higher
Actual:
14 ft.

SELF ENTERPRISES INC
711 W 15TH ST
LONG BEACH, CA 90813
Site 6 of 7 in cluster G

EDR Hist Auto 1021971802
N/A

EDR Hist Auto

Year: Name:
1991 SELF ENTERPRISES INC

Type:
Gasoline Service Stations, NEC

I56
SSE
< 1/8
0.117 mi.
618 ft.

CALIF GLASS DIST
790 W 12TH ST LONG BEACH
LONG BEACH, CA 90813
Site 2 of 3 in cluster I

CA HIST UST U001566293
N/A

Relative:
Lower
Actual:
12 ft.

HIST UST:

Name: CALIF GLASS DIST
Address: 790 W 12TH ST LONG BEACH
City,State,Zip: LONG BEACH, CA 90813
File Number: 0002691C
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002691C.pdf>
Region: STATE
Facility ID: 00000046937
Facility Type: Other
Other Type: GLASS DISTRIBUTOR
Contact Name: J. STEIN
Telephone: 2134370531
Owner Name: CAL-PACIFIC WINDSHIELD DBA CAL
Owner Address: 790 W. 12TH ST. LONG BEACH
Owner City,St,Zip: LONG BEACH, CA 90813
Total Tanks: 0001

Tank Num: 001
Container Num: 1
Year Installed: Not reported
Tank Capacity: 00009940
Tank Used for: PRODUCT
Type of Fuel: PREMIUM
Container Construction Thickness: Not reported
Leak Detection: Visual, Stock Inventor

[Click here for Geo Tracker PDF:](#)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

I57
SSE
< 1/8
0.117 mi.
618 ft.
FILE ONLY - CAL PACIFIC
0790 W 12TH ST
LONG BEACH, CA
Site 3 of 3 in cluster I

Relative: LONG BEACH UST:
Lower

Actual: DATA AS OF 02/25/2014:
12 ft. Name: FILE ONLY - CAL PACIFIC
Address: 0790 W 12TH ST
City,State,Zip: LONG BEACH, CA
Region: LONG BEACH
Tanks: 0T
Tank Test: Not reported
Leak Test: Not reported
Tank Status: Not reported

CA UST **U003659962**
N/A

K58
ENE
< 1/8
0.117 mi.
620 ft.
1451 OREGON AVE
LONG BEACH, CA
Site 3 of 10 in cluster K

Relative: LONG BEACH UST:
Higher

Actual: DATA AS OF 02/25/2014:
16 ft. Name: Not reported
Address: 1451 OREGON AVE
City,State,Zip: LONG BEACH, CA
Region: LONG BEACH
Tanks: 0F
Tank Test: Not reported
Leak Test: Not reported
Tank Status: Not reported

CA UST **U003920173**
N/A

G59
NE
< 1/8
0.119 mi.
628 ft.
LOEM'S SPORTS WEAR
1501 OREGON AVE
LONG BEACH, CA
Site 7 of 7 in cluster G

Relative: LONG BEACH UST:
Higher

Actual: DATA AS OF 02/25/2014:
13 ft. Name: LOEM'S SPORTS WEAR
Address: 1501 OREGON AVE
City,State,Zip: LONG BEACH, CA
Region: LONG BEACH
Tanks: 0T
Tank Test: Not reported
Leak Test: Not reported
Tank Status: Not reported

CA UST **U003661150**
N/A

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

J60
North
< 1/8
0.121 mi.
641 ft.

1630 SAN FRANCISCO AVE
LONG BEACH, CA

Site 4 of 7 in cluster J

Relative:
Higher

LONG BEACH UST:

Actual:
17 ft.

DATA AS OF 02/25/2014:

Name:	Not reported
Address:	1630 SAN FRANCISCO AVE
City,State,Zip:	LONG BEACH, CA
Region:	LONG BEACH
Tanks:	0T
Tank Test:	Not reported
Leak Test:	Not reported
Tank Status:	Not reported

CA UST

U003920250
N/A

J61
North
< 1/8
0.121 mi.
641 ft.

CITY TOW SERVICE & GARAGE INC
1630 SAN FRANCISCO AVE
LONG BEACH, CA

Site 5 of 7 in cluster J

Relative:
Higher

EDR Hist Auto

Actual:
17 ft.

Year:	Name:	Type:
1969	CITY TOW SERVICE & GARAGE INC	AUTOMOBILE REPAIRING
1969	CITY TOW SERVICE & GARAGE INC	AUTOMOBILE REPAIRING

EDR Hist Auto

1009050512
N/A

N62
ESE
1/8-1/4
0.127 mi.
670 ft.

VACANT
0710 W ANAHEIM ST
LONG BEACH, CA

Site 3 of 5 in cluster N

Relative:
Lower

LONG BEACH UST:

Actual:
11 ft.

DATA AS OF 02/25/2014:

Name:	VACANT
Address:	0710 W ANAHEIM ST
City,State,Zip:	LONG BEACH, CA
Region:	LONG BEACH
Tanks:	0T
Tank Test:	Not reported
Leak Test:	Not reported
Tank Status:	Not reported

CA UST

U003854692
N/A

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

K63
ENE
1/8-1/4
0.134 mi.
705 ft.

CARAVAN MANUFACTURING CO INC
1424 OREGON AVE
LONG BEACH, CA

CA UST

U003661147
N/A

Site 4 of 10 in cluster K

Relative:
Higher

LONG BEACH UST:

Actual:
15 ft.

DATA AS OF 02/25/2014:

Name: CARAVAN MANUFACTURING CO INC
Address: 1424 OREGON AVE
City,State,Zip: LONG BEACH, CA
Region: LONG BEACH
Tanks: 0T
Tank Test: Not reported
Leak Test: Not reported
Tank Status: Not reported

O64
East
1/8-1/4
0.134 mi.
707 ft.

NOVA TECHNO CORPORATION
1368 OREGON AVENUE
LONG BEACH, CA 90813

RCRA NonGen / NLR

1025879992
CAP000147223

Site 1 of 6 in cluster O

Relative:
Higher

RCRA NonGen / NLR:

Actual:
13 ft.

Date form received by agency: 2003-08-15 00:00:00.0
Facility name: NOVA TECHNO CORPORATION
Facility address: 1368 OREGON AVENUE
LONG BEACH, CA 90813
EPA ID: CAP000147223
Mailing address: 5901 WARNER AVE
BOX 415
HUNTINGTON BEACH, CA 92649-4659
Contact: AMY PONZIO
Contact address: 5901 WARNER AVE BOX 415
HUNTINGTON BEACH, CA 92649-4659
Contact country: US
Contact telephone: 714-325-8222
Contact email: Not reported
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: NOVA TECHNO CORP
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 1974-01-01 00:00:00.
Owner/Op end date: Not reported

Owner/operator name: NOVA TECHNO CORP
Owner/operator address: Not reported
Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NOVA TECHNO CORPORATION (Continued)

1025879992

Owner/operator country: Not reported
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 1977-04-01 00:00:00.
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Hazardous Waste Summary:

. Waste code: D007
. Waste name: CHROMIUM

Violation Status: No violations found

O65
East
1/8-1/4
0.134 mi.
707 ft.
Relative:
Higher
Actual:
13 ft.

NOVA TECHNO CORP
1368 OREGON AVE
LONG BEACH, CA
Site 2 of 6 in cluster O

CA CPS-SLIC **1000143314**
CA UST **N/A**
CA HIST UST
CA FID UST
CA NPDES
CA CIWQS
CA CERS

CPS-SLIC:
Name: NOVA TECHNO CORPORATION
Address: 1368 OREGON ST
City,State,Zip: LONG BEACH, CA 90813
Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 10/23/2003
Global Id: SL184691452
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number: Not reported
Latitude: 33.8038112212478
Longitude: -118.164083698727
Case Type: Cleanup Program Site
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: 0624

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NOVA TECHNO CORP (Continued)

1000143314

File Location: Not reported
Potential Media Affected: Not reported
Potential Contaminants of Concern: Not reported
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

SLIC REG 4:

Region: 4
Facility Status: No further action required
SLIC: 0624
Substance: Cr
Staff: RE

LONG BEACH UST:

DATA AS OF 02/25/2014:

Name: NOVA TECHNO CORP
Address: 1368 OREGON AVE
City,State,Zip: LONG BEACH, CA
Region: LONG BEACH
Tanks: 1F
Tank Test: Not reported
Leak Test: Not reported
Tank Status: Not reported

HIST UST:

Name: NOVA TECHNO CORPORATION
Address: 1368 OREGON AVE
City,State,Zip: LONG BEACH, CA 90813
File Number: 00027977
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00027977.pdf>
Region: STATE
Facility ID: 00000006617
Facility Type: Other
Other Type: CHROME PLATING
Contact Name: SAM P. PONZIO,
Telephone: 2135992497
Owner Name: NOVA TECHNO CORPORATION
Owner Address: 1368 OREGON AVE.
Owner City,St,Zip: LONG BEACH, CA 90813
Total Tanks: 0003

Tank Num: 001
Container Num: 1
Year Installed: 1974
Tank Capacity: 00002000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: 1/4"
Leak Detection: Visual

Tank Num: 002
Container Num: 2
Year Installed: 1978
Tank Capacity: 00000800

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NOVA TECHNO CORP (Continued)

1000143314

Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: 1/4"
Leak Detection: Visual

Tank Num: 003
Container Num: 3
Year Installed: 1972
Tank Capacity: 00002000
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 6
Leak Detection: Visual

[Click here for Geo Tracker PDF:](#)

CA FID UST:

Facility ID: 19029718
Regulated By: UTNKA
Regulated ID: 00006617
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 2135992497
Mail To: Not reported
Mailing Address: 1368 OREGON AVE
Mailing Address 2: Not reported
Mailing City,St,Zip: LONG BEACH 90813
Contact: Not reported
Contact Phone: Not reported
DUNS Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

NPDES:

Name: NOVA TECHNO CORP
Address: 1368 OREGON AVE
City,State,Zip: LONG BEACH, CA 90813
Facility Status: Not reported
NPDES Number: Not reported
Region: Not reported
Agency Number: Not reported
Regulatory Measure ID: Not reported
Place ID: Not reported
Order Number: Not reported
WDID: 4 19I005529
Regulatory Measure Type: Industrial
Program Type: Not reported
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported
Expiration Date Of Regulatory Measure: Not reported
Discharge Address: Not reported
Discharge Name: Not reported
Discharge City: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NOVA TECHNO CORP (Continued)

1000143314

Discharge State: Not reported
Discharge Zip: Not reported
Status: Terminated
Status Date: 03/30/1992
Operator Name: Nova Techno Corp
Operator Address: 1368 Oregon Ave
Operator City: Long Beach
Operator State: California
Operator Zip: 90813

NPDES as of 03/2018:

NPDES Number: Not reported
Status: Not reported
Agency Number: Not reported
Region: 4
Regulatory Measure ID: 268835
Order Number: Not reported
Regulatory Measure Type: Industrial
Place ID: Not reported
WDID: 4 19I005529
Program Type: Not reported
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: Not reported
Expiration Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported
Discharge Name: Not reported
Discharge Address: Not reported
Discharge City: Not reported
Discharge State: Not reported
Discharge Zip: Not reported
Received Date: 05/09/2008
Processed Date: 03/30/1992
Status: Terminated
Status Date: 03/30/1992
Place Size: 5900
Place Size Unit: SqFt
Contact: Sam P Ponzio
Contact Title: Not reported
Contact Phone: 310-599-2497
Contact Phone Ext: Not reported
Contact Email: Not reported
Operator Name: Nova Techno Corp
Operator Address: 1368 Oregon Ave
Operator City: Long Beach
Operator State: California
Operator Zip: 90813
Operator Contact: Sam P Ponzio
Operator Contact Title: Not reported
Operator Contact Phone: 310-599-2497
Operator Contact Phone Ext: Not reported
Operator Contact Email: Not reported
Operator Type: Private Business
Developer: Not reported
Developer Address: Not reported
Developer City: Not reported
Developer State: California
Developer Zip: Not reported
Developer Contact: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NOVA TECHNO CORP (Continued)

1000143314

Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	310-599-2497
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commercial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Los Angeles River
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	3471-Electroplating, Plating, Polishing, Anodizing, and Coloring
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

CIWQS:

Name:	NOVA TECHNO CORP
Address:	1368 OREGON AVE
City,State,Zip:	LONG BEACH, CA 90813
Agency:	Nova Techno Corp
Agency Address:	1368 Oregon Ave, Long Beach, CA 90813
Place/Project Type:	Industrial - Electroplating, Plating, Polishing, Anodizing, and Coloring
SIC/NAICS:	3471
Region:	4
Program:	INDSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	4 19I005529
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	03/30/1992
Termination Date:	Not reported
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	33.78337

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NOVA TECHNO CORP (Continued)

1000143314

Longitude: -118.20099

CERS:

Name: NOVA TECHNO CORPORATION
Address: 1368 OREGON ST
City,State,Zip: LONG BEACH, CA 90813
Site ID: 208337
CERS ID: SL184691452
CERS Description: Cleanup Program Site

**O66
East
1/8-1/4
0.134 mi.
707 ft.**

**NOVA TECHNO CORPORATION
1368 OREGON AVENUE
LONG BEACH, CA 90058**

RCRA NonGen / NLR

**1007198916
CAD066662503**

Site 3 of 6 in cluster O

**Relative:
Higher**

RCRA NonGen / NLR:

**Actual:
13 ft.**

Date form received by agency: 1999-03-04 00:00:00.0
Facility name: NOVA TECHNO CORPORATION
Facility address: 1368 OREGON AVENUE
LONG BEACH, CA 90058
EPA ID: CAD066662503
Contact: AMY PONZIO
Contact address: Not reported
Not reported
Contact country: US
Contact telephone: 562-599-2497
Contact email: Not reported
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: NOVA TECHNO CORPORATION
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NOVA TECHNO CORPORATION (Continued)

1007198916

Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 1996-09-01 00:00:00.0
Site name: NOVA TECHNO CORPORATION
Classification: Not a generator, verified

Date form received by agency: 1980-08-07 00:00:00.0
Site name: NOVA TECHNO CORPORATION
Classification: Large Quantity Generator

Violation Status: No violations found

O67
East
1/8-1/4
0.134 mi.
707 ft.

NOVA TECHNO CORPORATION
1368 OREGON AVE
LONG BEACH, CA 90813

CA SWEEPS UST **1007248783**
N/A

Site 4 of 6 in cluster O

Relative:
Higher

SWEEPS UST:

Actual:
13 ft.

Name: NOVA TECHNO CORPORATION
Address: 1368 OREGON AVE
City: LONG BEACH
Status: Active
Comp Number: 6617
Number: 9
Board Of Equalization: 44-013367
Referral Date: 07-01-85
Action Date: Not reported
Created Date: 02-29-88
Owner Tank Id: 1
SWRCB Tank Id: 19-060-006617-000001
Tank Status: A
Capacity: 2000
Active Date: 07-01-85
Tank Use: UNKNOWN
STG: P
Content: Not reported
Number Of Tanks: 2

Name: NOVA TECHNO CORPORATION

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NOVA TECHNO CORPORATION (Continued)

1007248783

Address: 1368 OREGON AVE
City: LONG BEACH
Status: Active
Comp Number: 6617
Number: 9
Board Of Equalization: 44-013367
Referral Date: 07-01-85
Action Date: Not reported
Created Date: 02-29-88
Owner Tank Id: 2
SWRCB Tank Id: 19-060-006617-000002
Tank Status: A
Capacity: 800
Active Date: 07-01-85
Tank Use: UNKNOWN
STG: P
Content: Not reported
Number Of Tanks: Not reported

N68 WEST COAST CHOPPERS
ESE 718 ANAHEIM ST W
1/8-1/4 LONG BEACH, CA 90813

CA LUST S104891049
CA ENF N/A
CA CERS

0.135 mi.
712 ft.

Site 4 of 5 in cluster N

Relative:
Lower
Actual:
11 ft.

LUST:

Name: WEST COAST CHOPPERS
Address: 718 ANAHEIM ST W
City,State,Zip: LONG BEACH, CA 90813
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603701939
Global Id: T0603701939
Latitude: 33.7826437
Longitude: -118.2009062
Status: Completed - Case Closed
Status Date: 07/30/2012
Case Worker: JH
RB Case Number: 908130252
Local Agency: LONG BEACH, CITY OF
File Location: Regional Board
Local Case Number: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Stoddard solvent / Mineral Sprits / Distillates
Site History: Not reported

LUST:

Global Id: T0603701939
Contact Type: Local Agency Caseworker
Contact Name: CARMEN PIRO
Organization Name: LONG BEACH, CITY OF
Address: 2525 GRAND AVE.
City: LONG BEACH
Email: carmen.piro@longbeach.gov
Phone Number: 5625704137

Global Id: T0603701939
Contact Type: Regional Board Caseworker

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WEST COAST CHOPPERS (Continued)

S104891049

Contact Name: JAY HUANG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 WEST 4TH STREET, SUITE 200
City: LOS ANGELES
Email: jhuang@waterboards.ca.gov
Phone Number: 2135766711

LUST:

Global Id: T0603701939
Action Type: ENFORCEMENT
Date: 07/30/2012
Action: Closure/No Further Action Letter

Global Id: T0603701939
Action Type: ENFORCEMENT
Date: 09/16/2008
Action: Notice to Comply

Global Id: T0603701939
Action Type: ENFORCEMENT
Date: 03/10/2009
Action: Staff Letter

Global Id: T0603701939
Action Type: ENFORCEMENT
Date: 06/15/2009
Action: Staff Letter

Global Id: T0603701939
Action Type: RESPONSE
Date: 01/15/2012
Action: Monitoring Report - Semi-Annually

Global Id: T0603701939
Action Type: ENFORCEMENT
Date: 06/24/2002
Action: Staff Letter

Global Id: T0603701939
Action Type: RESPONSE
Date: 04/15/2009
Action: Other Report / Document

Global Id: T0603701939
Action Type: ENFORCEMENT
Date: 07/18/2011
Action: Staff Letter

Global Id: T0603701939
Action Type: Other
Date: 03/28/1995
Action: Leak Discovery

Global Id: T0603701939
Action Type: ENFORCEMENT
Date: 12/21/2011
Action: Staff Letter

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WEST COAST CHOPPERS (Continued)

S104891049

Global Id: T0603701939
Action Type: RESPONSE
Date: 09/15/2011
Action: Soil and Water Investigation Workplan

Global Id: T0603701939
Action Type: REMEDIATION
Date: 12/21/2011
Action: Excavation

Global Id: T0603701939
Action Type: ENFORCEMENT
Date: 11/23/2011
Action: Staff Letter

Global Id: T0603701939
Action Type: ENFORCEMENT
Date: 07/30/2012
Action: Closure/No Further Action Letter

Global Id: T0603701939
Action Type: RESPONSE
Date: 01/15/2012
Action: Soil and Water Investigation Report

Global Id: T0603701939
Action Type: ENFORCEMENT
Date: 02/02/2001
Action: 13267 Requirement

Global Id: T0603701939
Action Type: Other
Date: 05/15/1995
Action: Leak Reported

LUST:

Global Id: T0603701939
Status: Open - Case Begin Date
Status Date: 03/28/1995

Global Id: T0603701939
Status: Open - Site Assessment
Status Date: 02/01/2001

Global Id: T0603701939
Status: Open - Site Assessment
Status Date: 07/18/2011

Global Id: T0603701939
Status: Open - Remediation
Status Date: 12/21/2011

Global Id: T0603701939
Status: Completed - Case Closed
Status Date: 07/30/2012

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WEST COAST CHOPPERS (Continued)

S104891049

LUST REG 4:

Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facility Id:	908130252	
Status:	Preliminary site assessment workplan submitted	
Substance:	Naphtha Distillate	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Groundwater	
Abatement Method Used at the Site:	Not reported	
Global ID:	T0603701939	
W Global ID:	Not reported	
Staff:	HDN	
Local Agency:	19060	
Cross Street:	OREGON	
Enforcement Type:	LET	
Date Leak Discovered:	3/28/1995	
Date Leak First Reported:		5/15/1995
Date Leak Record Entered:	8/28/1995	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		5/15/1995
Date the Case was Closed:		Not reported
How Leak Discovered:	Subsurface Monitoring	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	UNK	
Operator:	FORMER ELLIS PAINT CO	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		16165.193392999348015746985355
Source of Cleanup Funding:		UNK
Preliminary Site Assessment Workplan Submitted:	2/1/2001	
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		2/2/2001
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	GORDON	
RP Address:	1404 N. DAISY AVE.	
Program:	LUST	
Lat/Long:	33.7826437 / -1	
Local Agency Staff:	Not reported	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WEST COAST CHOPPERS (Continued)

S104891049

Assigned Name: Not reported
Summary: 3/6/97 - ADDITIONAL INFORMATION LETTER SENT; 5/13/97- 1ST LEVEL
ENFORCEMENT LETTER SENT; 8/8/97 - 2ND LEVEL ENFORCEMENT LETTER SENT

ENF:

Name: DOUGLAS ROBINSON PROPERTY
Address: 718 ANAHEIM ST W
City,State,Zip: LONG BEACH, CA 90813
Region: 4
Facility Id: 220621
Agency Name: Robinson, Douglas
Place Type: Facility
Place Subtype: Not reported
Facility Type: Not reported
Agency Type: Privately-Owned Business
Of Agencies: 1
Place Latitude: 33.782606
Place Longitude: -118.183572
SIC Code 1: Not reported
SIC Desc 1: Not reported
SIC Code 2: Not reported
SIC Desc 2: Not reported
SIC Code 3: Not reported
SIC Desc 3: Not reported
NAICS Code 1: Not reported
NAICS Desc 1: Not reported
NAICS Code 2: Not reported
NAICS Desc 2: Not reported
NAICS Code 3: Not reported
NAICS Desc 3: Not reported
Of Places: 1
Source Of Facility: Reg Meas
Design Flow: Not reported
Threat To Water Quality: Not reported
Complexity: Not reported
Pretreatment: Not reported
Facility Waste Type: Not reported
Facility Waste Type 2: Not reported
Facility Waste Type 3: Not reported
Facility Waste Type 4: Not reported
Program: UST
Program Category1: TANKS
Program Category2: TANKS
Of Programs: 1
WDID: 908130252
Reg Measure Id: 168132
Reg Measure Type: Unregulated
Region: 4
Order #: Not reported
Npdes# CA#: Not reported
Major-Minor: Not reported
Npdes Type: Not reported
Reclamation: Not reported
Dredge Fill Fee: Not reported
301H: Not reported
Application Fee Amt Received: Not reported
Status: Never Active

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WEST COAST CHOPPERS (Continued)

S104891049

Status Date: 02/20/2013
Effective Date: Not reported
Expiration/Review Date: Not reported
Termination Date: Not reported
WDR Review - Amend: Not reported
WDR Review - Revise/Renew: Not reported
WDR Review - Rescind: Not reported
WDR Review - No Action Required: Not reported
WDR Review - Pending: Not reported
WDR Review - Planned: Not reported
Status Enrollee: N
Individual/General: I
Fee Code: Not reported
Direction/Voice: Passive
Enforcement Id(EID): 230516
Region: 4
Order / Resolution Number: NOV
Enforcement Action Type: Notice of Violation
Effective Date: 08/25/2000
Adoption/Issuance Date: Not reported
Achieve Date: Not reported
Termination Date: 08/25/2000
ACL Issuance Date: Not reported
EPL Issuance Date: Not reported
Status: Historical
Title: Enforcement - 908130252
Description: Notice of violation sent 8/25/00 for FTS soil investigation report.
Program: UST
Latest Milestone Completion Date: Not reported
Of Programs1: 1
Total Assessment Amount: 0
Initial Assessed Amount: 0
Liability \$ Amount: 0
Project \$ Amount: 0
Liability \$ Paid: 0
Project \$ Completed: 0
Total \$ Paid/Completed Amount: 0

CERS:

Name: WEST COAST CHOPPERS
Address: 718 ANAHEIM ST W
City,State,Zip: LONG BEACH, CA 90813
Site ID: 192198
CERS ID: T0603701939
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc: Regional Board Caseworker
Entity Name: JAY HUANG - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: 320 WEST 4TH STREET, SUITE 200
Affiliation City: LOS ANGELES
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 2135766711

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WEST COAST CHOPPERS (Continued)

S104891049

Affiliation Type Desc: Local Agency Caseworker
Entity Name: CARMEN PIRO - LONG BEACH, CITY OF
Entity Title: Not reported
Affiliation Address: 2525 GRAND AVE.
Affiliation City: LONG BEACH
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 5625704137

M69
NNE
1/8-1/4
0.135 mi.
714 ft.

WARD BARKER INC
707 W 16TH ST
LONG BEACH, CA 90813

RCRA-SQG 1000182681
PADS CAD981571177

Site 2 of 5 in cluster M

Relative:
Higher
Actual:
15 ft.

RCRA-SQG:
Date form received by agency: 1986-09-25 00:00:00.0
Facility name: WARD BARKER
Facility address: 707 W 16TH ST
LONG BEACH, CA 90813
EPA ID: CAD981571177
Mailing address: W SIXTEEN ST
LONG BEACH, CA 90813
Contact: ENVIRONMENTAL MANAGER
Contact address: 707 W SIXTEEN ST
LONG BEACH, CA 90813
Contact country: US
Contact telephone: 213-432-7266
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: WARD CHARLES
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WARD BARKER INC (Continued)

1000182681

Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: Yes
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

PADS:

Name: WARD BARKER INC
Address: 707 W 16TH ST
Address 2: Not reported
City,State,Zip: LONG BEACH, CA 90813
EDR ID: 1000182681
EPAID: CAD981571177
Region: 9
Generator: N
Storer: N
Disposer: N
Transporter: Y
Smelter: N
Research Facility: N
Mailing Address: 707 W 16TH ST
Mailing Address 2: Not reported
Mailing City: LONG BEACH
Mailing State: CA
Mailing Zip: 90813
Mailing Country: US
Owner Name: CHARLES M WARD JR
Certification Date: 04/27/1990
Contact Name: BERNIE A DEKAY
Contact Title: Not reported
Contact Telephone: 213-432-7266
Contact Text: Not reported
Contact Email: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

M70 **R G STEPHENS ENGINEERING & EQUIP**
NNE **0707 W 16TH ST**
1/8-1/4 **LONG BEACH, CA**
0.135 mi.
714 ft. **Site 3 of 5 in cluster M**

CA UST **U003659997**
N/A

Relative: LONG BEACH UST:
Higher

Actual: DATA AS OF 02/25/2014:
15 ft. Name: R G STEPHENS ENGINEERING & EQUIP
Address: 0707 W 16TH ST
City,State,Zip: LONG BEACH, CA
Region: LONG BEACH
Tanks: 0T
Tank Test: Not reported
Leak Test: Not reported
Tank Status: Not reported

M71 **CHUCKS ELECTRONIC**
NNE **707 W 16TH ST**
1/8-1/4 **LONG BEACH, CA 90805**
0.135 mi.
714 ft. **Site 4 of 5 in cluster M**

CA SWEEPS UST **S101584840**
CA FID UST **N/A**

Relative: SWEEPS UST:
Higher

Actual: Name: CHUCKS ELECTRONIC
15 ft. Address: 707 W 16TH ST
City: LONG BEACH
Status: Not reported
Comp Number: 1004
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-060-001004-000001
Tank Status: Not reported
Capacity: 1000
Active Date: Not reported
Tank Use: EMPTY
STG: PRODUCT
Content: Not reported
Number Of Tanks: 1

CA FID UST:

Facility ID: 19016192
Regulated By: UTKNI
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 2134327266
Mail To: Not reported
Mailing Address: 707 W 16TH ST
Mailing Address 2: Not reported
Mailing City,St,Zip: LONG BEACH 90805
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHUCKS ELECTRONIC (Continued)

S101584840

EPA ID: Not reported
Comments: Not reported
Status: Inactive

M72
NNE
1/8-1/4
0.135 mi.
714 ft.

WARD-DEKAY TRANSPORTATION SVCS
707 W 16TH ST
LONG BEACH, CA 90813

RCRA NonGen / NLR

1000184274
CAD982491698

Site 5 of 5 in cluster M

Relative:
Higher

RCRA NonGen / NLR:

Actual:
15 ft.

Date form received by agency: 1990-06-13 00:00:00.0
Facility name: WARD-DEKAY TRANSPORTATION SVCS
Facility address: 707 W 16TH ST
LONG BEACH, CA 90813
EPA ID: CAD982491698
Contact: ENVIRONMENTAL MANAGER
Contact address: 707 W SIXTEEN ST
LONG BEACH, CA 90813
Contact country: US
Contact telephone: 213-432-7266
Contact email: Not reported
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: CHARLES M WARD JR
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WARD-DEKAY TRANSPORTATION SVCS (Continued)

1000184274

Transporter of hazardous waste: Yes
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

K73
ENE
1/8-1/4
0.139 mi.
735 ft.

DOUGLAS BROS PRODUCE CO
0648 W COWLES ST
LONG BEACH, CA

CA UST **U003660592**
N/A

Site 5 of 10 in cluster K

Relative:
Higher
Actual:
15 ft.

LONG BEACH UST:

DATA AS OF 02/25/2014:

Name: DOUGLAS BROS PRODUCE CO
Address: 0648 W COWLES ST
City,State,Zip: LONG BEACH, CA
Region: LONG BEACH
Tanks: 0T
Tank Test: Not reported
Leak Test: Not reported
Tank Status: Not reported

K74
ENE
1/8-1/4
0.139 mi.
735 ft.

AMC DIESEL TRUCK REPAIR
648 W COWLES ST
LONG BEACH, CA 90813

RCRA NonGen / NLR **1024835465**
CAL000377573

Site 6 of 10 in cluster K

Relative:
Higher
Actual:
15 ft.

RCRA NonGen / NLR:

Date form received by agency: 2012-08-23 00:00:00.0

Facility name: AMC DIESEL TRUCK REPAIR
Facility address: 648 W COWLES ST
LONG BEACH, CA 90813

EPA ID: CAL000377573
Contact: CESAR ALVAREZ
Contact address: 648 W COWLES ST
LONG BEACH, CA 90813

Contact country: Not reported
Contact telephone: 562-881-4449
Contact email: AMCDIESEL@GMAIL.COM

EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: AMC DIESEL TRUCK REPAIR INC

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AMC DIESEL TRUCK REPAIR (Continued)

1024835465

Owner/operator address: 648 W COWLES ST
LONG BEACH, CA 90813
Owner/operator country: Not reported
Owner/operator telephone: 562-881-4449
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: CESAR ALVAREZ
Owner/operator address: 648 W COWLES ST
LONG BEACH, CA 90813
Owner/operator country: Not reported
Owner/operator telephone: 562-881-4449
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: Yes
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

K75
ENE
1/8-1/4
0.139 mi.
735 ft.

DOUGLAS PRODUCE
648 COWLES ST
LONG BEACH, CA 90813

Site 7 of 10 in cluster K

CA Cortese
CA HAZNET
CA CERS
CA HWTS

S112897068
N/A

Relative:
Higher

Actual:
15 ft.

CORTESE:
Name: DOUGLAS PRODUCE
Address: 648 COWLES ST
City,State,Zip: LONG BEACH, CA 90813
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0603701946
Site/Facility Type: LUST CLEANUP SITE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOUGLAS PRODUCE (Continued)

S112897068

Cleanup Status:	OPEN - SITE ASSESSMENT
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

HAZNET:

Name:	DOUGLAS PRODUCE
Address:	648 COWLES ST
Address 2:	Not reported
City,State,Zip:	LONG BEACH, CA 908130000
Contact:	NICK DOUGLAS-PRES
Telephone:	5624362213
Mailing Name:	Not reported
Mailing Address:	648 COWLES ST
Year:	1998
Gepaid:	CAC002102192
TSD EPA ID:	CAD028409019
CA Waste Code:	133 - Aqueous solution with total organic residues 10 percent or more
Disposal Method:	T01 - Treatment, Tank
Tons:	0.1042

Additional Info:

Year:	1998
Gen EPA ID:	CAC002102192
Shipment Date:	19980918
Creation Date:	11/2/1998 0:00:00
Receipt Date:	19980918
Manifest ID:	98113559
Trans EPA ID:	CAD982030173
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSD EPA ID:	CAD028409019
Trans Name:	Not reported
TSD EPA ID:	Not reported
TSD EPA Name:	Not reported
CA Waste Code:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	D001
Disposal Method:	T01 - Treatment, Tank
Quantity Tons:	0.1042

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOUGLAS PRODUCE (Continued)

S112897068

Waste Quantity: 25
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

CERS:

Name: DOUGLAS PRODUCE
Address: 648 COWLES ST
City,State,Zip: LONG BEACH, CA 90813
Site ID: 188752
CERS ID: T0603701946
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc: Local Agency Caseworker
Entity Name: CARMEN PIRO - LONG BEACH, CITY OF
Entity Title: Not reported
Affiliation Address: 2525 GRAND AVE.
Affiliation City: LONG BEACH
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 5625704137

Affiliation Type Desc: Regional Board Caseworker
Entity Name: JAMES RYAN - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: West 4th Street, Suite 200
Affiliation City: LOS ANGELES
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 2135766711

HWTS:

Name: DOUGLAS PRODUCE
Address: 648 COWLES ST
Address 2: Not reported
City,State,Zip: LONG BEACH, CA 908130000
EPA ID: CAC002102192
Inactive Date: 10/25/2000
Create Date: 09/16/1998
Last Act Date: 10/25/2000
Mailing Name: Not reported
Mailing Address: 648 COWLES ST
Mailing Address 2: Not reported
Mailing City,State,Zip: LONG BEACH, CA 908130000
Owner Name: DOUGLAS PRODUCE
Owner Address: 648 COWLES ST
Owner Address 2: Not reported
Owner City,State,Zip: LONG BEACH, CA 908130000
Contact Name: NICK DOUGLAS-PRES
Contact Address: 648 COWLES ST

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOUGLAS PRODUCE (Continued)

S112897068

Contact Address 2: Not reported
City,State,Zip: LONG BEACH, CA 908130000

K76
ENE
1/8-1/4
0.139 mi.
735 ft.

AMC DIESEL TRUCK REPAIR
648 W COWLES ST
LONG BEACH, CA 90813

CA CERS HAZ WASTE
CA CERS

S113148005
N/A

Site 8 of 10 in cluster K

Relative:
Higher

CERS HAZ WASTE:

Actual:
15 ft.

Name: AMC DIESEL TRUCK REPAIR
Address: 648 W COWLES ST
City,State,Zip: LONG BEACH, CA 90813
Site ID: 431963
CERS ID: 10637530
CERS Description: Hazardous Waste Generator

CERS:

Name: AMC DIESEL TRUCK REPAIR
Address: 648 W COWLES ST
City,State,Zip: LONG BEACH, CA 90813
Site ID: 431963
CERS ID: 10637530
CERS Description: Chemical Storage Facilities

Violations:

Site ID: 431963
Site Name: AMC DIESEL TRUCK REPAIR
Violation Date: 05-06-2019
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)

Violation Description: Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.

Violation Notes: Returned to compliance on 07/30/2019. OBSERVATION: The business failed to include provisions in the business plan to ensure that appropriate personnel receive initial, annual, and/or revised training. CORRECTIVE ACTION: Submit documentation to the CUPA demonstrating appropriate personnel have received initial, annual, and/or revised training.

Violation Division: Long Beach Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Evaluation:

Eval General Type: Other/Unknown
Eval Date: 03-06-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: This facility has submitted all three elements of a Hazardous Materials Business Plan on CERS and has been under review since 1/26/18. Final CERS approval will be provided by the LBFD.

Eval Division: Long Beach Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Other/Unknown

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AMC DIESEL TRUCK REPAIR (Continued)

S113148005

Eval Date: 07-18-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: On site to conduct a follow up HMBP inspection. I met with the facility contact Daniel Alvarez. The employee Training record was not available for review at the facility, however Mr. Alvarez stated the training was completed. Ensure to keep a copy of the training record available for review. Please forward a copy of the record to me at Brian.Erdman@LongBeach.gov. Also noted, the facility has sold to 1000 gallon tank designated to store the diesel. Ensure to update the HMBP with regards to the Hazardous Materials Inventory. The site is below the APST program minimum value of more than 1320 gallons of petroleum. An SPCC plan is no longer required to be completed. Thank you

Eval Division: Long Beach Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 07-29-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: This is an in-office inspection report to document the submittal of the Hazardous Materials Business Plan Employee Training Record. The Facility provided HMBP training to the staff on 6-3-19. Violation 31C772 is corrected. Thank you

Eval Division: Long Beach Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-06-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Long Beach Fire Department Hazardous Materials Specialist, Brian Erdman was on site to conduct a Hazardous Materials Business Plan inspection. The purpose of the HMBP is to assist the LBFD during an emergency response to this facility. Daniel Alvarez provided consent to conduct an inspection and tour of the facility. Any facility that stores Hazardous Materials at or above a reportable volume is required to complete an electronic HMBEP to the California Environmental Response System (CERS) at <https://cers.calepa.ca.gov/>. The reportable volume for Hazardous Wastes / Materials or mixture is equal to or greater than 55 gallons of a liquid, 500 pounds of solid, or 200 cubic feet of a gas. The facility has the following Hazardous Materials being stored at a reportable volume: - Motor Oil - Used Oil - Waste Antifreeze - Oxygen - Diesel Fuel - Used Oil filters The Hazardous Materials Business Plan in CERS was reviewed and noted that the disclosure was [Truncated]

Eval Division: Long Beach Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 10-09-2013
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: No violations at time of routine inspection.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AMC DIESEL TRUCK REPAIR (Continued)

S113148005

Eval Division: Long Beach Environmental Heath
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-11-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Routine inspection with a CERS violation of a diesel truck repair shop.

Eval Division: Long Beach Environmental Heath
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-18-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Routine inspection with no violations of a diesel engine repair facility.

Eval Division: Long Beach Environmental Heath
Eval Program: HW
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 07-21-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Long Beach Environmental Heath
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-16-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Long Beach Environmental Heath
Eval Program: HMRRP
Eval Source: CERS

Coordinates:
Site ID: 431963
Facility Name: AMC DIESEL TRUCK REPAIR
Env Int Type Code: HMBP
Program ID: 10637530
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 33.784820
Longitude: -118.200170

Affiliation:
Affiliation Type Desc: Legal Owner
Entity Name: Amc Diesel Truck Repair inc.
Entity Title: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AMC DIESEL TRUCK REPAIR (Continued)

S113148005

Affiliation Address: 648 W. Cowles st.
Affiliation City: Long beach
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 90631
Affiliation Phone: (562) 436-8200

Affiliation Type Desc: Document Preparer
Entity Name: Daniel Alvarez
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Environmental Contact
Entity Name: Daniel Alvarez
Entity Title: Not reported
Affiliation Address: 648 W Cowles St
Affiliation City: Long Beach
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90813
Affiliation Phone: Not reported

Affiliation Type Desc: Identification Signer
Entity Name: Daniel alvarez
Entity Title: Safety
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Parent Corporation
Entity Name: AMC DIESEL TRUCK REPAIR
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: CUPA District
Entity Name: Long Beach Environmental Heath
Entity Title: Not reported
Affiliation Address: 2525 Grand Avenue
Affiliation City: Long Beach
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90815
Affiliation Phone: (562) 570-4131

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AMC DIESEL TRUCK REPAIR (Continued)

S113148005

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	648 W. Cowles St.
Affiliation City:	Long Beach
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90813
Affiliation Phone:	Not reported
Affiliation Type Desc:	Operator
Entity Name:	AMC DIESEL TRUCK REPAIR
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(562) 436-8200

K77
ENE
1/8-1/4
0.139 mi.
735 ft.

648 W COWLES ST
LONG BEACH, CA 90813

Site 9 of 10 in cluster K

RCRA NonGen / NLR 1025867567
CAL000320723

Relative:
Higher

Actual:
15 ft.

RCRA NonGen / NLR:
Date form received by agency: 2007-06-14 00:00:00.0
Facility name: Not reported
Facility address: 648 W COWLES ST
LONG BEACH, CA 90813
EPA ID: CAL000320723
Mailing address: PO BOX 15067
LONG BEACH, CA 90815
Contact: GRAHAM GILL
Contact address: PO BOX 15067
LONG BEACH, CA 90815
Contact country: Not reported
Contact telephone: 562-884-2813
Contact email: GRAHAMGILL@LEELALB.COM
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	LB WESTSIDE MARKET PLACE LLC
Owner/operator address:	648 W COWLES ST LONG BEACH, CA 90813
Owner/operator country:	Not reported
Owner/operator telephone:	562-354-2500
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Other
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

1025867567

Owner/Op end date: Not reported

Owner/operator name: GRAHAM GILL
Owner/operator address: PO BOX 15067
LONG BEACH, CA 90815

Owner/operator country: Not reported
Owner/operator telephone: 562-884-2813
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: Yes
Transporter of hazardous waste: Yes
Treater, storer or disposer of HW: Yes
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

K78
ENE
1/8-1/4
0.139 mi.
735 ft.

DOUGLAS PRODUCE
648 COWLES ST
LONG BEACH, CA 90813

CA LUST S101296709
CA HIST CORTESE N/A

Site 10 of 10 in cluster K

Relative:
Higher

Actual:
15 ft.

LUST:

Name: DOUGLAS PRODUCE
Address: 648 COWLES ST
City,State,Zip: LONG BEACH, CA 90813
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603701946
Global Id: T0603701946
Latitude: 33.7848544484889
Longitude: -118.200466632843
Status: Open - Site Assessment
Status Date: 06/04/2007
Case Worker: JR
RB Case Number: 908130325
Local Agency: LONG BEACH, CITY OF
File Location: Regional Board
Local Case Number: Not reported
Potential Media Affect: Aquifer used for drinking water supply

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOUGLAS PRODUCE (Continued)

S101296709

Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:

Global Id: T0603701946
Contact Type: Local Agency Caseworker
Contact Name: CARMEN PIRO
Organization Name: LONG BEACH, CITY OF
Address: 2525 GRAND AVE.
City: LONG BEACH
Email: carmen.piro@longbeach.gov
Phone Number: 5625704137

Global Id: T0603701946
Contact Type: Regional Board Caseworker
Contact Name: JAMES RYAN
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: West 4th Street, Suite 200
City: LOS ANGELES
Email: jamesw.ryan@waterboards.ca.gov
Phone Number: 2135766711

LUST:

Global Id: T0603701946
Action Type: ENFORCEMENT
Date: 12/17/2012
Action: Health and Safety Code Section 25296.10(c)

Global Id: T0603701946
Action Type: RESPONSE
Date: 01/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603701946
Action Type: RESPONSE
Date: 07/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603701946
Action Type: RESPONSE
Date: 04/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603701946
Action Type: RESPONSE
Date: 02/01/2013
Action: Monitoring Report - Semi-Annually

Global Id: T0603701946
Action Type: ENFORCEMENT
Date: 10/21/2008
Action: Staff Letter

Global Id: T0603701946
Action Type: ENFORCEMENT
Date: 02/18/2009
Action: Staff Letter

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOUGLAS PRODUCE (Continued)

S101296709

Global Id:	T0603701946
Action Type:	ENFORCEMENT
Date:	11/08/2017
Action:	Staff Letter
Global Id:	T0603701946
Action Type:	RESPONSE
Date:	01/15/2009
Action:	Monitoring Report - Quarterly
Global Id:	T0603701946
Action Type:	RESPONSE
Date:	10/15/2007
Action:	Monitoring Report - Quarterly
Global Id:	T0603701946
Action Type:	RESPONSE
Date:	06/04/2007
Action:	Soil and Water Investigation Workplan
Global Id:	T0603701946
Action Type:	RESPONSE
Date:	11/15/2007
Action:	Soil and Water Investigation Report
Global Id:	T0603701946
Action Type:	RESPONSE
Date:	04/15/2008
Action:	Monitoring Report - Quarterly
Global Id:	T0603701946
Action Type:	RESPONSE
Date:	07/15/2013
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603701946
Action Type:	ENFORCEMENT
Date:	08/10/2000
Action:	Staff Letter
Global Id:	T0603701946
Action Type:	ENFORCEMENT
Date:	06/15/2009
Action:	Staff Letter
Global Id:	T0603701946
Action Type:	ENFORCEMENT
Date:	01/11/2018
Action:	Staff Letter
Global Id:	T0603701946
Action Type:	ENFORCEMENT
Date:	07/06/2018
Action:	Staff Letter
Global Id:	T0603701946
Action Type:	RESPONSE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOUGLAS PRODUCE (Continued)

S101296709

Date:	10/15/2008
Action:	Monitoring Report - Quarterly
Global Id:	T0603701946
Action Type:	RESPONSE
Date:	01/15/2010
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603701946
Action Type:	RESPONSE
Date:	07/15/2008
Action:	Monitoring Report - Quarterly
Global Id:	T0603701946
Action Type:	RESPONSE
Date:	10/15/2013
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603701946
Action Type:	ENFORCEMENT
Date:	06/24/2002
Action:	Staff Letter
Global Id:	T0603701946
Action Type:	RESPONSE
Date:	05/15/2009
Action:	Soil and Water Investigation Report
Global Id:	T0603701946
Action Type:	RESPONSE
Date:	02/05/2009
Action:	Soil and Water Investigation Workplan
Global Id:	T0603701946
Action Type:	RESPONSE
Date:	04/15/2009
Action:	Monitoring Report - Quarterly
Global Id:	T0603701946
Action Type:	RESPONSE
Date:	01/15/2015
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603701946
Action Type:	RESPONSE
Date:	07/15/2009
Action:	Monitoring Report - Quarterly
Global Id:	T0603701946
Action Type:	RESPONSE
Date:	04/15/2014
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603701946
Action Type:	Other
Date:	02/13/1987
Action:	Leak Discovery

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOUGLAS PRODUCE (Continued)

S101296709

Global Id:	T0603701946
Action Type:	ENFORCEMENT
Date:	01/11/2006
Action:	Staff Letter
Global Id:	T0603701946
Action Type:	RESPONSE
Date:	07/15/2015
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603701946
Action Type:	RESPONSE
Date:	01/15/2016
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603701946
Action Type:	RESPONSE
Date:	01/15/2019
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603701946
Action Type:	RESPONSE
Date:	07/15/2018
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603701946
Action Type:	RESPONSE
Date:	01/15/2018
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603701946
Action Type:	RESPONSE
Date:	07/15/2018
Action:	Well Installation Report
Global Id:	T0603701946
Action Type:	RESPONSE
Date:	01/15/2017
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603701946
Action Type:	ENFORCEMENT
Date:	10/11/2007
Action:	Staff Letter
Global Id:	T0603701946
Action Type:	RESPONSE
Date:	10/15/1998
Action:	Soil and Water Investigation Report
Global Id:	T0603701946
Action Type:	RESPONSE
Date:	07/15/2017
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603701946
Action Type:	RESPONSE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOUGLAS PRODUCE (Continued)

S101296709

Date:	07/15/2019
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603701946
Action Type:	RESPONSE
Date:	07/15/2016
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603701946
Action Type:	RESPONSE
Date:	02/15/2018
Action:	Soil and Water Investigation Workplan - Regulator Responded
Global Id:	T0603701946
Action Type:	REMEDIATION
Date:	10/01/2007
Action:	Free Product Removal
Global Id:	T0603701946
Action Type:	ENFORCEMENT
Date:	07/24/2007
Action:	Staff Letter
Global Id:	T0603701946
Action Type:	ENFORCEMENT
Date:	03/12/2018
Action:	Staff Letter
Global Id:	T0603701946
Action Type:	Other
Date:	02/13/1987
Action:	Leak Reported
Global Id:	T0603701946
Action Type:	RESPONSE
Date:	04/15/2006
Action:	Monitoring Report - Quarterly
Global Id:	T0603701946
Action Type:	RESPONSE
Date:	01/15/2007
Action:	Monitoring Report - Quarterly
Global Id:	T0603701946
Action Type:	RESPONSE
Date:	11/15/2007
Action:	Soil and Water Investigation Report
Global Id:	T0603701946
Action Type:	RESPONSE
Date:	10/15/2006
Action:	Monitoring Report - Quarterly
LUST:	
Global Id:	T0603701946
Status:	Open - Case Begin Date
Status Date:	02/13/1987

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOUGLAS PRODUCE (Continued)

S101296709

Global Id: T0603701946
Status: Open - Site Assessment
Status Date: 07/02/1997

Global Id: T0603701946
Status: Open - Site Assessment
Status Date: 03/30/1998

Global Id: T0603701946
Status: Open - Site Assessment
Status Date: 06/04/2007

LUST REG 4:

Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 908130325
Status: Pollution Characterization
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater
Abatement Method Used at the Site: Not reported
Global ID: T0603701946
W Global ID: Not reported
Staff: HDN
Local Agency: 19060
Cross Street: ATLANTIC
Enforcement Type: LET
Date Leak Discovered: 2/13/1987
Date Leak First Reported: 2/13/1987
Date Leak Record Entered: 6/16/1988
Date Confirmation Began: Not reported
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 5/4/1999
Date the Case was Closed: Not reported
How Leak Discovered: Not reported
How Leak Stopped: Not reported
Cause of Leak: Not reported
Leak Source: Not reported
Operator: Not reported
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 15430.674663992219313198152981
Source of Cleanup Funding: Not reported
Preliminary Site Assessment Workplan Submitted: 7/2/1997
Preliminary Site Assessment Began: 5/8/1998
Pollution Characterization Began: 8/10/2000
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: 2/13/1987
Enforcement Action Date: 8/10/2000
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: 39
Significant Interim Remedial Action Taken: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOUGLAS PRODUCE (Continued)

S101296709

GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: PETE DOUGLAS
RP Address: 648 COWLES ST,
Program: LUST
Lat/Long: 33.7847417 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: 12/23/97- UST CLOSURE REPORT (FREE PRODUCT SITE) 01/30/98-
ENVIRON. SITE ASSESSMENT & GW WELL INSTALL. WP 02/13/98- REVISED
SITE ASSESSMENT & GW WELL INSTALL. WP 05/06/98- ENVIRON. SITE
ASSESSMENT & GW WELL

HIST CORTESE:
edr_fname: DOUGLAS PRODUCE
edr_fadd1: 648 COWLES
City,State,Zip: LONG BEACH, CA 90813
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 908130325

P79
ENE
1/8-1/4
0.142 mi.
752 ft.

DYNATRON ELECTRIC CO. INC.
1492 OREGON AVE
LONG BEACH, CA

CA UST **U003661149**
N/A

Site 1 of 7 in cluster P

Relative:
Higher
Actual:
13 ft.

LONG BEACH UST:
DATA AS OF 02/25/2014:
Name: DYNATRON ELECTRIC CO. INC.
Address: 1492 OREGON AVE
City,State,Zip: LONG BEACH, CA
Region: LONG BEACH
Tanks: 0T
Tank Test: Not reported
Leak Test: Not reported
Tank Status: Not reported

P80
NE
1/8-1/4
0.144 mi.
758 ft.

BOLA CHEMICALS
1524 OREGON AVE
LONG BEACH, CA 90813

RCRA-SQG **1000141830**
FINDS **CAD982023061**
ECHO

Site 2 of 7 in cluster P

Relative:
Higher
Actual:
13 ft.

RCRA-SQG:
Date form received by agency: 1987-08-11 00:00:00.0
Facility name: BOLA CHEMICALS
Facility address: 1524 OREGON AVE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BOLA CHEMICALS (Continued)

1000141830

LONG BEACH, CA 90813
EPA ID: CAD982023061
Mailing address: OREGON AVE
LONG BEACH, CA 90813
Contact: ENVIRONMENTAL MANAGER
Contact address: 1524 OREGON AVE
LONG BEACH, CA 90813
Contact country: US
Contact telephone: 213-491-5774
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: BOLA CHEMICALS
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BOLA CHEMICALS (Continued)

1000141830

User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002779510
Facility URL: http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110002779510

Environmental Interest/Information System:

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1000141830
Registry ID: 110002779510
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110002779510>
Name: BOLA CHEMICALS
Address: 1524 OREGON AVE
City,State,Zip: LONG BEACH, CA 90813

J81
North
1/8-1/4
0.148 mi.
783 ft.

CITY OF LONG BEACH STREET MAINTENANCE
1651 SAN FRANCISCO AVE
LONG BEACH, CA 90813
Site 6 of 7 in cluster J

RCRA NonGen / NLR 1024861990
CAL000430497

Relative:
Higher

RCRA NonGen / NLR:

Actual:
18 ft.

Date form received by agency: 2017-09-05 00:00:00.0
Facility name: CITY OF LONG BEACH STREET MAINTENANCE
Facility address: 1651 SAN FRANCISCO AVE
LONG BEACH, CA 90813
EPA ID: CAL000430497
Contact: ARTHUR COX MANAGER
Contact address: 1651 SAN FRANCISCO AVE
LONG BEACH, CA 90813
Contact country: Not reported
Contact telephone: 562-570-2780
Contact email: ARTHUR.COX@LONGBEACH.GOV
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: ARTHUR COX MANAGER
Owner/operator address: 1651 SAN FRANCISCO AVE
LONG BEACH, CA 90813
Owner/operator country: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CITY OF LONG BEACH STREET MAINTENANCE (Continued)

1024861990

Owner/operator telephone: 562-570-2780
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: CITY OF LONG BEACH
Owner/operator address: 333 W OCEAN
LONG BEACH, CA 90802

Owner/operator country: Not reported
Owner/operator telephone: 562-570-2780
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: Yes
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

J82
North
1/8-1/4
0.148 mi.
783 ft.

LONG BEACH PUBLIC SERVICE MAINTENANCE YARD
1651 SAN FRANCISCO AVE
LONG BEACH, CA 90813

CA CERS HAZ WASTE
CA CERS
S118223828
N/A

Site 7 of 7 in cluster J

Relative:
Higher
Actual:
18 ft.

CERS HAZ WASTE:
Name: LONG BEACH PUBLIC SERVICE MAINTENANCE YARD
Address: 1651 SAN FRANCISCO AVE
City,State,Zip: LONG BEACH, CA 90813
Site ID: 355003
CERS ID: 10636981
CERS Description: Hazardous Waste Generator

CERS:
Name: LONG BEACH PUBLIC SERVICE MAINTENANCE YARD
Address: 1651 SAN FRANCISCO AVE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LONG BEACH PUBLIC SERVICE MAINTENANCE YARD (Continued)

S118223828

City,State,Zip: LONG BEACH, CA 90813
Site ID: 355003
CERS ID: 10636981
CERS Description: Chemical Storage Facilities

Violations:

Site ID: 355003
Site Name: Long Beach Public Service Maintenance Yard
Violation Date: 05-28-2015
Citation: HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description: Failure to annually review and electronically certify that the business plan is complete, accurate, and up-to-date.
Violation Notes: Returned to compliance on 07/28/2015.
Violation Division: Long Beach Environmental Heath
Violation Program: HMRRP
Violation Source: CERS

Evaluation:

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-19-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Routine inspection with no violations of a City street maintenance yard.
Eval Division: Long Beach Environmental Heath
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-10-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Routine inspection with no violations of a CLB street maintenance yard.
Eval Division: Long Beach Environmental Heath
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-28-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Long Beach Environmental Heath
Eval Program: HMRRP
Eval Source: CERS

Coordinates:

Site ID: 355003
Facility Name: Long Beach Public Service Maintenance Yard
Env Int Type Code: HWG
Program ID: 10636981
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 33.788120
Longitude: -118.203220

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LONG BEACH PUBLIC SERVICE MAINTENANCE YARD (Continued)

S118223828

Affiliation:

Affiliation Type Desc: Document Preparer
Entity Name: Brian Harmon
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Environmental Contact
Entity Name: Art Cox
Entity Title: Not reported
Affiliation Address: 1651 San Francisco Ave
Affiliation City: Long Beach
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90813
Affiliation Phone: Not reported

Affiliation Type Desc: Operator
Entity Name: Long Beach Public Works
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (562) 570-2726

Affiliation Type Desc: CUPA District
Entity Name: Long Beach Environmental Heath
Entity Title: Not reported
Affiliation Address: 2525 Grand Avenue
Affiliation City: Long Beach
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90815
Affiliation Phone: (562) 570-4131

Affiliation Type Desc: Legal Owner
Entity Name: City of Long Beach
Entity Title: Not reported
Affiliation Address: 333 West Ocean Avenue
Affiliation City: Long Beach
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 90802
Affiliation Phone: (562) 570-5000

Affiliation Type Desc: Parent Corporation
Entity Name: CITY OF LONG BEACH FLEET SERVICES
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LONG BEACH PUBLIC SERVICE MAINTENANCE YARD (Continued)

S118223828

Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 1651 San Francisco Ave
Affiliation City: Long Beach
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90813
Affiliation Phone: Not reported

Affiliation Type Desc: Identification Signer
Entity Name: Brian Harmon
Entity Title: Agent for COLB
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Q83
SE
1/8-1/4
0.155 mi.
817 ft.

ELLIS PAINT CO
1200 OREGON AVE
LONG BEACH, CA 90813

Site 1 of 4 in cluster Q

RCRA-SQG
CA CERS HAZ WASTE
FINDS
ECHO
CA HAZNET
CA HWTS

1000455513
CAD982495038

Relative:
Higher
Actual:
13 ft.

RCRA-SQG:
Date form received by agency: 1990-07-16 00:00:00.0
Facility name: ELLIS PAINT CO
Facility address: 1200 OREGON AVE
LONG BEACH, CA 90813
EPA ID: CAD982495038
Mailing address: OREGON AVE
LONG BEACH, CA 90813
Contact: ENVIRONMENTAL MANAGER
Contact address: 1200 OREGON AVE
LONG BEACH, CA 90813
Contact country: US
Contact telephone: 213-486-8225
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: ROBERT O BERG
Owner/operator address: NOT REQUIRED

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ELLIS PAINT CO (Continued)

1000455513

NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999

Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

CERS HAZ WASTE:

Name: SPOT LIGHTING SUPPLIES
Address: 1200 OREGON AVE
City,State,Zip: LONG BEACH, CA 90813
Site ID: 369214
CERS ID: 10669762
CERS Description: Hazardous Waste Generator

Violations:

Site ID: 369214
Site Name: Spot Lighting Supplies
Violation Date: 04-19-2018
Citation: HSC 6.11 25404(e)(4) - California Health and Safety Code, Chapter 6.11, Section(s) 25404(e)(4)
Violation Description: Failure to report program data electronically.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ELLIS PAINT CO (Continued)

1000455513

Violation Notes: Returned to compliance on 06/01/2018. This facility must complete all three elements of a Hazardous Materials Business Plan on CERS. Call Inspector Erdman at 562-570-2581 for help if needed. A HMBP must be approved on CERS to correct this violation.

Violation Division: Long Beach Environmental Health
Violation Program: HW
Violation Source: CERS

Site ID: 369214
Site Name: Spot Lighting Supplies
Violation Date: 04-20-2016
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description: Haz Waste Generator Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 07/21/2016. No CUPA permit paid for or posted. Pay CUPA permit fees and post permit when received.

Violation Division: Long Beach Environmental Health
Violation Program: HW
Violation Source: CERS

Site ID: 369214
Site Name: Spot Lighting Supplies
Violation Date: 04-20-2016
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.

Violation Notes: Returned to compliance on 04/20/2016.
Violation Division: Long Beach Environmental Health
Violation Program: HW
Violation Source: CERS

Site ID: 369214
Site Name: Spot Lighting Supplies
Violation Date: 04-20-2016
Citation: 22 CCR 12 66262.12 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.12
Violation Description: Failure to obtain and/or maintain an Active EPA ID.
Violation Notes: Returned to compliance on 07/21/2016. No CA US EPA ID Number in owner's name. Fax Form 1358 to the DTSC and obtain a CA US EPA ID Number.

Violation Division: Long Beach Environmental Health
Violation Program: HW
Violation Source: CERS

Site ID: 369214
Site Name: Spot Lighting Supplies
Violation Date: 04-20-2016
Citation: 22 CCR 15 66265.51 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.51
Violation Description: Failure to prepare and implement a Contingency Plan to minimize human hazards or threat to the environment and to carry out the provisions of the plan whenever there is a fire, explosion, or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents which could threaten human health or the environment.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ELLIS PAINT CO (Continued)

1000455513

Violation Notes: Returned to compliance on 07/21/2016. Apply on-line on the CERS website and submit a Hazardous Materials Business Emergency Plan to the LBFD. Keep a copy of Plan on site at all times.
Violation Division: Long Beach Environmental Health
Violation Program: HW
Violation Source: CERS

Evaluation:

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-19-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Routine inspection with a CERS violation of a retail lighting business.
Eval Division: Long Beach Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-20-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Routine inspection with violations of a lighting wholesaler that was previously not in the LB Hazardous Waste Program.
Eval Division: Long Beach Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 07-21-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Re-inspection w/ no violations of a retail lighting facility.
Eval Division: Long Beach Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-01-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Re-inspection with no violations of a lighting supply facility. All three elements of a Hazardous Materials Business Plan was submitted on CERS ID#10669762 on 5/16/18.
Eval Division: Long Beach Environmental Health
Eval Program: HW
Eval Source: CERS

Coordinates:

Site ID: 369214
Facility Name: Spot Lighting Supplies
Env Int Type Code: HWG
Program ID: 10669762
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 33.781510

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ELLIS PAINT CO (Continued)

1000455513

Longitude: -118.201000

Affiliation:

Affiliation Type Desc: Legal Owner
Entity Name: Edward Spotskey
Entity Title: Not reported
Affiliation Address: 1200 Oregon Ave
Affiliation City: Long Beach
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 90813
Affiliation Phone: (562) 437-1300

Affiliation Type Desc: CUPA District
Entity Name: Long Beach Environmental Heath
Entity Title: Not reported
Affiliation Address: 2525 Grand Avenue
Affiliation City: Long Beach
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90815
Affiliation Phone: (562) 570-4131

Affiliation Type Desc: Environmental Contact
Entity Name: Brian Spotskey
Entity Title: Not reported
Affiliation Address: 1200 Oregon Ave
Affiliation City: Long Beach
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90813
Affiliation Phone: Not reported

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 1200 Oregon Ave
Affiliation City: Long Beach
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90813
Affiliation Phone: Not reported

Affiliation Type Desc: Identification Signer
Entity Name: Brian Spotskey
Entity Title: Sales
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Operator
Entity Name: Victor Morales
Entity Title: Not reported
Affiliation Address: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ELLIS PAINT CO (Continued)

1000455513

Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (562) 570-2581

Affiliation Type Desc: Document Preparer
Entity Name: Brian Spotskey
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Parent Corporation
Entity Name: Spot Lighting Supplies
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

FINDS:

Registry ID: 110002831071
Facility URL: http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110002831071

Environmental Interest/Information System:

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1000455513
Registry ID: 110002831071
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110002831071>
Name: ELLIS PAINT CO
Address: 1200 OREGON AVE
City,State,Zip: LONG BEACH, CA 90813

HAZNET:

Name: ELLIS PAINT CO
Address: 1200 OREGON AVE
Address 2: Not reported
City,State,Zip: LONG BEACH, CA 908130000
Contact: CHUCK TROMBOLD/DIRECTOR EH&S

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ELLIS PAINT CO (Continued)

1000455513

Telephone:	3232618114
Mailing Name:	Not reported
Mailing Address:	3150 E PICO BLVD
Year:	2002
Gepaid:	CAD982495038
TSD EPA ID:	CAD008252405
CA Waste Code:	352 - Other organic solids
Disposal Method:	H01 - Transfer Station
Tons:	0.0625
Year:	2002
Gepaid:	CAD982495038
TSD EPA ID:	CAD008252405
CA Waste Code:	214 - Unspecified solvent mixture
Disposal Method:	R01 - Recycler
Tons:	0.6732
Year:	2002
Gepaid:	CAD982495038
TSD EPA ID:	CAD008252405
CA Waste Code:	133 - Aqueous solution with total organic residues 10 percent or more
Disposal Method:	R01 - Recycler
Tons:	0.05838
Year:	2001
Gepaid:	CAD982495038
TSD EPA ID:	CAD008252405
CA Waste Code:	214 - Unspecified solvent mixture
Disposal Method:	-
Tons:	0
Year:	2001
Gepaid:	CAD982495038
TSD EPA ID:	CAD008252405
CA Waste Code:	214 - Unspecified solvent mixture
Disposal Method:	R01 - Recycler
Tons:	0.684
Year:	2001
Gepaid:	CAD982495038
TSD EPA ID:	CAD008252405
CA Waste Code:	352 - Other organic solids
Disposal Method:	H01 - Transfer Station
Tons:	0.275
Year:	2000
Gepaid:	CAD982495038
TSD EPA ID:	CAD008252405
CA Waste Code:	352 - Other organic solids
Disposal Method:	H01 - Transfer Station
Tons:	0.24
Year:	2000
Gepaid:	CAD982495038
TSD EPA ID:	CAD008252405
CA Waste Code:	214 - Unspecified solvent mixture

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ELLIS PAINT CO (Continued)

1000455513

Disposal Method:	R01 - Recycler
Tons:	0.7776
Year:	1999
Gepaid:	CAD982495038
TSD EPA ID:	CAD008252405
CA Waste Code:	352 - Other organic solids
Disposal Method:	R01 - Recycler
Tons:	0.3625
Year:	1999
Gepaid:	CAD982495038
TSD EPA ID:	CAD008252405
CA Waste Code:	214 - Unspecified solvent mixture
Disposal Method:	R01 - Recycler
Tons:	0.522

[Click this hyperlink](#) while viewing on your computer to access
21 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:

Year:	2001
Gen EPA ID:	CAD982495038
Shipment Date:	20011029
Creation Date:	1/16/2002 0:00:00
Receipt Date:	20011029
Manifest ID:	21412494
Trans EPA ID:	CAD008252405
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSD EPA ID:	CAD008252405
Trans Name:	Not reported
TSD EPA ID:	CAD008252405
TSD EPA Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	D001
Disposal Method:	H01 - Transfer Station
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20010710
Creation Date:	10/1/2001 0:00:00
Receipt Date:	20010710
Manifest ID:	20929685
Trans EPA ID:	CAD008252405
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported

Map ID
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Distance
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ELLIS PAINT CO (Continued)

1000455513

TSDF EPA ID: CAD008252405
Trans Name: Not reported
TSDF Alt EPA ID: CAD008252405
TSDF Alt Name: Not reported
CA Waste Code: 214 - Unspecified solvent mixture
RCRA Code: D001
Disposal Method: R01 - Recycler
Quantity Tons: 0.162
Waste Quantity: 45
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20010529
Creation Date: 7/30/2001 0:00:00
Receipt Date: 20010529
Manifest ID: 20926594
Trans EPA ID: CAD008252405
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD008252405
Trans Name: Not reported
TSDF Alt EPA ID: CAD008252405
TSDF Alt Name: Not reported
CA Waste Code: 352 - Other organic solids
RCRA Code: D001
Disposal Method: H01 - Transfer Station
Quantity Tons: 0.1
Waste Quantity: 200
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20010419
Creation Date: 7/10/2001 0:00:00
Receipt Date: 20010419
Manifest ID: 20702668
Trans EPA ID: CAD008252405
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD008252405
Trans Name: Not reported
TSDF Alt EPA ID: CAD008252405
TSDF Alt Name: Not reported
CA Waste Code: 214 - Unspecified solvent mixture
RCRA Code: D001
Disposal Method: R01 - Recycler
Quantity Tons: 0.162
Waste Quantity: 45

Map ID
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ELLIS PAINT CO (Continued)

1000455513

Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20010312
Creation Date:	5/31/2001 0:00:00
Receipt Date:	20010312
Manifest ID:	20698909
Trans EPA ID:	CAD008252405
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD008252405
Trans Name:	Not reported
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
CA Waste Code:	214 - Unspecified solvent mixture
RCRA Code:	D001
Disposal Method:	R01 - Recycler
Quantity Tons:	0.18
Waste Quantity:	50
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20010301
Creation Date:	5/16/2001 0:00:00
Receipt Date:	20010301
Manifest ID:	20698302
Trans EPA ID:	CAD008252405
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD008252405
Trans Name:	Not reported
TSDf Alt EPA ID:	CAD008252405
TSDf Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	D001
Disposal Method:	H01 - Transfer Station
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20010108
Creation Date:	4/9/2001 0:00:00

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ELLIS PAINT CO (Continued)

1000455513

Receipt Date: 20010115
Manifest ID: 20610239
Trans EPA ID: CAD008252405
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD008252405
Trans Name: Not reported
TSDf Alt EPA ID: CAD008252405
TSDf Alt Name: Not reported
CA Waste Code: 214 - Unspecified solvent mixture
RCRA Code: D001
Disposal Method: - Not reported
Quantity Tons: 0
Waste Quantity: 0
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20010108
Creation Date: 4/9/2001 0:00:00
Receipt Date: 20010115
Manifest ID: 20610239
Trans EPA ID: CAD008252405
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD008252405
Trans Name: Not reported
TSDf Alt EPA ID: CAD008252405
TSDf Alt Name: Not reported
CA Waste Code: 214 - Unspecified solvent mixture
RCRA Code: D001
Disposal Method: R01 - Recycler
Quantity Tons: 0.18
Waste Quantity: 50
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:

Year: 2000
Gen EPA ID: CAD982495038

Shipment Date: 20001218
Creation Date: 3/6/2001 0:00:00
Receipt Date: 20001218
Manifest ID: 20608461
Trans EPA ID: CAD008252405
Trans Name: Not reported
Trans 2 EPA ID: Not reported

Map ID
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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

ELLIS PAINT CO (Continued)

1000455513

Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008252405
TSDF Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	D001
Disposal Method:	H01 - Transfer Station
Quantity Tons:	0.065
Waste Quantity:	130
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20001127
Creation Date:	1/24/2001 0:00:00
Receipt Date:	20001127
Manifest ID:	20435248
Trans EPA ID:	CAD008252405
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008252405
TSDF Alt Name:	Not reported
CA Waste Code:	214 - Unspecified solvent mixture
RCRA Code:	D001
Disposal Method:	R01 - Recycler
Quantity Tons:	0.162
Waste Quantity:	45
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20000906
Creation Date:	11/14/2000 0:00:00
Receipt Date:	20000906
Manifest ID:	20269103
Trans EPA ID:	CAD008252405
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008252405
TSDF Alt Name:	Not reported
CA Waste Code:	214 - Unspecified solvent mixture
RCRA Code:	D001
Disposal Method:	R01 - Recycler
Quantity Tons:	0.1296

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ELLIS PAINT CO (Continued)

1000455513

Waste Quantity:	36
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20000906
Creation Date:	11/14/2000 0:00:00
Receipt Date:	20000906
Manifest ID:	20269103
Trans EPA ID:	CAD008252405
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD008252405
Trans Name:	Not reported
TSDf Alt EPA ID:	CAD008252405
TSDf Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	D001
Disposal Method:	H01 - Transfer Station
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20000724
Creation Date:	9/25/2000 0:00:00
Receipt Date:	20000724
Manifest ID:	20273943
Trans EPA ID:	CAD008252405
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD008252405
Trans Name:	Not reported
TSDf Alt EPA ID:	CAD008252405
TSDf Alt Name:	Not reported
CA Waste Code:	214 - Unspecified solvent mixture
RCRA Code:	D001
Disposal Method:	R01 - Recycler
Quantity Tons:	0.108
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20000530

Map ID
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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

ELLIS PAINT CO (Continued)

1000455513

Creation Date:	8/2/2000 0:00:00
Receipt Date:	20000530
Manifest ID:	98376166
Trans EPA ID:	CAD008252405
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008252405
TSDF Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	D001
Disposal Method:	H01 - Transfer Station
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20000523
Creation Date:	8/2/2000 0:00:00
Receipt Date:	20000523
Manifest ID:	98375641
Trans EPA ID:	CAD008252405
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008252405
TSDF Alt Name:	Not reported
CA Waste Code:	214 - Unspecified solvent mixture
RCRA Code:	D001
Disposal Method:	R01 - Recycler
Quantity Tons:	0.072
Waste Quantity:	20
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20000418
Creation Date:	6/21/2000 0:00:00
Receipt Date:	20000418
Manifest ID:	98373042
Trans EPA ID:	CAD008252405
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	Not reported

Map ID
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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

ELLIS PAINT CO (Continued)

1000455513

TSDF Alt EPA ID: CAD008252405
TSDF Alt Name: Not reported
CA Waste Code: 214 - Unspecified solvent mixture
RCRA Code: D001
Disposal Method: R01 - Recycler
Quantity Tons: 0.126
Waste Quantity: 35
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20000320
Creation Date: 5/30/2000 0:00:00
Receipt Date: 20000320
Manifest ID: 98371934
Trans EPA ID: CAD008252405
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD008252405
Trans Name: Not reported
TSDF Alt EPA ID: CAD008252405
TSDF Alt Name: Not reported
CA Waste Code: 214 - Unspecified solvent mixture
RCRA Code: D001
Disposal Method: R01 - Recycler
Quantity Tons: 0.09
Waste Quantity: 25
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20000214
Creation Date: 5/1/2000 0:00:00
Receipt Date: 20000214
Manifest ID: 99498341
Trans EPA ID: CAD008252405
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD008252405
Trans Name: Not reported
TSDF Alt EPA ID: CAD008252405
TSDF Alt Name: Not reported
CA Waste Code: 352 - Other organic solids
RCRA Code: D001
Disposal Method: H01 - Transfer Station
Quantity Tons: 0.075
Waste Quantity: 150
Quantity Unit: P
Additional Code 1: Not reported

Map ID
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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

ELLIS PAINT CO (Continued)

1000455513

Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:

Year: 2002
Gen EPA ID: CAD982495038

Shipment Date: 20020806
Creation Date: 3/14/2003 18:31:30
Receipt Date: 20020806
Manifest ID: 20433573
Trans EPA ID: CAD008252405
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD008252405
Trans Name: Not reported
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: 214 - Unspecified solvent mixture
RCRA Code: D001
Disposal Method: R01 - Recycler
Quantity Tons: 0.5292
Waste Quantity: 147
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20020806
Creation Date: 3/14/2003 18:31:30
Receipt Date: 20020806
Manifest ID: 20433573
Trans EPA ID: CAD008252405
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD008252405
Trans Name: Not reported
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: 133 - Aqueous solution with 10% or more total organic residues
RCRA Code: Not reported
Disposal Method: R01 - Recycler
Quantity Tons: 0.05838
Waste Quantity: 14
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Map ID
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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

ELLIS PAINT CO (Continued)

1000455513

Shipment Date:	20020806
Creation Date:	3/14/2003 18:31:30
Receipt Date:	20020806
Manifest ID:	20433573
Trans EPA ID:	CAD008252405
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	D001
Disposal Method:	H01 - Transfer Station
Quantity Tons:	0.0625
Waste Quantity:	125
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20020121
Creation Date:	3/7/2002 0:00:00
Receipt Date:	20020121
Manifest ID:	21416260
Trans EPA ID:	CAD008252405
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008252405
TSDF Alt Name:	Not reported
CA Waste Code:	214 - Unspecified solvent mixture
RCRA Code:	D001
Disposal Method:	R01 - Recycler
Quantity Tons:	0.144
Waste Quantity:	40
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Additional Info:	
Year:	1998
Gen EPA ID:	CAD982495038
Shipment Date:	19981215
Creation Date:	2/8/1999 0:00:00
Receipt Date:	19981215
Manifest ID:	98251997
Trans EPA ID:	CAD008252405

Map ID
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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

ELLIS PAINT CO (Continued)

1000455513

Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD008252405
Trans Name:	Not reported
TSDf Alt EPA ID:	CAD008252405
TSDf Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	D001
Disposal Method:	T03 - Treatment, Incineration
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19980922
Creation Date:	11/23/1998 0:00:00
Receipt Date:	19980922
Manifest ID:	98406355
Trans EPA ID:	CAD008252405
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD008252405
Trans Name:	Not reported
TSDf Alt EPA ID:	CAD008252405
TSDf Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	D001
Disposal Method:	R01 - Recycler
Quantity Tons:	0.15
Waste Quantity:	300
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19980922
Creation Date:	11/23/1998 0:00:00
Receipt Date:	19980922
Manifest ID:	98406357
Trans EPA ID:	CAD008252405
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD008252405
Trans Name:	Not reported
TSDf Alt EPA ID:	CAD008252405
TSDf Alt Name:	Not reported
CA Waste Code:	214 - Unspecified solvent mixture
RCRA Code:	D001

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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ELLIS PAINT CO (Continued)

1000455513

Disposal Method:	R01 - Recycler
Quantity Tons:	0.216
Waste Quantity:	60
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19980727
Creation Date:	10/1/1998 0:00:00
Receipt Date:	19980727
Manifest ID:	98403205
Trans EPA ID:	CAD008252405
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD008252405
Trans Name:	Not reported
TSDf Alt EPA ID:	CAD008252405
TSDf Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	D001
Disposal Method:	T03 - Treatment, Incineration
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19980727
Creation Date:	10/1/1998 0:00:00
Receipt Date:	19980727
Manifest ID:	98403207
Trans EPA ID:	CAD008252405
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD008252405
Trans Name:	Not reported
TSDf Alt EPA ID:	CAD008252405
TSDf Alt Name:	Not reported
CA Waste Code:	214 - Unspecified solvent mixture
RCRA Code:	D001
Disposal Method:	R01 - Recycler
Quantity Tons:	0.126
Waste Quantity:	35
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

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MAP FINDINGS

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EDR ID Number
EPA ID Number

ELLIS PAINT CO (Continued)

1000455513

Shipment Date: 19980609
Creation Date: 9/3/1998 0:00:00
Receipt Date: 19980609
Manifest ID: 98254055
Trans EPA ID: CAD008252405
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD008252405
Trans Name: Not reported
TSDF Alt EPA ID: CAD008252405
TSDF Alt Name: Not reported
CA Waste Code: 214 - Unspecified solvent mixture
RCRA Code: D001
Disposal Method: R01 - Recycler
Quantity Tons: 0.234
Waste Quantity: 65
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 19980609
Creation Date: 9/3/1998 0:00:00
Receipt Date: 19980609
Manifest ID: 98254055
Trans EPA ID: CAD008252405
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD008252405
Trans Name: Not reported
TSDF Alt EPA ID: CAD008252405
TSDF Alt Name: Not reported
CA Waste Code: 352 - Other organic solids
RCRA Code: D001
Disposal Method: R01 - Recycler
Quantity Tons: 0.05
Waste Quantity: 100
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 19980505
Creation Date: 7/15/1998 0:00:00
Receipt Date: 19980505
Manifest ID: 96561558
Trans EPA ID: CAD008252405
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD008252405

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ELLIS PAINT CO (Continued)

1000455513

Trans Name: Not reported
TSDF Alt EPA ID: CAD008252405
TSDF Alt Name: Not reported
CA Waste Code: 352 - Other organic solids
RCRA Code: D001
Disposal Method: T03 - Treatment, Incineration
Quantity Tons: 0.05
Waste Quantity: 100
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 19980303
Creation Date: 5/8/1998 0:00:00
Receipt Date: 19980303
Manifest ID: 96783959
Trans EPA ID: CAD008252405
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD008252405
Trans Name: Not reported
TSDF Alt EPA ID: CAD008252405
TSDF Alt Name: Not reported
CA Waste Code: 352 - Other organic solids
RCRA Code: D001
Disposal Method: T03 - Treatment, Incineration
Quantity Tons: 0.05
Waste Quantity: 100
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 19980120
Creation Date: 4/16/1998 0:00:00
Receipt Date: 19980121
Manifest ID: 96782923
Trans EPA ID: CAD008252405
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD008252405
Trans Name: Not reported
TSDF Alt EPA ID: CAD008252405
TSDF Alt Name: Not reported
CA Waste Code: 352 - Other organic solids
RCRA Code: D001
Disposal Method: T03 - Treatment, Incineration
Quantity Tons: 0.05
Waste Quantity: 100
Quantity Unit: P

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ELLIS PAINT CO (Continued)

1000455513

Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:

Year: 1997
Gen EPA ID: CAD982495038

Shipment Date: 19970908
Creation Date: 7/23/1998 0:00:00
Receipt Date: 19970908
Manifest ID: 96702288
Trans EPA ID: CAD008252405
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD008252405
Trans Name: Not reported
TSDF Alt EPA ID: CAD008252405
TSDF Alt Name: Not reported
CA Waste Code: 352 - Other organic solids
RCRA Code: D001
Disposal Method: T03 - Treatment, Incineration
Quantity Tons: 0.1
Waste Quantity: 200
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 19970822
Creation Date: 7/23/1998 0:00:00
Receipt Date: 19970822
Manifest ID: 96702118
Trans EPA ID: CAD008252405
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD008252405
Trans Name: Not reported
TSDF Alt EPA ID: CAD008252405
TSDF Alt Name: Not reported
CA Waste Code: 214 - Unspecified solvent mixture
RCRA Code: D001
Disposal Method: R01 - Recycler
Quantity Tons: 0.27
Waste Quantity: 75
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ELLIS PAINT CO (Continued)

1000455513

Shipment Date:	19970625
Creation Date:	12/4/1997 0:00:00
Receipt Date:	19970625
Manifest ID:	96882340
Trans EPA ID:	CAD008252405
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	D001
Disposal Method:	T03 - Treatment, Incineration
Quantity Tons:	0.15
Waste Quantity:	300
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19970623
Creation Date:	12/4/1997 0:00:00
Receipt Date:	19970623
Manifest ID:	96882316
Trans EPA ID:	CAD008252405
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	214 - Unspecified solvent mixture
RCRA Code:	D001
Disposal Method:	R01 - Recycler
Quantity Tons:	0.036
Waste Quantity:	10
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19970619
Creation Date:	12/4/1997 0:00:00
Receipt Date:	19970619
Manifest ID:	96882299
Trans EPA ID:	CAD008252405
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ELLIS PAINT CO (Continued)

1000455513

Trans Name: Not reported
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: 133 - Aqueous solution with 10% or more total organic residues
RCRA Code: Not reported
Disposal Method: R01 - Recycler
Quantity Tons: 0.0208
Waste Quantity: 5
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 19970619
Creation Date: 12/4/1997 0:00:00
Receipt Date: 19970619
Manifest ID: 96882299
Trans EPA ID: CAD008252405
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD008252405
Trans Name: Not reported
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: 133 - Aqueous solution with 10% or more total organic residues
RCRA Code: Not reported
Disposal Method: R01 - Recycler
Quantity Tons: 0.0458
Waste Quantity: 11
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 19970619
Creation Date: 12/4/1997 0:00:00
Receipt Date: 19970619
Manifest ID: 96882299
Trans EPA ID: CAD008252405
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD008252405
Trans Name: Not reported
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: 214 - Unspecified solvent mixture
RCRA Code: D001
Disposal Method: R01 - Recycler
Quantity Tons: 0.126
Waste Quantity: 35
Quantity Unit: G

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ELLIS PAINT CO (Continued)

1000455513

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19970321
Creation Date:	6/26/1997 0:00:00
Receipt Date:	19970321
Manifest ID:	96874377
Trans EPA ID:	CAD008252405
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	D001
Disposal Method:	T03 - Treatment, Incineration
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1996
Gen EPA ID:	CAD982495038

Shipment Date:	19961206
Creation Date:	5/21/1997 0:00:00
Receipt Date:	19961206
Manifest ID:	96560508
Trans EPA ID:	CAD008252405
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	D001
Disposal Method:	T03 - Treatment, Incineration
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ELLIS PAINT CO (Continued)

1000455513

Shipment Date: 19960903
Creation Date: 5/20/1997 0:00:00
Receipt Date: 19960903
Manifest ID: 96297967
Trans EPA ID: CAD008252405
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD008252405
Trans Name: Not reported
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: 343 - Unspecified organic liquid mixture
RCRA Code: D001
Disposal Method: R01 - Recycler
Quantity Tons: 0.7684
Waste Quantity: 226
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 19960816
Creation Date: 5/30/1997 0:00:00
Receipt Date: 19960816
Manifest ID: 95241845
Trans EPA ID: CAD008252405
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD008252405
Trans Name: Not reported
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: 352 - Other organic solids
RCRA Code: D001
Disposal Method: T03 - Treatment, Incineration
Quantity Tons: 0.05
Waste Quantity: 100
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 19960528
Creation Date: 5/30/1997 0:00:00
Receipt Date: 19960528
Manifest ID: 95921148
Trans EPA ID: CAD008252405
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD008252405

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ELLIS PAINT CO (Continued)

1000455513

Trans Name: Not reported
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: 352 - Other organic solids
RCRA Code: D001
Disposal Method: T03 - Treatment, Incineration
Quantity Tons: 0.075
Waste Quantity: 150
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 19960401
Creation Date: 10/4/1996 0:00:00
Receipt Date: 19960401
Manifest ID: 95920299
Trans EPA ID: CAD008252405
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD008252405
Trans Name: Not reported
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: 352 - Other organic solids
RCRA Code: D001
Disposal Method: T03 - Treatment, Incineration
Quantity Tons: 0.055
Waste Quantity: 110
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 19960304
Creation Date: 10/16/1996 0:00:00
Receipt Date: 19960304
Manifest ID: 95921697
Trans EPA ID: CAD008252405
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD008252405
Trans Name: Not reported
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: 352 - Other organic solids
RCRA Code: D001
Disposal Method: T03 - Treatment, Incineration
Quantity Tons: 0.05
Waste Quantity: 100
Quantity Unit: P

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ELLIS PAINT CO (Continued)

1000455513

Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 19960202
Creation Date: 10/10/1996 0:00:00
Receipt Date: 19960202
Manifest ID: 95922686
Trans EPA ID: CAD008252405
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD008252405
Trans Name: Not reported
TSDF Alt EPA ID: CAD008252405
TSDF Alt Name: Not reported
CA Waste Code: 352 - Other organic solids
RCRA Code: D001
Disposal Method: T03 - Treatment, Incineration
Quantity Tons: 0.11
Waste Quantity: 220
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:

Year: 1994
Gen EPA ID: CAD982495038

Shipment Date: 19940718
Creation Date: 3/26/1996 0:00:00
Receipt Date: 19940718
Manifest ID: 92606596
Trans EPA ID: CAD008252405
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD008252405
Trans Name: Not reported
TSDF Alt EPA ID: CAD008252405
TSDF Alt Name: Not reported
CA Waste Code: 133 - Aqueous solution with 10% or more total organic residues
RCRA Code: Not reported
Disposal Method: R01 - Recycler
Quantity Tons: 0.0625
Waste Quantity: 15
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ELLIS PAINT CO (Continued)

1000455513

Shipment Date: 19940321
Creation Date: 10/5/1995 0:00:00
Receipt Date: 19940321
Manifest ID: 93350889
Trans EPA ID: CAD008252405
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD008252405
Trans Name: Not reported
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: 461 - Paint sludge
RCRA Code: D001
Disposal Method: T03 - Treatment, Incineration
Quantity Tons: 0.02
Waste Quantity: 40
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:

Year: 1999
Gen EPA ID: CAD982495038

Shipment Date: 19991115
Creation Date: 1/19/2000 0:00:00
Receipt Date: 19991115
Manifest ID: 99494726
Trans EPA ID: CAD008252405
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD008252405
Trans Name: Not reported
TSDF Alt EPA ID: CAD008252405
TSDF Alt Name: Not reported
CA Waste Code: 352 - Other organic solids
RCRA Code: D001
Disposal Method: R01 - Recycler
Quantity Tons: 0.05
Waste Quantity: 100
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 19991115
Creation Date: 1/19/2000 0:00:00
Receipt Date: 19991115
Manifest ID: 99494726
Trans EPA ID: CAD008252405

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ELLIS PAINT CO (Continued)

1000455513

Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD008252405
Trans Name: Not reported
TSDf Alt EPA ID: CAD008252405
TSDf Alt Name: Not reported
CA Waste Code: 214 - Unspecified solvent mixture
RCRA Code: D001
Disposal Method: R01 - Recycler
Quantity Tons: 0.0828
Waste Quantity: 23
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 19990913
Creation Date: 11/18/1999 0:00:00
Receipt Date: 19990913
Manifest ID: 99490160
Trans EPA ID: CAD008252405
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD008252405
Trans Name: Not reported
TSDf Alt EPA ID: CAD008252405
TSDf Alt Name: Not reported
CA Waste Code: 214 - Unspecified solvent mixture
RCRA Code: D001
Disposal Method: R01 - Recycler
Quantity Tons: 0.0972
Waste Quantity: 27
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 19990913
Creation Date: 11/18/1999 0:00:00
Receipt Date: 19990913
Manifest ID: 99490160
Trans EPA ID: CAD008252405
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD008252405
Trans Name: Not reported
TSDf Alt EPA ID: CAD008252405
TSDf Alt Name: Not reported
CA Waste Code: 352 - Other organic solids
RCRA Code: D001

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ELLIS PAINT CO (Continued)

1000455513

Disposal Method:	R01 - Recycler
Quantity Tons:	0.0625
Waste Quantity:	125
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19990607
Creation Date:	8/16/1999 0:00:00
Receipt Date:	19990607
Manifest ID:	98728286
Trans EPA ID:	CAD008252405
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD008252405
Trans Name:	Not reported
TSDf Alt EPA ID:	CAD008252405
TSDf Alt Name:	Not reported
CA Waste Code:	214 - Unspecified solvent mixture
RCRA Code:	D001
Disposal Method:	R01 - Recycler
Quantity Tons:	0.162
Waste Quantity:	45
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19990607
Creation Date:	8/16/1999 0:00:00
Receipt Date:	19990607
Manifest ID:	98728286
Trans EPA ID:	CAD008252405
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD008252405
Trans Name:	Not reported
TSDf Alt EPA ID:	CAD008252405
TSDf Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	D001
Disposal Method:	R01 - Recycler
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ELLIS PAINT CO (Continued)

1000455513

Shipment Date:	19990405
Creation Date:	5/27/1999 0:00:00
Receipt Date:	19990405
Manifest ID:	98725223
Trans EPA ID:	CAD008252405
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008252405
TSDF Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	D001
Disposal Method:	R01 - Recycler
Quantity Tons:	0.15
Waste Quantity:	300
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19990223
Creation Date:	5/4/1999 0:00:00
Receipt Date:	19990223
Manifest ID:	98723550
Trans EPA ID:	CAD008252405
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008252405
TSDF Alt Name:	Not reported
CA Waste Code:	214 - Unspecified solvent mixture
RCRA Code:	D001
Disposal Method:	R01 - Recycler
Quantity Tons:	0.18
Waste Quantity:	50
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Additional Info:	
Year:	1993
Gen EPA ID:	CAD982495038
Shipment Date:	19931110
Creation Date:	9/14/1995 0:00:00
Receipt Date:	19931110
Manifest ID:	92603084
Trans EPA ID:	CAD008252405

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ELLIS PAINT CO (Continued)

1000455513

Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD008252405
Trans Name: Not reported
TSDf Alt EPA ID: CAD008252405
TSDf Alt Name: Not reported
CA Waste Code: 214 - Unspecified solvent mixture
RCRA Code: Not reported
Disposal Method: R01 - Recycler
Quantity Tons: 0.162
Waste Quantity: 45
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 19931110
Creation Date: 9/14/1995 0:00:00
Receipt Date: 19931110
Manifest ID: 92603084
Trans EPA ID: CAD008252405
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD008252405
Trans Name: Not reported
TSDf Alt EPA ID: CAD008252405
TSDf Alt Name: Not reported
CA Waste Code: 214 - Unspecified solvent mixture
RCRA Code: Not reported
Disposal Method: R01 - Recycler
Quantity Tons: 0
Waste Quantity: 15
Quantity Unit: *
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 19930909
Creation Date: 9/9/1995 0:00:00
Receipt Date: Not reported
Manifest ID: 92597899
Trans EPA ID: CAD008250405
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD008252405
Trans Name: Not reported
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
CA Waste Code: 214 - Unspecified solvent mixture
RCRA Code: Not reported

Map ID
Direction
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ELLIS PAINT CO (Continued)

1000455513

Disposal Method:	- Not reported
Quantity Tons:	0.036
Waste Quantity:	10
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19930909
Creation Date:	9/9/1995 0:00:00
Receipt Date:	Not reported
Manifest ID:	92597899
Trans EPA ID:	CAD008250405
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD008252405
Trans Name:	Not reported
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
CA Waste Code:	214 - Unspecified solvent mixture
RCRA Code:	Not reported
Disposal Method:	- Not reported
Quantity Tons:	0.144
Waste Quantity:	40
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19930809
Creation Date:	9/12/1995 0:00:00
Receipt Date:	19930809
Manifest ID:	92597899
Trans EPA ID:	CAD008252405
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD008252405
Trans Name:	Not reported
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
CA Waste Code:	214 - Unspecified solvent mixture
RCRA Code:	Not reported
Disposal Method:	R01 - Recycler
Quantity Tons:	0.036
Waste Quantity:	10
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ELLIS PAINT CO (Continued)

1000455513

Shipment Date: 19930809
Creation Date: 9/12/1995 0:00:00
Receipt Date: 19930809
Manifest ID: 92597899
Trans EPA ID: CAD008252405
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD008252405
Trans Name: Not reported
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: 214 - Unspecified solvent mixture
RCRA Code: Not reported
Disposal Method: R01 - Recycler
Quantity Tons: 0.144
Waste Quantity: 40
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 19930526
Creation Date: 9/7/1995 0:00:00
Receipt Date: Not reported
Manifest ID: 92040799
Trans EPA ID: CAD008252405
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD008252405
Trans Name: Not reported
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: 214 - Unspecified solvent mixture
RCRA Code: Not reported
Disposal Method: - Not reported
Quantity Tons: 0.0576
Waste Quantity: 16
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 19930526
Creation Date: 9/7/1995 0:00:00
Receipt Date: Not reported
Manifest ID: 92040799
Trans EPA ID: CAD008252405
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD008252405

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ELLIS PAINT CO (Continued)

1000455513

Trans Name: Not reported
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: 214 - Unspecified solvent mixture
RCRA Code: Not reported
Disposal Method: - Not reported
Quantity Tons: 0.162
Waste Quantity: 45
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 19930322
Creation Date: 9/6/1995 0:00:00
Receipt Date: 19930322
Manifest ID: 92031178
Trans EPA ID: CAD008252405
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD008252405
Trans Name: Not reported
TSDF Alt EPA ID: CAD008252405
TSDF Alt Name: Not reported
CA Waste Code: 214 - Unspecified solvent mixture
RCRA Code: Not reported
Disposal Method: R01 - Recycler
Quantity Tons: 0.162
Waste Quantity: 45
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 19930222
Creation Date: 9/7/1995 0:00:00
Receipt Date: 19930222
Manifest ID: 92033042
Trans EPA ID: CAD008252405
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD008252405
Trans Name: Not reported
TSDF Alt EPA ID: CAD008252405
TSDF Alt Name: Not reported
CA Waste Code: 214 - Unspecified solvent mixture
RCRA Code: Not reported
Disposal Method: R01 - Recycler
Quantity Tons: 0.1872
Waste Quantity: 52
Quantity Unit: G

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ELLIS PAINT CO (Continued)

1000455513

Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:

Year: 1995
Gen EPA ID: CAD982495038

Shipment Date: 19951218
Creation Date: 9/18/1996 0:00:00
Receipt Date: 19951218
Manifest ID: 95241842
Trans EPA ID: CAD008252405
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD008252405
Trans Name: Not reported
TSDF Alt EPA ID: CAD008252405
TSDF Alt Name: Not reported
CA Waste Code: 352 - Other organic solids
RCRA Code: D001
Disposal Method: T03 - Treatment, Incineration
Quantity Tons: 0.04
Waste Quantity: 80
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

HWTS:

Name: ELLIS PAINT CO
Address: 1200 OREGON AVE
Address 2: Not reported
City,State,Zip: LONG BEACH, CA 908130000
EPA ID: CAD982495038
Inactive Date: 06/30/2002
Create Date: 07/16/1990
Last Act Date: 08/10/2004
Mailing Name: Not reported
Mailing Address: 3150 E PICO BLVD
Mailing Address 2: Not reported
Mailing City,State,Zip: LOS ANGELES, CA 900230000
Owner Name: ELLIS PAINT CO
Owner Address: 3150 EAST PICO BLVD
Owner Address 2: Not reported
Owner City,State,Zip: LOS ANGELES, CA 900233632
Contact Name: CHUCK TROMBOLD/DIRECTOR EH&S
Contact Address: 3150 EAST PICO BLVD
Contact Address 2: Not reported
City,State,Zip: LOS ANGELES, CA 900233632

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ELLIS PAINT CO (Continued)

1000455513

NAICS:

EPA ID: CAD982495038
Create Date: 2002-03-14 16:36:27
NAICS Code: 1152
NAICS Description: Support Activities for Animal Production
Issued EPA ID Date: 1990-07-16 00:00:00
Inactive Date: 2002-06-30 00:00:00
Facility Name: ELLIS PAINT CO
Facility Address: 1200 OREGON AVE
Facility Address 2: Not reported
Facility City: LONG BEACH
Facility County: 19
Facility State: CA
Facility Zip: 908130000

O84
East
1/8-1/4
0.155 mi.
819 ft.

J&P TRUCK BODY SHOP INC
655 W 14TH ST
LONG BEACH, CA 90813

CA CERS HAZ WASTE
CA EMI
CA HAZNET
CA CERS
CA HWTS

S106839770
N/A

Site 5 of 6 in cluster O

Relative:
Higher
Actual:
13 ft.

CERS HAZ WASTE:
Name: J & P TRUCK BODY SHOP
Address: 655 W 14TH ST
City,State,Zip: LONG BEACH, CA 90813
Site ID: 375981
CERS ID: 10604059
CERS Description: Hazardous Waste Generator

EMI:

Name: SOUTHERN CALIFORNIA SCREEN PRI
Address: 655 W 14TH ST
City,State,Zip: LONG BEACH, CA 90813
Year: 1990
County Code: 19
Air Basin: SC
Facility ID: 81765
Air District Name: SC
SIC Code: 2759
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 9
Reactive Organic Gases Tons/Yr: 6
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

HAZNET:

Name: J&P TRUCK BODY SHOP INC
Address: 655 W 14TH ST
Address 2: Not reported
City,State,Zip: LONG BEACH, CA 90813

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

J&P TRUCK BODY SHOP INC (Continued)

S106839770

Contact: PAOLA SILVA
Telephone: 3105289722
Mailing Name: Not reported
Mailing Address: 655 W 14TH ST

Year: 2016
Gepaid: CAL000390456
TSD EPA ID: CAT080013352
CA Waste Code: 331 - Off-specification, aged or surplus organics
Disposal Method: H061 - Fuel Blending Prior To Energy Recovery At Another Site
Tons: 0.1815

Year: 2016
Gepaid: CAL000390456
TSD EPA ID: CAD008252405
CA Waste Code: 214 - Unspecified solvent mixture
Disposal Method: H061 - Fuel Blending Prior To Energy Recovery At Another Site
Tons: 0.108

CERS:

Name: J & P TRUCK BODY SHOP
Address: 655 W 14TH ST
City,State,Zip: LONG BEACH, CA 90813
Site ID: 375981
CERS ID: 10604059
CERS Description: Chemical Storage Facilities

Violations:

Site ID: 375981
Site Name: J & P TRUCK BODY SHOP
Violation Date: 05-31-2018
Citation: HSC 6.5 25123.3(h)(1) - California Health and Safety Code, Chapter 6.5, Section(s) 25123.3(h)(1)
Violation Description: Failure to send hazardous waste offsite for treatment, storage, or disposal within 180 days (or 270 days if waste is transported over 200 miles) for a generator who generates less than 1000 kilogram per month if all of the following conditions are met: (1) The quantity of hazardous waste accumulated onsite never exceeds 6,000 kilograms. (2) The generator complies with the requirements of 40 Code of Federal Regulations section 262.34(d), (e) and (f). (3) The generator does not hold acutely hazardous waste or extremely hazardous waste in an amount greater than one kilogram for more than 90 days.
Violation Notes: Returned to compliance on 07/11/2018. It is suspected that full drums of paint related waste stored on site have exceeded their 180 day storage accumulation time limit. Dispose of all hazardous waste stored on site and retain documentation for re-inspection.
Violation Division: Long Beach Environmental Heath
Violation Program: HW
Violation Source: CERS

Site ID: 375981
Site Name: J & P TRUCK BODY SHOP
Violation Date: 12-20-2013
Citation: HSC 6.11 25404(e)(4) - California Health and Safety Code, Chapter 6.11, Section(s) 25404(e)(4)
Violation Description: Failure to report program data electronically.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

J&P TRUCK BODY SHOP INC (Continued)

S106839770

Violation Notes: Returned to compliance on 09/25/2014.
Violation Division: Long Beach Environmental Heath
Violation Program: HMRRP
Violation Source: CERS

Site ID: 375981
Site Name: J & P TRUCK BODY SHOP
Violation Date: 05-31-2018
Citation: 40 CFR 1 265.31 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.31
Violation Description: Failure to maintain and operate the facility to minimize the possibility of a fire, explosion, or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents to air, soil, or surface water which could threaten human health or the environment.

Violation Notes: Returned to compliance on 07/11/2018. Housekeeping is very poor. Clean up the shop and consolidate and dispose of unlabeled containers of hazardous waste. Retain documentation of re-inspection on or after 30 days.
Violation Division: Long Beach Environmental Heath
Violation Program: HW
Violation Source: CERS

Site ID: 375981
Site Name: J & P TRUCK BODY SHOP
Violation Date: 03-21-2014
Citation: HSC 6.11 25404(e)(4) - California Health and Safety Code, Chapter 6.11, Section(s) 25404(e)(4)
Violation Description: Failure to report program data electronically.
Violation Notes: Returned to compliance on 09/25/2014.
Violation Division: Long Beach Environmental Heath
Violation Program: HMRRP
Violation Source: CERS

Site ID: 375981
Site Name: J & P TRUCK BODY SHOP
Violation Date: 10-17-2013
Citation: 22 CCR 12 66262.12 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.12
Violation Description: Failure to obtain and/or maintain an Active EPA ID.
Violation Notes: Returned to compliance on 03/06/2014. No California ID number obtained yet.
Violation Division: Long Beach Environmental Heath
Violation Program: HW
Violation Source: CERS

Site ID: 375981
Site Name: J & P TRUCK BODY SHOP
Violation Date: 07-06-2016
Citation: 22 CCR 12 66262.34(d) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(d)
Violation Description: Failure to send hazardous waste offsite for treatment, storage, or disposal within 180 days (or 270 days if waste is transported over 200 miles) for a generator who generates less than 1000 kilogram per month if all of the following conditions are met: (1) The quantity of hazardous waste accumulated onsite never exceeds 6,000 kilograms. (2) The generator complies with the requirements of 40 Code of Federal

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

J&P TRUCK BODY SHOP INC (Continued)

S106839770

Violations section 262.34(d), (e) and (f). (3) The generator does not hold acutely hazardous waste or extremely hazardous waste in an amount greater than one kilogram for more than 90 days.
Returned to compliance on 09/07/2016. Full 55 gallon drum of paint solvents has been stored on site for longer than 180 days. Dispose of this drum within 30 days and retain documentation for re-inspection.

Violation Notes: Returned to compliance on 09/07/2016. Full 55 gallon drum of paint solvents has been stored on site for longer than 180 days. Dispose of this drum within 30 days and retain documentation for re-inspection.

Violation Division: Long Beach Environmental Health
Violation Program: HW
Violation Source: CERS

Site ID: 375981
Site Name: J & P TRUCK BODY SHOP
Violation Date: 05-21-2014
Citation: HSC 6.11 25404(e)(4) - California Health and Safety Code, Chapter 6.11, Section(s) 25404(e)(4)
Violation Description: Failure to report program data electronically.
Violation Notes: Returned to compliance on 09/25/2014.
Violation Division: Long Beach Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 375981
Site Name: J & P TRUCK BODY SHOP
Violation Date: 04-21-2014
Citation: HSC 6.11 25404(e)(4) - California Health and Safety Code, Chapter 6.11, Section(s) 25404(e)(4)
Violation Description: Failure to report program data electronically.
Violation Notes: Returned to compliance on 09/25/2014.
Violation Division: Long Beach Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 375981
Site Name: J & P TRUCK BODY SHOP
Violation Date: 08-05-2016
Citation: HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description: Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes: Returned to compliance on 09/28/2016. facility has online submittal but is missing annual certification for hazardous materials inventory
Violation Division: Long Beach Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 375981
Site Name: J & P TRUCK BODY SHOP
Violation Date: 05-31-2018
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 05/31/2018. Full drums of paint related

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

J&P TRUCK BODY SHOP INC (Continued)

S106839770

waste need proper labeling. Labels were provided and this violation was corrected on site.

Violation Division: Long Beach Environmental Heath
Violation Program: HW
Violation Source: CERS

Site ID: 375981
Site Name: J & P TRUCK BODY SHOP
Violation Date: 10-17-2013
Citation: HSC 6.67 Multiple - California Health and Safety Code, Chapter 6.67, Section(s) Multiple

Violation Description: Haz Waste Generator Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 03/06/2014. CUPA permit invoice mailed out on 10/30/13.

Violation Division: Long Beach Environmental Heath
Violation Program: HW
Violation Source: CERS

Site ID: 375981
Site Name: J & P TRUCK BODY SHOP
Violation Date: 10-17-2013
Citation: 22 CCR 15 66265.51 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.51

Violation Description: Failure to prepare and implement a Contingency Plan to minimize human hazards or threat to the environment and to carry out the provisions of the plan whenever there is a fire, explosion, or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents which could threaten human health or the environment.

Violation Notes: Returned to compliance on 03/06/2014. No HMBEP completed to date.

Violation Division: Long Beach Environmental Heath
Violation Program: HW
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-19-2013
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Long Beach Environmental Heath
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 09-07-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Long Beach Environmental Heath
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-19-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Re-inspection with no violations of a truck body and paint shop.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

J&P TRUCK BODY SHOP INC (Continued)

S106839770

Eval Division:	Long Beach Environmental Heath
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	03-21-2014
Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency
Eval Notes:	2ND FOLLOWUP TO 8/19/2013 ROUTINE
Eval Division:	Long Beach Environmental Heath
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	04-21-2014
Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency
Eval Notes:	3RD FOLLOWUP TO 8/19/2013 ROUTINE; REINSPECTION FEE OF \$220 ASSESSED
Eval Division:	Long Beach Environmental Heath
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-06-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Routine inspection with violations of a truck paint and body shop.
Eval Division:	Long Beach Environmental Heath
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	09-07-2016
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Re-inspection with no violations of an truck body and paint shop. Disposal records were available for their last paint related waste pickup.
Eval Division:	Long Beach Environmental Heath
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	10-17-2013
Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency
Eval Notes:	This facility needs a HMBEP, a new California IN Number and a paid CUPA permit.
Eval Division:	Long Beach Environmental Heath
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	03-06-2014
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Re-inspection with no violations of a truck body and paint shop that

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

J&P TRUCK BODY SHOP INC (Continued)

S106839770

is seeking a new business. The LB Business Lincense will be notified of the LBDHHS approval.

Eval Division: Long Beach Environmental Heath
Eval Program: HW
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 07-11-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Re-inspection with no violations of a truck chassis painting facility. Hazardous waste was recently disposed of and documentation retained for re-inspection. Housekeeping has significantly improved to eliminate potential fire hazards. Permission to inspect granted by Mrs. Silva.

Eval Division: Long Beach Environmental Heath
Eval Program: HW
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 05-21-2014
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: 4TH FOLLOWUP TO 8/19/2013 ROUTINE
Eval Division: Long Beach Environmental Heath
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-31-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Routine inspection with violations of a truck paint shop.
Eval Division: Long Beach Environmental Heath
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-04-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Long Beach Environmental Heath
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 09-28-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Long Beach Environmental Heath
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 12-20-2013

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

J&P TRUCK BODY SHOP INC (Continued)

S106839770

Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: FOLLOWUP TO 8/19/2013 ROUTINE
Eval Division: Long Beach Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Coordinates:

Site ID: 375981
Facility Name: J & P TRUCK BODY SHOP
Env Int Type Code: HMBP
Program ID: 10604059
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 33.783970
Longitude: -118.200250

Affiliation:

Affiliation Type Desc: CUPA District
Entity Name: Long Beach Environmental Health
Entity Title: Not reported
Affiliation Address: 2525 Grand Avenue
Affiliation City: Long Beach
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90815
Affiliation Phone: (562) 570-4131

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 655 W 14TH ST
Affiliation City: Long Beach
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90813
Affiliation Phone: Not reported

Affiliation Type Desc: Operator
Entity Name: Paola Silva
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (310) 528-9722

Affiliation Type Desc: Parent Corporation
Entity Name: J & P TRUCK BODY SHOP
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

J&P TRUCK BODY SHOP INC (Continued)

S106839770

Affiliation Phone: Not reported

Affiliation Type Desc: Document Preparer
Entity Name: Paola Silva
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Identification Signer
Entity Name: Paola Silva
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner
Entity Name: Jessica P Vega
Entity Title: Not reported
Affiliation Address: 1538 E Abri st
Affiliation City: Carson
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 90745
Affiliation Phone: (310) 347-8081

Affiliation Type Desc: Property Owner
Entity Name: Graham S Gill
Entity Title: Not reported
Affiliation Address: 1716 Clarck Ave
Affiliation City: Long Beach
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 90815
Affiliation Phone: (562) 354-2518

HWTS:

Name: J&P TRUCK BODY SHOP INC
Address: 655 W 14TH ST
Address 2: Not reported
City,State,Zip: LONG BEACH, CA 90813
EPA ID: CAL000390456
Inactive Date: Not reported
Create Date: 10/24/2013
Last Act Date: 12/06/2017
Mailing Name: Not reported
Mailing Address: 655 W 14TH ST
Mailing Address 2: Not reported
Mailing City,State,Zip: LONG BEACH, CA 908130000
Owner Name: JESSICA P VEGA

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

J&P TRUCK BODY SHOP INC (Continued)

S106839770

Owner Address: 655 W 14TH ST
Owner Address 2: Not reported
Owner City,State,Zip: LONG BEACH, CA 90813
Contact Name: ANA SILVA
Contact Address: 655 W 14TH ST
Contact Address 2: Not reported
City,State,Zip: LONG BEACH, CA 90813

NAICS:
EPA ID: CAL000390456
Create Date: 2013-10-24 13:17:56
NAICS Code: 811121
NAICS Description: Automotive Body, Paint, and Interior Repair and Maintenance
Issued EPA ID Date: 2013-10-24 13:17:56
Inactive Date: Not reported
Facility Name: J&P TRUCK BODY SHOP INC
Facility Address: 655 W 14TH ST
Facility Address 2: Not reported
Facility City: LONG BEACH
Facility County: 19
Facility State: CA
Facility Zip: 90813

O85
East
1/8-1/4
0.155 mi.
819 ft.

J&P TRUCK BODY SHOP INC
655 W 14TH ST
LONG BEACH, CA 90813

Site 6 of 6 in cluster O

RCRA NonGen / NLR 1024841018
CAL000390456

Relative:
Higher

Actual:
13 ft.

RCRA NonGen / NLR:
Date form received by agency: 2013-10-24 00:00:00.0
Facility name: J&P TRUCK BODY SHOP INC
Facility address: 655 W 14TH ST
LONG BEACH, CA 90813

EPA ID: CAL000390456
Contact: ANA SILVA
Contact address: 655 W 14TH ST
LONG BEACH, CA 90813

Contact country: Not reported
Contact telephone: 562-437-8081
Contact email: JPTRUCKBODYSHOP@YAHOO.COM
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: JESSICA P VEGA
Owner/operator address: 655 W 14TH ST
LONG BEACH, CA 90813

Owner/operator country: Not reported
Owner/operator telephone: 562-437-8081
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Owner
Owner/Op start date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

J&P TRUCK BODY SHOP INC (Continued)

1024841018

Owner/Op end date: Not reported

Owner/operator name: ANA SILVA
Owner/operator address: 655 W 14TH ST
LONG BEACH, CA 90813

Owner/operator country: Not reported
Owner/operator telephone: 562-437-8081
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: Yes
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

P86
NE
1/8-1/4
0.156 mi.
826 ft.

BOYD INDUSTRIAL COATINGS INC
651 W 15TH ST
LONG BEACH, CA 90813

Site 3 of 7 in cluster P

RCRA-SQG 1000183282
FINDS CAD981624018
ECHO
CA HAZNET
CA HWTS

Relative:
Higher

RCRA-SQG:

Actual:
13 ft.

Date form received by agency: 1987-02-06 00:00:00.0

Facility name: BOYD INDUSTRIAL COATINGS INC
Facility address: 651 W 15TH ST
LONG BEACH, CA 90813

EPA ID: CAD981624018
Mailing address: PO BOX 15488
LONG BEACH, CA 90815

Contact: ENVIRONMENTAL MANAGER
Contact address: 651 W 15TH ST
LONG BEACH, CA 90813

Contact country: US
Contact telephone: 213-436-6610
Contact email: Not reported

EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BOYD INDUSTRIAL COATINGS INC (Continued)

1000183282

hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: BOYD JACK
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002727871
Facility URL: http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110002727871

Environmental Interest/Information System:

RCRAInfo is a national information system that supports the Resource

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BOYD INDUSTRIAL COATINGS INC (Continued)

1000183282

Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1000183282
Registry ID: 110002727871
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110002727871>
Name: BOYD INDUSTRIAL COATINGS INC
Address: 651 W 15TH ST
City,State,Zip: LONG BEACH, CA 90813

HAZNET:

Name: BOYD INDUSTRIAL COATINGS INC
Address: 651 W 15TH ST
Address 2: Not reported
City,State,Zip: LONG BEACH, CA 908130000
Contact: --
Telephone: --
Mailing Name: Not reported
Mailing Address: PO BOX 15488

Year: 1994
Gepaid: CAD981624018
TSD EPA ID: CAD008252405
CA Waste Code: 461 - Paint sludge
Disposal Method: R01 - Recycler
Tons: 1.0425

Year: 1994
Gepaid: CAD981624018
TSD EPA ID: CAD008252405
CA Waste Code: 133 - Aqueous solution with total organic residues 10 percent or more
Disposal Method: R01 - Recycler
Tons: 0.2502

Year: 1994
Gepaid: CAD981624018
TSD EPA ID: CAD009452657
CA Waste Code: 213 - Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
Disposal Method: D99 - Disposal, Other
Tons: 1.4803

Year: 1992
Gepaid: CAD981624018
TSD EPA ID: CAT080011059
CA Waste Code: 214 - Unspecified solvent mixture
Disposal Method: H01 - Transfer Station
Tons: 0.4587

Year: 1991
Gepaid: CAD981624018

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BOYD INDUSTRIAL COATINGS INC (Continued)

1000183282

TSD EPA ID:	CNC111110005
CA Waste Code:	461 - Paint sludge
Disposal Method:	R01 - Recycler
Tons:	0.2259
Year:	1990
Gepaid:	CAD981624018
TSD EPA ID:	CNC111110005
CA Waste Code:	461 - Paint sludge
Disposal Method:	R01 - Recycler
Tons:	0.2085
Year:	1989
Gepaid:	CAD981624018
TSD EPA ID:	CNC111110000
CA Waste Code:	461 - Paint sludge
Disposal Method:	01 -
Tons:	5.7336
Year:	1987
Gepaid:	CAD981624018
TSD EPA ID:	CAD020748125
CA Waste Code:	272 - Polymeric resin waste
Disposal Method:	D80 - Disposal, Land Fill
Tons:	7.9
Year:	1987
Gepaid:	CAD981624018
TSD EPA ID:	CAD020748125
CA Waste Code:	512 - Other empty containers 30 gallons or more
Disposal Method:	D80 - Disposal, Land Fill
Tons:	0.8428

Additional Info:

Year:	1994
Gen EPA ID:	CAD981624018
Shipment Date:	19941018
Creation Date:	3/28/1996 0:00:00
Receipt Date:	19941018
Manifest ID:	92604100
Trans EPA ID:	CAD982513699
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008252405
TSDF Alt Name:	Not reported
CA Waste Code:	461 - Paint sludge
RCRA Code:	D001
Disposal Method:	R01 - Recycler
Quantity Tons:	1.0425
Waste Quantity:	250
Quantity Unit:	G
Additional Code 1:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BOYD INDUSTRIAL COATINGS INC (Continued)

1000183282

Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 19941018
Creation Date: 3/28/1996 0:00:00
Receipt Date: 19941018
Manifest ID: 92604100
Trans EPA ID: CAD982513699
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD008252405
Trans Name: Not reported
TSDF Alt EPA ID: CAD008252405
TSDF Alt Name: Not reported
CA Waste Code: 133 - Aqueous solution with 10% or more total organic residues
RCRA Code: Not reported
Disposal Method: R01 - Recycler
Quantity Tons: 0.2502
Waste Quantity: 60
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 19940201
Creation Date: 9/15/1995 0:00:00
Receipt Date: 19940203
Manifest ID: 92247373
Trans EPA ID: CAT000624247
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD009452657
Trans Name: Not reported
TSDF Alt EPA ID: CAD009452657
TSDF Alt Name: Not reported
CA Waste Code: 213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code: D001
Disposal Method: D99 - Disposal, Other
Quantity Tons: 1.4803
Waste Quantity: 355
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

HWTS:

Name: BOYD INDUSTRIAL COATINGS INC
Address: 651 W 15TH ST
Address 2: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BOYD INDUSTRIAL COATINGS INC (Continued)

1000183282

City,State,Zip: LONG BEACH, CA 908130000
EPA ID: CAD981624018
Inactive Date: 06/30/1993
Create Date: 07/03/1987
Last Act Date: 08/10/2004
Mailing Name: Not reported
Mailing Address: PO BOX 15488
Mailing Address 2: Not reported
Mailing City,State,Zip: LONG BEACH, CA 908150000
Owner Name: --
Owner Address: --
Owner Address 2: Not reported
Owner City,State,Zip: --, 99 --
Contact Name: --
Contact Address: UNDELIVERABLE FEE FORM 1993
Contact Address 2: Not reported
City,State,Zip: --, 99 --

N87
ESE
1/8-1/4
0.159 mi.
841 ft.
ARATEX SERVICES
702 ANAHEIM
LONG BEACH, CA 90813
Site 5 of 5 in cluster N

CA CPS-SLIC S103546802
N/A

Relative: SLIC REG 4:
Lower Region: 4
Actual: Facility Status: Remediation
12 ft. SLIC: 0678
Substance: VOCs
Staff: Jenny Au

R88
NNE
1/8-1/4
0.162 mi.
856 ft.
0741 W 17TH ST
LONG BEACH, CA
Site 1 of 6 in cluster R

CA UST U003919709
N/A

Relative: LONG BEACH UST:
Higher DATA AS OF 02/25/2014:
Actual: Name: Not reported
18 ft. Address: 0741 W 17TH ST
City,State,Zip: LONG BEACH, CA
Region: LONG BEACH
Tanks: 0F
Tank Test: Not reported
Leak Test: Not reported
Tank Status: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

R89
NNE
1/8-1/4
0.162 mi.
856 ft.
THOMPSON FAMILY TRUST PROP
741 W 17TH ST
LONG BEACH, CA 90813
Site 2 of 6 in cluster R

RCRA-SQG
CA HAZNET
CA CERS
CA HWTS
1007879224
CAR000158105

Relative:
Higher
Actual:
18 ft.

RCRA-SQG:
Date form received by agency: 2004-10-26 00:00:00.0
Facility name: THOMPSON FAMILY TRUST PROP
Facility address: 741 W 17TH ST
LONG BEACH, CA 90813-1414
EPA ID: CAR000158105
Mailing address: 21106 PRESIDENT POINT RD
KINGSTON, WA 98346
Contact: LEE THOMPSON
Contact address: 21106 PRESIDENT POINT RD
KINGSTON, WA 98346
Contact country: US
Contact telephone: 360-297-7893
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: THOMPSON TRUST
Owner/operator address: 21106 PRESIDENT POINT RD
KINGSTON, WA 98346
Owner/operator country: US
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 1999-09-15 00:00:00.
Owner/Op end date: Not reported

Owner/operator name: J AND D EXPRESS
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 1992-06-01 00:00:00.
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THOMPSON FAMILY TRUST PROP (Continued)

1007879224

Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 2004-10-26 00:00:00.0
Site name: THOMPSON FAMILY TRUST PROP
Classification: Small Quantity Generator

Hazardous Waste Summary:

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D039
. Waste name: TETRACHLOROETHYLENE

. Waste code: D040
. Waste name: TRICHLORETHYLENE

Violation Status: No violations found

HAZNET:

Name: THOMPSON FAMILY TRUST PROPERTY
Address: 741 W 17TH ST
Address 2: Not reported
City,State,Zip: LONG BEACH, CA 908131414
Contact: LEE THOMPSON
Telephone: 9413515080
Mailing Name: Not reported
Mailing Address: 7051 STANHOPE PL

Year: 2005
Gepaid: CAR000158105
TSD EPA ID: NVT330010000
CA Waste Code: 171 - Metal sludge (Alkaline solution (pH >= 12.5) with metals)
Disposal Method: D80 - Disposal, Land Fill
Tons: 8.428

Year: 2004
Gepaid: CAR000158105
TSD EPA ID: CAD028409019
CA Waste Code: 223 - Unspecified oil-containing waste
Disposal Method: H01 - Transfer Station

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THOMPSON FAMILY TRUST PROP (Continued)

1007879224

Tons: 0.6255

Additional Info:

Year: 2004
Gen EPA ID: CAR000158105

Shipment Date: 20041229
Creation Date: 3/17/2005 18:34:39
Receipt Date: 20041230
Manifest ID: 24076916
Trans EPA ID: CAR000056630
Trans Name: PACIFIC TECHNICAL SERVICES
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD028409019
Trans Name: CROSBY & OVERTON
TSDf Alt EPA ID: CAD028409019
TSDf Alt Name: Not reported
CA Waste Code: 223 - Unspecified oil-containing waste
RCRA Code: NR
Disposal Method: H01 - Transfer Station
Quantity Tons: 0.6255
Waste Quantity: 150
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:

Year: 2005
Gen EPA ID: CAR000158105

Shipment Date: 20050106
Creation Date: 3/17/2005 18:34:39
Receipt Date: 20050107
Manifest ID: 24076920
Trans EPA ID: CAR000056630
Trans Name: PACIFIC TECHNICAL SERVICES
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: NVT330010000
Trans Name: US ECOLOGY
TSDf Alt EPA ID: NVT330010000
TSDf Alt Name: Not reported
CA Waste Code: 171 - Metal sludge (see 121
RCRA Code: NR
Disposal Method: D80 - Disposal, Land Fill
Quantity Tons: 8.428
Waste Quantity: 10
Quantity Unit: Y
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THOMPSON FAMILY TRUST PROP (Continued)

1007879224

Additional Code 4: Not reported
Additional Code 5: Not reported

CERS:

Name: WESTERN MARITIME EXPRESS
Address: 741 W 17TH ST
City,State,Zip: LONG BEACH, CA 90813
Site ID: 358002
CERS ID: 10643581
CERS Description: Chemical Storage Facilities

Violations:

Site ID: 358002
Site Name: Western Maritime Express
Violation Date: 09-17-2015
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description: Business Plan Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 02/04/2016. OBTAIN CUPA AND FIRE PERMIT FOR PROPANE STORAGE.
Violation Division: Long Beach Environmental Heath
Violation Program: HMRRP
Violation Source: CERS

Site ID: 358002
Site Name: Western Maritime Express
Violation Date: 09-17-2015
Citation: HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description: Failure to annually review and electronically certify that the business plan is complete, accurate, and up-to-date.
Violation Notes: Returned to compliance on 02/04/2016.
Violation Division: Long Beach Environmental Heath
Violation Program: HMRRP
Violation Source: CERS

Evaluation:

Eval General Type: Other/Unknown
Eval Date: 01-28-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: 2ND REINSPECTION FOLLOWING 9/17/2015 ROUTINE. TWO PREVIOUS VIOLATIONS ARE OUTSTANDING. VIOLATIONS CORRECTED 2/4/2016.
Eval Division: Long Beach Environmental Heath
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-17-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Long Beach Environmental Heath
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THOMPSON FAMILY TRUST PROP (Continued)

1007879224

Eval Date: 12-16-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: REINSPECTION FOLLOWING 9/17/2015 ROUTINE. TWO PREVIOUS VIOLATIONS OUTSTANDING. VIOLATIONS CORRECTED 2/4/2016.
Eval Division: Long Beach Environmental Heath
Eval Program: HMRRP
Eval Source: CERS

Coordinates:
Site ID: 358002
Facility Name: Western Maritime Express
Env Int Type Code: HMBP
Program ID: 10643581
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 33.787940
Longitude: -118.201510

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: Long Beach Environmental Heath
Entity Title: Not reported
Affiliation Address: 2525 Grand Avenue
Affiliation City: Long Beach
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90815
Affiliation Phone: (562) 570-4131

Affiliation Type Desc: Environmental Contact
Entity Name: Bryan Biehn
Entity Title: Not reported
Affiliation Address: 741 W 17th St
Affiliation City: Long Beach
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90813
Affiliation Phone: Not reported

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 741 West 17th St
Affiliation City: Long Beach
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90813
Affiliation Phone: Not reported

Affiliation Type Desc: Identification Signer
Entity Name: Bryan Biehn
Entity Title: Warehouse Manager
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THOMPSON FAMILY TRUST PROP (Continued)

1007879224

Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Operator
Entity Name: Joshua Crissman
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (562) 307-2431

Affiliation Type Desc: Parent Corporation
Entity Name: Western Maritime Express
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Document Preparer
Entity Name: Bryan Biehn
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner
Entity Name: Joshua Crissman
Entity Title: Not reported
Affiliation Address: 741 West 17th St
Affiliation City: Long Beach
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 90813
Affiliation Phone: (562) 436-7100

Name: RICKER METALS, INC.
Address: 741 W 17TH ST
City,State,Zip: LONG BEACH, CA 90813
Site ID: 369842
CERS ID: 10671634
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 369842
Site Name: Richker Metals, Inc.
Violation Date: 08-24-2016
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THOMPSON FAMILY TRUST PROP (Continued)

1007879224

Violation Description: Business Plan Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 09/20/2016. OBTAIN CUPA PERMIT FOR HAZARDOUS MATERIALS DISCLOSURE.
Violation Division: Long Beach Environmental Heath
Violation Program: HMRRP
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-24-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Long Beach Environmental Heath
Eval Program: HMRRP
Eval Source: CERS

Coordinates:
Site ID: 369842
Facility Name: Richker Metals, Inc.
Env Int Type Code: HMBP
Program ID: 10671634
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 33.787940
Longitude: -118.201510

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: Long Beach Environmental Heath
Entity Title: Not reported
Affiliation Address: 2525 Grand Avenue
Affiliation City: Long Beach
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90815
Affiliation Phone: (562) 570-4131

Affiliation Type Desc: Document Preparer
Entity Name: Russ Richker
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Identification Signer
Entity Name: Russ Richker
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THOMPSON FAMILY TRUST PROP (Continued)

1007879224

Affiliation Phone: Not reported

Affiliation Type Desc: Operator
Entity Name: RUSS RICHKER
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (310) 560-3535

Affiliation Type Desc: Parent Corporation
Entity Name: Richker Metals, Inc.
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner
Entity Name: RUSS RICHKER
Entity Title: Not reported
Affiliation Address: 2932 DANALDA DRIVE
Affiliation City: LOS ANGELES
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 90064
Affiliation Phone: (310) 559-3535

Affiliation Type Desc: Environmental Contact
Entity Name: Peter Krasnoff
Entity Title: Not reported
Affiliation Address: 711 GRAND AVE, SUITE 220
Affiliation City: SAN RAFAEL
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 94901
Affiliation Phone: Not reported

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 741 W 17TH STREET
Affiliation City: LONG BEACH
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90813
Affiliation Phone: Not reported

HWTS:

Name: THOMPSON FAMILY TRUST PROPERTY
Address: 741 W 17TH ST
Address 2: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THOMPSON FAMILY TRUST PROP (Continued)

1007879224

City,State,Zip: LONG BEACH, CA 908131414
EPA ID: CAR000158105
Inactive Date: 06/30/2008
Create Date: 12/30/2004
Last Act Date: 04/23/2009
Mailing Name: Not reported
Mailing Address: 7051 STANHOPE PL
Mailing Address 2: PMB 202
Mailing City,State,Zip: UNIVERSITY PARK, FL 342012263
Owner Name: THOMPSON FAMILY TRUST
Owner Address: 7051 STANHOPE PL
Owner Address 2: PMB 202
Owner City,State,Zip: UNIVERSITY PARK, FL 342012263
Contact Name: LEE THOMPSON
Contact Address: 7051 STANHOPE PL
Contact Address 2: PMB 202
City,State,Zip: UNIVERSITY PARK, FL 342012263

NAICS:

EPA ID: CAR000158105
Create Date: 2008-03-20 15:51:28
NAICS Code: 52592
NAICS Description: Trusts, Estates, and Agency Accounts
Issued EPA ID Date: 2004-12-30 14:43:03
Inactive Date: 2008-06-30 00:00:00
Facility Name: THOMPSON FAMILY TRUST PROPERTY
Facility Address: 741 W 17TH ST
Facility Address 2: Not reported
Facility City: LONG BEACH
Facility County: 19
Facility State: CA
Facility Zip: 908131414

R90
NNE
1/8-1/4
0.162 mi.
856 ft.

THOMPSON FAMILY TRUST
741 WEST 17 TH STREET
LONG BEACH, CA

CA CPS-SLIC **S106568475**
CA CERS **N/A**

Site 3 of 6 in cluster R

Relative:
Higher

CPS-SLIC:

Actual:
18 ft.

Name: THOMPSON FAMILY TRUST
Address: 741 WEST 17 TH STREET
City,State,Zip: LONG BEACH, CA
Region: STATE
Facility Status: **Open - Site Assessment**
Status Date: 07/22/2015
Global Id: SL0603753707
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number: Not reported
Latitude: 33.7881991018741
Longitude: -118.201785630619
Case Type: Cleanup Program Site
Case Worker: CL
Local Agency: Not reported
RB Case Number: 1157
File Location: Regional Board
Potential Media Affected: Aquifer used for drinking water supply, Indoor Air, Other Groundwater

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THOMPSON FAMILY TRUST (Continued)

S106568475

(uses other than drinking water), Soil, Soil Vapor, Under Investigation
Potential Contaminants of Concern: * Chlorinated Solvents - PCE, * Chlorinated Solvents - TCE, * Metals/Heavy Metals - Chromium 6
Site History: The site, located on the north side of West 17th Street between Oregon Ave and San Francisco Ave in the City of Long Beach, is currently a warehouse facility. Previous uses at the site have impacted groundwater at the site with metals and volatile organic compounds.

[Click here to access the California GeoTracker records for this facility:](#)

CERS:

Name: THOMPSON FAMILY TRUST
Address: 741 WEST 17 TH STREET
City,State,Zip: LONG BEACH, CA
Site ID: 258464
CERS ID: SL0603753707
CERS Description: Cleanup Program Site

Affiliation:

Affiliation Type Desc: Regional Board Caseworker
Entity Name: CARLOS LANDAVERDE - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: 320 West 4th Street
Affiliation City: LOS ANGELES
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 2136206070

S91
South
1/8-1/4
0.165 mi.
870 ft.

1120 DE FOREST AVE
LONG BEACH, CA 90813

Site 1 of 3 in cluster S

RCRA NonGen / NLR 1025873885
CAL000447014

Relative:
Lower

RCRA NonGen / NLR:

Actual:
12 ft.

Date form received by agency: 2019-06-26 00:00:00.0
Facility name: Not reported
Facility address: 1120 DE FOREST AVE
LONG BEACH, CA 90813
EPA ID: CAL000447014
Contact: TERESA MATUS
Contact address: 1120 DE FOREST AVE
LONG BEACH, CA 90813
Contact country: Not reported
Contact telephone: 562-432-5200
Contact email: TERESA@MATUSINTL.COM
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: TERESA MATUS
Owner/operator address: 1120 DE FOREST AVE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

1025873885

LONG BEACH, CA 90813

Owner/operator country: Not reported
Owner/operator telephone: 562-432-5200
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: MATUS INTERNATIONAL INC
Owner/operator address: 10255 NW 116TH WAY STE 3
MEDLEY, FL 33178

Owner/operator country: Not reported
Owner/operator telephone: 310-930-6793
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: Yes
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

Q92
SE
1/8-1/4
0.165 mi.
873 ft.

AMERICAN BUFFALO INC
0702 W ANAHEIM ST
LONG BEACH, CA
Site 2 of 4 in cluster Q

CA UST U003660149
N/A

Relative:
Higher
Actual:
13 ft.

LONG BEACH UST:
DATA AS OF 02/25/2014:
Name: AMERICAN BUFFALO INC
Address: 0702 W ANAHEIM ST
City,State,Zip: LONG BEACH, CA
Region: LONG BEACH
Tanks: 0T
Tank Test: Not reported
Leak Test: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AMERICAN BUFFALO INC (Continued)

U003660149

Tank Status: Not reported

Q93
SE
1/8-1/4
0.165 mi.
873 ft.

ARAMARK UNIFORM SERVICES
702 WEST ANAHEIM STREET
LONG BEACH, CA 90813

Site 3 of 4 in cluster Q

CA CPS-SLIC
CA HAZNET
CA CERS
CA HWTS

S113036843
N/A

Relative:
Higher
Actual:
13 ft.

CPS-SLIC:

Name:

Address:

City,State,Zip:

Region:

Facility Status:

Status Date:

Global Id:

Lead Agency:

Lead Agency Case Number:

Latitude:

Longitude:

Case Type:

Case Worker:

Local Agency:

RB Case Number:

File Location:

Potential Media Affected:

Potential Contaminants of Concern:

Site History:

ARATEX SERVICES INC

702 WEST ANAHEIM STREET

LONG BEACH, CA 90813

STATE

Open - Remediation

08/16/2013

SL204FH2430

LOS ANGELES RWQCB (REGION 4)

Not reported

33.7821792846523

-118.200488090515

Cleanup Program Site

Not reported

Not reported

0678

Regional Board

Aquifer used for drinking water supply, Indoor Air, Soil, Soil Vapor

Tetrachloroethylene (PCE), Trichloroethylene (TCE), Vinyl chloride

The property is currently vacant The property is occupied by two

buildings. Historically, the main laundry facility was located on the

west and the auxiliary building was on the east. The area between the

two buildings is covered by asphalt pavement. Adjacent to the main

building on the west, there is a sump. The past operations and uses

of the sump are unknown. Three underground storage tanks (USTs) and

one above-ground storage tank (AST) were present at the site prior to

ARAMARKS purchase in 1986. USTs included a 6,000-gallon diesel, a

550-gallon gasoline, and a Stoddard solvent UST of unknown size. The

AST contained tetrachloroethylene (PCE) and had a capacity of 1,000

gallons. In 1982, the diesel and gasoline USTs and PCE AST were

removed. Later, the Stoddard solvent UST was filled with concrete and

pea gravel and abandoned in-place. The exact date of the Stoddard

solvent UST abandonment is unknown but occurred prior to 1986.

Several soil and groundwater investigations have been conducted at

the site since 1987. Soil and groundwater have been impacted with

chlorinated volatile organic compounds, petroleum hydrocarbons,

benzene, toluene, ethylbenzene and xylenes (BTEX). Highest historical

soil concentrations include 28,000 micrograms per kilogram (%g/kg) of

PCE, 1,200 %g/kg of cis-1,2-dichloroethylene (c-1,2-DCE), 2,300 %g/kg

of benzene, and 12,000 %g/kg of total petroleum hydrocarbons. Initial

groundwater investigations in 1988 detected concentrations of

benzene, trans-1,2-DCE, and PCE up to 1,600, 7,240, and 8,350

micrograms per liter (%g/L), respectively. A groundwater pump and

treat system operated at the site from 1994 to 2002, pumping

groundwater through a shallow tray air stripper and two granular

activated carbon units prior to discharge at the storm drain, under

the National Pollutant Discharge Elimination System (NPDES) permit

No. CA0063045. Groundwater monitoring has been conducted since 1987.

In general, concentrations of chlorinated volatile organic compounds

in groundwater have decreased due to the operation of remediation

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ARAMARK UNIFORM SERVICES (Continued)

S113036843

system, except for vinyl chloride. Maximum groundwater concentrations in the second quarter of 2008 include PCE at 450 %g/L, TCE at 120 %g/L, , cis-1,2-DCE at 59 %g/L, vinyl chloride at 600 %g/L, benzene at 33 %g/L, and chlorobenzene at 47 %g/L . There are currently 7 groundwater monitoring wells on the property. Four groundwater monitoring wells are scattered around the property, across Orange Avenue, and across West Anaheim Street. The groundwater monitoring wells are screened differently based on when they were installed. A soil vapor extraction system is operating at the site since 2011. Amendments were injected in groundwater for cleanup in 2013-2014. Groundwater monitoring is on-going. The site is a used as Thrift store.

[Click here to access the California GeoTracker records for this facility:](#)

HAZNET:

Name:	ARAMARK UNIFORM SERVICES
Address:	702 WEST ANAHEIM STREET
Address 2:	Not reported
City,State,Zip:	LONG BEACH, CA 908130000
Contact:	TOM DIKOS
Telephone:	6302712979
Mailing Name:	Not reported
Mailing Address:	2300 WARRENVILLE ROAD
Year:	1997
Gepaid:	CAL000038236
TSD EPA ID:	CAD008364432
CA Waste Code:	133 - Aqueous solution with total organic residues 10 percent or more
Disposal Method:	T01 - Treatment, Tank
Tons:	0.688
Year:	1997
Gepaid:	CAL000038236
TSD EPA ID:	CAD008364432
CA Waste Code:	211 - Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)
Disposal Method:	T01 - Treatment, Tank
Tons:	0.7297
Year:	1992
Gepaid:	CAL000038236
TSD EPA ID:	CAD000633164
CA Waste Code:	211 - Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)
Disposal Method:	D80 - Disposal, Land Fill
Tons:	5
Year:	1990
Gepaid:	CAL000038236
TSD EPA ID:	WAD009477175
CA Waste Code:	351 - Organic solids with halogens
Disposal Method:	01 -
Tons:	0.2

Additional Info:

Year: 1997

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ARAMARK UNIFORM SERVICES (Continued)

S113036843

Gen EPA ID: CAL000038236

Shipment Date: 19970912
Creation Date: 7/23/1998 0:00:00
Receipt Date: 19970916
Manifest ID: 96603695
Trans EPA ID: CAR000017657
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD008364432
Trans Name: Not reported
TSDf Alt EPA ID: CAD008364432
TSDf Alt Name: Not reported
CA Waste Code: 133 - Aqueous solution with 10% or more total organic residues
RCRA Code: Not reported
Disposal Method: T01 - Treatment, Tank
Quantity Tons: 0.688
Waste Quantity: 165
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 19970910
Creation Date: 7/23/1998 0:00:00
Receipt Date: 19970916
Manifest ID: 96603609
Trans EPA ID: CAR000017657
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD008364432
Trans Name: Not reported
TSDf Alt EPA ID: CAD008364432
TSDf Alt Name: Not reported
CA Waste Code: 211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.
RCRA Code: F001
Disposal Method: T01 - Treatment, Tank
Quantity Tons: 0.7297
Waste Quantity: 175
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

CERS:

Name: ARATEX SERVICES INC
Address: 702 WEST ANAHEIM STREET
City,State,Zip: LONG BEACH, CA 90813
Site ID: 189328
CERS ID: SL204FH2430

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ARAMARK UNIFORM SERVICES (Continued)

S113036843

CERS Description: Cleanup Program Site

Affiliation:

Affiliation Type Desc: Regional Board Caseworker

Entity Name: KEVIN LIN - LOS ANGELES RWQCB (REGION 4)

Entity Title: Not reported

Affiliation Address: 340 W 4th St, Ste 200

Affiliation City: LOS ANGELES

Affiliation State: CA

Affiliation Country: Not reported

Affiliation Zip: Not reported

Affiliation Phone: 2135766781

HWTS:

Name: ARAMARK UNIFORM SERVICES

Address: 702 WEST ANAHEIM STREET

Address 2: Not reported

City,State,Zip: LONG BEACH, CA 908130000

EPA ID: CAL000038236

Inactive Date: 06/30/2005

Create Date: 02/15/1991

Last Act Date: 09/27/2005

Mailing Name: ARAMARK UNIFORM & CAREER APPAREL, I

Mailing Address: 2300 WARRENVILLE ROAD

Mailing Address 2: Not reported

Mailing City,State,Zip: DOWNERS GROVE, IL 605151765

Owner Name: ARAMARK UNIFORM & CAREER

Owner Address: 115 N FIRST STREET

Owner Address 2: Not reported

Owner City,State,Zip: BURBANK, CA 915020000

Contact Name: TOM DIKOS

Contact Address: 2300 WARRENVILLE ROAD

Contact Address 2: Not reported

City,State,Zip: DOWNERS GROVE, IL 605151765

NAICS:

EPA ID: CAL000038236

Create Date: 2002-03-14 16:36:27

NAICS Code: 812332

NAICS Description: Industrial Launderers

Issued EPA ID Date: 1991-02-15 00:00:00

Inactive Date: 2005-06-30 15:01:00

Facility Name: ARAMARK UNIFORM SERVICES

Facility Address: 702 WEST ANAHEIM STREET

Facility Address 2: Not reported

Facility City: LONG BEACH

Facility County: 19

Facility State: CA

Facility Zip: 908130000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

Map ID Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number
Q94 SE 1/8-1/4 0.165 mi. 873 ft.	ARAMARK UNIFORM & CAREER APPAREL LLC 702 W. ANAHEIM ST. LONG BEACH, CA 90813 Site 4 of 4 in cluster Q	RCRA NonGen / NLR	1008194413 CAD982030140
Relative: Higher	RCRA NonGen / NLR: Date form received by agency: 2018-02-22 00:00:00.0		
Actual: 13 ft.	Facility name: ARAMARK UNIFORM & CAREER APPAREL LLC Facility address: 702 W. ANAHEIM ST. LONG BEACH, CA 90813-2820 EPA ID: CAD982030140 Mailing address: S. MERIDIAN ST. SUITE 1A INDIANAPOLIS, IN 46217 Contact: BECKY ARMBRUSTER Contact address: S. MERIDIAN STREET SUITE 1A INDIANAPOLIS, IN 46217 Contact country: US Contact telephone: 317-682-0552 Contact email: ARMBRUSTER-REBECCA@ARAMARK.COM EPA Region: 09 Classification: Non-Generator Description: Handler: Non-Generators do not presently generate hazardous waste		
	Owner/Operator Summary: Owner/operator name: MIGHTY WHITEY, LLC Owner/operator address: Not reported Not reported Owner/operator country: US Owner/operator telephone: Not reported Owner/operator email: Not reported Owner/operator fax: Not reported Owner/operator extension: Not reported Legal status: Private Owner/Operator Type: Operator Owner/Op start date: 2003-03-01 00:00:00. Owner/Op end date: Not reported Owner/operator name: LONG BEACH RESCUE MISSION Owner/operator address: PACIFIC AVE. LONG BEACH, CA 90813 Owner/operator country: US Owner/operator telephone: 562-591-1292 Owner/operator email: RPROBST@LBRM.ORG Owner/operator fax: Not reported Owner/operator extension: Not reported Legal status: Private Owner/Operator Type: Operator Owner/Op start date: 2014-03-04 00:00:00. Owner/Op end date: Not reported Owner/operator name: LONG BEACH RESCUE MISSION Owner/operator address: PACIFIC AVE. LONG BEACH, CA 90813 Owner/operator country: US Owner/operator telephone: 562-591-1292 Owner/operator email: RPROBST@LBRM.ORG Owner/operator fax: Not reported		

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ARAMARK UNIFORM & CAREER APPAREL LLC (Continued)

1008194413

Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 2014-03-04 00:00:00.
Owner/Op end date: Not reported

Owner/operator name: MIGHTY WHITEY, LLC
Owner/operator address: 702 W. ANAHEIM STREET
LONG BEACH, CA 90813
Owner/operator country: US
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 2003-03-01 00:00:00.
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 2014-03-01 00:00:00.0
Site name: ARAMARK UNIFORM & CAREER APPAREL
Classification: Large Quantity Generator

Date form received by agency: 2004-02-18 00:00:00.0
Site name: ARAMARK UNIFORM & CAREER APPAREL, INC.
Classification: Large Quantity Generator

Date form received by agency: 2004-02-18 00:00:00.0
Site name: ARAMARK UNIFORM & CAREER APPAREL, INC.
Classification: Small Quantity Generator

Date form received by agency: 2003-04-15 00:00:00.0
Site name: ARAMARK UNIFORM AND CAREER APPAREL INC
Classification: Large Quantity Generator

Date form received by agency: 1996-09-01 00:00:00.0
Site name: SERVISCO
Classification: Small Quantity Generator

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ARAMARK UNIFORM & CAREER APPAREL LLC (Continued)

1008194413

Hazardous Waste Summary:

- . Waste code: 134
- . Waste name: Aqueous solution with <10% total organic residues

- . Waste code: D039
- . Waste name: TETRACHLOROETHYLENE

- . Waste code: D043
- . Waste name: VINYL CHLORIDE

- . Waste code: F002
- . Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Violation Status: No violations found

**T95
NE
1/8-1/4
0.168 mi.
887 ft.**

**VACANT
0640 W 16TH ST
LONG BEACH, CA
Site 1 of 2 in cluster T**

**CA UST U003920371
N/A**

**Relative:
Higher**

LONG BEACH UST:

**Actual:
15 ft.**

DATA AS OF 02/25/2014:

Name: VACANT
Address: 0640 W 16TH ST
City,State,Zip: LONG BEACH, CA
Region: LONG BEACH
Tanks: 0T
Tank Test: Not reported
Leak Test: Not reported
Tank Status: Not reported

**T96
NE
1/8-1/4
0.169 mi.
892 ft.**

**A & D AUTO REBUILDERS
1600 OREGON AVE
LONG BEACH, CA 90813
Site 2 of 2 in cluster T**

**CA CERS HAZ WASTE S118234754
CA HAZNET N/A
CA CERS
CA HWTS**

**Relative:
Higher**

CERS HAZ WASTE:

**Actual:
17 ft.**

Name: A & D AUTO REBUILD (HC00004654)
Address: 1600 OREGON AVE
City,State,Zip: LONG BEACH, CA 90813
Site ID: 408111
CERS ID: 10613257
CERS Description: Hazardous Waste Generator

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A & D AUTO REBUILDERS (Continued)

S118234754

HAZNET:

Name: A & D AUTO REBUILDERS
Address: 1600 OREGON AVE
Address 2: Not reported
City,State,Zip: LONG BEACH, CA 90813
Contact: DAGOBERTO MARCILLA
Telephone: 5624957371
Mailing Name: Not reported
Mailing Address: 1600 OREGON AVE

Year: 2017
Gepaid: CAL000392279
TSD EPA ID: AZR000501510
CA Waste Code: 352 - Other organic solids
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No
Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.4

Year: 2015
Gepaid: CAL000392279
TSD EPA ID: CAD099452708
CA Waste Code: 133 - Aqueous solution with total organic residues 10 percent or more
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid
Regeneration, Organics Recovery Ect
Tons: 0.0834

Year: 2015
Gepaid: CAL000392279
TSD EPA ID: AZR000501510
CA Waste Code: 352 - Other organic solids
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No
Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.2

Year: 2014
Gepaid: CAL000392279
TSD EPA ID: CAD099452708
CA Waste Code: 133 - Aqueous solution with total organic residues 10 percent or more
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid
Regeneration, Organics Recovery Ect
Tons: 0.0834

Additional Info:

Year: 2015
Gen EPA ID: CAL000392279

Shipment Date: 20151112
Creation Date: 2/10/2016 22:15:22
Receipt Date: 20151113
Manifest ID: 002978358GBF
Trans EPA ID: ILR000130062
Trans Name: HERITAGE-CRYSTAL CLEAN LLC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD099452708

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A & D AUTO REBUILDERS (Continued)

S118234754

Trans Name: INDUSTRIAL SERVICE OIL COMPANY INC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: 133 - Aqueous solution with 10% or more total organic residues
RCRA Code: Not reported
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid
Regeneration, Organics Recovery Ect
Quantity Tons: 0.0834
Waste Quantity: 20
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20151028
Creation Date: 5/4/2016 22:15:48
Receipt Date: 20151108
Manifest ID: 002509339GBF
Trans EPA ID: CAD981634363
Trans Name: RICARDO D TADEO WASTE OIL SERVICE
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: AZR000501510
Trans Name: AA SYDCOL LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: 352 - Other organic solids
RCRA Code: Not reported
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No
Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.2
Waste Quantity: 400
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 2014
Gen EPA ID: CAL000392279

Shipment Date: 20140930
Creation Date: 6/24/2015 22:15:33
Receipt Date: 20141006
Manifest ID: 002508946GBF
Trans EPA ID: CAD981634363
Trans Name: RICARDO D TADEO WASTE OIL SERVICE
Trans 2 EPA ID: CAD980585293
Trans 2 Name: INDUSTRIAL WASTE UTILIZATION INC
TSDF EPA ID: AZR000501510
Trans Name: AA SYDCOL LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A & D AUTO REBUILDERS (Continued)

S118234754

CA Waste Code:	352 - Other organic solids
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.4
Waste Quantity:	800
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140915
Creation Date:	11/11/2014 22:15:12
Receipt Date:	20140916
Manifest ID:	002534604GBF
Trans EPA ID:	ILR000130062
Trans Name:	HERITAGE-CRYSTAL CLEAN LLC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL COMPANY INC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
CA Waste Code:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.0834
Waste Quantity:	20
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Additional Info:	
Year:	2017
Gen EPA ID:	CAL000392279
Shipment Date:	20170914
Creation Date:	7/21/2018 18:30:10
Receipt Date:	20170920
Manifest ID:	003290369GBF
Trans EPA ID:	CAD981634363
Trans Name:	RICARDO D TADEO WASTE OIL SERVICES
Trans 2 EPA ID:	CAD980585293
Trans 2 Name:	INDUSTRIAL WASTE UTILIZATION
TSDf EPA ID:	AZR000501510
Trans Name:	AA SYDCOL
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A & D AUTO REBUILDERS (Continued)

S118234754

Quantity Tons:	Treatment/Reovery (H010-H129) Or (H131-H135)
Waste Quantity:	0.4
Quantity Unit:	800
Additional Code 1:	P
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

CERS:

Name:	A & D AUTO REBUILD (HC00004654)
Address:	1600 OREGON AVE
City,State,Zip:	LONG BEACH, CA 90813
Site ID:	408111
CERS ID:	10613257
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	408111
Site Name:	A & D AUTO REBUILD (HC00004654)
Violation Date:	10-15-2013
Citation:	HSC 6.95 25503.5(a) - California Health and Safety Code, Chapter 6.95, Section(s) 25503.5(a)
Violation Description:	Owner/Operator failed to establish and implement a Hazardous Materials Business Plan when storing hazardous materials at or above the thresholds quantities of 55 gallons/500 lbs/200 cubic feet. Returned to compliance on 04/24/2014.
Violation Notes:	
Violation Division:	Long Beach Environmental Heath
Violation Program:	HMRRP
Violation Source:	CERS

Site ID:	408111
Site Name:	A & D AUTO REBUILD (HC00004654)
Violation Date:	12-19-2013
Citation:	22 CCR 12 66262.12 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.12

Violation Description:	Failure to obtain and/or maintain an Active EPA ID.
Violation Notes:	Returned to compliance on 03/06/2014. This facility needs a new California EPA ID number with new address referenced.

Violation Division:	Long Beach Environmental Heath
Violation Program:	HW
Violation Source:	CERS

Site ID:	408111
Site Name:	A & D AUTO REBUILD (HC00004654)
Violation Date:	08-26-2019
Citation:	HSC 6.5 25123.3(h)(1) - California Health and Safety Code, Chapter 6.5, Section(s) 25123.3(h)(1)

Violation Description:	Failure to send hazardous waste offsite for treatment, storage, or disposal within 180 days (or 270 days if waste is transported over 200 miles) for a generator who generates less than 1000 kilogram per month if all of the following conditions are met: (1) The quantity of hazardous waste accumulated onsite never exceeds 6,000 kilograms. (2) The generator complies with the requirements of 40 Code of Federal Regulations section 262.34(d), (e) and (f). (3) The generator does not hold acutely hazardous waste or extremely hazardous waste in an amount
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Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A & D AUTO REBUILDERS (Continued)

S118234754

Violation Notes: greater than one kilogram for more than 90 days.
Returned to compliance on 09/30/2019. This facility has exceeded the 180 day accumulation time limit for storing hazardous waste on site. Consolidate all containers of used oil and used grease and schedule their disposal as soon as feasible. Do not accumulate more than three drums of used oil and one drum of used grease on site at any time.

Violation Division: Long Beach Environmental Heath
Violation Program: HW
Violation Source: CERS

Site ID: 408111
Site Name: A & D AUTO REBUILD (HC00004654)
Violation Date: 12-19-2013
Citation: HSC 6.11 25404.1 - California Health and Safety Code, Chapter 6.11, Section(s) 25404.1
Violation Description: Failure to obtain and/or maintain an active hazardous waste generator permit.

Violation Notes: Returned to compliance on 03/06/2014. No CUPA permit for this new facility.

Violation Division: Long Beach Environmental Heath
Violation Program: HW
Violation Source: CERS

Site ID: 408111
Site Name: A & D AUTO REBUILD (HC00004654)
Violation Date: 12-19-2013
Citation: 22 CCR 15 66265.51 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.51
Violation Description: Failure to prepare and implement a Contingency Plan to minimize human hazards or threat to the environment and to carry out the provisions of the plan whenever there is a fire, explosion, or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents which could threaten human health or the environment.

Violation Notes: Returned to compliance on 03/06/2014. New HMBEP needs to be submitted to ther LBFP.

Violation Division: Long Beach Environmental Heath
Violation Program: HW
Violation Source: CERS

Site ID: 408111
Site Name: A & D AUTO REBUILD (HC00004654)
Violation Date: 08-26-2019
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.

Violation Notes: Returned to compliance on 08/26/2019. Several drums of haz waste did not have proper labeling. Label and use only three closed-top drums for storing used oil and one open-top drum for used grease. NEVER put hazardous waste into an unlabeled container. Labels provided during the inspection and violation corrected during the inspection.

Violation Division: Long Beach Environmental Heath
Violation Program: HW
Violation Source: CERS

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A & D AUTO REBUILDERS (Continued)

S118234754

Evaluation:

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-26-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Routine inspection with violations of an auto parts refurbisher. This facility primarily generates used oil and used grease. Please correct the following violations prior to re-inspection on or after 9/26/19.
#1) This facility has exceeded the 180 day accumulation time limit for storing hazardous waste on site. Consolidate all containers of used oil and used grease and schedule their disposal as soon as feasible. Do not accumulate more than three drums of used oil and one drum of used grease on site at any time. #2) Several drums of haz waste did not have proper labeling. Label and use only three closed-top drums for storing used oil and one open-top drum for used grease. NEVER put hazardous waste into an unlabeled container. #3) A Hazardous Materials Business Plan was submitted on CERS on 12/15/17 and is overdue for an annual review and re-submittal. Please review and re-submit all three elements of your HMBP on CERS ID#10613257. Call Inspector Erdman at for help on [Truncated]
Eval Division: Long Beach Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-15-2013
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Long Beach Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 12-19-2013
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Single business license inspection of a new auto parts manufacturer that has moved to this location. Violations were cited during the CUPA routine inspection.
Eval Division: Long Beach Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 03-21-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Routine inspection with no violations of an auto parts manufacturing facility.
Eval Division: Long Beach Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 09-30-2019
Violations Found: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A & D AUTO REBUILDERS (Continued)

S118234754

Eval Type: Other, not routine, done by local agency
Eval Notes: Re-inspection with no violations of an auto parts refurbisher. Hazardous Waste has been disposed of and documentation retained for inspection. A HMBP was accepted on CERS ID#10613257 on 8/29/19. All hazardous waste is contained in properly labeled drums and their waste storage area is cleaned up. A copy of this OIR was emailed to ADautorebuilders2@yahoo.com.

Eval Division: Long Beach Environmental Heath
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-28-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Routine inspection
Eval Division: Long Beach Environmental Heath
Eval Program: HW
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 03-06-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Re-inspection with no violations of new auto parts manufacture business. The LB Business Licensed will be notified of the LBDHHS approval.

Eval Division: Long Beach Environmental Heath
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-29-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Long Beach Fire Department Hazardous Materials Specialist, Brian Erdman was on site to conduct a Hazardous Materials Business Plan inspection. The purpose of the HMBP is to assist the LBFD during an emergency response to this facility. Mario Cortez provided consent to conduct an inspection and tour of the facility. Any facility that stores Hazardous Materials at or above a reportable volume is required to complete an electronic HMBEP to the California Environmental Response System (CERS) at <https://l.calepa.ca.gov/> . The reportable volume for Hazardous Wastes / Materials or mixture is equal to or greater than 55 gallons of a liquid, 500 pounds of solid, or 200 cubic feet of a gas. The facility has the following Hazardous Materials being stored at a reportable volume: - Lubricating Oil - Waste oil - Grease Site Map is available for review. HMBP Employee Training has been conducted. For any questions regarding this report, please contact Brian [Truncated]

Eval Division: Long Beach Environmental Heath
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 10-15-2013
Violations Found: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A & D AUTO REBUILDERS (Continued)

S118234754

Eval Type: Other, not routine, done by local agency
Eval Notes: OUT OF BUSINESS.
Eval Division: Long Beach Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Coordinates:
Site ID: 408111
Facility Name: A & D AUTO REBUILD (HC00004654)
Env Int Type Code: HMBP
Program ID: 10613257
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 33.787160
Longitude: -118.200720

Affiliation:
Affiliation Type Desc: Identification Signer
Entity Name: araceli hernandez
Entity Title: owner
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Document Preparer
Entity Name: araceli hernandez
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 1600 Oregon Ave
Affiliation City: Long Beach
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90813
Affiliation Phone: Not reported

Affiliation Type Desc: CUPA District
Entity Name: Long Beach Environmental Health
Entity Title: Not reported
Affiliation Address: 2525 Grand Avenue
Affiliation City: Long Beach
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90815
Affiliation Phone: (562) 570-4131

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A & D AUTO REBUILDERS (Continued)

S118234754

Affiliation Type Desc: Environmental Contact
Entity Name: Araceli Hernandez
Entity Title: Not reported
Affiliation Address: 1600 oregon ave
Affiliation City: long beach
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90813
Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner
Entity Name: Araceli Hernandez
Entity Title: Not reported
Affiliation Address: 1600 Oregon Ave
Affiliation City: long beach
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 90813
Affiliation Phone: (562) 495-7371

Affiliation Type Desc: Operator
Entity Name: A&D AUTO REBUILDERS
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (562) 495-7371

Affiliation Type Desc: Parent Corporation
Entity Name: A & D AUTO REBUILD (HC00004654)
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Property Owner
Entity Name: Pamela Cincola
Entity Title: Not reported
Affiliation Address: 1600 Oregon Ave
Affiliation City: Long Beach
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 90813
Affiliation Phone: (562) 495-7371

HWTS:

Name: A & D AUTO REBUILDERS
Address: 1600 OREGON AVE
Address 2: Not reported
City,State,Zip: LONG BEACH, CA 90813
EPA ID: CAL000392279

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A & D AUTO REBUILDERS (Continued)

S118234754

Inactive Date: 06/30/2015
Create Date: 12/30/2013
Last Act Date: 01/27/2016
Mailing Name: Not reported
Mailing Address: 1600 OREGON AVE
Mailing Address 2: Not reported
Mailing City,State,Zip: LONG BEACH, CA 908130000
Owner Name: ARACELI HERNANDEZ
Owner Address: 1600 OREGON AVE
Owner Address 2: Not reported
Owner City,State,Zip: LONG BEACH, CA 908130000
Contact Name: DAGOBERTO MARCILLA
Contact Address: 1600 OREGON AVE
Contact Address 2: Not reported
City,State,Zip: LONG BEACH, CA 908130000

NAICS:

EPA ID: CAL000392279
Create Date: 2013-12-30 13:56:17
NAICS Code: 333996
NAICS Description: Fluid Power Pump and Motor Manufacturing
Issued EPA ID Date: 2013-12-30 13:56:17
Inactive Date: 2015-06-30 00:00:00
Facility Name: A & D AUTO REBUILDERS
Facility Address: 1600 OREGON AVE
Facility Address 2: Not reported
Facility City: LONG BEACH
Facility County: 19
Facility State: CA
Facility Zip: 90813

P97
NE
1/8-1/4
0.171 mi.
901 ft.

SUN HARDWARE CO, INC
635 W 15TH ST
LONG BEACH, CA 90813
Site 4 of 7 in cluster P

CA DRYCLEANERS **S106076977**
N/A

Relative:
Higher

Actual:
13 ft.

DRYCLEANERS:
Name: SUN HARDWARE CO, INC
Address: 635 W 15TH ST
City,State,Zip: LONG BEACH, CA 908130000
EPA Id: CAL000115673
NAICS Code: 81232
NAICS Description: Drycleaning and Laundry Services (except Coin-Operated)
SIC Code: 7211
SIC Description: Power Laundries, Family and Commercial
Create Date: 02/22/1994
Facility Active: No
Inactive Date: 06/30/2007
Facility Addr2: Not reported
Owner Name: GORDON L GOODRICH
Owner Address: 635 W 15TH ST
Owner Address 2: Not reported
Owner Telephone: 5624323276
Contact Name: GORDON GOODRICH
Contact Address: --
Contact Address 2: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SUN HARDWARE CO, INC (Continued)

S106076977

Contact Telephone: 5624323276
Mailing Name: Not reported
Mailing Address 1: PO BOX 92019
Mailing Address 2: Not reported
Mailing City: LONG BEACH
Mailing State: CA
Mailing Zip: 908092019
Owner Fax: Not reported
Region Code: 3

P98
ENE
1/8-1/4
0.173 mi.
913 ft.

0640 W 15TH ST
LONG BEACH, CA
Site 5 of 7 in cluster P

CA UST **U003919696**
N/A

Relative:
Lower

LONG BEACH UST:

Actual:
12 ft.

DATA AS OF 02/25/2014:

Name: Not reported
Address: 0640 W 15TH ST
City,State,Zip: LONG BEACH, CA
Region: LONG BEACH
Tanks: 0T
Tank Test: Not reported
Leak Test: Not reported
Tank Status: Not reported

U99
NNE
1/8-1/4
0.184 mi.
970 ft.

SUPREME TOWING SERVICE INC DBA CITY TOW SERVICE
704 W 17TH ST
LONG BEACH, CA 90813

RCRA NonGen / NLR **1024791454**
CAL000105558

Site 1 of 4 in cluster U

Relative:
Higher

RCRA NonGen / NLR:

Date form received by agency: 2019-07-11 00:00:00.0

Actual:
16 ft.

Facility name: SUPREME TOWING SERVICE INC DBA CITY TOW SERVICE
Facility address: 704 W 17TH ST

LONG BEACH, CA 90813

EPA ID: CAL000105558

Contact: BEN SHAFIEE

Contact address: 704 W 17TH ST
LONG BEACH, CA 90813

Contact country: US

Contact telephone: 562-432-0941

Contact email: TOWING@CITYTOWSERVICE.COM

EPA Region: 09

Classification: Non-Generator

Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: HALEY H. FARRAHI

Owner/operator address: 704 W 17TH ST
LONG BEACH, CA 90813

Owner/operator country: US

Owner/operator telephone: 562-432-0941

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SUPREME TOWING SERVICE INC DBA CITY TOW SERVICE (Continued)

1024791454

Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: BEN SHAFIEE
Owner/operator address: 704 W 17TH ST
LONG BEACH, CA 90813
Owner/operator country: Not reported
Owner/operator telephone: 562-432-0941
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: BEN SHAFIEE
Owner/operator address: 704 W 17TH ST
LONG BEACH, CA 90813
Owner/operator country: US
Owner/operator telephone: 562-432-0941
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: HALEY H. FARRAHI
Owner/operator address: 704 W 17TH ST
LONG BEACH, CA 90813
Owner/operator country: Not reported
Owner/operator telephone: 562-432-0941
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SUPREME TOWING SERVICE INC DBA CITY TOW SERVICE (Continued)

1024791454

Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 1999-06-24 00:00:00.0
Site name: SUPREME TOWING SERVICE INC DBA CITY TOW SERVICE
Classification: Not a generator, verified

Violation Status: No violations found

U100
NNE
1/8-1/4
0.184 mi.
970 ft.
Site 2 of 4 in cluster U

Relative:
Higher

Actual:
16 ft.

CERS HAZ WASTE:
Name: CITY TOW SERVICE
Address: 704 W 17TH ST
City,State,Zip: LONG BEACH, CA 90813
Site ID: 377963
CERS ID: 10604137
CERS Description: Hazardous Waste Generator

CA CERS HAZ WASTE
RCRA NonGen / NLR
FINDS
ECHO
CA HAZNET
CA CERS
CA HWTS

1000440841
CAD982047722

RCRA NonGen / NLR:

Date form received by agency: 1999-06-28 00:00:00.0
Facility name: CITY TOW SERVICE
Facility address: 704 W 17TH ST
LONG BEACH, CA 90813
EPA ID: CAD982047722
Contact: BEN SHAFIEE
Contact address: 704 W 17TH ST
LONG BEACH, CA 90813
Contact country: US
Contact telephone: 562-432-0941
Contact email: Not reported
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CITY TOW SERVICE (Continued)

1000440841

Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: EDELROMAX
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002787271
Facility URL: http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110002787271

Environmental Interest/Information System:

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1000440841
Registry ID: 110002787271
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110002787271>
Name: CITY TOW SERVICE
Address: 704 W 17TH ST
City,State,Zip: LONG BEACH, CA 90813

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CITY TOW SERVICE (Continued)

1000440841

HAZNET:

Name:	CITY TOW SERVICE
Address:	704 W 17TH ST
Address 2:	Not reported
City,State,Zip:	LONG BEACH, CA 908130000
Contact:	EDWARD WIENER
Telephone:	3104320941
Mailing Name:	Not reported
Mailing Address:	704 W 17TH ST
Year:	1998
Gepaid:	CAD982047722
TSD EPA ID:	CAD093459485
CA Waste Code:	342 - Organic liquids with metals (Alkaline solution (pH >= 12.5) with metals)
Disposal Method:	H01 - Transfer Station
Tons:	0.0417
Year:	1998
Gepaid:	CAD982047722
TSD EPA ID:	CAT000613893
CA Waste Code:	134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method:	H01 - Transfer Station
Tons:	0.126

Additional Info:

Year:	1998
Gen EPA ID:	CAD982047722
Shipment Date:	19980825
Creation Date:	10/20/1998 0:00:00
Receipt Date:	19980827
Manifest ID:	98278894
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D006
Disposal Method:	H01 - Transfer Station
Quantity Tons:	0.063
Waste Quantity:	15
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19980625
Creation Date:	9/3/1998 0:00:00
Receipt Date:	19980630

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CITY TOW SERVICE (Continued)

1000440841

Manifest ID: 98179087
Trans EPA ID: ILD984908202
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAT000613893
Trans Name: Not reported
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: 134 - Aqueous solution with <10% total organic residues
RCRA Code: D006
Disposal Method: H01 - Transfer Station
Quantity Tons: 0.063
Waste Quantity: 15
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 19980506
Creation Date: 7/15/1998 0:00:00
Receipt Date: 19980515
Manifest ID: 97372273
Trans EPA ID: ILD984908202
Trans Name: Not reported
Trans 2 EPA ID: AZ0000001560
Trans 2 Name: Not reported
TSDF EPA ID: CAD093459485
Trans Name: Not reported
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: 342 - Organic liquids with metals (see 121
RCRA Code: D006
Disposal Method: H01 - Transfer Station
Quantity Tons: 0.0417
Waste Quantity: 10
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

CERS:

Name: CITY TOW SERVICE
Address: 704 W 17TH ST
City,State,Zip: LONG BEACH, CA 90813
Site ID: 377963
CERS ID: 10604137
CERS Description: Chemical Storage Facilities

Violations:

Site ID: 377963
Site Name: CITY TOW SERVICE
Violation Date: 02-16-2017

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CITY TOW SERVICE (Continued)

1000440841

Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes: Returned to compliance on 04/05/2017.
Violation Division: Long Beach Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Evaluation:

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-24-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Routine inspection with no violations of an auto towing service.
Eval Division: Long Beach Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-16-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Routine inspection with no violations of a vehicle towing and maintenance yard. This facility is overdue for an annual re-certification of their Hazardous Materials Business Plan on CERS Acct. #10604137. Please review and re-submit your HMBP as soon as feasible.
Eval Division: Long Beach Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-27-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Routine inspection with no violations of a Towing & Fleet Repair Facility
Eval Division: Long Beach Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 04-05-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Long Beach Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-15-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CITY TOW SERVICE (Continued)

1000440841

Eval Division: Long Beach Environmental Heath
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-21-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Long Beach Environmental Heath
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-17-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Long Beach Fire Department Hazardous Materials Specialist, Brian Erdman was on site to conduct a change of ownership and a Hazardous Materials Business Plan inspection. The purpose of the HMBP is to assist the LBFD during an emergency response to this facility. Dalene Richter provided consent to conduct an inspection and tour of the facility. Any facility that stores Hazardous Materials at or above a reportable volume is required to complete an electronic HMBEP to the California Environmental Response System (CERS) at <https://cers.calepa.ca.gov/> . The reportable volume for Hazardous Wastes / Materials or mixture is equal to or greater than 55 gallons of a liquid, 500 pounds of solid, or 200 cubic feet of a gas. The facility has the following Hazardous Materials being stored at a reportable volume: - Used Oil - Used Antifreeze - Oxygen - Diesel Exhaust Fluid DEF - Motor Oil - Acetylene HMBP Employee Training must be conducted [Truncated]

Eval Division: Long Beach Environmental Heath
Eval Program: HMRRP
Eval Source: CERS

Coordinates:
Site ID: 377963
Facility Name: CITY TOW SERVICE
Env Int Type Code: HMBP
Program ID: 10604137
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 33.787850
Longitude: -118.201170

Affiliation:
Affiliation Type Desc: Environmental Contact
Entity Name: Ben Shafiee
Entity Title: Not reported
Affiliation Address: 925 W Esther St.
Affiliation City: Long Beach
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90813
Affiliation Phone: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CITY TOW SERVICE (Continued)

1000440841

Affiliation Type Desc: Operator
Entity Name: Ben Shafiee
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (562) 577-4927

Affiliation Type Desc: Legal Owner
Entity Name: Supreme Towing Service, Inc.
Entity Title: Not reported
Affiliation Address: 704 W 17th St
Affiliation City: Long Beach
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 90813
Affiliation Phone: (562) 577-4927

Affiliation Type Desc: Parent Corporation
Entity Name: CITY TOW SERVICE
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: CUPA District
Entity Name: Long Beach Environmental Heath
Entity Title: Not reported
Affiliation Address: 2525 Grand Avenue
Affiliation City: Long Beach
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90815
Affiliation Phone: (562) 570-4131

Affiliation Type Desc: Document Preparer
Entity Name: D. Richter
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 704 W 17th St
Affiliation City: Long Beach
Affiliation State: CA
Affiliation Country: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CITY TOW SERVICE (Continued)

1000440841

Affiliation Zip: 90813
Affiliation Phone: Not reported

Affiliation Type Desc: Identification Signer
Entity Name: Ben Shafiee
Entity Title: General Manager
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

HWTS:

Name: CITY TOW SERVICE
Address: 704 W 17TH ST
Address 2: Not reported
City,State,Zip: LONG BEACH, CA 908130000
EPA ID: CAD982047722
Inactive Date: 06/30/1999
Create Date: 06/17/1988
Last Act Date: 08/10/2004
Mailing Name: Not reported
Mailing Address: 704 W 17TH ST
Mailing Address 2: Not reported
Mailing City,State,Zip: LONG BEACH, CA 908131415
Owner Name: EDELROMAX CORP
Owner Address: 704 W 17TH ST
Owner Address 2: Not reported
Owner City,State,Zip: LONG BEACH, CA 908131415
Contact Name: EDWARD WIENER
Contact Address: INACTIVE PER VQ99 - BMI
Contact Address 2: Not reported
City,State,Zip: LONG BEACH, CA 908131415

U101
NNE
1/8-1/4
0.186 mi.
981 ft.

0700 W 17TH ST
LONG BEACH, CA
Site 3 of 4 in cluster U

CA UST **U003919708**
N/A

Relative:
Higher

LONG BEACH UST:

Actual:
16 ft.

DATA AS OF 02/25/2014:

Name: Not reported
Address: 0700 W 17TH ST
City,State,Zip: LONG BEACH, CA
Region: LONG BEACH
Tanks: 0F
Tank Test: Not reported
Leak Test: Not reported
Tank Status: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

P102 **AIR CARGO EQUIPMENT CORP**
ENE **600 W 15TH ST**
1/8-1/4 **LONG BEACH, CA 90813**
0.187 mi.
987 ft. **Site 6 of 7 in cluster P**

RCRA-SQG **1000106249**
CA SWEEPS UST **CAD095135810**
CA HIST UST
CA FID UST
FINDS
ECHO

Relative:
Lower

Actual:
12 ft.

RCRA-SQG:

Date form received by agency: 1996-09-01 00:00:00.0
Facility name: AIR CARGO EQUIPMENT CORP
Facility address: 600 W 15TH ST
LONG BEACH, CA 90813
EPA ID: CAD095135810
Mailing address: W 15TH ST
LONG BEACH, CA 90813
Contact: Not reported
Contact address: Not reported
Not reported
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: PUBLIC
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AIR CARGO EQUIPMENT CORP (Continued)

1000106249

Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

SWEEPS UST:

Name: AIR CARGO EQUIPMENT CORPORATION
Address: 600 W 015TH ST
City: LONG BEACH
Status: Active
Comp Number: 34141
Number: 9
Board Of Equalization: 44-013495
Referral Date: 07-01-85
Action Date: Not reported
Created Date: 02-29-88
Owner Tank Id: 1
SWRCB Tank Id: 19-060-034141-000001
Tank Status: A
Capacity: Not reported
Active Date: 07-01-85
Tank Use: M.V. FUEL
STG: P
Content: AVIA. GAS
Number Of Tanks: 2

Name: AIR CARGO EQUIPMENT CORPORATION
Address: 600 W 015TH ST
City: LONG BEACH
Status: Active
Comp Number: 34141
Number: 9
Board Of Equalization: 44-013495
Referral Date: 07-01-85
Action Date: Not reported
Created Date: 02-29-88
Owner Tank Id: 2
SWRCB Tank Id: 19-060-034141-000002
Tank Status: A
Capacity: Not reported
Active Date: 07-01-85
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AIR CARGO EQUIPMENT CORP (Continued)

1000106249

HIST UST:

Name: AIR CARGO EQUIPMENT CORPORATIO
Address: 600 W 15TH STREET
City,State,Zip: LONG BEACH, CA 90813
File Number: 000261E4
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/000261E4.pdf>
Region: STATE
Facility ID: 00000034141
Facility Type: Not reported
Other Type: Not reported
Contact Name: J.R. FIRESTONE
Telephone: 2134356341
Owner Name: AIR CARGO EQUIPMENT CORP.
Owner Address: 665 WEST COWLES
Owner City,St,Zip: LONG BEACH, CA 9083
Total Tanks: 0002

Tank Num: 001
Container Num: 1
Year Installed: Not reported
Tank Capacity: 00000000
Tank Used for: PRODUCT
Type of Fuel: 06
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 002
Container Num: 2
Year Installed: Not reported
Tank Capacity: 00000000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: None

[Click here for Geo Tracker PDF:](#)

CA FID UST:

Facility ID: 19056672
Regulated By: UTNKA
Regulated ID: 00034141
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 2134356341
Mail To: Not reported
Mailing Address: 600 W 015TH ST
Mailing Address 2: Not reported
Mailing City,St,Zip: LONG BEACH 90813
Contact: Not reported
Contact Phone: Not reported
DUNS Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AIR CARGO EQUIPMENT CORP (Continued)

1000106249

FINDS:

Registry ID: 110002664581
Facility URL: http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110002664581

Environmental Interest/Information System:

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1000106249
Registry ID: 110002664581
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110002664581>
Name: AIR CARGO EQUIPMENT CORP
Address: 600 W 15TH ST
City,State,Zip: LONG BEACH, CA 90813

P103
ENE
1/8-1/4
0.187 mi.
987 ft.

VACANT
0600 W 15TH ST
LONG BEACH, CA
Site 7 of 7 in cluster P

CA UST **U003854650**
N/A

Relative:
Lower

LONG BEACH UST:

Actual:
12 ft.

DATA AS OF 02/25/2014:

Name: VACANT
Address: 0600 W 15TH ST
City,State,Zip: LONG BEACH, CA
Region: LONG BEACH
Tanks: 0T
Tank Test: Not reported
Leak Test: Not reported
Tank Status: Not reported

V104
ESE
1/8-1/4
0.189 mi.
1000 ft.

LONG BEACH COLD STORAGE DIFFUSION TANK
625 WEST ANAHEIM STREET
LONG BEACH, CA
Site 1 of 9 in cluster V

SEMS **1016139698**
CAN000909534

Relative:
Higher

SEMS:

Actual:
13 ft.

Site ID: 0909534
EPA ID: CAN000909534
Name: LONG BEACH COLD STORAGE DIFFUSION TANK
Address: 625 WEST ANAHEIM STREET
Address 2: Not reported
City,State,Zip: LONG BEACH, CA
Cong District: Not reported
FIPS Code: 06037

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LONG BEACH COLD STORAGE DIFFUSION TANK (Continued)

1016139698

Latitude: Not reported
Longitude: Not reported
FF: N
NPL: Not on the NPL
Non NPL Status: Removal Only Site (No Site Assessment Work Needed)

SEMS Detail:

Region: 09
Site ID: 0909534
EPA ID: CAN000909534
Site Name: LONG BEACH COLD STORAGE DIFFUSION TANK
NPL: N
FF: N
OU: 00
Action Code: PJ
Action Name: RP EM REM
SEQ: 1
Start Date: 2013-02-04 05:00:00
Finish Date: 2/22/2013 5:00:00 AM
Qual: C
Current Action Lead: EPA Ovrsght

**V105
ESE
1/8-1/4
0.189 mi.
1000 ft.**

**CALIFORNIA REFRIGERATED SERVICES
625 W ANAHEIM ST
LONG BEACH, CA 90813**

**CA UST 1004443092
FTTS N/A
HIST FTTS**

Site 2 of 9 in cluster V

**Relative:
Higher**

LONG BEACH UST:

**Actual:
13 ft.**

DATA AS OF 02/25/2014:

Name: CALIFORNIA REFRIGERATED SERVICES
Address: 0625 W ANAHEIM ST
City,State,Zip: LONG BEACH, CA
Region: LONG BEACH
Tanks: 0T
Tank Test: Not reported
Leak Test: Not reported
Tank Status: Not reported

FTTS INSP:

Inspection Number: 19890126CA001 2
Region: 09
Inspection Date: 01/26/89
Inspector: BERMAN
Violation occurred: Yes
Investigation Type: Section 6 PCB State Conducted
Investigation Reason: Neutral Scheme, State
Legislation Code: TSCA
Facility Function: User

HIST FTTS INSP:

Inspection Number: 19890126CA001 2
Region: 09
Inspection Date: Not reported
Inspector: BERMAN

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CALIFORNIA REFRIGERATED SERVICES (Continued)

1004443092

Violation occurred: Yes
Investigation Type: Section 6 PCB State Conducted
Investigation Reason: Neutral Scheme, State
Legislation Code: TSCA
Facility Function: User

W106
North
1/8-1/4
0.191 mi.
1006 ft.

CITY OF L.B. PUBLIC SVC YD (2 D/W JOOR)
1725 SAN FRANCISCO AVE
LONG BEACH, CA

CA UST **U003700201**
N/A

Site 1 of 10 in cluster W

Relative:
Higher

LONG BEACH UST:

Actual:
17 ft.

DATA AS OF 02/25/2014:

Name: CITY OF L.B. PUBLIC SVC YD (2 D/W JOOR)
Address: 1725 SAN FRANCISCO AVE
City,State,Zip: LONG BEACH, CA
Region: LONG BEACH
Tanks: 2T
Tank Test: Dual Walled
Leak Test: Not reported
Tank Status: Not reported

W107
North
1/8-1/4
0.191 mi.
1006 ft.

PUBLIC SERVICE YARD
1725 SAN FRANCISCO AVE
LONG BEACH, CA 90813

CA LUST **S102435505**
CA HIST CORTESE **N/A**
CA CERS

Site 2 of 10 in cluster W

Relative:
Higher

LUST:

Name: PUBLIC SERVICE YARD
Address: 1725 SAN FRANCISCO AVE
City,State,Zip: LONG BEACH, CA 90813
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603701971
Global Id: T0603701971
Latitude: 33.7885736
Longitude: -118.2032193
Status: Completed - Case Closed
Status Date: 07/03/2012
Case Worker: NC
RB Case Number: 908130607
Local Agency: LONG BEACH, CITY OF
File Location: Regional Board
Local Case Number: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Diesel
Site History: Not reported

LUST:

Global Id: T0603701971
Contact Type: Local Agency Caseworker
Contact Name: CARMEN PIRO
Organization Name: LONG BEACH, CITY OF

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PUBLIC SERVICE YARD (Continued)

S102435505

Address: 2525 GRAND AVE.
City: LONG BEACH
Email: carmen.piro@longbeach.gov
Phone Number: 5625704137

Global Id: T0603701971
Contact Type: Regional Board Caseworker
Contact Name: NOMAN CHOWDHURY
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 WEST 4TH STREET, SUITE 200
City: LOS ANGELES
Email: nchowdhury@waterboards.ca.gov
Phone Number: 2135766704

LUST:

Global Id: T0603701971
Action Type: ENFORCEMENT
Date: 07/03/2012
Action: Closure/No Further Action Letter

Global Id: T0603701971
Action Type: ENFORCEMENT
Date: 11/24/2008
Action: Staff Letter

Global Id: T0603701971
Action Type: ENFORCEMENT
Date: 07/03/2012
Action: Closure/No Further Action Letter

Global Id: T0603701971
Action Type: RESPONSE
Date: 01/15/2009
Action: Other Report / Document

Global Id: T0603701971
Action Type: Other
Date: 08/04/1995
Action: Leak Discovery

Global Id: T0603701971
Action Type: Other
Date: 08/04/1995
Action: Leak Stopped

Global Id: T0603701971
Action Type: REMEDIATION
Date: 07/02/2008
Action: Other (Use Description Field)

Global Id: T0603701971
Action Type: Other
Date: 08/04/1995
Action: Leak Reported

LUST:

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PUBLIC SERVICE YARD (Continued)

S102435505

Global Id: T0603701971
Status: Open - Case Begin Date
Status Date: 08/04/1995

Global Id: T0603701971
Status: Open - Site Assessment
Status Date: 08/04/1995

Global Id: T0603701971
Status: Open - Referred
Status Date: 09/23/2008

Global Id: T0603701971
Status: Open - Site Assessment
Status Date: 11/24/2008

Global Id: T0603701971
Status: Completed - Case Closed
Status Date: 07/03/2012

LUST REG 4:

Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 908130607
Status: Preliminary site assessment underway
Substance: Motor Oil
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: Not reported
Global ID: T0603701971
W Global ID: Not reported
Staff: UNK
Local Agency: 19060
Cross Street: PACIFIC COAST HIGHWAY
Enforcement Type: Not reported
Date Leak Discovered: 8/4/1995
Date Leak First Reported: 8/4/1995
Date Leak Record Entered: 8/31/1995
Date Confirmation Began: Not reported
Date Leak Stopped: 8/4/1995
Date Case Last Changed on Database: 8/31/1995
Date the Case was Closed: Not reported
How Leak Discovered: Inventory Control
How Leak Stopped: Not reported
Cause of Leak: Structure Failure
Leak Source: Piping
Operator: DEPT OF PUBLIC WORKS
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 14972.994970622465758367051324
Source of Cleanup Funding: Piping
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: 8/4/1995
Pollution Characterization Began: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PUBLIC SERVICE YARD (Continued)

S102435505

Remediation Plan Submitted:	Not reported
Remedial Action Underway:	Not reported
Post Remedial Action Monitoring Began:	Not reported
Enforcement Action Date:	Not reported
Historical Max MTBE Date:	Not reported
Hist Max MTBE Conc in Groundwater:	Not reported
Hist Max MTBE Conc in Soil:	Not reported
Significant Interim Remedial Action Taken:	Not reported
GW Qualifier:	Not reported
Soil Qualifier:	Not reported
Organization:	Not reported
Owner Contact:	Not reported
Responsible Party:	CITY OF LONG BEACH
RP Address:	333 W. OCEAN BLVD., LONG BEACH, CA 90802
Program:	LUST
Lat/Long:	33.7885736 / -1
Local Agency Staff:	Not reported
Beneficial Use:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Suspended:	Not reported
Assigned Name:	Not reported
Summary:	Not reported

HIST CORTESE:

edr_fname:	PUBLIC SERVICE YARD
edr_fadd1:	1725 SAN FRANCISCO
City,State,Zip:	LONG BEACH, CA 90802
Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	908130607

CERS:

Name:	PUBLIC SERVICE YARD
Address:	1725 SAN FRANCISCO AVE
City,State,Zip:	LONG BEACH, CA 90813
Site ID:	260314
CERS ID:	T0603701971
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	NOMAN CHOWDHURY - LOS ANGELES RWQCB (REGION 4)
Entity Title:	Not reported
Affiliation Address:	320 WEST 4TH STREET, SUITE 200
Affiliation City:	LOS ANGELES
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	2135766704

Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	CARMEN PIRO - LONG BEACH, CITY OF
Entity Title:	Not reported
Affiliation Address:	2525 GRAND AVE.
Affiliation City:	LONG BEACH

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PUBLIC SERVICE YARD (Continued)

S102435505

Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 5625704137

**108
NW
1/8-1/4
0.195 mi.
1029 ft.**

**PUBLIC SERVICE TRANSFER STATION #1
E. SIDE 710MHWY -BTW ANAHEIM ST./ P.C.H.
LONG BEACH, CA**

**CA SWF/LF
CA CERS**

**S105247930
N/A**

**Relative:
Higher**

**Actual:
14 ft.**

SWF/LF (SWIS):
Name: PUBLIC SERVICE TRANSFER STATION #1
Address: E. SIDE 710MHWY -BTW ANAHEIM ST./ P.C.H.
City,State,Zip: LONG BEACH, CA
Facility ID: 19-AA-1047
Lat/Long: 33.78667 / -118.20695
Owner Name: City of Long Beach,Public Service Bureau
Owner Telephone: 5625702732
Owner Address: Special Projects Officer
Owner Address2: 1601 San Francisco Ave.
Owner City,St,Zip: Long Beach, CA 90813
Operational Status: Active
Operator: City of Long Beach, Public Works Dept.
Operator Phone: 5625702784
Operator Address: Superintendent Streets Maintenance
Operator Address2: 1601 San Francisco Ave.
Operator City,St,Zip: Long Beach, CA 90813
Permit Date: 10/19/2001
Permit Status: Notification
Permitted Acreage: Not reported
Activity: Limited Volume Transfer Operation
Regulation Status: Notification
Landuse Name: Not reported
GIS Source: GPS
Category: Transfer/Processing
Unit Number: 01
Inspection Frequency: Quarterly
Accepted Waste: Green Materials
Closure Date: Not reported
Closure Type: Not reported
Disposal Acreage: Not reported
SWIS Num: 19-AA-1047
Waste Discharge Requirement Num: Not reported
Program Type: Not reported
Permitted Throughput with Units: 12
Actual Throughput with Units: Tons/day
Permitted Capacity with Units: 3000
Remaining Capacity: Not reported
Remaining Capacity with Units: Tons/year
Lat/Long: 33.78667 / -118.20695

CERS:

Name: PUBLIC SERVICE TRANSFER STATION #1
Address: E. SIDE 710MHWY -BTW ANAHEIM ST./ P.C.H.
City,State,Zip: LONG BEACH, CA

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PUBLIC SERVICE TRANSFER STATION #1 (Continued)

S105247930

Site ID: 511156
CERS ID: 19-AA-1047
CERS Description: Solid Waste and Recycle Sites

Affiliation:
Affiliation Type Desc: Legal Operator
Entity Name: City of Long Beach, Public Works Dept.
Entity Title: Not reported
Affiliation Address: Superintendent Streets Maintenance1601 San Francisco Ave.
Affiliation City: Long Beach
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90813
Affiliation Phone: 5625702784

Affiliation Type Desc: Legal Owner
Entity Name: City of Long Beach,Public Service Bureau
Entity Title: Not reported
Affiliation Address: Special Projects Officer1601 San Francisco Ave.
Affiliation City: Long Beach
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90813
Affiliation Phone: 5625702732

S109
South
1/8-1/4
0.195 mi.
1031 ft.

V & S TRANSPORTATION
1100 DE FOREST AVE
LONG BEACH, CA

CA UST **U003660638**
N/A

Relative:
Lower

LONG BEACH UST:

Actual:
12 ft.

DATA AS OF 02/25/2014:

Name: V & S TRANSPORTATION
Address: 1100 DE FOREST AVE
City,State,Zip: LONG BEACH, CA
Region: LONG BEACH
Tanks: 0T
Tank Test: Not reported
Leak Test: Not reported
Tank Status: Not reported

S110
South
1/8-1/4
0.195 mi.
1031 ft.

LACDPW CERRITOS PP
1100 DE FOREST AVE
LONG BEACH, CA 90813

RCRA NonGen / NLR **1024800421**
CAL000220061

Relative:
Lower

RCRA NonGen / NLR:

Actual:
12 ft.

Date form received by agency: 2000-09-25 00:00:00.0
Facility name: LACDPW CERRITOS PP
Facility address: 1100 DE FOREST AVE
LONG BEACH, CA 90813-2824
EPA ID: CAL000220061
Mailing address: 900 S FREMONT AVE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LACDPW CERRITOS PP (Continued)

1024800421

ALHAMBRA, CA 91803-1331
Contact: ADRIANA FLORES
Contact address: 900 SOUTH FREMONT AVE.
ALHAMBRA, CA 91803-1331
Contact country: Not reported
Contact telephone: 626-458-7390
Contact email: AFLORES@DPW.LACOUNTY.GOV
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: LA COUNTY PUBLIC WORKS
Owner/operator address: 900 S FREMONT AVE
ALHAMBRA, CA 91803
Owner/operator country: Not reported
Owner/operator telephone: 626-458-7390
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: ADRIANA FLORES
Owner/operator address: 900 SOUTH FREMONT AVE.
ALHAMBRA, CA 91803
Owner/operator country: Not reported
Owner/operator telephone: 626-458-7390
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: Yes
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

W111
North
1/8-1/4
0.196 mi.
1037 ft.
RILEY MARINE PRODUCTS
0840 W ESTHER ST
LONG BEACH, CA
Site 3 of 10 in cluster W

CA UST
U003660689
N/A

Relative:
Higher

LONG BEACH UST:

Actual:
17 ft.

DATA AS OF 02/25/2014:

Name: RILEY MARINE PRODUCTS
Address: 0840 W ESTHER ST
City,State,Zip: LONG BEACH, CA
Region: LONG BEACH
Tanks: 0T
Tank Test: Not reported
Leak Test: Not reported
Tank Status: Not reported

W112
North
1/8-1/4
0.196 mi.
1037 ft.
WESTERN ELECTROPLATING, INC.
840 W ESTHER ST
LONG BEACH, CA 90813
Site 4 of 10 in cluster W

CA HIST UST
FINDS
ECHO
CA HAZNET
CA HWTS
1000402996
N/A

Relative:
Higher

HIST UST:

Actual:
17 ft.

Name: WESTERN ELECTRO PLATING CO
Address: 810 W ESTHER ST
City,State,Zip: LONG BEACH, CA 90813
File Number: 00028756
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00028756.pdf>
Region: STATE
Facility ID: 00000007824
Facility Type: Other
Other Type: ELECTRO PLATING
Contact Name: Not reported
Telephone: 2134369975
Owner Name: WESTERN ELECTRO PLATING CO
Owner Address: 820 W. ESTHER ST
Owner City,St,Zip: LONG BEACH, CA 90813
Total Tanks: 0001

Tank Num: 001
Container Num: 1
Year Installed: 1976
Tank Capacity: 00000750
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: None

Click here for Geo Tracker PDF:

FINDS:

Registry ID: 110002634560
Facility URL: http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110002634560

Environmental Interest/Information System:

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WESTERN ELECTROPLATING, INC. (Continued)

1000402996

events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1000402996
Registry ID: 110002634560
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110002634560>
Name: WESTERN ELECTROPLATING, INC.
Address: 840 W ESTHER ST
City,State,Zip: LONG BEACH, CA 90813

HAZNET:

Name: WESTERN ELECTROPLATING, INC.
Address: 840 W ESTHER ST
Address 2: Not reported
City,State,Zip: LONG BEACH, CA 908130000
Contact: UNDELIVERABLE 1996 FEES FORM
Telephone: --
Mailing Name: Not reported
Mailing Address: 840 W ESTHER ST

Year: 1993
Gepaid: CAD008501215
TSD EPA ID: CAT080033681
CA Waste Code: 352 - Other organic solids
Disposal Method: -
Tons: 1.6

Year: 1990
Gepaid: CAD008501215
TSD EPA ID: IDD073114654
CA Waste Code: 171 - Metal sludge (Alkaline solution (pH >= 12.5) with metals)
Disposal Method: D80 - Disposal, Land Fill
Tons: 6.7424

Year: 1990
Gepaid: CAD008501215
TSD EPA ID: AZD980735500
CA Waste Code: 181 - Other inorganic solid waste
Disposal Method: 01 -
Tons: 21

Year: 1990
Gepaid: CAD008501215
TSD EPA ID: ORD980977334
CA Waste Code: -
Disposal Method: -
Tons: 8.706

Year: 1984
Gepaid: CAD008501215
TSD EPA ID: CAD067786749

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WESTERN ELECTROPLATING, INC. (Continued)

1000402996

CA Waste Code: 491 - Unspecified sludge waste
Disposal Method: 03 -
Tons: 0

Year: 1984
Gepaid: CAD008501215
TSD EPA ID: CAD067786749
CA Waste Code: 181 - Other inorganic solid waste
Disposal Method: D80 - Disposal, Land Fill
Tons: 33.712

Year: 1984
Gepaid: CAD008501215
TSD EPA ID: CAD067786749
CA Waste Code: 113 -
Disposal Method: D80 - Disposal, Land Fill
Tons: 104.25

Year: 1984
Gepaid: CAD008501215
TSD EPA ID: CAD020748125
CA Waste Code: 113 -
Disposal Method: 08 -
Tons: 45.87

Year: 1984
Gepaid: CAD008501215
TSD EPA ID: CAD067786749
CA Waste Code: 491 - Unspecified sludge waste
Disposal Method: D80 - Disposal, Land Fill
Tons: 21.728

Additional Info:

Year: 1993
Gen EPA ID: CAD008501215

Shipment Date: 19930715
Creation Date: 9/11/1995 0:00:00
Receipt Date: Not reported
Manifest ID: 92703578
Trans EPA ID: CAD982440364
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSD EPA ID: CAT080033681
Trans Name: Not reported
TSD EPA ID: Not reported
TSD EPA Alt Name: Not reported
CA Waste Code: 352 - Other organic solids
RCRA Code: Not reported
Disposal Method: - Not reported
Quantity Tons: 1.6
Waste Quantity: 3200
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WESTERN ELECTROPLATING, INC. (Continued)

1000402996

Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

HWTS:

Name: WESTERN ELECTROPLATING, INC.
Address: 840 W ESTHER ST
Address 2: Not reported
City,State,Zip: LONG BEACH, CA 908130000
EPA ID: CAD008501215
Inactive Date: 06/30/1996
Create Date: 07/23/1982
Last Act Date: 08/10/2004
Mailing Name: Not reported
Mailing Address: 840 W ESTHER ST
Mailing Address 2: Not reported
Mailing City,State,Zip: LONG BEACH, CA 908130000
Owner Name: WESTERN ELECTROPLATING, INC.
Owner Address: --
Owner Address 2: Not reported
Owner City,State,Zip: --, 99 --
Contact Name: UNDELIVERABLE 1996 FEES FORM
Contact Address: --
Contact Address 2: Not reported
City,State,Zip: --, 99 --

NAICS:

EPA ID: CAD008501215
Create Date: 2002-03-14 16:36:26
NAICS Code: 332813
NAICS Description: Electroplating, Plating, Polishing, Anodizing, and Coloring
Issued EPA ID Date: 1982-07-23 00:00:00
Inactive Date: 1996-06-30 00:00:00
Facility Name: WESTERN ELECTROPLATING, INC.
Facility Address: 840 W ESTHER ST
Facility Address 2: Not reported
Facility City: LONG BEACH
Facility County: 19
Facility State: CA
Facility Zip: 908130000

W113
North
1/8-1/4
0.196 mi.
1037 ft.

WESTERN ELECTROPLATING CO
820 W ESTHER ST
LONG BEACH, CA 90813

Site 5 of 10 in cluster W

SEMS-ARCHIVE 1015732663
RCRA NonGen / NLR CAD008501215

Relative:
Higher

SEMS Archive:

Actual:
17 ft.

Site ID: 0901116
EPA ID: CAD008501215
Name: WESTERN ELECTROPLATING CO
Address: 820 W ESTHER ST
Address 2: Not reported
City,State,Zip: LONG BEACH, CA 90813
Cong District: 32
FIPS Code: 06037
FF: N

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WESTERN ELECTROPLATING CO (Continued)

1015732663

NPL: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

SEMS Archive Detail:

Region: 09
Site ID: 0901116
EPA ID: CAD008501215
Site Name: WESTERN ELECTROPLATING CO
NPL: N
FF: N
OU: 00
Action Code: VS
Action Name: ARCH SITE
SEQ: 1
Start Date: Not reported
Finish Date: 1986-02-01 05:00:00
Qual: Not reported
Current Action Lead: EPA Perf In-Hse

Region: 09
Site ID: 0901116
EPA ID: CAD008501215
Site Name: WESTERN ELECTROPLATING CO
NPL: N
FF: N
OU: 00
Action Code: DS
Action Name: DISCVRY
SEQ: 1
Start Date: 1985-11-01 06:00:00
Finish Date: 1985-11-01 06:00:00
Qual: Not reported
Current Action Lead: St Perf

Region: 09
Site ID: 0901116
EPA ID: CAD008501215
Site Name: WESTERN ELECTROPLATING CO
NPL: N
FF: N
OU: 00
Action Code: PA
Action Name: PA
SEQ: 1
Start Date: 1985-09-01 05:00:00
Finish Date: 1986-02-01 05:00:00
Qual: N
Current Action Lead: St Perf

RCRA NonGen / NLR:

Date form received by agency: 1980-08-18 00:00:00.0
Facility name: WESTERN ELECTROPLATING, INC.
Facility address: 840 W ESTHER ST
LONG BEACH, CA 90813
EPA ID: CAD008501215
Mailing address: W ESTHER ST

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WESTERN ELECTROPLATING CO (Continued)

1015732663

LONG BEACH, CA 90813
Contact: ENVIRONMENTAL MANAGER
Contact address: 840 W ESTHER ST
LONG BEACH, CA 90813
Contact country: US
Contact telephone: 213-436-9975
Contact email: Not reported
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: WESTERN ELECTROPLATING, INC.
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

R114
NNE
1/8-1/4
0.199 mi.
1053 ft.

0820 W ESTHER ST
LONG BEACH, CA
Site 4 of 6 in cluster R

CA UST U003919981
N/A

Relative:
Higher

LONG BEACH UST:

Actual:
15 ft.

DATA AS OF 02/25/2014:

Name: Not reported
Address: 0820 W ESTHER ST
City,State,Zip: LONG BEACH, CA
Region: LONG BEACH
Tanks: 0F
Tank Test: Not reported
Leak Test: Not reported
Tank Status: Not reported

R115
NNE
1/8-1/4
0.199 mi.
1053 ft.

GALAXY SCOOTERS, LLC
820 W ESTHER ST
LONG BEACH, CA 90813
Site 5 of 6 in cluster R

CA ENVIROSTOR S101480784
CA CERS HAZ WASTE N/A

Relative:
Higher

ENVIROSTOR:

Actual:
15 ft.

Name: WESTERN ELECTROPLATING COMPANY
Address: 820 WEST ESTHER STREET
City,State,Zip: LONG BEACH, CA 90813
Facility ID: 19340289
Status: Refer: Other Agency
Status Date: 09/01/1985
Site Code: Not reported
Site Type: Historical
Site Type Detailed: * Historical
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: * Mmonroy
Division Branch: Cleanup Cypress
Assembly: 70
Senate: 33
Special Program: * Site Char & Assess Grant (CERCLA 104)
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 33.78858
Longitude: -118.2025
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: * HYDROCARBON SOLVENTS * UNSPECIFIED ACID SOLUTION * UNSPECIFIED
ALKALINE SOLUTIONS * UNSPECIFIED SLUDGE WASTE
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: ELECTRIC MOTOR REPAIR
Alias Type: Alternate Name
Alias Name: 19340289
Alias Type: Envirostor ID Number

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GALAXY SCOOTERS, LLC (Continued)

S101480784

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 01/18/1995
Comments: DATABASE VALIDATION PROGRAM CONFIRMS NFA FOR DTSC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 01/05/1982
Comments: FACILITY IDENTIFIED LA CHAM OF COMM BUS DIR 1958 INSPECTION(FED)
REPLATING AUTO PARTS

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

CERS HAZ WASTE:

Name: GALAXY SCOOTERS, LLC
Address: 820 W ESTHER ST
City,State,Zip: LONG BEACH, CA 90813
Site ID: 378574
CERS ID: 10700803
CERS Description: Hazardous Waste Generator

Violations:

Site ID: 378574
Site Name: Galaxy Scooters, LLC
Violation Date: 07-29-2016
Citation: 22 CCR 15 66265.51 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.51

Violation Description: Failure to prepare and implement a written Contingency Plan to minimize hazards to human health or the environment from fires, explosions, or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents to air, soil, or surface water.

Violation Notes: Returned to compliance on 12/21/2016. OBSERVATION: Facility failed to prepare an Emergency Response Plan. The owner or operator shall prepare an Emergency Response Plan designed to minimize hazards to human health or the environment from fires, explosions, or any unplanned release of hazardous waste to air, soil, or surface water. CORRECTIVE ACTION: Immediately prepare an Emergency Response Plan and submit a copy to the CUPA by WITHIN 30 DAYS. LOG ON TO THE CALIFORNIA ENVIRONMENTAL REPORTING SYSTEM TO REPORT YOUR FACILITY INFORMATION AS WELL AS ESTABLISHING A CONTINGENCY PLAN. A CONTINGENCY PLAN TEMPLATE IS AVAILABLE IN CERS. <http://cers.calepa.ca.gov> *CERS INFORMATION WAS PROVIDED TO THE FACILITY TODAY.

Violation Division: Long Beach Environmental Health
Violation Program: HW
Violation Source: CERS

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GALAXY SCOOTERS, LLC (Continued)

S101480784

Site ID: 378574
Site Name: Galaxy Scooters, LLC
Violation Date: 07-29-2016
Citation: 40 CFR 1 262.34(d)(5)(ii) - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 262.34(d)(5)(ii)
Violation Description: Failure to post the following information next to the telephone: (A) The name and telephone number of the emergency coordinator; (B) Location of fire extinguishers and spill control material, and, if present, fire alarm; and (C) The telephone number of the fire department, unless the facility has a direct alarm.
Violation Notes: Returned to compliance on 07/29/2016. OBSERVATION: I DID NOT OBSERVE ANY EMERGENCY INFORMATION DURING THE INSPECTION. EMERGENCY INFORMATION WAS POSTED DURING THE INSPECTION.
Violation Division: Long Beach Environmental Health
Violation Program: HW
Violation Source: CERS

Site ID: 378574
Site Name: Galaxy Scooters, LLC
Violation Date: 07-29-2016
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 07/29/2016. OBSERVATION: THE USED OIL CONTAINER ACCUMULATING USED OIL ON-SITE DID NOT HAVE HAZARDOUS WASTE LABEL. All hazardous waste containers shall be marked with the following information: 1) the words G Hazardous WasteG ; 2) name and address of generator; 3) hazardous properties; 4) physical state; 5) composition (contents); 6) accumulation start date. CORRECTIVE ACTION: A PROPERLY COMPLETED HAZARDOUS WASTE LABEL WAS PLACED ON THE CONTAINER DURING THE INSPECTION.
Violation Division: Long Beach Environmental Health
Violation Program: HW
Violation Source: CERS

Site ID: 378574
Site Name: Galaxy Scooters, LLC
Violation Date: 07-29-2016
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description: Hazardous Waste Generator Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 12/21/2016. OBSERVATION: The Owner/Operator failed to obtain an active hazardous waste generator permit. FACILITY GENERATES HAZARDOUS WASTE. DURING THE INSPECTION, I OBSERVED A ONE GALLON CONTAINER OF USED OIL. PER MANAGER, KELLEY BATES, THEY DO NOT GENERATE LARGE AMOUNTS OF USED OIL. PER STATEMENTS MADE BY KELLEY BATES AND OBSERVATIONS DURING THE INSPECTION, THIS FACILITY IS A CONDITIONALLY EXEMPT SMALL QUANTITY GENERATOR OF HAZARDOUS WASTE. CESQG. CORRECTIVE ACTION: The Owner/Operator shall immediately apply to receive a new or renewed hazardous waste generator permit and maintain that permit as active as long as the facility is in operation and continues to generate hazardous waste.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GALAXY SCOOTERS, LLC (Continued)

S101480784

Violation Division: Long Beach Environmental Heath
Violation Program: HW
Violation Source: CERS

Site ID: 378574
Site Name: Galaxy Scooters, LLC
Violation Date: 07-29-2016
Citation: 22 CCR 12 66262.12 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.12

Violation Description: Failure to obtain an Identification Number prior to treating, storing, disposing of, transporting or offering for transportation any hazardous waste.

Violation Notes: Returned to compliance on 12/21/2016. OBSERVATION: This facility does not have a valid EPA ID number to manage hazardous waste. A hazardous waste generator shall not treat, store, dispose of, transport or offer for transportation, hazardous waste without an EPA ID number. FACILITY GENERATES AND ACCUMULATES HAZARDOUS WASTE ON-SITE. HAZARDOUS WASTE GENERATED ON-SITE IS USED OIL. CORRECTIVE ACTION: Immediately obtain an EPA ID number through DTSC to manage hazardous waste and submit evidence to the CUPA by [date, 30 days from now].

Violation Division: Long Beach Environmental Heath
Violation Program: HW
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-25-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Long Beach Environmental Heath
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-29-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: 802 W. ESTHER ST. ENTRANCE TO BUSINESS IS IN THE ALLEY WAY SOUTH OF ESTHER ST. ON-SITE TO CONDUCT A ROUTINE INSPECTION OF GALAXY SCOOTERS. THIS FACILITY IS A SCOOTER REPAIR SHOP AND GENERATES HAZARDOUS WASTE, THEREFORE IS SUBJECT TO HAZARDOUS WASTE GENERATOR REQUIREMENTS. FACILITY BASED ON STATEMENTS BY KELLEY BATES, OWNER AND OBSERVATIONS MADE DURING THE INSPECTION APPEAR TO BE A CONDITIONALLY EXEMPT SMALL QUANTITY GENERATOR (CESQG) OF HAZARDOUS WASTE. PER KELLEY BATES, THIS BUSINESS HAS BEEN OPERATING FOR ABOUT 3 YEARS AND DOES NOT HAVE ANY EMPLOYEES, BUT ONLY HAS ONE VOLUNTEER. AN INVOICE TO OBTAIN A CERTIFIED UNIFIED PROGRAM AGENCY (CUPA) PERMIT WILL BE SENT TO THE MAILING ADDRESS. PAY ALL APPLICABLE FEES. VISIT OUR WEBSITE FOR HAZARDOUS MATERIALS MANAGEMENT INFORMATION: From <<http://www.longbeach.gov/health/inspections-and-reporting/inspections/hazardous-materials-management/>>

Eval Division: Long Beach Environmental Heath
Eval Program: HW
Eval Source: CERS

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GALAXY SCOOTERS, LLC (Continued)

S101480784

Coordinates:

Site ID: 378574
Facility Name: Galaxy Scooters, LLC
Env Int Type Code: HWG
Program ID: 10700803
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 33.788580
Longitude: -118.202560

Affiliation:

Affiliation Type Desc: CUPA District
Entity Name: Long Beach Environmental Health
Entity Title: Not reported
Affiliation Address: 2525 Grand Avenue
Affiliation City: Long Beach
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90815
Affiliation Phone: (562) 570-4131

Affiliation Type Desc: Identification Signer
Entity Name: Kelley Bates
Entity Title: Owner
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Operator
Entity Name: Kelley Bates
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (562) 301-9903

Affiliation Type Desc: Document Preparer
Entity Name: Kelley Bates
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Environmental Contact
Entity Name: Kelley Bates
Entity Title: Not reported
Affiliation Address: 1340 Euclid Ave.
Affiliation City: Long Beach

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GALAXY SCOOTERS, LLC (Continued)

S101480784

Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90804
Affiliation Phone: Not reported

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 820 W Esther St.
Affiliation City: Long Beach
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90813
Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner
Entity Name: Kelley Bates
Entity Title: Not reported
Affiliation Address: 1340 Euclid Ave
Affiliation City: Long Beach
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 90804
Affiliation Phone: (562) 301-9903

Affiliation Type Desc: Property Owner
Entity Name: Jerry Belsha
Entity Title: Not reported
Affiliation Address: 820 W Esther St.
Affiliation City: Long Beach
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 90813
Affiliation Phone: (562) 432-4312

Affiliation Type Desc: Parent Corporation
Entity Name: Galaxy Scooters, LLC
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

X116
WNW
1/8-1/4
0.202 mi.
1066 ft.

NEILL AIRCRAFT CO.
1227 W COWLES ST
LONG BEACH, CA
Site 1 of 11 in cluster X

CA UST U003660595
N/A

Relative:
Higher

LONG BEACH UST:

Actual:
13 ft.

DATA AS OF 02/25/2014:

Name: NEILL AIRCRAFT CO.
Address: 1227 W COWLES ST
City,State,Zip: LONG BEACH, CA

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NEILL AIRCRAFT CO. (Continued)

U003660595

Region: LONG BEACH
Tanks: OT
Tank Test: Not reported
Leak Test: Not reported
Tank Status: Not reported

Y117
ENE
1/8-1/4
0.212 mi.
1117 ft.

H&S IRON WORKS
1501 DAISY AVE
LONG BEACH, CA

CA UST

U003920390
N/A

Site 1 of 3 in cluster Y

Relative:
Higher

LONG BEACH UST:

Actual:
14 ft.

DATA AS OF 02/25/2014:

Name: H&S IRON WORKS
Address: 1501 DAISY AVE
City,State,Zip: LONG BEACH, CA
Region: LONG BEACH
Tanks: OT
Tank Test: Not reported
Leak Test: Not reported
Tank Status: Not reported

Y118
ENE
1/8-1/4
0.212 mi.
1117 ft.

R & M ENTERPRISES
1501 DAISY AVE
LONG BEACH, CA 90813

CA LUST
CA HIST CORTESE
CA CERS

S102435591
N/A

Site 2 of 3 in cluster Y

Relative:
Higher

LUST:

Actual:
14 ft.

Name: R & M ENTERPRISES
Address: 1501 DAISY AVE
City,State,Zip: LONG BEACH, CA 90813
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603701938
Global Id: T0603701938
Latitude: 33.7861199
Longitude: -118.199797
Status: Completed - Case Closed
Status Date: 11/06/1996
Case Worker: YR
RB Case Number: 908130243
Local Agency: LONG BEACH, CITY OF
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:

Global Id: T0603701938
Contact Type: Local Agency Caseworker
Contact Name: CARMEN PIRO
Organization Name: LONG BEACH, CITY OF
Address: 2525 GRAND AVE.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

R & M ENTERPRISES (Continued)

S102435591

City: LONG BEACH
Email: carmen.piro@longbeach.gov
Phone Number: 5625704137

Global Id: T0603701938
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

LUST:

Global Id: T0603701938
Action Type: Other
Date: 03/11/1992
Action: Leak Discovery

Global Id: T0603701938
Action Type: Other
Date: 01/10/1989
Action: Leak Stopped

Global Id: T0603701938
Action Type: Other
Date: 07/06/1995
Action: Leak Reported

LUST:

Global Id: T0603701938
Status: Open - Case Begin Date
Status Date: 01/10/1989

Global Id: T0603701938
Status: Open - Site Assessment
Status Date: 06/30/1995

Global Id: T0603701938
Status: Open - Site Assessment
Status Date: 04/30/1996

Global Id: T0603701938
Status: Open - Remediation
Status Date: 06/05/1996

Global Id: T0603701938
Status: Open - Remediation
Status Date: 11/03/1996

Global Id: T0603701938
Status: Completed - Case Closed
Status Date: 11/06/1996

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

R & M ENTERPRISES (Continued)

S102435591

LUST REG 4:

Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facility Id:	908130243	
Status:	Case Closed	
Substance:	Gasoline	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Groundwater	
Abatement Method Used at the Site:		Not reported
Global ID:	T0603701938	
W Global ID:	Not reported	
Staff:	UNK	
Local Agency:	19060	
Cross Street:	015TH ST	
Enforcement Type:	Not reported	
Date Leak Discovered:	3/11/1992	
Date Leak First Reported:		7/6/1995
Date Leak Record Entered:	6/30/1995	
Date Confirmation Began:	6/30/1995	
Date Leak Stopped:	1/10/1989	
Date Case Last Changed on Database:		4/30/1997
Date the Case was Closed:		11/6/1996
How Leak Discovered:	Tank Closure	
How Leak Stopped:	Not reported	
Cause of Leak:	Overfill	
Leak Source:	UNK	
Operator:	RICHARD WHITESELL	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		15015.065590750350801097262421
Source of Cleanup Funding:		UNK
Preliminary Site Assessment Workplan Submitted:	4/30/1996	
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:	6/5/1996	
Remedial Action Underway:	11/3/1996	
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	BLANK RP	
RP Address:	1501 DAISY AVE LONG BEACH CA 90813	
Program:	LUST	
Lat/Long:	33.7857706 / -1	
Local Agency Staff:	Not reported	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

R & M ENTERPRISES (Continued)

S102435591

Assigned Name: Not reported
Summary: DEPTH TO GRNWTR 13FT BGS. IN SOIL ABOVE WATER TABLE HAVE: 15,000
MG/KG TPH, 830 MG/KG XYLENES: IN SOIL BELOW WATER TABLE HAVE 220
TPH, 2.6 XYLENES.

HIST CORTESE:

edr_fname: R & M ENTERPRISES
edr_fadd1: 1501 DAISY
City,State,Zip: LONG BEACH, CA 90813
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 908130243

CERS:

Name: R & M ENTERPRISES
Address: 1501 DAISY AVE
City,State,Zip: LONG BEACH, CA 90813
Site ID: 218604
CERS ID: T0603701938
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc: Regional Board Caseworker
Entity Name: YUE RONG - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: 320 W. 4TH ST., SUITE 200
Affiliation City: Los Angeles
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Local Agency Caseworker
Entity Name: CARMEN PIRO - LONG BEACH, CITY OF
Entity Title: Not reported
Affiliation Address: 2525 GRAND AVE.
Affiliation City: LONG BEACH
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 5625704137

U119
NNE
1/8-1/4
0.213 mi.
1124 ft.

SO CAL EDISON DAISY SUBSTATION
1700 OREGON ST
LONG BEACH, CA 90813

RCRA NonGen / NLR **1000597546**
FINDS **CAD983615618**

Site 4 of 4 in cluster U

Relative:
Lower

RCRA NonGen / NLR:
Date form received by agency: 1991-12-23 00:00:00.0
Facility name: SO CAL EDISON DAISY SUBSTATION
Site name: DAISY SUBSTATION
Facility address: 1700 OREGON ST
LONG BEACH, CA 90813
EPA ID: CAD983615618

Actual:
12 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SO CAL EDISON DAISY SUBSTATION (Continued)

1000597546

Mailing address: 2244 WALNUT GROVE AVE RM 407
ROSEMEAD, CA 91770
Contact: CARLOS MONTEZ
Contact address: 1700 OREGON ST
LONG BEACH, CA 90813
Contact country: US
Contact telephone: 818-302-9320
Contact email: Not reported
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: SARA M. DUVALL
Owner/operator address: P.O. BOX 800
ROSEMEAD, CA 91770
Owner/operator country: Not reported
Owner/operator telephone: 626-862-8458
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: SOUTHERN CALIF EDISON
Owner/operator address: PO BOX 800
ROSEMEAD, CA 91770
Owner/operator country: Not reported
Owner/operator telephone: 818-302-9320
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: SOUTHERN CALIFORNIA EDISON
Owner/operator address: PO BOX 800
ROSEMEAD, CA 91770
Owner/operator country: Not reported
Owner/operator telephone: 626-862-8458
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. Importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SO CAL EDISON DAISY SUBSTATION (Continued)

1000597546

Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 1991-12-23 00:00:00.0
Site name: SO CAL EDISON DAISY SUBSTATION
Classification: Not a generator, verified

Violation Status: No violations found

FINDS:

Registry ID: 110002866471
Facility URL: http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110002866471

Environmental Interest/Information System:

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

STATE MASTER

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

R120
NNE
1/8-1/4
0.214 mi.
1128 ft.

0730 W ESTHER ST
LONG BEACH, CA

Site 6 of 6 in cluster R

Relative:
Lower

LONG BEACH UST:

Actual:
12 ft.

DATA AS OF 02/25/2014:

Name: Not reported
Address: 0730 W ESTHER ST
City,State,Zip: LONG BEACH, CA
Region: LONG BEACH
Tanks: 0F
Tank Test: Not reported
Leak Test: Not reported
Tank Status: Not reported

CA UST **U003919980**
N/A

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

	Site	Database(s)	
Z121 ESE 1/8-1/4 0.215 mi. 1136 ft. Relative: Higher Actual: 16 ft.	0602 W ANAHEIM ST LONG BEACH, CA Site 1 of 2 in cluster Z LONG BEACH UST: DATA AS OF 02/25/2014: Name: Not reported Address: 0602 W ANAHEIM ST City,State,Zip: LONG BEACH, CA Region: LONG BEACH Tanks: 0T Tank Test: Not reported Leak Test: Not reported Tank Status: Not reported	CA UST	U003919741 N/A
AA122 East 1/8-1/4 0.220 mi. 1161 ft. Relative: Higher Actual: 13 ft.	P & M DIESEL SERVICE LLC 1433 DAISY AVE LONG BEACH, CA 90813 Site 1 of 4 in cluster AA RCRA NonGen / NLR: Date form received by agency: 2014-08-22 00:00:00.0 Facility name: P & M DIESEL SERVICE LLC Facility address: 1433 DAISY AVE LONG BEACH, CA 90813-1520 EPA ID: CAL000399954 Mailing address: PO BOX 91295 LONG BEACH, CA 90809-1295 Contact: MARK MULDER Contact address: 5363 E WALTON ST LONG BEACH, CA 90815 Contact country: Not reported Contact telephone: 562-628-0011 Contact email: MARK@PMDIESELSERVICE.COM EPA Region: 09 Classification: Non-Generator Description: Handler: Non-Generators do not presently generate hazardous waste Owner/Operator Summary: Owner/operator name: P & M DIESEL SERVICE LLC Owner/operator address: 5363 E WALTON ST LONG BEACH, CA 90815 Owner/operator country: Not reported Owner/operator telephone: 562-628-0011 Owner/operator email: Not reported Owner/operator fax: Not reported Owner/operator extension: Not reported Legal status: Other Owner/Operator Type: Owner Owner/Op start date: Not reported Owner/Op end date: Not reported Owner/operator name: MARK MULDER Owner/operator address: 5363 E WALTON ST LONG BEACH, CA 90815 Owner/operator country: Not reported	RCRA NonGen / NLR	1024846153 CAL000399954

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

P & M DIESEL SERVICE LLC (Continued)

1024846153

Owner/operator telephone: 562-628-0011
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: Yes
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

AA123
East
1/8-1/4
0.220 mi.
1161 ft.

LONG BEACH BLUEPRINT
1435 DAISY AVE
LONG BEACH, CA

CA UST **U003660626**
N/A

Site 2 of 4 in cluster AA

Relative:
Higher

LONG BEACH UST:

Actual:
13 ft.

DATA AS OF 02/25/2014:

Name: LONG BEACH BLUEPRINT
Address: 1435 DAISY AVE
City,State,Zip: LONG BEACH, CA
Region: LONG BEACH
Tanks: 4F
Tank Test: Not reported
Leak Test: Not reported
Tank Status: Not reported

W124
North
1/8-1/4
0.220 mi.
1162 ft.

OCEAN BLUE ENVIRONMENTAL
925 W ESTHER ST
LONG BEACH, CA 90813

CA HAULERS **S103676402**
CA HWP **N/A**
CA MWMP
CA CERS

Site 6 of 10 in cluster W

Relative:
Higher

HAULERS:

Actual:
16 ft.

Name: OCEAN BLUE ENVIRONMENTAL SERVICES, INC.
Address: 925 W ESTHER ST
City,State,Zip: LONG BEACH, CA 90813-1423
Facility ID: 1003834

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

OCEAN BLUE ENVIRONMENTAL (Continued)

S103676402

Facility Phone: (562) 624-4120
Business Email Address: wmejia@ocean-blue.com
Contact Person: WENDY MEJIA
Mailing Address: 3110 Hancock St
Mailing City: San Diego
Mailing State: CA
Mailing Zip: 92110-4415
Mailing County: Not reported
Mailing Phone: Not reported
Current Status: Active Business
Current Hauler Status: Hauler - Registered
Accepting Tires From Public: No
Regulatory Status Last Changed: 6/26/2003
Business Types: Hauler (Com Car, Ag, Gov Exempt)

HWP:

Name: ALLWASTE SERVICES, INC.
Address: 925 W ESTHER ST
City,State,Zip: LONG BEACH, CA 908130000
EPA Id: CAT080029952
Cleanup Status: CLOSED
Latitude: 33.78919
Longitude: -118.2035
Facility Type: Historical - Non-Operating
Facility Size: Not reported
Team: Not reported
Supervisor: Not reported
Site Code: N/A
Assembly District: 70
Senate District: 33
Public Information Officer: Not reported
Public Information Officer: Not reported

Closure:

EPA Id: CAT080029952
Facility Type: Historical - Non-Operating
Unit Names: Unit 1
Event Description: Closure Administrative - ISSUE CLOSURE VERIFICATION
Actual Date: 04/03/2017

Alias:

EPA Id: CAT080029952
Facility Type: Historical - Non-Operating
Alias Type: Project Code (Site Code)
Alias: N/A

MWMP:

Name: OCEAN BLUE ENVIRONMENTAL
Address: 925 W ESTHER ST
City,State,Zip: LONG BEACH, CA 90813
Facility Type: Medical Waste Management Program
Contact Name: Not reported
Contact Phone: 562-624-4120
Registration Number: 3354

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

OCEAN BLUE ENVIRONMENTAL (Continued)

S103676402

CERS:

Name: ALLWASTE SERVICES, INC.
Address: 925 W ESTHER ST
City,State,Zip: LONG BEACH, CA 908130000
Site ID: 222288
CERS ID: CAT080029952
CERS Description: Hazardous Waste

Affiliation:

Affiliation Type Desc: Facility Contact
Entity Name: UNDELIVERABLE PER 93 FEE FORM
Entity Title: Not reported
Affiliation Address: 3040 POST OAK BLVD., STE. 1300
Affiliation City: HOUSTON
Affiliation State: TX
Affiliation Country: Not reported
Affiliation Zip: 770560000
Affiliation Phone: 3105908626

Affiliation Type Desc: Facility Owner
Entity Name: JOSEPH A CASE, PRES
Entity Title: Not reported
Affiliation Address: 160 RIVO ALTO CANAL
Affiliation City: LONG BEACH
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 908030000
Affiliation Phone: 0000000000

W125
North
1/8-1/4
0.220 mi.
1162 ft.

OCEAN BLUE ENVIRONMENTAL SVC
925 W ESTHER ST
LONG BEACH, CA 90813

RCRA NonGen / NLR
PADS
FINDS
ECHO

1000596842
CAD983608258

Site 7 of 10 in cluster W

Relative:
Higher

RCRA NonGen / NLR:

Actual:
16 ft.

Date form received by agency: 1994-07-27 00:00:00.0
Facility name: OCEAN BLUE ENVIRONMENTAL SERVICES INC
Site name: OCEAN BLUE ENVIRONMENTAL SVC
Facility address: 925 W ESTHER ST
LONG BEACH, CA 90813
EPA ID: CAD983608258
Mailing address: 4119 COLORADO ST
LONG BEACH, CA 90814
Contact: SCOTT TRACY
Contact address: 925 W ESTHER ST
LONG BEACH, CA 90813
Contact country: US
Contact telephone: 310-433-2726
Contact email: Not reported
EPA Region: 09
Land type: Facility is not located on Indian land. Additional information is not known.
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

OCEAN BLUE ENVIRONMENTAL SVC (Continued)

1000596842

Owner/operator name: OCEAN BLUE ENVIRONMENTAL SVC
Owner/operator address: 925 W ESTHER ST
LONG BEACH, CA 90813
Owner/operator country: Not reported
Owner/operator telephone: 310-433-2726
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: MARIA LEE
Owner/operator address: 925 W ESTHER ST
LONG BEACH, CA 90813
Owner/operator country: Not reported
Owner/operator telephone: 562-624-4120
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: JUSTIN LEE
Owner/operator address: 925 W ESTHER ST
LONG BEACH, CA 90813
Owner/operator country: Not reported
Owner/operator telephone: 562-624-4120
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: Yes
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

OCEAN BLUE ENVIRONMENTAL SVC (Continued)

1000596842

Historical Generators:

Date form received by agency: 1991-09-24 00:00:00.0
Site name: OCEAN BLUE ENVIRONMENTAL SERVICES INC
Classification: Not a generator, verified

Facility Has Received Notices of Violations:

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 2002-11-06 00:00:00.0
Date achieved compliance: 2002-11-21 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2002-11-06 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

PADS:

Name: OCEAN BLUE ENVIRONMENTAL SVC
Address: 925 W ESTHER ST
Address 2: Not reported
City,State,Zip: LONG BEACH, CA 90813
EDR ID: 1000596842
EPAID: CAD983608258
Region: 9
Generator: N
Storer: N
Disposer: N
Transporter: Y
Smelter: N
Research Facility: N
Mailing Address: 925 W ESTER ST.
Mailing Address 2: Not reported
Mailing City: LONG BEACH
Mailing State: CA
Mailing Zip: 90813
Mailing Country: US
Owner Name: RON DARE
Certification Date: 04/10/2013
Contact Name: RON DARE
Contact Title: PRESIDENT
Contact Telephone: 562-624-4120
Contact Text: Not reported
Contact Email: Not reported

FINDS:

Registry ID: 110070584204
Facility URL: http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110070584204

Environmental Interest/Information System:

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport,

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

OCEAN BLUE ENVIRONMENTAL SVC (Continued)

1000596842

and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Registry ID: 110002862741

Facility URL: http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110002862741

Environmental Interest/Information System:

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1000596842

Registry ID: 110002862741

DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110002862741>

Name: OCEAN BLUE ENVIRONMENTAL SERVICES INC

Address: 925 W ESTHER ST

City,State,Zip: LONG BEACH, CA 90813

W126
North
1/8-1/4
0.220 mi.
1162 ft.

OCEAN BLUE ENVIRONMENTAL SERVICES, INC.
925 WEST ESTHER STREET
LONG BEACH, CA 90813

CA HWT **S108487598**
N/A

Site 8 of 10 in cluster W

Relative:
Higher

HWT:

Name: OCEAN BLUE ENVIRONMENTAL SERVICES, INC.

Address: 925 WEST ESTHER STREET

City,State,Zip: LONG BEACH, CA 90813

Reg Num: 3354

Expiration Date: 10/31/2020

Actual:
16 ft.

W127
North
1/8-1/4
0.220 mi.
1162 ft.

EAGLE MARINE SERVICES LIMITED
925 W ESTHER ST
SAN PEDRO, CA 90813

CA CERS HAZ WASTE **S112938572**
CA HAZNET **N/A**
CA CERS
CA HWTS

Site 9 of 10 in cluster W

Relative:
Higher

CERS HAZ WASTE:

Name: OCEAN BLUE ENVIRONMENTAL SERVICES

Address: 925 W ESTHER ST

City,State,Zip: LONG BEACH, CA 90813

Site ID: 432212

CERS ID: 10618846

CERS Description: Hazardous Waste Generator

Actual:
16 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EAGLE MARINE SERVICES LIMITED (Continued)

S112938572

HAZNET:

Name: EAGLE MARINE SERVICES LIMITED
Address: 925 W ESTHER ST
Address 2: Not reported
City,State,Zip: SAN PEDRO, CA 90813
Contact: SAM JEBANAWTHAN, MNGR-SAFTEY
Telephone: 3105488956
Mailing Name: Not reported
Mailing Address: 614 TERMINAL WAY

Year: 2004
Gepaid: CAC002579166
TSD EPA ID: CAD982444481
CA Waste Code: 223 - Unspecified oil-containing waste
Disposal Method: H01 - Transfer Station
Tons: 1.45

Additional Info:

Year: 2004
Gen EPA ID: CAC002579166

Shipment Date: 20040617
Creation Date: 11/1/2004 12:36:11
Receipt Date: 20040625
Manifest ID: 22903381
Trans EPA ID: CAD983608258
Trans Name: OCEAN BLUE ENVIRONMENTAL SRVCS
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD982444481
Trans Name: FILTER RECYCLING
TSDF Alt EPA ID: CAD982444481
TSDF Alt Name: Not reported
CA Waste Code: 223 - Unspecified oil-containing waste
RCRA Code: Not reported
Disposal Method: H01 - Transfer Station
Quantity Tons: 0.75
Waste Quantity: 1500
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20040617
Creation Date: 11/1/2004 12:36:11
Receipt Date: 20040625
Manifest ID: 22903381
Trans EPA ID: CAD983608258
Trans Name: OCEAN BLUE ENVIRONMENTAL SRVCS
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD982444481
Trans Name: FILTER RECYCLING

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EAGLE MARINE SERVICES LIMITED (Continued)

S112938572

TSDF Alt EPA ID: CAD982444481
TSDF Alt Name: Not reported
CA Waste Code: 223 - Unspecified oil-containing waste
RCRA Code: Not reported
Disposal Method: H01 - Transfer Station
Quantity Tons: 0.7
Waste Quantity: 1400
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

CERS:

Name: OCEAN BLUE ENVIRONMENTAL SERVICES
Address: 925 W ESTHER ST
City,State,Zip: LONG BEACH, CA 90813
Site ID: 432212
CERS ID: 10618846
CERS Description: Chemical Storage Facilities

Violations:

Site ID: 432212
Site Name: OCEAN BLUE ENVIRONMENTAL SERVICES
Violation Date: 06-14-2018
Citation: HSC 6.11 25404(e)(4) - California Health and Safety Code, Chapter 6.11, Section(s) 25404(e)(4)
Violation Description: Failure to report program data electronically.
Violation Notes: Returned to compliance on 07/24/2018. Complete all three elements of a Hazardous Materials Business Plan on CERS ID#10618846. Call Inspector Erdman at 562-570-2571 for help on CERS if needed. Work with Inspector Erdman to obtain final approval of your HMBP.
Violation Division: Long Beach Environmental Health
Violation Program: HW
Violation Source: CERS

Site ID: 432212
Site Name: OCEAN BLUE ENVIRONMENTAL SERVICES
Violation Date: 06-14-2018
Citation: HSC 6.5 25123.3(h)(1) - California Health and Safety Code, Chapter 6.5, Section(s) 25123.3(h)(1)
Violation Description: Failure to send hazardous waste offsite for treatment, storage, or disposal within 180 days (or 270 days if waste is transported over 200 miles) for a generator who generates less than 1000 kilogram per month if all of the following conditions are met: (1) The quantity of hazardous waste accumulated onsite never exceeds 6,000 kilograms. (2) The generator complies with the requirements of 40 Code of Federal Regulations section 262.34(d), (e) and (f). (3) The generator does not hold acutely hazardous waste or extremely hazardous waste in an amount greater than one kilogram for more than 90 days.
Violation Notes: Returned to compliance on 07/24/2018. A full drum of used oil a and full drum of diesel contaminated absorbent appears to have exceeded the 180 day accumulation time limit. Please dispose of this hazardous waste and retain documentation for re-inspection.
Violation Division: Long Beach Environmental Health
Violation Program: HW

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EAGLE MARINE SERVICES LIMITED (Continued)

S112938572

Violation Source: CERS

Site ID: 432212
Site Name: OCEAN BLUE ENVIRONMENTAL SERVICES
Violation Date: 06-14-2018
Citation: 40 CFR 1 265.31 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.31
Violation Description: Failure to maintain and operate the facility to minimize the possibility of a fire, explosion, or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents to air, soil, or surface water which could threaten human health or the environment.
Violation Notes: Returned to compliance on 07/24/2018. Fire extinguishers throughout the site need servicing or replacement.
Violation Division: Long Beach Environmental Heath
Violation Program: HW
Violation Source: CERS

Site ID: 432212
Site Name: OCEAN BLUE ENVIRONMENTAL SERVICES
Violation Date: 04-07-2016
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Returned to compliance on 05/02/2016.
Violation Division: Long Beach Environmental Heath
Violation Program: HMRRP
Violation Source: CERS

Site ID: 432212
Site Name: OCEAN BLUE ENVIRONMENTAL SERVICES
Violation Date: 04-07-2016
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description: Business Plan Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 05/02/2016. PROVIDE COPY OF CURRENT CUPA PERMIT.
Violation Division: Long Beach Environmental Heath
Violation Program: HMRRP
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-24-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Long Beach Fire Department Hazardous Materials Specialist, Brian Erdman was on site to conduct a Hazardous Materials Business Emergency Plan inspection. The purpose of the HMBEP is to assist the LBFD during an emergency response to this facility. Bill Piekkola provided consent to conduct an inspection and tour the facility. Any facility that stores Hazardous Materials / Wastes equal to or greater than 55 gallons of a liquid, 500 pounds of solid, or 200 cubic feet of a gas is required to complete an electronic HMBEP to the California Environmental Response System (CERS) at <https://cers.calepa.ca.gov/> .

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EAGLE MARINE SERVICES LIMITED (Continued)

S112938572

The facility has the following hazardous materials being stored at a reportable volume this time. - Propane - Acetylene - Oxygen - Diesel Fuel - Air - Gasoline - Diesel Exhaust Fluid - Simple Green - Motor Oil - Waste Paint (Aerosol Cans) The Hazardous Materials Buesiness Emergency Plan was submitted during this inspection. CERS (10618846) For [Truncated]

Eval Division: Long Beach Environmental Heath
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-07-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Long Beach Environmental Heath
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-14-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Routine inspection with violations of a Hazardous Waste Contractor Maintenance Yard. Consent to inspect given by Bill Piekola. Re-inspection on or after 7/16/18.

Eval Division: Long Beach Environmental Heath
Eval Program: HW
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 07-23-2013
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: FOLLOWUP TO 4/22/203 ROUTINE. 1010004 VIOLATION OUTSTANDING. VIOLATION CORRECTED 10/24/2013.

Eval Division: Long Beach Environmental Heath
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 03-21-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Routine inspection with no violations of the City's Hazardous Waste Contractor.

Eval Division: Long Beach Environmental Heath
Eval Program: HW
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 10-17-2013
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Re-inspection to confirm correction of previous violations cited during 8/13/13 Routine Inspection.

Eval Division: Long Beach Environmental Heath

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EAGLE MARINE SERVICES LIMITED (Continued)

S112938572

Eval Program: HW
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 10-24-2013
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: 2ND FOLLOWUP TO 4/22/2013 ROUTINE. PREVIOUS 1010004 VIOLATION CORRECTED.

Eval Division: Long Beach Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 07-24-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Re-inspection with no violations of Hazardous Waste Contractor Maintenance Yard. A HMBP submittal was completed on CERS ID#10618846 on 7/16/18. The generator is working with Inspector Erdman to complete all three elements of a HMBP. Used oil, used anti-freeze and used absorbents have been properly disposed of with documentation retained on site. Fire extinguishers have either been replaced or serviced and re-tagged. This is a joint inspection with LBFP Inspector Erdman. A copy of this Haz Waste OIR was e-mailed to Bpiekkola@ocean-blue.com.

Eval Division: Long Beach Environmental Health
Eval Program: HW
Eval Source: CERS

Coordinates:

Site ID: 432212
Facility Name: OCEAN BLUE ENVIRONMENTAL SERVICES
Env Int Type Code: HMBP
Program ID: 10618846
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 33.789140
Longitude: -118.203580

Affiliation:

Affiliation Type Desc: Environmental Contact
Entity Name: RON DARE
Entity Title: Not reported
Affiliation Address: 925 W Esther St
Affiliation City: Long Beach
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90813
Affiliation Phone: Not reported

Affiliation Type Desc: Document Preparer
Entity Name: BILL PIEKKOLA
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EAGLE MARINE SERVICES LIMITED (Continued)

S112938572

Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Property Owner
Entity Name:	CASE FAMILY TRUST / JOE CASEE
Entity Title:	Not reported
Affiliation Address:	5564 NAPLES CANAL
Affiliation City:	LONG BEACH
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90803
Affiliation Phone:	(562) 618-3834
Affiliation Type Desc:	CUPA District
Entity Name:	Long Beach Environmental Heath
Entity Title:	Not reported
Affiliation Address:	2525 Grand Avenue
Affiliation City:	Long Beach
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90815
Affiliation Phone:	(562) 570-4131
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	925 WEST ESTHER STREET
Affiliation City:	LONG BEACH
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90813
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	Ocean Blue Environmental Services
Entity Title:	Not reported
Affiliation Address:	925 WEST ESTHER
Affiliation City:	LONG BEACH
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90813
Affiliation Phone:	(562) 624-4120
Affiliation Type Desc:	Identification Signer
Entity Name:	BILL PIEKKOLA
Entity Title:	SUPERVISOR
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Operator
Entity Name:	Ocean Blue Environmental Services
Entity Title:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EAGLE MARINE SERVICES LIMITED (Continued)

S112938572

Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (562) 624-4120

Affiliation Type Desc: Parent Corporation
Entity Name: Ocean Blue Environmental Services
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

HWTS:

Name: EAGLE MARINE SERVICES LIMITED
Address: 925 W ESTHER ST
Address 2: Not reported
City,State,Zip: SAN PEDRO, CA 90813
EPA ID: CAC002579166
Inactive Date: 03/07/2005
Create Date: 06/24/2004
Last Act Date: 03/07/2005
Mailing Name: Not reported
Mailing Address: 614 TERMINAL WAY
Mailing Address 2: Not reported
Mailing City,State,Zip: SAN PEDRO, CA 907310000
Owner Name: AMERICAN PRESIDENT LINE LMTD
Owner Address: 1111 BROADWAY
Owner Address 2: Not reported
Owner City,State,Zip: OAKLAND, CA 94607
Contact Name: SAM JEBANAWTHAN, MNGR-SAFTEY
Contact Address: 614 TERMINAL WAY
Contact Address 2: Not reported
City,State,Zip: SAN PEDRO, CA 907310000

W128
North
1/8-1/4
0.220 mi.
1162 ft.

925 W ESTHER ST
LONG BEACH, CA 90813

Site 10 of 10 in cluster W

RCRA NonGen / NLR

1025840813
CAC003020418

Relative:
Higher

RCRA NonGen / NLR:
Date form received by agency: 2019-06-19 00:00:00.0

Actual:
16 ft.

Facility name: Not reported
Facility address: 925 W ESTHER ST
LONG BEACH, CA 90813

EPA ID: CAC003020418
Mailing address: 3939 KARLOV AVE
CHICAGO, IL 60632

Contact: CHUANGYI METAL CORP.
Contact address: 3939 KARLOV AVE
CHICAGO, IL 60632

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

1025840813

Contact country: Not reported
Contact telephone: 773-254-7878
Contact email: DOC@CHUANGYIMETALS.COM
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: CHUANGYI METAL CORP.
Owner/operator address: 3939 KARLOV AVE
CHICAGO, IL 60632
Owner/operator country: Not reported
Owner/operator telephone: 773-254-7878
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: CHUANGYI METAL CORP.
Owner/operator address: 925 W ESTHER ST
LONG BEACH, CA 90813
Owner/operator country: Not reported
Owner/operator telephone: 773-254-7878
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. Importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: Yes
Treater, storer or disposer of HW: Yes
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

V129
ESE
1/8-1/4
0.235 mi.
1242 ft.
SMITH BROTHERS AUTO REPAIR
0551 W ANAHEIM ST
LONG BEACH, CA
Site 3 of 9 in cluster V

CA UST **U003660141**
N/A

Relative:
Higher

LONG BEACH UST:

Actual:
16 ft.

DATA AS OF 02/25/2014:

Name: SMITH BROTHERS AUTO REPAIR
Address: 0551 W ANAHEIM ST
City,State,Zip: LONG BEACH, CA
Region: LONG BEACH
Tanks: 0F
Tank Test: Not reported
Leak Test: Not reported
Tank Status: Not reported

V130
ESE
1/8-1/4
0.235 mi.
1242 ft.
EXXONMOBIL 99LBC
551 WEST ANAHEIM STREET
LONG BEACH, CA 90813
Site 4 of 9 in cluster V

CA LUST **S112273485**
CA CERS **N/A**

Relative:
Higher

LUST:

Actual:
16 ft.

Name: EXXONMOBIL 99LBC
Address: 551 WEST ANAHEIM STREET
City,State,Zip: LONG BEACH, CA 90813
Lead Agency: LONG BEACH, CITY OF
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T10000004446
Global Id: T10000004446
Latitude: 33.782924
Longitude: -118.199158
Status: Completed - Case Closed
Status Date: 01/03/2013
Case Worker: CP
RB Case Number: Not reported
Local Agency: LONG BEACH, CITY OF
File Location: Not reported
Local Case Number: PR0020980
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline, Waste Oil / Motor / Hydraulic / Lubricating
Site History: Not reported

LUST:

Global Id: T10000004446
Contact Type: Local Agency Caseworker
Contact Name: CARMEN PIRO
Organization Name: LONG BEACH, CITY OF
Address: 2525 GRAND AVE.
City: LONG BEACH
Email: carmen.piro@longbeach.gov
Phone Number: 5625704137

LUST:

Global Id: T10000004446
Action Type: ENFORCEMENT
Date: 01/03/2013
Action: Closure/No Further Action Letter

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EXXONMOBIL 99LBC (Continued)

S112273485

Global Id: T10000004446
Action Type: Other
Date: 03/13/2012
Action: Leak Reported

Global Id: T10000004446
Action Type: Other
Date: 10/12/2010
Action: Leak Discovery

Global Id: T10000004446
Action Type: Other
Date: 10/24/2012
Action: Leak Stopped

LUST:

Global Id: T10000004446
Status: Open - Case Begin Date
Status Date: 10/12/2010

Global Id: T10000004446
Status: Open - Assessment & Interim Remedial Action
Status Date: 11/16/2012

Global Id: T10000004446
Status: Completed - Case Closed
Status Date: 01/03/2013

CERS:

Name: EXXONMOBIL 99LBC
Address: 551 WEST ANAHEIM STREET
City,State,Zip: LONG BEACH, CA 90813
Site ID: 223202
CERS ID: T10000004446
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc: Local Agency Caseworker
Entity Name: CARMEN PIRO - LONG BEACH, CITY OF
Entity Title: Not reported
Affiliation Address: 2525 GRAND AVE.
Affiliation City: LONG BEACH
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 5625704137

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

V131
ESE
1/8-1/4
0.235 mi.
1242 ft.
Site 5 of 9 in cluster V

CA CERS HAZ WASTE
CA CERS
S113785376
N/A

Relative:
Higher
Actual:
16 ft.

CERS HAZ WASTE:
Name: COLOR KING WORLD
Address: 551 W ANAHEIM ST
City,State,Zip: LONG BEACH, CA 90813
Site ID: 364902
CERS ID: 10623046
CERS Description: Hazardous Waste Generator

CERS:
Name: COLOR KING WORLD
Address: 551 W ANAHEIM ST
City,State,Zip: LONG BEACH, CA 90813
Site ID: 364902
CERS ID: 10623046
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 364902
Site Name: COLOR KING WORLD
Violation Date: 03-01-2018
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes: Returned to compliance on 09/11/2018. OBSERVATION: Failure to annually review and electronically certify that the business plan is complete, accurate, and up-to-date. CORRECTIVE ACTION: Annually review and electronically certify that the business plan is complete, accurate, and up-to-date.
Violation Division: Long Beach Environmental Heath
Violation Program: HMRRP
Violation Source: CERS

Site ID: 364902
Site Name: COLOR KING WORLD
Violation Date: 03-17-2015
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to establish and electronically submit an adequate training program in safety procedures in the event of a release or threatened release of a hazardous material.
Violation Notes: Returned to compliance on 02/25/2016.
Violation Division: Long Beach Environmental Heath
Violation Program: HMRRP
Violation Source: CERS

Site ID: 364902
Site Name: COLOR KING WORLD
Violation Date: 01-22-2019
Citation: HSC 6.5 25123.3(h)(1) - California Health and Safety Code, Chapter 6.5, Section(s) 25123.3(h)(1)
Violation Description: Failure to send hazardous waste offsite for treatment, storage, or

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

COLOR KING WORLD (Continued)

S113785376

disposal within 180 days (or 270 days if waste is transported over 200 miles) for a generator who generates less than 1000 kilogram per month if all of the following conditions are met: (1) The quantity of hazardous waste accumulated onsite never exceeds 6,000 kilograms. (2) The generator complies with the requirements of 40 Code of Federal Regulations section 262.34(d), (e) and (f). (3) The generator does not hold acutely hazardous waste or extremely hazardous waste in an amount greater than one kilogram for more than 90 days.

Violation Notes: Returned to compliance on 03/05/2019. A full drum of paint related waste appears to have been stored on site for longer than 180 day accumulation. Dispose of this drum of haz waste and retain documentation for re-inspection. Also, replace 30 gallon drum because it can no longer be closed.

Violation Division: Long Beach Environmental Heath
Violation Program: HW
Violation Source: CERS

Site ID: 364902
Site Name: COLOR KING WORLD
Violation Date: 03-01-2018
Citation: Un-Specified
Violation Description: Business Plan Program - Administration/Documentation - General Local Ordinance

Violation Notes: Returned to compliance on 09/10/2018. The electrical panel was observed blocked by a rolling table and a plywood panel. Access to the electrical panel must be available. Please clear the area directly in front of the electrical panel and ensure that access to the electrical panel can be made at all times.

Violation Division: Long Beach Environmental Heath
Violation Program: HMRRP
Violation Source: CERS

Site ID: 364902
Site Name: COLOR KING WORLD
Violation Date: 01-22-2019
Citation: 40 CFR 1 265.171 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.171
Violation Description: Failure to accumulate hazardous waste in a container that is in good condition.

Violation Notes: Returned to compliance on 03/05/2019. The 30 gallon drum used to store paint related waste must be replaced prior to re-inspection because it can no longer be closed.

Violation Division: Long Beach Environmental Heath
Violation Program: HW
Violation Source: CERS

Site ID: 364902
Site Name: COLOR KING WORLD
Violation Date: 01-22-2019
Citation: 40 CFR 1 265.173 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.173
Violation Description: Failure to meet the following container management requirements: (a) A container holding hazardous waste must always be closed during storage, except when it is necessary to add or remove waste. (b) A container holding hazardous waste must not be opened, handled, or stored in a manner which may rupture the container or cause it to leak.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

COLOR KING WORLD (Continued)

S113785376

Violation Notes: Returned to compliance on 03/05/2019. Clean up and cover several small cups of paint and paint solvents on the shop area table as soon as possible. Re-inspection on or after 2/22/19.
Violation Division: Long Beach Environmental Health
Violation Program: HW
Violation Source: CERS

Site ID: 364902
Site Name: COLOR KING WORLD
Violation Date: 03-17-2015
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description: Business Plan Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 04/23/2015. OBTAIN CUPA PERMIT. LBMC 8.87.040.

Violation Division: Long Beach Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 364902
Site Name: COLOR KING WORLD
Violation Date: 02-18-2015
Citation: HSC 6.11 25404.1 - California Health and Safety Code, Chapter 6.11, Section(s) 25404.1

Violation Description: Failure to obtain and/or maintain an active hazardous waste generator permit.

Violation Notes: Returned to compliance on 03/24/2015.
Violation Division: Long Beach Environmental Health
Violation Program: HW
Violation Source: CERS

Site ID: 364902
Site Name: COLOR KING WORLD
Violation Date: 11-06-2013
Citation: HSC 6.95 25507 - California Health and Safety Code, Chapter 6.95, Section(s) 25507

Violation Description: Failure to adequately establish and implement a business plan when storing/handling a hazardous material at or above reportable quantities.

Violation Notes: Returned to compliance on 03/26/2014.
Violation Division: Long Beach Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 364902
Site Name: COLOR KING WORLD
Violation Date: 03-17-2015
Citation: HSC 6.11 25404(e)(4) - California Health and Safety Code, Chapter 6.11, Section(s) 25404(e)(4)

Violation Description: Failure to report program data electronically.

Violation Notes: Returned to compliance on 02/25/2016.
Violation Division: Long Beach Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 364902
Site Name: COLOR KING WORLD

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

COLOR KING WORLD (Continued)

S113785376

Violation Date: 05-17-2017
Citation: 22 CCR 12 66262.40(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(a)
Violation Description: Failure to keep a copy of each properly signed manifest for at least three years from the date the waste was accepted by the initial transporter. The manifest signed at the time the waste was accepted for transport shall be kept until receiving a signed copy from the designated facility which received the waste.
Violation Notes: Returned to compliance on 07/11/2017. Disposal records for paint related waste was not available at the time of inspection. Obtain these records prior to re-inspection on or after 30 days.
Violation Division: Long Beach Environmental Heath
Violation Program: HW
Violation Source: CERS

Site ID: 364902
Site Name: COLOR KING WORLD
Violation Date: 02-18-2015
Citation: 22 CCR 12 66262.12 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.12
Violation Description: Failure to obtain and/or maintain an Active EPA ID.
Violation Notes: Returned to compliance on 03/24/2015.
Violation Division: Long Beach Environmental Heath
Violation Program: HW
Violation Source: CERS

Site ID: 364902
Site Name: COLOR KING WORLD
Violation Date: 02-25-2014
Citation: HSC 6.95 25503.5(a) - California Health and Safety Code, Chapter 6.95, Section(s) 25503.5(a)
Violation Description: Owner/Operator failed to establish and implement a Hazardous Materials Business Plan when storing hazardous materials at or above the thresholds quantities of 55 gallons/500 lbs/200 cubic feet.
Violation Notes: Returned to compliance on 03/26/2014.
Violation Division: Long Beach Environmental Heath
Violation Program: HMRRP
Violation Source: CERS

Site ID: 364902
Site Name: COLOR KING WORLD
Violation Date: 02-18-2015
Citation: 40 CFR 1 265.31 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.31
Violation Description: Failure to maintain and operate the facility to minimize the possibility of a fire, explosion, or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents to the air, soil, or surface water which could threaten human health or the environment..
Violation Notes: Returned to compliance on 03/24/2015. get fire extinguishers re-tagged and serviced
Violation Division: Long Beach Environmental Heath
Violation Program: HW
Violation Source: CERS

Site ID: 364902
Site Name: COLOR KING WORLD

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

COLOR KING WORLD (Continued)

S113785376

Violation Date: 03-01-2018
Citation: Un-Specified
Violation Description: Business Plan Program - Administration/Documentation - General Local Ordinance
Violation Notes: Returned to compliance on 09/10/2018. The City Business License is not posted in the facility. Ensure a copy of the valid Business License is posted in the facility available for review. A follow-up inspection will be conducted to ensure a valid Business License is posted in the facility.
Violation Division: Long Beach Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Evaluation:
Eval General Type: Other/Unknown
Eval Date: 09-10-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: On site to follow-up on the outstanding violations. Met with Irma Navarro. The facility has posted a current Business License. The Electrical Panel was observed clear of obstructions, The Hazardous Materials Business Emergency Plan is complete and accepted in CERS. No outstanding violations remain.
Eval Division: Long Beach Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 02-18-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: OUT OF BUSINESS.
Eval Division: Long Beach Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-01-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Long Beach Fire Department Hazardous Materials Specialist, Brian Erdman was on site to conduct a routine Hazardous Materials Business Emergency Plan inspection. The purpose of the HMBEP is to assist the LBFD during an emergency response to this facility. I met with Irma Navarro and consent to conduct an inspection and tour the facility was provided. Any facility that stores Hazardous Materials at or above a reportable volume is required to complete an electronic HMBEP to the California Environmental Response System (CERS) at <https://cers.calepa.ca.gov/> annually by March 1 of every year or when a significant change in the volume is made. The facility has not submitted the HMBEP in CERS as of 2-25-2016. Please submit the HMBEP in CERS immediately (see violation). The reportable volume for Hazardous Materials or mixture is equal to or greater than 55 gallons of a liquid, 500 pounds of solid, or 200 cubic feet of a gas. Hazardous Wastes must be reported when stored [Truncated]
Eval Division: Long Beach Environmental Health
Eval Program: HMRRP

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

COLOR KING WORLD (Continued)

S113785376

Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 04-23-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: FOLLOWUP TO 3/17/2015 ROUTINE. TWO VIOLATIONS OUTSTANDING.
Eval Division: Long Beach Environmental Heath
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 02-25-2014
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: 5TH FOLLOWUP TO 8/14/2012 ROUTINE
Eval Division: Long Beach Environmental Heath
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 03-24-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Re-inspection w/ no violations of an auto body and paint shop that is seeking a new business license. The LB Business will be notified of the LBDHHS approval.
Eval Division: Long Beach Environmental Heath
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-22-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Routine inspection with violations of an auto body and paint shop. Dispose of full drum of paint related waste and retain documentation for re-inspection. Also, replace 30 gallon drum for storing paint related waste because it can no longer be closed. Cover several small paper cups of paint and paint solvent and clean up shop table area. Correct all violations prior to re-inspection on or after 2/22/19. A copy of this OIR was emailed to Irma_navarro1523@yahoo.com.
Eval Division: Long Beach Environmental Heath
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-18-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Single business license inspection w/ violations of an auto body and paint shop that is changing ownership.
Eval Division: Long Beach Environmental Heath
Eval Program: HW
Eval Source: CERS

Eval General Type: Other/Unknown

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

COLOR KING WORLD (Continued)

S113785376

Eval Date:	03-05-2019
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Re-inspection to confirm correction of previous violations. Housekeeping has improved and small containers of paint or solvent are covered or closed. A new 30 gallon drum has been obtained for storing paint waste and related disposal documentation was available at time of inspection. No violations. A copy of this OIR was emailed to Irma_navarro1523@yahoo.com.
Eval Division:	Long Beach Environmental Heath
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	03-17-2015
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	OUT OF BUSINESS
Eval Division:	Long Beach Environmental Heath
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-17-2015
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Long Beach Environmental Heath
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-17-2017
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Routine inspection with a violation of an auto body and paint shop.
Eval Division:	Long Beach Environmental Heath
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	07-11-2017
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Re-inspection with no violations of an auto body and paint shop. A recent disposal record for paint related waste was available at the time of inspection. Manifest #017002014JJK.
Eval Division:	Long Beach Environmental Heath
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	11-06-2013
Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency
Eval Notes:	4TH FOLLOWUP TO 8/14/2012 ROUTINE
Eval Division:	Long Beach Environmental Heath

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

COLOR KING WORLD (Continued)

S113785376

Eval Program: HMRRP
Eval Source: CERS

Enforcement Action:

Site ID: 364902
Site Name: COLOR KING WORLD
Site Address: 551 W ANAHEIM ST
Site City: LONG BEACH
Site Zip: 90813
Enf Action Date: 08-01-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: COLOR KING POSSESSED CITY BUSINESS LICENSE FOR MAJOR AUTO REPAIR. HOWEVER, COLOR KING SUBLEASED 3 SERVICE BAYS TO GUERO'S AUTO MECHANIC, AN UNLICENSED MAJOR AUTO REPAIR BUSINESS. VERBAL ADVISAL TO MANAGER OF COLOR KING THAT SUBLEASE TO UNLICENSED PERSONS IS VIOLATION OF LBMC 3.80.423. COLOR KING IS NO LONGER IN BUSINESS. ISSUED WRITTEN NOV TO EMPLOYEE OF GUERO'S, ADVISING OF LICENSING AND CUPA PERMIT REQUIREMENT. GUERO'S AUTO MECHANIC IS NO LONGER IN BUSINESS.
Enf Action Division: Long Beach Environmental Health
Enf Action Program: UNSPEC
Enf Action Source: CERS

Coordinates:

Site ID: 364902
Facility Name: COLOR KING WORLD
Env Int Type Code: HWG
Program ID: 10623046
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 33.782920
Longitude: -118.199160

Affiliation:

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 551 WEST ANAHEIM STREET
Affiliation City: LONG BEACH
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90813
Affiliation Phone: Not reported

Affiliation Type Desc: Parent Corporation
Entity Name: COLOR KING WORLD
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Document Preparer
Entity Name: yvette mendez

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

COLOR KING WORLD (Continued)

S113785376

Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Environmental Contact
Entity Name: IRMA NAVARRO
Entity Title: Not reported
Affiliation Address: 551 W ANAHEIM STREET
Affiliation City: LONG BEACH
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90813
Affiliation Phone: Not reported

Affiliation Type Desc: Identification Signer
Entity Name: YVETTE MENDEZ
Entity Title: OWNER
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Operator
Entity Name: YVETTE MENDEZ
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (310) 987-1196

Affiliation Type Desc: Legal Owner
Entity Name: YVETTE MENDEZ
Entity Title: Not reported
Affiliation Address: 17644 HATTERAS ST
Affiliation City: ENCINO
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 91316
Affiliation Phone: (310) 987-1196

Affiliation Type Desc: CUPA District
Entity Name: Long Beach Environmental Heath
Entity Title: Not reported
Affiliation Address: 2525 Grand Avenue
Affiliation City: Long Beach
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90815
Affiliation Phone: (562) 570-4131

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

V132
ESE
1/8-1/4
0.235 mi.
1242 ft.

COLOR KING WORLD
551 W ANAHEIM ST
LONG BEACH, CA 90813

Site 6 of 9 in cluster V

RCRA NonGen / NLR

1024848696
CAL000404545

Relative:
Higher

Actual:
16 ft.

RCRA NonGen / NLR:

Date form received by agency: 2015-02-19 00:00:00.0

Facility name: COLOR KING WORLD

Facility address: 551 W ANAHEIM ST
LONG BEACH, CA 90813-2815

EPA ID: CAL000404545

Contact: IRMA NAVARRO

Contact address: 551 W ANAHEIM ST
LONG BEACH, CA 90813-2815

Contact country: Not reported

Contact telephone: 310-987-1196

Contact email: Not reported

EPA Region: 09

Classification: Non-Generator

Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: YVETTE MENDEZ
Owner/operator address: 1240 W 139TH ST
GARDENA, CA 90247

Owner/operator country: Not reported
Owner/operator telephone: 562-330-8000
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: IRMA NAVARRO
Owner/operator address: 551 W ANAHEIM ST
LONG BEACH, CA 90813

Owner/operator country: Not reported
Owner/operator telephone: 310-987-1196
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: Yes
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

COLOR KING WORLD (Continued)

1024848696

Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

**V133
ESE
1/8-1/4
0.235 mi.
1242 ft.**

**EXXONMOBIL OIL CORP 99LBC
551 WEST ANAHEIM ST
LONG BEACH, CA 90813**

RCRA NonGen / NLR

**1000594695
CAD983585621**

Site 7 of 9 in cluster V

**Relative:
Higher**

RCRA NonGen / NLR:

**Actual:
16 ft.**

Date form received by agency: 2011-10-11 00:00:00.0
Facility name: EXXONMOBIL OIL CORP 99LBC
Facility address: 551 WEST ANAHEIM ST
LONG BEACH, CA 90813
EPA ID: CAD983585621
Mailing address: 800 E WASHINGTON ST
EMES CO JD2 ENVIRONMENTAL
WEST CHESTER, PA 19380
Contact: DONNA HYMES
Contact address: 800 E WASHINGTON ST
WEST CHESTER, PA 19380
Contact country: US
Contact telephone: 610-430-8151
Contact email: DHYMES@JD2ENV.COM
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: HENRY TUCKER
Owner/operator address: 551 W ANAHEIM ST
LONG BEACH, CA 90813
Owner/operator country: US
Owner/operator telephone: 310-599-6261
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 1989-01-01 00:00:00.
Owner/Op end date: Not reported

Owner/operator name: EXXONMOBIL ENVIRONMENTAL SVCS
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EXXONMOBIL OIL CORP 99LBC (Continued)

1000594695

Owner/Operator Type: Operator
Owner/Op start date: 2011-09-09 00:00:00.
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 1991-06-21 00:00:00.0
Site name: EXXONMOBIL OIL CORP 99LBC
Classification: Not a generator, verified

Date form received by agency: 1991-06-21 00:00:00.0
Site name: SMITH BROS AUTO REPAIR
Classification: Not a generator, verified

Hazardous Waste Summary:

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D018
. Waste name: BENZENE

Violation Status: No violations found

**AA134
ENE
1/8-1/4
0.236 mi.
1245 ft.**

**1450 DAISY AVE
LONG BEACH, CA**

Site 3 of 4 in cluster AA

**Relative:
Higher
Actual:
13 ft.**

LONG BEACH UST:

DATA AS OF 02/25/2014:

Name: Not reported
Address: 1450 DAISY AVE
City,State,Zip: LONG BEACH, CA
Region: LONG BEACH
Tanks: 0F
Tank Test: Not reported
Leak Test: Not reported
Tank Status: Not reported

**CA UST U003919946
N/A**

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

V135
East
1/8-1/4
0.236 mi.
1246 ft.

ASHLAND INC *D
1350 DAISY AVENUE
LONG BEACH, CA 90813

Site 8 of 9 in cluster V

RCRA NonGen / NLR **1025880533**
CAP000187138

Relative:
Higher

Actual:
16 ft.

RCRA NonGen / NLR:

Date form received by agency: 2007-12-24 00:00:00.0
Facility name: ASHLAND INC *D
Facility address: 1350 DAISY AVENUE
LONG BEACH, CA 90813
EPA ID: CAP000187138
Mailing address: PO BOX 2219 EHAS
COLUMBUS, OH 43216
Contact: KARA B LONG
Contact address: PO BOX 2219 EHAS
COLUMBUS, OH 43216
Contact country: US
Contact telephone: 614-790-4641
Contact email: KLONG@ASHLAND.COM
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: WEST COAST SHIP SUPPLY
Owner/operator address: 1350 DAISY AVE
LONG BEACH, CA 90813
Owner/operator country: US
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 2000-07-01 00:00:00.
Owner/Op end date: Not reported

Owner/operator name: WEST COAST SHIP SUPPLY
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 2000-07-01 00:00:00.
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ASHLAND INC *D (Continued)

1025880533

On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 2007-09-18 00:00:00.0
Site name: ASHLAND INC
Classification: Large Quantity Generator

Hazardous Waste Summary:

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: U133
. Waste name: HYDRAZINE (R,T)

Violation Status: No violations found

V136
East
1/8-1/4
0.236 mi.
1246 ft.

MARINE GLASS CO
1350 DAISY AVE
LONG BEACH, CA
Site 9 of 9 in cluster V

CA UST **U003660624**
N/A

Relative:
Higher
Actual:
16 ft.

LONG BEACH UST:
DATA AS OF 02/25/2014:
Name: MARINE GLASS CO
Address: 1350 DAISY AVE
City,State,Zip: LONG BEACH, CA
Region: LONG BEACH
Tanks: 0T
Tank Test: Not reported
Leak Test: Not reported
Tank Status: Not reported

AA137
East
1/8-1/4
0.236 mi.
1247 ft.

NEAL FASHION
1402 DAISY AVE
LONG BEACH, CA
Site 4 of 4 in cluster AA

CA UST **U003660625**
N/A

Relative:
Higher
Actual:
14 ft.

LONG BEACH UST:
DATA AS OF 02/25/2014:
Name: NEAL FASHION
Address: 1402 DAISY AVE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NEAL FASHION (Continued)

U003660625

City,State,Zip: LONG BEACH, CA
Region: LONG BEACH
Tanks: 0F
Tank Test: Not reported
Leak Test: Not reported
Tank Status: Not reported

Y138
ENE
1/8-1/4
0.236 mi.
1248 ft.

1500 DAISY AVE
LONG BEACH, CA

CA UST **U003919947**
N/A

Site 3 of 3 in cluster Y

Relative:
Higher

LONG BEACH UST:

Actual:
13 ft.

DATA AS OF 02/25/2014:

Name: Not reported
Address: 1500 DAISY AVE
City,State,Zip: LONG BEACH, CA
Region: LONG BEACH
Tanks: 0F
Tank Test: Not reported
Leak Test: Not reported
Tank Status: Not reported

X139
West
1/8-1/4
0.239 mi.
1263 ft.

MICOR ENERGY LLC
1234 COWLES ST W
LONG BEACH, CA 90813

CA LUST **S104406362**
CA CERS **N/A**

Site 2 of 11 in cluster X

Relative:
Lower

LUST:

Actual:
12 ft.

Name: SPEEDY FUEL, INC.
Address: 1234 COWLES ST W
City,State,Zip: LONG BEACH, CA 90813
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603701973
Global Id: T0603701973
Latitude: 33.7845427
Longitude: -118.2081905
Status: Completed - Case Closed
Status Date: 07/01/2015
Case Worker: JR
RB Case Number: 908130625
Local Agency: LOS ANGELES COUNTY
File Location: Regional Board
Local Case Number: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:

Global Id: T0603701973
Contact Type: Local Agency Caseworker
Contact Name: CARMEN PIRO
Organization Name: LONG BEACH, CITY OF

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MICOR ENERGY LLC (Continued)

S104406362

Address: 2525 GRAND AVE.
City: LONG BEACH
Email: carmen.piro@longbeach.gov
Phone Number: 5625704137

Global Id: T0603701973
Contact Type: Regional Board Caseworker
Contact Name: JAMES RYAN
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: West 4th Street, Suite 200
City: LOS ANGELES
Email: jamesw.ryan@waterboards.ca.gov
Phone Number: 2135766711

LUST:

Global Id: T0603701973
Action Type: ENFORCEMENT
Date: 09/16/2008
Action: Notice to Comply

Global Id: T0603701973
Action Type: ENFORCEMENT
Date: 03/20/2009
Action: Staff Letter

Global Id: T0603701973
Action Type: ENFORCEMENT
Date: 06/15/2009
Action: Staff Letter

Global Id: T0603701973
Action Type: RESPONSE
Date: 05/15/2014
Action: Monitoring Report - Semi-Annually

Global Id: T0603701973
Action Type: ENFORCEMENT
Date: 06/24/2002
Action: Staff Letter

Global Id: T0603701973
Action Type: ENFORCEMENT
Date: 03/20/2000
Action: Staff Letter

Global Id: T0603701973
Action Type: ENFORCEMENT
Date: 07/01/2015
Action: Closure/No Further Action Letter

Global Id: T0603701973
Action Type: RESPONSE
Date: 03/20/2015
Action: Well Destruction Report

Global Id: T0603701973
Action Type: ENFORCEMENT

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MICOR ENERGY LLC (Continued)

S104406362

Date: 07/15/2014
Action: Notification - Preclosure

Global Id: T0603701973
Action Type: ENFORCEMENT
Date: 03/12/2014
Action: Health and Safety Code Section 25296.10(c)

Global Id: T0603701973
Action Type: Other
Date: 10/20/1999
Action: Leak Discovery

Global Id: T0603701973
Action Type: RESPONSE
Date: 06/05/2014
Action: Request for Closure - Regulator Responded

Global Id: T0603701973
Action Type: ENFORCEMENT
Date: 01/04/2012
Action: Staff Letter

Global Id: T0603701973
Action Type: ENFORCEMENT
Date: 03/05/2012
Action: Staff Letter

Global Id: T0603701973
Action Type: Other
Date: 01/07/2000
Action: Leak Reported

LUST:

Global Id: T0603701973
Status: Open - Case Begin Date
Status Date: 10/20/1999

Global Id: T0603701973
Status: Open - Verification Monitoring
Status Date: 01/07/2000

Global Id: T0603701973
Status: Open - Site Assessment
Status Date: 03/07/2000

Global Id: T0603701973
Status: Open - Site Assessment
Status Date: 03/27/2000

Global Id: T0603701973
Status: Open - Site Assessment
Status Date: 09/25/2000

Global Id: T0603701973
Status: Open - Eligible for Closure
Status Date: 07/15/2014

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MICOR ENERGY LLC (Continued)

S104406362

Global Id: T0603701973
Status: Completed - Case Closed
Status Date: 07/01/2015

LUST REG 4:

Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 908130625
Status: Pollution Characterization
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater
Abatement Method Used at the Site: Not reported
Global ID: T0603701973
W Global ID: Not reported
Staff: HDN
Local Agency: 19060
Cross Street: FASHION AVE
Enforcement Type: LET
Date Leak Discovered: 10/20/1999
Date Leak First Reported: 1/7/2000
Date Leak Record Entered: Not reported
Date Confirmation Began: Not reported
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 9/21/2000
Date the Case was Closed: Not reported
How Leak Discovered: Subsurface Monitoring
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Operator: AFCO
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 17074.068521083465866539564425
Source of Cleanup Funding: UNK
Preliminary Site Assessment Workplan Submitted: 3/7/2000
Preliminary Site Assessment Began: 3/27/2000
Pollution Characterization Began: 9/25/2000
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: 1/7/2000
Enforcement Action Date: Not reported
Historical Max MTBE Date: 1/1/1965
Hist Max MTBE Conc in Groundwater: 290
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: CHERYL A. MADDEN
RP Address: 2251 OHIO AVE.
Program: LUST
Lat/Long: 33.7845427 / -1

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MICOR ENERGY LLC (Continued)

S104406362

Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: 3/3/00 LIMITED SUBSURFACE INVESTIGATION; 3/22/00 ADD'L SOIL & GW INVESTIGATION

CERS:

Name: SPEEDY FUEL, INC.
Address: 1234 COWLES ST W
City,State,Zip: LONG BEACH, CA 90813
Site ID: 238613
CERS ID: T0603701973
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc: Local Agency Caseworker
Entity Name: CARMEN PIRO - LONG BEACH, CITY OF
Entity Title: Not reported
Affiliation Address: 2525 GRAND AVE.
Affiliation City: LONG BEACH
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 5625704137

Affiliation Type Desc: Regional Board Caseworker
Entity Name: JAMES RYAN - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: West 4th Street, Suite 200
Affiliation City: LOS ANGELES
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 2135766711

X140
West
1/8-1/4
0.239 mi.
1263 ft.

NOIL USA INC DBA NOIL USA INC
1234 COWLES ST
LONG BEACH, CA 90813
Site 3 of 11 in cluster X

RCRA NonGen / NLR 1024865038
CAL000433606

Relative:
Lower

RCRA NonGen / NLR:
Date form received by agency: 2018-02-12 00:00:00.0
Facility name: NOIL USA INC DBA NOIL USA INC
Facility address: 1234 COWLES ST
LONG BEACH, CA 90813
EPA ID: CAL000433606
Mailing address: 5801 RANDOLPH ST
COMMERCE, CA 90040
Contact: GEORGE TERMEDZHJAN
Contact address: 5801 RANDOLPH ST
COMMERCE, CA 90040
Contact country: Not reported
Contact telephone: 424-294-4444

Actual:
12 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NOIL USA INC DBA NOIL USA INC (Continued)

1024865038

Contact email: GTENERGY@YMAIL.COM
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: NOIL USA INC
Owner/operator address: 5801 RANDOLPH ST
COMMERCE, CA 90040

Owner/operator country: Not reported
Owner/operator telephone: 323-726-1966
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: GEORGE TERMEDZHJAN
Owner/operator address: 5801 RANDOLPH ST
COMMERCE, CA 90040

Owner/operator country: Not reported
Owner/operator telephone: 424-294-4444
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: Yes
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

X141
West
1/8-1/4
0.239 mi.
1263 ft.
Site 4 of 11 in cluster X

CA CERS HAZ WASTE
CA CERS TANKS
CA HAZNET
CA CERS
CA HWTS

S113113356
N/A

Relative:
Lower
Actual:
12 ft.

CERS HAZ WASTE:

Name: NOIL USA INC
Address: 1234 W COWLES ST
City,State,Zip: LONG BEACH, CA 90813
Site ID: 402679
CERS ID: 10444492
CERS Description: Hazardous Waste Generator

CERS TANKS:

Name: NOIL USA INC
Address: 1234 W COWLES ST
City,State,Zip: LONG BEACH, CA 90813
Site ID: 402679
CERS ID: 10444492
CERS Description: Underground Storage Tank

HAZNET:

Name: DELTA AUTO SERVICE INC
Address: 1234 W COWLES ST
Address 2: Not reported
City,State,Zip: LONG BEACH, CA 908130000
Contact: CARLOS GOMES
Telephone: 5629836199
Mailing Name: Not reported
Mailing Address: 1234 W COWLES ST

Year: 2000
Gepaid: CAL000224579
TSD EPA ID: CAD982444481
CA Waste Code: 223 - Unspecified oil-containing waste
Disposal Method: R01 - Recycler
Tons: 0.6

Additional Info:

Year: 2000
Gen EPA ID: CAL000224579

Shipment Date: 20001113
Creation Date: 2/1/2001 0:00:00
Receipt Date: 20001114
Manifest ID: 20598734
Trans EPA ID: CAD982444481
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSD EPA ID: CAD982444481
Trans Name: Not reported
TSD EPA Alt ID: CAD982444481
TSD EPA Alt Name: Not reported
CA Waste Code: 223 - Unspecified oil-containing waste
RCRA Code: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DELTA AUTO SERVICE INC (Continued)

S113113356

Disposal Method: R01 - Recycler
Quantity Tons: 0.6
Waste Quantity: 1200
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

CERS:

Name: NOIL USA INC
Address: 1234 W COWLES ST
City,State,Zip: LONG BEACH, CA 90813
Site ID: 402679
CERS ID: 10444492
CERS Description: Chemical Storage Facilities

Violations:

Site ID: 402679
Site Name: NOIL USA Inc
Violation Date: 03-24-2017
Citation: Un-Specified
Violation Description: UST Program - Administration/Documentation - General Local Ordinance - Must include violation description and proper ordinance citation in the "comment" section.

Violation Notes: Returned to compliance on 05/10/2017. UNABLE TO TEST DISPENSER #2 & #2 SATELLITE IMPACT VALVES. PER STATION MANAGER, THE SYSTEM IS OUT OF SERVICE. (DIESEL DISPENSERS) *KEEP SYSTEM OFF LINE UNTIL REPAIRS ARE MADE TO DISPENSER SYSTEM. RE-TEST PRIOR TO OPERATION WITH LBFD INSPECTOR . UNABLE TO TEST DISPENSER #10 IMPACT VALVE *KEEP SYSTEM OFF-LINE UNTIL REPAIRS ARE MADE TO DISPENSER SYSTEM. RE-TEST PRIOR TO OPERATION WITH LBFD INSPECTOR. *ALL OTHER DISPENSER IMPACT DEVICES ARE FUNCTIONING PROPERLY.

Violation Division: Long Beach Environmental Heath
Violation Program: UST
Violation Source: CERS

Site ID: 402679
Site Name: NOIL USA Inc
Violation Date: 03-23-2018
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.

Violation Notes: Returned to compliance on 04/20/2018.
Violation Division: Long Beach Environmental Heath
Violation Program: HW
Violation Source: CERS

Site ID: 402679
Site Name: NOIL USA Inc
Violation Date: 03-04-2016
Citation: 23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DELTA AUTO SERVICE INC (Continued)

S113113356

Violation Description: 16, Section(s) 2712(i)
Failure to maintain on site an approved monitoring plan.
Violation Notes: Returned to compliance on 06/24/2016. OBSERVATION: Approved copies of the monitoring plan was not found on site. Copies of these plans shall be retained on site at all times. CORRECTIVE ACTION: Immediately locate and retain a copy on site.
Violation Division: Long Beach Environmental Heath
Violation Program: UST
Violation Source: CERS

Site ID: 402679
Site Name: NOIL USA Inc
Violation Date: 06-10-2015
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to establish and electronically submit an adequate training program in safety procedures in the event of a release or threatened release of a hazardous material.
Violation Notes: Returned to compliance on 09/17/2015.
Violation Division: Long Beach Environmental Heath
Violation Program: HMRRP
Violation Source: CERS

Site ID: 402679
Site Name: NOIL USA Inc
Violation Date: 01-28-2014
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 09/20/2015.
Violation Division: Long Beach Environmental Heath
Violation Program: HW
Violation Source: CERS

Site ID: 402679
Site Name: NOIL USA Inc
Violation Date: 09-02-2016
Citation: 22 CCR 12 66262.40(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(a)
Violation Description: Failure to keep a copy of each properly signed manifest for at least three years from the date the waste was accepted by the initial transporter. The manifest signed at the time the waste was accepted for transport shall be kept until receiving a signed copy from the designated facility which received the waste.
Violation Notes: Returned to compliance on 11/16/2016. OBSERVATION: Copies of hazardous waste disposal records for the last 3 years were not found on site. Hazardous waste generators shall retain copies of all manifests signed off by the disposal facility and all receipts used in a consolidated manifesting procedure on site for three years and have them readily available for review. CORRECTIVE ACTION: Immediately locate a copy of all manifests and receipts for the last three years, maintain them on site, and submit copies to the CUPA within 30 days.
Violation Division: Long Beach Environmental Heath
Violation Program: HW

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DELTA AUTO SERVICE INC (Continued)

S113113356

Violation Source: CERS

Site ID: 402679
Site Name: NOIL USA Inc
Violation Date: 03-22-2018
Citation: 23 CCR 16 2641(h) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(h)
Violation Description: Failure to have an approved UST Monitoring Plan.
Violation Notes: Returned to compliance on 05/18/2018. OBSERVATION: The monitoring plan on site is not current and not approved by the CUPA. The monitoring plan must be current and approved by the CUPA. CORRECTIVE ACTION: Update the required information in CERS. Fuel conversion completed without a permit since the 2017 annual inspection. A permit is required to evaluate compatibility.

Violation Division: Long Beach Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 402679
Site Name: NOIL USA Inc
Violation Date: 03-24-2017
Citation: Un-Specified
Violation Description: UST Program - Administration/Documentation - General Local Ordinance - Must include violation description and proper ordinance citation in the "comment" section.
Violation Notes: Returned to compliance on 05/10/2017. CURRENT EMPLOYEE TRAINING RECORDS MISSING/NOT AVAILABLE IN UST FILE ON-SITE. LAST TRAINING DATE OBSERVED WAS 09/24/15. CORRECTIVE ACTION: LOCATE A COPY AND MAKE AVAILABLE FOR RE-INSPECTION.

Violation Division: Long Beach Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 402679
Site Name: NOIL USA Inc
Violation Date: 03-25-2014
Citation: 23 CCR 16 2666(c) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2666(c)
Violation Description: Failure of line leak detector to detect a leak and/or failure of audible and visual alarm.
Violation Notes: Returned to compliance on 07/17/2014. PROVIDE PROOF LEAK DETECTORS TESTED AND PASSED.

Violation Division: Long Beach Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 402679
Site Name: NOIL USA Inc
Violation Date: 03-27-2015
Citation: 23 CCR 16 2636(f)(1) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(1)
Violation Description: Failure of the double wall pressurized piping in the turbine sump to be continuously monitored with a system that activates an audible and visual alarm or restricts or stops flow at dispenser when a leak is detected.
Violation Notes: Returned to compliance on 10/09/2019. WEEPING FROM PIPE COMPONENTS AT DISPENSERS 4,6,7,9,14. FUEL POOLS IN UDC. FUEL IS CLEANED BY

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DELTA AUTO SERVICE INC (Continued)

S113113356

MAINTENANCE PERSONNEL PERIODICALLY?? TROUBLESHOOT AND NOTIFY LBFD INSPECTOR WITHIN 30 DAYS OF THIS TEST.

Violation Division: Long Beach Environmental Heath
Violation Program: UST
Violation Source: CERS

Site ID: 402679
Site Name: NOIL USA Inc
Violation Date: 09-02-2016
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)

Violation Description: Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.

Violation Notes: Returned to compliance on 09/02/2016. OBSERVATION: DURING TODAY'S INSPECTION, THERE WERE 3 - 55 GALLON DRUMS WITHOUT ANY IDENTIFICATION, PER EMPLOYEE ON-SITE, COCO KASEMYAN, THE TWO DRUMS CONTAINED WASTE OILY WATER AND ONE DRUM CONTAINED WASTE ABSORBENT. **THIS IS A REPEAT VIOLATION THAT WAS ALSO CITED ON THE 1/28/14 CUPA INSPECTION. **All hazardous waste containers shall be marked with the following information: 1) the words G Hazardous WasteG ; 2) name and address of generator; 3) hazardous properties; 4) physical state; 5) composition (contents); 6) accumulation start date. CORRECTIVE ACTION: EACH DRUM WAS PROPERLY LABELED DURING THE INSPECTION. *FACILITY SHOULD REVIEW PROPER LABELING OF ALL HAZARDOUS WASTE CONTAINERS, TO ENSURE PROPER MANAGEMENT.

Violation Division: Long Beach Environmental Heath
Violation Program: HW
Violation Source: CERS

Site ID: 402679
Site Name: NOIL USA Inc
Violation Date: 03-27-2015
Citation: HSC 6.7 Multiple Sections - California Health and Safety Code, Chapter 6.7, Section(s) Multiple Sections

Violation Description: UST Program - Operations/Maintenance - General

Violation Notes: Returned to compliance on 03/27/2015. NOZZLE AT DISPENSER #11, #15 FAILED. REPLACE AND RETEST WITH LBFD PRESENT

Violation Division: Long Beach Environmental Heath
Violation Program: UST
Violation Source: CERS

Site ID: 402679
Site Name: NOIL USA Inc
Violation Date: 03-24-2017
Citation: Un-Specified

Violation Description: UST Program - Administration/Documentation - General Local Ordinance - Must include violation description and proper ordinance citation in the "comment" section.

Violation Notes: Returned to compliance on 05/10/2017. CHIEF FINANCIAL OFFICER (CFO) LETTER IS NOT CURRENT IN THE CALIFORNIA ENVIRONMENTAL REPORTING SYSTEM (CERS). LAST DATED 03/30/15. SUBMIT CURRENT CFO LETTER IN CERS.

Violation Division: Long Beach Environmental Heath
Violation Program: UST
Violation Source: CERS

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DELTA AUTO SERVICE INC (Continued)

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Site ID: 402679
Site Name: NOIL USA Inc
Violation Date: 01-28-2014
Citation: 40 CFR 1 265.174 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.174
Violation Description: Failure to inspect hazardous waste storage areas at least weekly.
Violation Notes: Returned to compliance on 09/20/2015.
Violation Division: Long Beach Environmental Health
Violation Program: HW
Violation Source: CERS

Site ID: 402679
Site Name: NOIL USA Inc
Violation Date: 03-27-2015
Citation: 23 CCR 16 2715(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(f)
Violation Description: Failure to comply with one or more of the following: provide training to facility employee(s) responsible for proper operation and maintenance every 12 months and/or train new employee(s) who are responsible for proper operation and maintenance within 30-days of hire and/or to have at least one employee present during operating hours that has been trained in the proper operation and maintenance of the UST system.
Violation Notes: Returned to compliance on 10/09/2019. PROVIDE PROOF OF EMPLOYEE TRAINING BY DESIGNATED OPERATOR.
Violation Division: Long Beach Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 402679
Site Name: NOIL USA Inc
Violation Date: 04-11-2019
Citation: HSC 6.7 25284.2 - California Health and Safety Code, Chapter 6.7, Section(s) 25284.2
Violation Description: "Failure to meet one or more of the following requirements: Install or maintain a liquid-tight spill container. Have a minimum capacity of five gallons. Have a functional drain valve or other method for the removal of liquid from the spill container. Be resistant to galvanic corrosion. Perform a tightness test at installation, every 12 months thereafter, or within 30 days after a repair to the spill container. Tested using applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Tested by a certified UST service technician. Maintain records of spill containment testing for 36 months."
Violation Notes: Returned to compliance on 04/11/2019. OBSERVATION: Owner/Operator did not comply with one or more of the following: Maintain the spill bucket in good condition, containment free of debris/liquid, and/or to remove the contents of the spill bucket when a release/leak/spill was observed. CORRECTIVE ACTION: Maintain the spill bucket in good condition, containment free of debris/liquid, and remove the contents of the spill bucket when a release was observed. Submit verification. FILL BUCKETS FOR TANKS #2 AND #3 SHALL BE WITNESS TESTED TO VERIFY THEY EACH HOLD 5 GALLONS OF LIQUID. BUCKETS VERIFIED BY INSPECTOR AND ARE HOLDING THE REQUIRED AMOUNTS.
Violation Division: Long Beach Environmental Health
Violation Program: UST
Violation Source: CERS

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DELTA AUTO SERVICE INC (Continued)

S113113356

Site ID: 402679
Site Name: NOIL USA Inc
Violation Date: 03-24-2017
Citation: Un-Specified
Violation Description: UST Program - Administration/Documentation - General Local Ordinance - Must include violation description and proper ordinance citation in the "comment" section.
Violation Notes: Returned to compliance on 05/10/2017. VIOLATION: FAILURE TO REPORT GREATER THAN 55 GALLONS OF HAZARDOUS MATERIALS. OBSERVED 2 - 55 GALLON DRUMS OF OILY WATER WASTE LABELED AS HAZARDOUS WASTE. ACCUMULATION START DATE IS 6/1/16. EACH DRUM WAS MORE THAN HALF FULL. HSC 25505, TITLE 22 CCR 66262.34(d) CORRECTIVE ACTION: SUBMIT INVENTORY TO CERS AND DISPOSE OF HAZARDOUS WASTE. HAZARDOUS WASTE GREATER THAN 180 DAYS ON-SITE AS A SMALL QUANTITY GENERATOR. KEEP DISPOSAL MANIFEST FOR REVIEW DURING INSPECTION.
Violation Division: Long Beach Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 402679
Site Name: NOIL USA Inc
Violation Date: 03-27-2015
Citation: 23 CCR 16 2636(f)(1) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(1)
Violation Description: Failure of the double wall pressurized piping in the turbine sump to be continuously monitored with a system that activates an audible and visual alarm or restricts or stops flow at dispenser when a leak is detected.
Violation Notes: Returned to compliance on 10/09/2019. DISPENSER #16/17 OFFLINE. DISPENSER IS NOT CALIBRATED. DISPENSER IS TAGGED OUT OF SERVICE AND TAPED.
Violation Division: Long Beach Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 402679
Site Name: NOIL USA Inc
Violation Date: 04-02-2018
Citation: 23 CCR 16 2712(b) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)
Violation Description: Failure to maintain records of repairs, lining, and upgrades on site, or off site if approved by the UPA, for the life of the UST.
Violation Notes: Returned to compliance on 04/02/2018. Permit was applied for but is not yet approved.
Violation Division: Long Beach Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 402679
Site Name: NOIL USA Inc
Violation Date: 03-22-2018
Citation: 23 CCR 16 2712(b) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)
Violation Description: Failure to maintain records of repairs, lining, and upgrades on site, or off site if approved by the UPA, for the life of the UST.
Violation Notes: Returned to compliance on 04/02/2018. OBSERVATION: Records of repairs, linings, and upgrades for the UST system were not found on site. These

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DELTA AUTO SERVICE INC (Continued)

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records shall be kept on site for the life of the tank. CORRECTIVE ACTION: Immediately locate and maintain these records on site and submit copies to the CUPA by 04/2/2018. Fuel conversion completed at some point between the 2017 annual UST inspection and current date. Records of maintenance and construction must be maintained on site. where UST work requires a permit from the CUPA and/or AHJ, one must be obtained prior to commencing with work.

Violation Division: Long Beach Environmental Heath
Violation Program: UST
Violation Source: CERS

Site ID: 402679
Site Name: NOIL USA Inc
Violation Date: 03-27-2015
Citation: HSC 6.7 Multiple Sections - California Health and Safety Code, Chapter 6.7, Section(s) Multiple Sections

Violation Description: UST Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 10/09/2019. NO SMOKING STOP MOTOR SIGNS ON CANOPY POSTS ARE FADED. REPLACE ALL.

Violation Division: Long Beach Environmental Heath
Violation Program: UST
Violation Source: CERS

Site ID: 402679
Site Name: NOIL USA Inc
Violation Date: 03-27-2015
Citation: HSC 6.7 Multiple Sections - California Health and Safety Code, Chapter 6.7, Section(s) Multiple Sections

Violation Description: UST Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 10/09/2019. VR PANEL POWER LIGHT IS NOT WORKING. REPLACE.

Violation Division: Long Beach Environmental Heath
Violation Program: UST
Violation Source: CERS

Site ID: 402679
Site Name: NOIL USA Inc
Violation Date: 03-04-2016
Citation: 23 CCR 16 2711(a)(8) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2711(a)(8)

Violation Description: Failure to submit, obtain approval, or maintain a complete/accurate plot plan.

Violation Notes: Returned to compliance on 06/24/2016. OBSERVATION: Owner/Operator did not submit, obtain approval, and maintain a complete/accurate Plot Plan. CORRECTIVE ACTION: Submit, obtain approval, and maintain a complete/accurate Plot Plan.

Violation Division: Long Beach Environmental Heath
Violation Program: UST
Violation Source: CERS

Site ID: 402679
Site Name: NOIL USA Inc
Violation Date: 03-25-2014
Citation: 23 CCR 16 2665 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2665

Violation Description: Failure to comply with one or more of the following: failure to install a spill bucket, have a functional drain valve or other method

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DELTA AUTO SERVICE INC (Continued)

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Violation Notes:	for the removal of liquid from the spill bucket/spill container, and/or be resistant to galvanic corrosion. Returned to compliance on 07/17/2014. PROVIDE PROOF FILL BUCKETS PASSED TEST AND FILL DRAINS TESTED AND PASSED.
Violation Division:	Long Beach Environmental Heath
Violation Program:	UST
Violation Source:	CERS
Site ID:	402679
Site Name:	NOIL USA Inc
Violation Date:	03-25-2014
Citation:	23 CCR 16 2715(c)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(c)(2)
Violation Description:	Failure to comply with one or more of the following: maintain the spill bucket in good condition, containment free of debris/liquid, and/or to remove the contents of the spill bucket when a release/leak/spill was observed.
Violation Notes:	Returned to compliance on 07/17/2014. PROVIDE PROOF FILL BUCKETS PASSED TEST AND FILL DRAINS TESTED AND PASSED.
Violation Division:	Long Beach Environmental Heath
Violation Program:	UST
Violation Source:	CERS
Site ID:	402679
Site Name:	NOIL USA Inc
Violation Date:	03-27-2015
Citation:	23 CCR 16 2636(f)(1) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(1)
Violation Description:	Failure of the double wall pressurized piping in the turbine sump to be continuously monitored with a system that activates an audible and visual alarm or restricts or stops flow at dispenser when a leak is detected.
Violation Notes:	Returned to compliance on 10/09/2019. TEST BOOTS ARE DAMAGED INSIDE UDC # 3/4, 4/5 AND 4. REPLACE WITHIN 30 DAYS.
Violation Division:	Long Beach Environmental Heath
Violation Program:	UST
Violation Source:	CERS
Site ID:	402679
Site Name:	NOIL USA Inc
Violation Date:	03-24-2017
Citation:	Un-Specified
Violation Description:	UST Program - Administration/Documentation - General Local Ordinance - Must include violation description and proper ordinance citation in the "comment" section.
Violation Notes:	Returned to compliance on 05/10/2017. DISPENSER HOSES 8 SATELLITE, 6 SATELLITE, & 1 MAIN ARE DAMAGED AND ARE WEEPING. CORRECTIVE ACTION: REPLACE DAMAGED HOSES
Violation Division:	Long Beach Environmental Heath
Violation Program:	UST
Violation Source:	CERS
Site ID:	402679
Site Name:	NOIL USA Inc
Violation Date:	06-10-2015
Citation:	HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple

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DELTA AUTO SERVICE INC (Continued)

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Violation Description: Business Plan Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 09/17/2015. FAILURE TO PROVIDE ACCESS TO BEP IN ELECTRONIC OR HARD FORM.
Violation Division: Long Beach Environmental Heath
Violation Program: HMRRP
Violation Source: CERS

Site ID: 402679
Site Name: NOIL USA Inc
Violation Date: 03-27-2015
Citation: 23 CCR 16 2712(b) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)
Violation Description: Failure to maintain leak detection alarm logs and/or maintain records of appropriate follow-up actions
Violation Notes: Returned to compliance on 10/09/2019. UNAUTHORIZED RELEASE SPILL FORMS NOT IN ONSITE UST BINDER.
Violation Division: Long Beach Environmental Heath
Violation Program: UST
Violation Source: CERS

Site ID: 402679
Site Name: NOIL USA Inc
Violation Date: 03-04-2016
Citation: 23 CCR 16 2641(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(a)
Violation Description: Failure to maintain secondarily contained piping to allow liquid in the event of a leak to drain into sump (i.e. failure to remove test boot, pipe swelling).
Violation Notes: Returned to compliance on 06/24/2016. OBSERVATION: Owner/Operator did not locate the sensor adequately at low point in sumps. CORRECTIVE ACTION: Locate sensor to the proper position/location. Submit verification.
Violation Division: Long Beach Environmental Heath
Violation Program: UST
Violation Source: CERS

Site ID: 402679
Site Name: NOIL USA Inc
Violation Date: 04-11-2019
Citation: 23 CCR 16 2712(b)(1)(F) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)(1)(F)
Violation Description: "Failure to conduct secondary containment testing, or one or more of the following requirements: Perform the test of the secondary containment system upon installation, within six months of installation and every 36 months thereafter. Perform the test of a secondary containment component within 30 days of a repair or discontinuing vacuum, pressure or hydrostatic monitoring. Use a procedure that demonstrates the system works as well as at installation. Use applicable manufacturer guidelines, industry codes, engineering standard, or professional engineer approval. Performed by a certified service technician. Maintain records of secondary containment testing for 36 months."
Violation Notes: Returned to compliance on 04/11/2019. OBSERVATION: Secondary containment testing records were not maintained for 36 months. CORRECTIVE ACTION: Maintain all secondary containment testing records for a minimum of 36 months. PROVIDE COPY OF SB989 REPORT NOT PROVIDED TO LBFD. REPORT WAS PROVIDED TO INSPECTOR DURING THE INSPECTION.

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DELTA AUTO SERVICE INC (Continued)

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Violation Division: Long Beach Environmental Heath
Violation Program: UST
Violation Source: CERS

Site ID: 402679
Site Name: NOIL USA Inc
Violation Date: 03-04-2016
Citation: HSC 6.7 25284(a)(3) - California Health and Safety Code, Chapter 6.7,
Section(s) 25284(a)(3)

Violation Description: Failure to submit, maintain, or implement an owner/operator written agreement.

Violation Notes: Returned to compliance on 06/24/2016. OBSERVATION: Owner/Operator did not submit, maintain and implement an owner/operator written agreement. CORRECTIVE ACTION: Submit, maintain and implement an owner/operator written agreement.

Violation Division: Long Beach Environmental Heath
Violation Program: UST
Violation Source: CERS

Site ID: 402679
Site Name: NOIL USA Inc
Violation Date: 03-04-2016
Citation: 23 CCR 16 2715 - California Code of Regulations, Title 23, Chapter 16,
Section(s) 2715

Violation Description: Failure to comply with one or more of the designated operator monthly inspection requirements: failed to inspect the monthly alarm history report; attach a copy of the alarm history; failed to inspect for the presence of liquid or debris in the spill container/spill bucket and under dispenser containment; failed to inspect the under dispenser containment to ensure that monitoring equipment is placed in the proper position; failure to inspect for liquid or debris in the containment sump where an alarm occurred or for which there is no record of a service visit; or failure to check that all testing and maintenance has been completed and documented.

Violation Notes: Returned to compliance on 06/24/2016. OBSERVATION: Owner/Operator did not maintain under-dispenser containment, sumps, and/or other secondary containment in good condition and/or free of debris/liquid. CORRECTIVE ACTION: Maintain under-dispenser containment, sumps, and/or other secondary containment in good condition and/or free of debris/liquid. Submit verification.

Violation Division: Long Beach Environmental Heath
Violation Program: UST
Violation Source: CERS

Site ID: 402679
Site Name: NOIL USA Inc
Violation Date: 03-04-2016
Citation: HSC 6.7 25286(a) - California Health and Safety Code, Chapter 6.7,
Section(s) 25286(a)

Violation Description: Failure to submit an complete and accurate application for a permit to operate an underground storage tank, or for renewal of the permit.

Violation Notes: Returned to compliance on 06/24/2016. OBSERVATION: Owner/Operator did not submit and/or maintain an accurate UST Operating Permit Application for Facility information (Form A) and/or Tank information (Form B), and/or did not obtain a valid BOE account number. CORRECTIVE ACTION: Submit and maintain an accurate UST Operating Permit Application for Facility information and/or Tank information, and/or

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DELTA AUTO SERVICE INC (Continued)

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obtain a valid BOE number.

Violation Division: Long Beach Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 402679
Site Name: NOIL USA Inc
Violation Date: 03-25-2014
Citation: HSC 6.7 Multiple Sections - California Health and Safety Code, Chapter 6.7, Section(s) Multiple Sections

Violation Description: UST Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 07/17/2014. EMERGENCY SHUT OFF COVER PLATES AND SIGNAGE ARE FADED AND NOT EASILY VISIBLE.

Violation Division: Long Beach Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 402679
Site Name: NOIL USA Inc
Violation Date: 03-22-2018
Citation: 23 CCR 16 2715(c) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(c)

Violation Description: Failure to comply with one or more of the following designated operator (DO) monthly inspection requirements: Be performed by an ICC certified DO. Inspect monthly alarm history report, check that alarms are documented and responded to appropriately, and attach a copy. Inspect for the presence of liquid/debris in spill containers. Inspect for the presence of liquid/debris in under dispenser containment (UDC) and ensure that the monitoring equipment is positioned correctly. Inspect for liquid or debris in containment sumps where an alarm occurred with no service visit. Check that all testing and maintenance has been completed and documented. Verify that all facility employees have been trained in accordance with 23 CCR 2715(f)(2).

Violation Notes: Returned to compliance on 03/22/2018. OBSERVATION: Liquid that had a sheen and smelled like diesel was observed in all three Biodiesel STP sumps. CORRECTIVE ACTION: Immediately remove this liquid, make a hazardous waste determination per Title 22 hazardous waste regulations, and manage it accordingly. Ensure that the sumps and UDCs are maintained free of liquid.

Violation Division: Long Beach Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 402679
Site Name: NOIL USA Inc
Violation Date: 03-22-2018
Citation: 23 CCR 16 2715(c) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(c)

Violation Description: Failure to comply with one or more of the following designated operator (DO) monthly inspection requirements: Be performed by an ICC certified DO. Inspect monthly alarm history report, check that alarms are documented and responded to appropriately, and attach a copy. Inspect for the presence of liquid/debris in spill containers. Inspect for the presence of liquid/debris in under dispenser containment (UDC) and ensure that the monitoring equipment is positioned correctly. Inspect for liquid or debris in containment sumps where an alarm occurred with no service visit. Check that all testing and maintenance

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DELTA AUTO SERVICE INC (Continued)

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Violation Notes: has been completed and documented. Verify that all facility employees have been trained in accordance with 23 CCR 2715(f)(2). Returned to compliance on 04/02/2018. OBSERVATION: Owner/Operator did not ensure the dispenser containment was liquid free. CORRECTIVE ACTION: Maintain the secondary containment system with a collection system to accumulate, temporarily store, and permit removal of any liquid within the system. Fuel observed in Biodiesel UDCs, likely from weeping union. unions tightened and fuel cleanup during inspection.

Violation Division: Long Beach Environmental Heath
Violation Program: UST
Violation Source: CERS

Site ID: 402679
Site Name: NOIL USA Inc
Violation Date: 01-28-2014
Citation: 40 CFR 1 265.171 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.171

Violation Description: Failure to accumulate hazardous waste in a container that is in good condition.

Violation Notes: Returned to compliance on 09/20/2015.

Violation Division: Long Beach Environmental Heath
Violation Program: HW
Violation Source: CERS

Site ID: 402679
Site Name: NOIL USA Inc
Violation Date: 03-25-2014
Citation: HSC 6.11 25404(e)(4) - California Health and Safety Code, Chapter 6.11, Section(s) 25404(e)(4)

Violation Description: Failure to report program data electronically.

Violation Notes: Returned to compliance on 07/17/2014. PROVIDE ELECTRONIC SUBMITTAL FOR USTs. PROVIDE HARD COPY FOR LBFD INSPECTOR AND KEEP COPY IN UST SITE BINDER AT ALL TIMES.

Violation Division: Long Beach Environmental Heath
Violation Program: UST
Violation Source: CERS

Site ID: 402679
Site Name: NOIL USA Inc
Violation Date: 03-04-2016
Citation: Un-Specified

Violation Description: UST Program - Administration/Documentation - For use of Local Ordinance only

Violation Notes: Returned to compliance on 06/24/2016. OBSERVATION: Owner/Operator did not post a legible sign prohibiting dispensing into unapproved containers. CORRECTIVE ACTION: Post a legible sign prohibiting dispensing into unapproved containers. OBSERVATION: Owner/Operator did not post legible no smoking and / or stop engine signs. CORRECTIVE ACTION: Post legible no smoking and stop engine signs. OBSERVATION: Owner/Operator did not maintain a current City Business License. CORRECTIVE ACTION: Maintain a current City Business License. Replace damaged hose @3 of dispenser#3/4 and 1/2. Replace damaged nozzles throughout. Remove all residual fuel/sludge from dispenser islands. all haz mat shall be placed in haz mat drum and properly manifested.

Violation Division: Long Beach Environmental Heath
Violation Program: UST

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DELTA AUTO SERVICE INC (Continued)

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Violation Source: CERS

Site ID: 402679

Site Name: NOIL USA Inc

Violation Date: 03-22-2018

Citation: 23 CCR 16 2632(c)(2)(B), 2634(d)(1)(a), 2636(f)(1) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2632(c)(2)(B), 2634(d)(1)(a), 2636(f)(1)

Violation Description: Failure of the leak detection equipment to have an audible and visual alarm as required.

Violation Notes: Returned to compliance on 03/22/2018.

Violation Division: Long Beach Environmental Heath

Violation Program: UST

Violation Source: CERS

Site ID: 402679

Site Name: NOIL USA Inc

Violation Date: 04-11-2019

Citation: 23 CCR 16 2665(b) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2665(b)

Violation Description: "Failure to submit a copy of the overfill prevention equipment inspection results on the G Overfill Prevention Equipment Inspection Report FormG to the UPA within 30 days after the inspection. "

Violation Notes: Returned to compliance on 07/11/2019. OBSERVATION: Owner/operator failed to submit a copy of the overfill prevention equipment inspection results on the G Overfill Prevention Equipment Inspection Report FormG to the UPA within 30 days after the inspection. CORRECTIVE ACTION: Submit a copy of the overfill prevention equipment inspection results on the G Overfill Prevention Equipment Inspection Report FormG to the UPA within 30 days. TANK #1 OVERFILL COULD NOT BE INSPECTED DUE TO PIPING OBSTRUCTION- FAILED.

Violation Division: Long Beach Environmental Heath

Violation Program: UST

Violation Source: CERS

Site ID: 402679

Site Name: NOIL USA Inc

Violation Date: 03-24-2017

Citation: 23 CCR 16 2636(f)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(2)

Violation Description: Failure of the line leak detector (LLD) monitoring pressurized piping to meet one or more of the following requirements: Monitor at least hourly. Be capable of detecting a release of 3.0 gallons per hour at 10 p.s.i.g. Restrict or shut off the flow of product through the piping when a leak is detected.

Violation Notes: Returned to compliance on 03/24/2017. VIOLATION: LINE LEAK DETECTOR FOR 91 PREMIUM UNLEADED FAILED TEST. CORRECTIVE ACTION: THE 91 PREMIUM UNLEADED LINE LEAK DETECTOR WAS REPLACED AND RETESTED. THE LINE LEAK DETECTOR PASSED THE RETEST (CORRECTED ON-SITE. 03/24/17). NOTE: LINE LEAK DETECTORS FOR OTHER TANKS (20 K DIESEL, 10K DIESEL, 10K DIESEL, 87 REGULAR UNLEADED) PASSED DURING THE INSPECTION.

Violation Division: Long Beach Environmental Heath

Violation Program: UST

Violation Source: CERS

Site ID: 402679

Site Name: NOIL USA Inc

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DELTA AUTO SERVICE INC (Continued)

S113113356

Violation Date: 03-25-2014
Citation: HSC 6.7 Multiple Sections - California Health and Safety Code, Chapter 6.7, Section(s) Multiple Sections
Violation Description: UST Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 03/25/2014. PROVIDE PROOF IMPACT VALVES TESTED AND PASSED.
Violation Division: Long Beach Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 402679
Site Name: NOIL USA Inc
Violation Date: 03-22-2018
Citation: 23 CCR 16 2665 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2665
Violation Description: Failure to comply with one or more of the following: Failure to install or maintain a liquid-tight spill bucket. Have a minimum capacity of five gallons. Have a functional drain valve or other method for the removal of liquid from the spill bucket/spill container. Be resistant to galvanic corrosion.
Violation Notes: Returned to compliance on 03/22/2018. OBSERVATION: Owner/Operator did not comply with one or more of the following: Maintain the spill bucket in good condition, containment free of debris/liquid, and/or to remove the contents of the spill bucket when a release/leak/spill was observed. CORRECTIVE ACTION: Maintain the spill bucket in good condition, containment free of debris/liquid, and remove the contents of the spill bucket when a release was observed. Submit verification.
Violation Division: Long Beach Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 402679
Site Name: NOIL USA Inc
Violation Date: 03-27-2015
Citation: HSC 6.7 Multiple Sections - California Health and Safety Code, Chapter 6.7, Section(s) Multiple Sections
Violation Description: UST Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 10/09/2019. REPLACE DAMAGED HOSE AT DISPENSER #3/4, 4/5 AND 5/6.
Violation Division: Long Beach Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 402679
Site Name: NOIL USA Inc
Violation Date: 03-23-2018
Citation: 22 CCR 12 66262.42(a), (b), (d) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.42(a), (b), (d)
Violation Description: Failure to determine the status of any hazardous waste if a signed copy of the manifest isnG t received within 35 days of the date the waste was accepted by the initial transporter and/or to submit an Exception Report to DTSC if a signed copy of the manifest isnG t received within 45 days of the date the waste was accepted by the initial transporter.
Violation Notes: Returned to compliance on 04/20/2018.
Violation Division: Long Beach Environmental Health
Violation Program: HW

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DELTA AUTO SERVICE INC (Continued)

S113113356

Violation Source: CERS

Site ID: 402679
Site Name: NOIL USA Inc
Violation Date: 03-27-2015
Citation: HSC 6.7 Multiple Sections - California Health and Safety Code, Chapter 6.7, Section(s) Multiple Sections
Violation Description: UST Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 10/09/2019. IMPACT VALVES NOT WORKING AT: #8 AT 8/9 AND #10 AT 10/11. DISPENSERS TAGGED AND TAPED OFF UNTIL REPAIRS MADE AND INSPECTED BY LBFD.

Violation Division: Long Beach Environmental Heath
Violation Program: UST
Violation Source: CERS

Site ID: 402679
Site Name: NOIL USA Inc
Violation Date: 03-22-2018
Citation: 23 CCR 16 2632(d)(1)(c),2641(h),2711(a)(8) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2632(d)(1)(c),2641(h),2711(a)(8)
Violation Description: Failure to submit or maintain a current facility plot plan.
Violation Notes: Returned to compliance on 05/18/2018. OBSERVATION: Owner/Operator did not submit, a complete/accurate Plot Plan. CORRECTIVE ACTION: Submit, obtain approval, and maintain a complete/accurate Plot Plan AND upload a copy of the Plot Plan to CERS.

Violation Division: Long Beach Environmental Heath
Violation Program: UST
Violation Source: CERS

Site ID: 402679
Site Name: NOIL USA Inc
Violation Date: 01-28-2014
Citation: 22 CCR 12 66262.34(d) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(d)
Violation Description: Failure to dispose of hazardous waste within 180 days (or 270 if waste is transported over 200 miles) for the generator who generates less than 1000 kilogram per month, but more than 100 kilograms per month.
Violation Notes: Returned to compliance on 09/20/2015.
Violation Division: Long Beach Environmental Heath
Violation Program: HW
Violation Source: CERS

Site ID: 402679
Site Name: NOIL USA Inc
Violation Date: 03-25-2014
Citation: 23 CCR 16 2638 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2638
Violation Description: Failure to test leak detection equipment as required every 12 months (VPH, sensor, LLD, ATG, etc.) and/or submit monitoring system certification to the CUPA within 30 days of completion of the test
Violation Notes: Returned to compliance on 07/17/2014. PROVIDE PROOF LEAK DETECTORS TESTED AND PASSED.
Violation Division: Long Beach Environmental Heath
Violation Program: UST
Violation Source: CERS

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DELTA AUTO SERVICE INC (Continued)

S113113356

Site ID: 402679
Site Name: NOIL USA Inc
Violation Date: 03-25-2014
Citation: HSC 6.7 Multiple Sections - California Health and Safety Code, Chapter 6.7, Section(s) Multiple Sections
Violation Description: UST Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 07/17/2014. 87 FILL SUMP HAS SEVERE OXIDATION. IMMEDIATE ATTENTION REQUIRED.
Violation Division: Long Beach Environmental Heath
Violation Program: UST
Violation Source: CERS

Site ID: 402679
Site Name: NOIL USA Inc
Violation Date: 03-24-2017
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description: Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes: Returned to compliance on 05/10/2017. VIOLATION: CERT. OF FINANCIAL RESPONSIBILITY (CFR) IS NOT CURRENT. CORRECTIVE ACTION: SUBMIT CURRENT CERTIFICATION OF FINANCIAL RESPONSIBILITY (CFR). LAST DATED 01/1/16.
Violation Division: Long Beach Environmental Heath
Violation Program: UST
Violation Source: CERS

Site ID: 402679
Site Name: NOIL USA Inc
Violation Date: 04-11-2019
Citation: 23 CCR 16 2716(a) through (e) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2716(a) through (e)
Violation Description: For designated operator (DO) monthly inspections conducted before October 1, 2018, failure to comply with one or more of the following requirements: Be performed by an ICC certified DO. Inspect monthly alarm history report, check that alarms are documented and responded to appropriately, and attach a copy. Inspect for the presence of liquid/debris in spill containers. Inspect for the presence of liquid/debris in under dispenser containment (UDC) and ensure that the monitoring equipment is positioned correctly. Inspect for liquid or debris in containment sumps where an alarm occurred with no service visit. Check that all testing and maintenance has been completed and documented. Verify that all facility employees have been trained in accordance with 23 CCR 2715(c). For designated operator (DO) 30 day inspections conducted on and after October 1, 2018, failure to conduct the designated UST operator visual inspection at least once every 30 days.
Violation Notes: Returned to compliance on 04/11/2019. OBSERVATION: Owner/Operator did not ensure the dispenser containment was liquid free. CORRECTIVE ACTION: REMOVE FUEL FROM INSIDE UDC#4/3. TECH CORRECTED ON SITE AND REMOVED LIQUID FROM UDC.
Violation Division: Long Beach Environmental Heath
Violation Program: UST
Violation Source: CERS

Site ID: 402679
Site Name: NOIL USA Inc
Violation Date: 03-04-2016

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DELTA AUTO SERVICE INC (Continued)

S113113356

Citation: 23 CCR 16 2715 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715

Violation Description: Failure to comply with one or more of the designated operator monthly inspection requirements: failed to inspect the monthly alarm history report; attach a copy of the alarm history; failed to inspect for the presence of liquid or debris in the spill container/spill bucket and under dispenser containment; failed to inspect the under dispenser containment to ensure that monitoring equipment is placed in the proper position; failure to inspect for liquid or debris in the containment sump where an alarm occurred or for which there is no record of a service visit; or failure to check that all testing and maintenance has been completed and documented.

Violation Notes: Returned to compliance on 06/24/2016. OBSERVATION: Owner/Operator did not ensure the dispenser containment was liquid free. Liquid found is a result of leaking liquid from piping and/or dispenser components. CORRECTIVE ACTION: Maintain the secondary containment system with a collection system to accumulate, temporarily store, and permit removal of any liquid within the system.

Violation Division: Long Beach Environmental Health

Violation Program: UST

Violation Source: CERS

Evaluation:

Eval General Type: Compliance Evaluation Inspection

Eval Date: 01-28-2014

Violations Found: Yes

Eval Type: Routine done by local agency

Eval Notes: Not reported

Eval Division: Long Beach Environmental Health

Eval Program: HW

Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection

Eval Date: 03-22-2018

Violations Found: Yes

Eval Type: Routine done by local agency

Eval Notes: Onsite to complete an Annual UST Compliance Inspection during the annual UST monitor system certification. Permission to inspect: Hercar Oner A preliminary UST inspection report was issued and signed while onsite on 3/22/2018. Final report will be issued by email to jack@noilusa.com and gtenergy@ymail.com Please print the final inspection report and place a copy in the agency inspections section of your UST compliance binder onsite. Inspection included a review of all UST related documentation onsite as well as a review of the facility submittal in CERS against onsite conditions and equipment. CERS corrections required as discussed onsite, i.e. Inventory, UST forms and maps. ACTION REQUIRED IMMEDIATELY Fire Extinguishers certification expired. Submit proof of correction ASAP. Five fire extinguishers are onsite outside and out of certification. WORK DONE WITHOUT APPROVAL. A fuel conversion has been conducted at some point between the 2017 inspection and [Truncated]

Eval Division: Long Beach Environmental Health

Eval Program: UST

Eval Source: CERS

Eval General Type: Other/Unknown

Eval Date: 06-17-2014

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DELTA AUTO SERVICE INC (Continued)

S113113356

Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	REINSPECTION FOLLOWING 3/25/2014 ROUTINE. PROGRESS MADE ON 7 PREVIOUS OUTSTANDING VIOLATIONS. ALL VIOLATIONS CORRECTED 7/17/2014.
Eval Division:	Long Beach Environmental Heath
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	07-17-2014
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	2ND REINSPECTION FOLLOWING 3/25/2014 ROUTINE. ALL PREVIOUS OUTSTANDING VIOLATIONS HAVE BEEN CORRECTED.
Eval Division:	Long Beach Environmental Heath
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	01-28-2014
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	SPEEDY FUELS
Eval Division:	Long Beach Environmental Heath
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-25-2014
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Long Beach Environmental Heath
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	04-20-2018
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	ALL VIOLATIONS NOTED ON OIR DATED 3-23-18 HAVE BEEN CORRECTED. CUPA PERMIT IS APPROVED.
Eval Division:	Long Beach Environmental Heath
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	07-11-2019
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	OVERFILL INSPECTION REPORT WAS CORRECTED TO REFLECT PEI1200 STANDARD PROTOCOL.
Eval Division:	Long Beach Environmental Heath
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DELTA AUTO SERVICE INC (Continued)

S113113356

Eval Date: 07-29-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: REINSPECTION FOLLOWING 6/10/2015 ROUTINE. ALL PREVIOUS VIOLATIONS OUTSTANDING. VIOLATIONS CORRECTED 9/17/2015.
Eval Division: Long Beach Environmental Heath
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-04-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Long Beach Environmental Heath
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 03-23-2018
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: CUPA PERMIT IS APPROVED. CERS #10444492 WAS SUBMITTED ON 3-22-18. CAL000433606-IS ACTIVE. LAST UPDATED WAS 2-12-18 PROVIDE MISSING HAZARDOUS LABELS FOR ALL DRUMS. REMOVE OLD/DETERIORATED DRUMS FROM PREVIOUS BUSINESS OWNER. NEW BUSINESS OWNER STATED THAT THESE DRUMS WILL BE PICKED UP IN NEXT WEEK PROVIDE MANIFEST FOR TRANSPORTING HAZARDOUS WASTE 2017
Eval Division: Long Beach Environmental Heath
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-27-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Long Beach Environmental Heath
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 04-02-2018
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Onsite for reinspection. Manager Hercar is onsite and granted permission to inspect. Briefly checking in on Significant NOV for failure to obtain permit for fuel conversion per 23 CCR 2631. Per Manager and D.O. that permit was submitted on Friday 3/30/2018. Verified with downtown that the submittal is under FTNK218019
Eval Division: Long Beach Environmental Heath
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 05-22-2019
Violations Found: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DELTA AUTO SERVICE INC (Continued)

S113113356

Eval Type: Other, not routine, done by local agency
Eval Notes: A REINSPECTION FEE IS BEING ASSESSED FOR FAILURE TO CORRECT OUTSTANDING VIOLATIONS FROM ANNUAL UST MONITORING TEST INCLUDING 1) COMPLETION OF OVERFILL INSPECTION REPORT 2) FLEX CONNECTOR IS KINKED AT UDC #14 AND HAS NOT BEEN CORRECTED. 3) ALL FILL BUCKETS THAT REQUIRED CLEAN OUT WERE NOT RETESTED AND VERIFIED BY FIELD INSPECTOR 4) TEST REPORT FROM TESTOR HAS NOT BEEN SENT TO LBFD. REPORT IS REQUIRED TO BE SENT WITHIN 30 DAYS. CONTACT: jack@noilusa.com
Eval Division: Long Beach Environmental Heath
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 05-24-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: ON-SITE TO CONDUCT A RE-INSPECTION.
Eval Division: Long Beach Environmental Heath
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-10-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Long Beach Environmental Heath
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 06-24-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Long Beach Environmental Heath
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-02-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: 1234 W. COWLES ST. ON-SITE TO CONDUCT A ROUTINE INSPECTION OF SPEEDY FUEL. PERMISSION TO INSPECT THE FACILITY WAS GRANTED TO ME BY MIKE VARTANYAN, MANAGER. THIS FACILITY IS A GAS STATION AND GENERATES HAZARDOUS WASTE, THEREFORE IS SUBJECT TO HAZARDOUS WASTE GENERATOR REQUIREMENTS. HAZARDOUS WASTE OBSERVED ON-SITE DURING TODAY'S INSPECTION WAS OILY WATER WASTE AND WASTE ABSORBENT. HAZARDOUS WASTE MANIFEST WERE NOT AVAILABLE FOR REVIEW DURING THE INSPECTION. SEE VIOLATION IN THIS REPORT FOR CORRECTIVE ACTIONS. REMEMBER TO ANNUALLY CERTIFY YOUR HAZARDOUS MATERIALS BUSINESS EMERGENCY PLAN ELECTRONICALLY IN CERS. <http://cers.calepa.ca.gov> VISIT OUR WEBSITE FOR HAZARDOUS MATERIALS MANAGEMENT INFORMATION: From <<http://www.longbeach.gov/health/inspections-and-reporting/inspections/hazardous-materials-management/>>
Eval Division: Long Beach Environmental Heath

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DELTA AUTO SERVICE INC (Continued)

S113113356

Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-24-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Long Beach Environmental Heath
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-11-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: RECEIVED PERMISSION TO INSPECT FROM: JACK TECHNICIAN: RICHARD REGALADO (1) 20K...DIESEL TANK (1) 10K...DIESEL TANK (1) 10K.. DIESEL TANK (1) 10K...87 TANK (1) 5K.....91 TANK WEATHER ON TEST DAY: SUNNY ON SITE TO WITNESS THE ANNUAL CERTIFICATION TEST FOR UNDERGROUND STORAGE TANKS. VIOLATION SITE IS PAST DUE FOR ANNUAL TEST; DUE MARCH. PERFORMED VISUAL INSPECTION OF ALL TURBINE AND FILL SUMPS; OK. PERFORMED VISUAL INSPECTION OF UDC'S; OK. NOTE: 87 AND 91 PRODUCT PIPING IS ENVIRON. NO WATER OR FUEL INSIDE UDC'S AND ASSOCIATED PIPING IS DRY; WATER/FUEL INSIDE UDC #3/4. TECH TO REMOVE ON SITE. ALL SUMPS SENSORS AT VERTICAL; OK. SUMP SENSORS AND DISPENSER SENSORS TESTED HAVE POSITIVE SHUTDOWN; OK. ANNULAR SENSORS HAVE POSITIVE SHUT DOWN; OK. OVERFILL IS FLAPPERS FOR ALL PRODUCTS. FILL BUCKETS TESTED WITH WATER; PASSED ALL DIESEL FILL BUCKET DRAIN VALVES REQUIRE CLEAN OUT. TECH TO DO ON SITE AND RETEST. OBSERVATION: TANK #2 AND [Truncated]
Eval Division: Long Beach Environmental Heath
Eval Program: UST
Eval Source: CERS

Coordinates:
Site ID: 402679
Facility Name: NOIL USA Inc
Env Int Type Code: HMBP
Program ID: 10444492
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 33.784100
Longitude: -118.208400

Affiliation:
Affiliation Type Desc: Operator
Entity Name: Levon Termendzhyan
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (626) 726-1966

Affiliation Type Desc: Parent Corporation

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DELTA AUTO SERVICE INC (Continued)

S113113356

Entity Name: NOIL USA, INC
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Property Owner
Entity Name: Exadra Property LLC
Entity Title: Not reported
Affiliation Address: 4845 cartwright ave.
Affiliation City: North Hollywood
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 91601
Affiliation Phone: (818) 281-4488

Affiliation Type Desc: UST Tank Operator
Entity Name: Levon Termendzhyan
Entity Title: Not reported
Affiliation Address: 1234 Cowles st.
Affiliation City: long beach
Affiliation State: ca
Affiliation Country: United States
Affiliation Zip: 90813
Affiliation Phone: (626) 726-1966

Affiliation Type Desc: UST Tank Owner
Entity Name: Levon Termendzhyan
Entity Title: Not reported
Affiliation Address: 1234 Cowles st.
Affiliation City: long beach
Affiliation State: ca
Affiliation Country: United States
Affiliation Zip: 90813
Affiliation Phone: (626) 726-1966

Affiliation Type Desc: CUPA District
Entity Name: Long Beach Environmental Heath
Entity Title: Not reported
Affiliation Address: 2525 Grand Avenue
Affiliation City: Long Beach
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90815
Affiliation Phone: (562) 570-4131

Affiliation Type Desc: Identification Signer
Entity Name: george termendzhyan
Entity Title: MANAGER
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DELTA AUTO SERVICE INC (Continued)

S113113356

Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	Levon Termendzhyan
Entity Title:	Not reported
Affiliation Address:	1234 Cowles st.
Affiliation City:	long beach
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90813
Affiliation Phone:	(626) 726-1966
Affiliation Type Desc:	Environmental Contact
Entity Name:	George Termendzhyan
Entity Title:	Not reported
Affiliation Address:	1234 Cowles st.
Affiliation City:	long beach
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90813
Affiliation Phone:	Not reported
Affiliation Type Desc:	UST Property Owner Name
Entity Name:	Excedra Property LLC
Entity Title:	Not reported
Affiliation Address:	4845 cartwright ave.
Affiliation City:	north hollywood
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	91601
Affiliation Phone:	(818) 281-4488
Affiliation Type Desc:	Document Preparer
Entity Name:	GEORGE TERMENDZHIAN
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	1234 Cowles st.
Affiliation City:	long beach
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90813
Affiliation Phone:	Not reported

HWTS:

Name:	DELTA AUTO SERVICE INC
Address:	1234 W COWLES ST
Address 2:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DELTA AUTO SERVICE INC (Continued)

S113113356

City,State,Zip: LONG BEACH, CA 908130000
EPA ID: CAL000224579
Inactive Date: 06/30/2001
Create Date: 10/27/2000
Last Act Date: 04/19/2002
Mailing Name: Not reported
Mailing Address: 1234 W COWLES ST
Mailing Address 2: Not reported
Mailing City,State,Zip: LONG BEACH, CA 908130000
Owner Name: DELTA AUTO SERVICE INC
Owner Address: 1234 W COWLES ST
Owner Address 2: Not reported
Owner City,State,Zip: LONG BEACH, CA 908130000
Contact Name: CARLOS GOMES
Contact Address: 1234 W COWLES ST
Contact Address 2: Not reported
City,State,Zip: LONG BEACH, CA 908130000

X142
West
1/8-1/4
0.239 mi.
1263 ft.

JERRY & KATHLEEN GLIKESMAN
1234 COWLES ST
LONG BEACH, CA 90808

CA SWEEPS UST
CA FID UST

S101587013
N/A

Site 5 of 11 in cluster X

Relative:
Lower

SWEEPS UST:

Actual:
12 ft.

Name: JERRY & KATHLEEN GLIKESMAN
Address: 1234 COWLES ST
City: LONG BEACH
Status: Not reported
Comp Number: 54445
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-060-054445-000001
Tank Status: Not reported
Capacity: 1000
Active Date: Not reported
Tank Use: UNKNOWN
STG: PRODUCT
Content: Not reported
Number Of Tanks: 1

CA FID UST:

Facility ID: 19054707
Regulated By: UTKNI
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 3109440263
Mail To: Not reported
Mailing Address: 87 DAPPLE GRAY
Mailing Address 2: Not reported
Mailing City,St,Zip: LONG BEACH 90808
Contact: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

JERRY & KATHLEEN GLIKESMAN (Continued)

S101587013

Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Inactive

X143
West
1/8-1/4
0.239 mi.
1263 ft.
SPEEDY FUEL
1234 W COWLES ST
LONG BEACH, CA 90813
Site 6 of 11 in cluster X

CA UST **U003779459**
N/A

Relative:
Lower
Actual:
12 ft.

UST:
Name: SPEEDY FUEL
Address: 1234 W COWLES ST
City,State,Zip: LONG BEACH, CA 90813
Facility ID: Not reported
Permitting Agency: Long Beach Environmental Heath
Latitude: 33.7841
Longitude: -118.2084

Name: NOIL USA INC
Address: 1234 W COWLES ST
City,State,Zip: LONG BEACH, CA 90813
Facility ID: Not reported
Permitting Agency: Long Beach Environmental Heath
Latitude: 33.7841
Longitude: -118.2084

Name: MICOR LONG BEACH LLC
Address: 1234 W COWLES ST
City,State,Zip: LONG BEACH, CA 90813
Facility ID: 19-060-3147
Permitting Agency: LONG BEACH, CITY OF
Latitude: 33.7858296
Longitude: -118.2068323

LONG BEACH UST:

DATA AS OF 02/25/2014:

Name: MICOR ENERGY LONG BEACH (5 D/W TRUSCO)
Address: 1234 W COWLES ST
City,State,Zip: LONG BEACH, CA
Region: LONG BEACH
Tanks: 5F
Tank Test: Dual Walled
Leak Test: Not reported
Tank Status: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

X144
West
1/8-1/4
0.239 mi.
1263 ft.
SPEEDY FUEL
1234 COWLES
LONG BEACH, CA
Site 7 of 11 in cluster X

CA UST **U004220378**
N/A

Relative: LONG BEACH UST:
Lower Name: SPEEDY FUEL
Address: 1234 COWLES
Actual: City,State,Zip: LONG BEACH, CA
12 ft. Region: LONG BEACH
Tanks: Not reported
Tank Test: Not reported
Leak Test: Not reported
Tank Status: Not reported

Z145
ESE
1/8-1/4
0.242 mi.
1280 ft.
FIRE STATION 3
1222 DAISY AVE
LONG BEACH, CA
Site 2 of 2 in cluster Z

CA UST **U003660623**
N/A

Relative: LONG BEACH UST:
Higher DATA AS OF 02/25/2014:
Actual: Name: FIRE STATION 3
25 ft. Address: 1222 DAISY AVE
City,State,Zip: LONG BEACH, CA
Region: LONG BEACH
Tanks: 0T
Tank Test: Not reported
Leak Test: Not reported
Tank Status: Not reported

AB146
NE
1/8-1/4
0.243 mi.
1281 ft.
1645 DAISY AVE
LONG BEACH, CA
Site 1 of 4 in cluster AB

CA UST **U003919949**
N/A

Relative: LONG BEACH UST:
Higher DATA AS OF 02/25/2014:
Actual: Name: Not reported
13 ft. Address: 1645 DAISY AVE
City,State,Zip: LONG BEACH, CA
Region: LONG BEACH
Tanks: 0F
Tank Test: Not reported
Leak Test: Not reported
Tank Status: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

AB147
NE
1/8-1/4
0.243 mi.
1281 ft.
EIGHT STAR LOGISTICS
1645 DAISY AVE
LONG BEACH, CA 90813
Site 2 of 4 in cluster AB

CA CERS HAZ WASTE
CA CERS
CA HWTS
S123516997
N/A

Relative:
Higher
Actual:
13 ft.

CERS HAZ WASTE:
Name: EIGHT STAR LOGISTICS
Address: 1645 DAISY AVE
City,State,Zip: LONG BEACH, CA 90813
Site ID: 409619
CERS ID: 10710028
CERS Description: Hazardous Waste Generator

CERS:
Name: EIGHT STAR LOGISTICS
Address: 1645 DAISY AVE
City,State,Zip: LONG BEACH, CA 90813
Site ID: 409619
CERS ID: 10710028
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 409619
Site Name: Eight Star Logistics
Violation Date: 10-27-2016
Citation: HSC 6.95 25507 - California Health and Safety Code, Chapter 6.95, Section(s) 25507
Violation Description: Failure to adequately establish and implement a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes: Returned to compliance on 11/23/2016.
Violation Division: Long Beach Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 409619
Site Name: Eight Star Logistics
Violation Date: 10-12-2016
Citation: 40 CFR 1 265.172 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.172
Violation Description: Failure to accumulate or store hazardous waste in container made of or lined with materials which will not react with, and are otherwise compatible with, the hazardous waste to be stored.
Violation Notes: Returned to compliance on 12/07/2016. Obtain an open-top 55 gal drum for storing used oil filters an on site. label provided.
Violation Division: Long Beach Environmental Health
Violation Program: HW
Violation Source: CERS

Site ID: 409619
Site Name: Eight Star Logistics
Violation Date: 09-26-2016
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description: Business Plan Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 10/25/2016.
Violation Division: Long Beach Environmental Health
Violation Program: HMRRP

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EIGHT STAR LOGISTICS (Continued)

S123516997

Violation Source: CERS

Site ID: 409619
Site Name: Eight Star Logistics
Violation Date: 10-12-2016
Citation: 22 CCR 12 66262.34(d) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(d)
Violation Description: Failure to send hazardous waste offsite for treatment, storage, or disposal within 180 days (or 270 days if waste is transported over 200 miles) for a generator who generates less than 1000 kilogram per month if all of the following conditions are met: (1) The quantity of hazardous waste accumulated onsite never exceeds 6,000 kilograms. (2) The generator complies with the requirements of 40 Code of Federal Regulations section 262.34(d), (e) and (f). (3) The generator does not hold acutely hazardous waste or extremely hazardous waste in an amount greater than one kilogram for more than 90 days.
Violation Notes: Returned to compliance on 12/07/2016. Dispose of used oil accumulated on site to date and retain documentation for re-inspection.
Violation Division: Long Beach Environmental Heath
Violation Program: HW
Violation Source: CERS

Site ID: 409619
Site Name: Eight Star Logistics
Violation Date: 06-21-2018
Citation: HSC 6.5 25250.22 - California Health and Safety Code, Chapter 6.5, Section(s) 25250.22
Violation Description: Failure to properly manage used oil and/or fuel filters in accordance with the requirements.
Violation Notes: Returned to compliance on 07/24/2018. Dispose of a full drum of used oil filters and retain documentation for re-inspection.
Violation Division: Long Beach Environmental Heath
Violation Program: HW
Violation Source: CERS

Site ID: 409619
Site Name: Eight Star Logistics
Violation Date: 06-21-2018
Citation: HSC 6.5 25123.3(h)(1) - California Health and Safety Code, Chapter 6.5, Section(s) 25123.3(h)(1)
Violation Description: Failure to send hazardous waste offsite for treatment, storage, or disposal within 180 days (or 270 days if waste is transported over 200 miles) for a generator who generates less than 1000 kilogram per month if all of the following conditions are met: (1) The quantity of hazardous waste accumulated onsite never exceeds 6,000 kilograms. (2) The generator complies with the requirements of 40 Code of Federal Regulations section 262.34(d), (e) and (f). (3) The generator does not hold acutely hazardous waste or extremely hazardous waste in an amount greater than one kilogram for more than 90 days.
Violation Notes: Returned to compliance on 07/24/2018. Several drums of used oil have exceeded their 180 day accumulation time limit. Dispose of all used oil on site and retain documentation for re-inspection on or after 7/23/18.
Violation Division: Long Beach Environmental Heath
Violation Program: HW
Violation Source: CERS

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EIGHT STAR LOGISTICS (Continued)

S123516997

Site ID:	409619
Site Name:	Eight Star Logistics
Violation Date:	10-27-2016
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to establish and electronically submit an adequate training program in safety procedures in the event of a release or threatened release of a hazardous material.
Violation Notes:	Returned to compliance on 11/23/2016.
Violation Division:	Long Beach Environmental Heath
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	409619
Site Name:	Eight Star Logistics
Violation Date:	09-26-2016
Citation:	HSC 6.95 25507 - California Health and Safety Code, Chapter 6.95, Section(s) 25507
Violation Description:	Failure to adequately establish and implement a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes:	Returned to compliance on 11/23/2016.
Violation Division:	Long Beach Environmental Heath
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	409619
Site Name:	Eight Star Logistics
Violation Date:	10-27-2016
Citation:	HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description:	Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes:	Returned to compliance on 11/23/2016.
Violation Division:	Long Beach Environmental Heath
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	409619
Site Name:	Eight Star Logistics
Violation Date:	10-12-2016
Citation:	22 CCR 15 66265.51 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.51
Violation Description:	Failure to prepare and implement a written Contingency Plan to minimize hazards to human health or the environment from fires, explosions, or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents to air, soil, or surface water.
Violation Notes:	Returned to compliance on 12/07/2016. Apply on-line on the CERS website and submit a Hazardous Materials Business Emergency Plan to the LBFD. Keep a copy of approved Plan on site at all timee.
Violation Division:	Long Beach Environmental Heath
Violation Program:	HW
Violation Source:	CERS
Site ID:	409619

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EIGHT STAR LOGISTICS (Continued)

S123516997

Site Name: Eight Star Logistics
Violation Date: 06-21-2018
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 06/21/2018. No labels on drums of used oil. Corrected on site during the inspection.
Violation Division: Long Beach Environmental Health
Violation Program: HW
Violation Source: CERS

Site ID: 409619
Site Name: Eight Star Logistics
Violation Date: 08-14-2018
Citation: HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description: Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes: Returned to compliance on 10/02/2018. OBSERVATION: Owner/Operator failed to review, revise, and re-certify the business plan at least once every year. CORRECTIVE ACTION: Review, revise, and re-certify the business plan at least once every year.
Violation Division: Long Beach Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 409619
Site Name: Eight Star Logistics
Violation Date: 09-26-2016
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to establish and electronically submit an adequate training program in safety procedures in the event of a release or threatened release of a hazardous material.
Violation Notes: Returned to compliance on 11/23/2016.
Violation Division: Long Beach Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-21-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Routine inspection with a violation of small truck fleet service yard. Permission to inspect granted by Luis Kang.
Eval Division: Long Beach Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-14-2018

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EIGHT STAR LOGISTICS (Continued)

S123516997

Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Long Beach Fire Department Hazardous Materials Specialist, Brian Erdman was on site to conduct a Hazardous Materials Business Emergency Plan inspection. The purpose of the HMBEP is to assist the LBFD during an emergency response to this facility. Ruben Mejia provided consent to conduct an inspection and tour the facility. Any facility that stores Hazardous Materials / Wastes equal to or greater than 55 gallons of a liquid, 500 pounds of solid, or 200 cubic feet of a gas is required to complete an electronic HMBEP to the California Environmental Response System (CERS) at <https://cers.calepa.ca.gov/> . The last HMBP submitted in CERS was on 11-23-16 however it must be submitted annually (see violation). The facility has the following Hazardous Materials Inventory stored at a reportable volume this time:
-Waste Oil -Automatic Transmission Fluid -Hydraulic Oil -Waste Antifreeze -Motor Oil -Diesel Exhaust Fluid -Liquified Natural Gas
Ensure to add the [Truncated]

Eval Division: Long Beach Environmental Heath
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 09-26-2016
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Long Beach Environmental Heath
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 10-02-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: On site to conduct a follow-up Hazardous Materials Business Plan inspection. I met with Mr. Luis Kang and he updated the HMBP in CERS and resubmitted it during this inspection. The HMBP submitted in CERS is complete and accepted. Violation C762 is corrected.

Eval Division: Long Beach Environmental Heath
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-12-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Single business license inspection with violations of a trucking fleet that services their own tractor trailer engines on site.

Eval Division: Long Beach Environmental Heath
Eval Program: HW
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 10-25-2016
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EIGHT STAR LOGISTICS (Continued)

S123516997

Eval Division: Long Beach Environmental Heath
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 12-07-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Routine inspection with no violations of a trucking fleet maintenance yard.

Eval Division: Long Beach Environmental Heath
Eval Program: HW
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 07-24-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Re-inspection with no violations of a small truck fleet service yard.
Used oil was disposed of properly with documentation retained on site.
A copy of Haz Waste OIR was e-mailed to lkang@abatti.com.

Eval Division: Long Beach Environmental Heath
Eval Program: HW
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 11-23-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Long Beach Environmental Heath
Eval Program: HMRRP
Eval Source: CERS

Coordinates:
Site ID: 409619
Facility Name: Eight Star Logistics
Env Int Type Code: HMBP
Program ID: 10710028
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 33.787160
Longitude: -118.200010

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: Long Beach Environmental Heath
Entity Title: Not reported
Affiliation Address: 2525 Grand Avenue
Affiliation City: Long Beach
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90815
Affiliation Phone: (562) 570-4131

Affiliation Type Desc: Legal Owner

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EIGHT STAR LOGISTICS (Continued)

S123516997

Entity Name: Eight Star Logistics
Entity Title: Not reported
Affiliation Address: 1645 Daisy Av
Affiliation City: Long Beach
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 90813
Affiliation Phone: (760) 482-9400

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 1645 Daisy Av
Affiliation City: Long Beach
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90813
Affiliation Phone: Not reported

Affiliation Type Desc: Operator
Entity Name: juan ruiz
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (760) 909-1340

Affiliation Type Desc: Environmental Contact
Entity Name: Luis Kang
Entity Title: Not reported
Affiliation Address: 1645 Daisy Ave
Affiliation City: Long Beach
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90813
Affiliation Phone: Not reported

Affiliation Type Desc: Identification Signer
Entity Name: Luis Kang
Entity Title: Manager
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Document Preparer
Entity Name: Luis Kang
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EIGHT STAR LOGISTICS (Continued)

S123516997

Affiliation Phone: Not reported

Affiliation Type Desc: Parent Corporation
Entity Name: Eight Star Logistics
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

HWTS:

Name: EIGHT STAR LOGISTICS
Address: 1645 DAISY AVE
Address 2: Not reported
City,State,Zip: LONG BEACH, CA 908130000
EPA ID: CAL000394964
Inactive Date: 06/30/2016
Create Date: 03/12/2014
Last Act Date: 01/12/2017
Mailing Name: Not reported
Mailing Address: 2015 SILSBEE RD
Mailing Address 2: Not reported
Mailing City,State,Zip: EL CENTRO, CA 92243
Owner Name: ALEX ABATTI JR
Owner Address: 2015 SILSBEE RD
Owner Address 2: Not reported
Owner City,State,Zip: EL CENTRO, CA 92243
Contact Name: HENRY TOSTADO
Contact Address: 1645 DAISY AVE
Contact Address 2: Not reported
City,State,Zip: LONG BEACH, CA 90813

NAICS:

EPA ID: CAL000394964
Create Date: 2014-03-12 13:01:04
NAICS Code: 72231
NAICS Description: Food Service Contractors
Issued EPA ID Date: 2014-03-12 13:01:04
Inactive Date: 2016-06-30 00:00:00
Facility Name: EIGHT STAR LOGISTICS
Facility Address: 1645 DAISY AVE
Facility Address 2: Not reported
Facility City: LONG BEACH
Facility County: 19
Facility State: CA
Facility Zip: 908130000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

X148
WNW
1/8-1/4
0.243 mi.
1283 ft.

GAYLORD INSPECTION LABS INC
1243 W COWLES
LONG BEACH, CA 90813

RCRA NonGen / NLR
FINDS
ECHO

1000290834
CAD028413250

Site 8 of 11 in cluster X

Relative:
Lower

RCRA NonGen / NLR:

Actual:
12 ft.

Date form received by agency: 1980-08-22 00:00:00.0
Facility name: GAYLORD INSPECTION LABS INC
Facility address: 1243 W COWLES
LONG BEACH, CA 90813
EPA ID: CAD028413250
Mailing address: W COWLES
LONG BEACH, CA 90813
Contact: ENVIRONMENTAL MANAGER
Contact address: 1243 W COWLES
LONG BEACH, CA 90813
Contact country: US
Contact telephone: 213-432-2901
Contact email: Not reported
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: JAMES L DANKS
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GAYLORD INSPECTION LABS INC (Continued)

1000290834

On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002640429
Facility URL: http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110002640429

Environmental Interest/Information System:

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1000290834
Registry ID: 110002640429
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110002640429>
Name: GAYLORD INSPECTION LABS INC
Address: 1243 W COWLES
City,State,Zip: LONG BEACH, CA 90813

**AB149
NE
1/8-1/4
0.245 mi.
1293 ft.**

**VACANT
0615 W 17TH ST
LONG BEACH, CA**

**CA UST U003854658
N/A**

Site 3 of 4 in cluster AB

**Relative:
Higher**

LONG BEACH UST:

**Actual:
13 ft.**

DATA AS OF 02/25/2014:

Name: VACANT
Address: 0615 W 17TH ST
City,State,Zip: LONG BEACH, CA
Region: LONG BEACH
Tanks: 0T
Tank Test: Not reported
Leak Test: Not reported
Tank Status: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

X150
WNW
1/8-1/4
0.248 mi.
1311 ft.

NEILL AIRCRAFT INC
1260 W 15TH ST
LONG BEACH, CA
Site 9 of 11 in cluster X

CA UST U003659985
N/A

Relative:
Lower

LONG BEACH UST:

Actual:
10 ft.

DATA AS OF 02/25/2014:

Name: NEILL AIRCRAFT INC
Address: 1260 W 15TH ST
City,State,Zip: LONG BEACH, CA
Region: LONG BEACH
Tanks: 0T
Tank Test: Not reported
Leak Test: Not reported
Tank Status: Not reported

X151
WNW
1/8-1/4
0.248 mi.
1311 ft.

NEILL AIRCRAFT COMPANY
1260 W 15TH ST
LONG BEACH, CA 90813
Site 10 of 11 in cluster X

CA LUST 1000287667
RCRA NonGen / NLR CAD982462657
FINDS
ECHO
CA CERS

Relative:
Lower

LUST:

Actual:
10 ft.

Name: NEILL AIRCRAFT
Address: 1260 15TH ST W
City,State,Zip: LONG BEACH, CA 90813
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603701965
Global Id: T0603701965
Latitude: 33.7854407
Longitude: -118.2084165
Status: Completed - Case Closed
Status Date: 07/01/2015
Case Worker: JR
RB Case Number: 908130543
Local Agency: LONG BEACH, CITY OF
File Location: Regional Board
Local Case Number: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:

Global Id: T0603701965
Contact Type: Local Agency Caseworker
Contact Name: CARMEN PIRO
Organization Name: LONG BEACH, CITY OF
Address: 2525 GRAND AVE.
City: LONG BEACH
Email: carmen.piro@longbeach.gov
Phone Number: 5625704137

Global Id: T0603701965
Contact Type: Regional Board Caseworker
Contact Name: JAMES RYAN
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: West 4th Street, Suite 200
City: LOS ANGELES

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NEILL AIRCRAFT COMPANY (Continued)

1000287667

Email: jamesw.ryan@waterboards.ca.gov
Phone Number: 2135766711

LUST:

Global Id: T0603701965
Action Type: ENFORCEMENT
Date: 11/30/2012
Action: Staff Letter

Global Id: T0603701965
Action Type: ENFORCEMENT
Date: 09/16/2008
Action: Notice to Comply

Global Id: T0603701965
Action Type: ENFORCEMENT
Date: 03/11/2009
Action: Staff Letter

Global Id: T0603701965
Action Type: ENFORCEMENT
Date: 05/10/2013
Action: Staff Letter

Global Id: T0603701965
Action Type: RESPONSE
Date: 11/15/2013
Action: Site Assessment Report

Global Id: T0603701965
Action Type: RESPONSE
Date: 07/15/2013
Action: Monitoring Report - Quarterly

Global Id: T0603701965
Action Type: ENFORCEMENT
Date: 06/15/2009
Action: Staff Letter

Global Id: T0603701965
Action Type: ENFORCEMENT
Date: 01/24/2014
Action: Staff Letter

Global Id: T0603701965
Action Type: RESPONSE
Date: 07/15/2012
Action: Monitoring Report - Semi-Annually

Global Id: T0603701965
Action Type: RESPONSE
Date: 02/06/2015
Action: Well Destruction Report

Global Id: T0603701965
Action Type: ENFORCEMENT
Date: 06/24/2002

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NEILL AIRCRAFT COMPANY (Continued)

1000287667

Action:	Staff Letter
Global Id:	T0603701965
Action Type:	ENFORCEMENT
Date:	07/01/2015
Action:	Closure/No Further Action Letter
Global Id:	T0603701965
Action Type:	RESPONSE
Date:	07/02/2012
Action:	Soil and Water Investigation Report
Global Id:	T0603701965
Action Type:	RESPONSE
Date:	04/15/2014
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603701965
Action Type:	ENFORCEMENT
Date:	10/14/2014
Action:	Notification - Preclosure
Global Id:	T0603701965
Action Type:	RESPONSE
Date:	05/15/2009
Action:	Other Report / Document
Global Id:	T0603701965
Action Type:	RESPONSE
Date:	12/15/2014
Action:	Other Report / Document
Global Id:	T0603701965
Action Type:	Other
Date:	01/01/1988
Action:	Leak Discovery
Global Id:	T0603701965
Action Type:	RESPONSE
Date:	01/15/2013
Action:	CAP/RAP - Final Remediation / Design Plan - Regulator Responded
Global Id:	T0603701965
Action Type:	RESPONSE
Date:	11/15/2013
Action:	Request for Closure - Regulator Responded
Global Id:	T0603701965
Action Type:	REMEDIATION
Date:	08/14/2014
Action:	Excavation
Global Id:	T0603701965
Action Type:	ENFORCEMENT
Date:	04/06/2012
Action:	Health and Safety Code Section 25296.10(c)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NEILL AIRCRAFT COMPANY (Continued)

1000287667

Global Id: T0603701965
Action Type: RESPONSE
Date: 07/02/2012
Action: Soil and Water Investigation Report

Global Id: T0603701965
Action Type: ENFORCEMENT
Date: 03/20/2001
Action: Staff Letter

Global Id: T0603701965
Action Type: Other
Date: 07/18/1997
Action: Leak Reported

LUST:

Global Id: T0603701965
Status: Open - Case Begin Date
Status Date: 01/01/1988

Global Id: T0603701965
Status: Open - Site Assessment
Status Date: 07/18/1997

Global Id: T0603701965
Status: Open - Verification Monitoring
Status Date: 07/18/1997

Global Id: T0603701965
Status: Open - Site Assessment
Status Date: 10/14/1997

Global Id: T0603701965
Status: Open - Site Assessment
Status Date: 12/19/1997

Global Id: T0603701965
Status: Open - Site Assessment
Status Date: 07/29/1998

Global Id: T0603701965
Status: Open - Site Assessment
Status Date: 12/01/2012

Global Id: T0603701965
Status: Open - Remediation
Status Date: 05/10/2013

Global Id: T0603701965
Status: Open - Eligible for Closure
Status Date: 10/14/2014

Global Id: T0603701965
Status: Completed - Case Closed
Status Date: 07/01/2015

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NEILL AIRCRAFT COMPANY (Continued)

1000287667

LUST REG 4:

Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facility Id:	908130543	
Status:	Pollution Characterization	
Substance:	Gasoline	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Groundwater	
Abatement Method Used at the Site:	Not reported	
Global ID:	T0603701965	
W Global ID:	Not reported	
Staff:	HDN	
Local Agency:	19060	
Cross Street:	710 FWY	
Enforcement Type:	LET	
Date Leak Discovered:	1/1/1988	
Date Leak First Reported:	7/18/1997	
Date Leak Record Entered:	4/24/1998	
Date Confirmation Began:	7/18/1997	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:	11/27/2000	
Date the Case was Closed:	Not reported	
How Leak Discovered:	Tank Closure	
How Leak Stopped:	Not reported	
Cause of Leak:	Not reported	
Leak Source:	Not reported	
Operator:	Not reported	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):	16828.558327902106321695975613	
Source of Cleanup Funding:	Not reported	
Preliminary Site Assessment Workplan Submitted:	10/14/1997	
Preliminary Site Assessment Began:	12/19/1997	
Pollution Characterization Began:	7/29/1998	
Remediation Plan Submitted:	Not reported	
Remedial Action Underway:	Not reported	
Post Remedial Action Monitoring Began:	7/18/1997	
Enforcement Action Date:	3/20/2001	
Historical Max MTBE Date:	1/1/1965	
Hist Max MTBE Conc in Groundwater:	110	
Hist Max MTBE Conc in Soil:	Not reported	
Significant Interim Remedial Action Taken:	Not reported	
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	NEILL RAY	
RP Address:	2525 GRAND AVE.	
Program:	LUST	
Lat/Long:	33.7854407 / -1	
Local Agency Staff:	Not reported	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NEILL AIRCRAFT COMPANY (Continued)

1000287667

Assigned Name: Not reported
Summary: 10/14/97 - WP FOR ADDITIONAL SOIL INVESTIGATION; 03/02/98 - SITE INVESTIGATION REPORT; 06/19/98 - WP SOIL & GW INVESTIGATION WP; 07/16/98 - WP ADDENDUM-ADDL SOIL INVESTIGATION; 11/27/00 GW INVESTIGATION WP

RCRA NonGen / NLR:

Date form received by agency: 1989-06-15 00:00:00.0
Facility name: NEILL AIRCRAFT COMPANY
Facility address: 1260 W 15TH ST
LONG BEACH, CA 90813-1302
EPA ID: CAD982462657
Contact: EDDIE ENRIQUEZ
Contact address: 1260 W 15TH ST
LONG BEACH, CA 90813
Contact country: Not reported
Contact telephone: 562-432-7981
Contact email: EENRIQUEZ@NEILLAIRCRAFT.COM
EPA Region: 09
Land type: Facility is not located on Indian land. Additional information is not known.
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: NEILL FAMILY TRUST
Owner/operator address: 1260 W 15TH ST
LONG BEACH, CA 90813
Owner/operator country: Not reported
Owner/operator telephone: 562-432-7981
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: EDDIE ENRIQUEZ
Owner/operator address: 1260 W 15TH ST
LONG BEACH, CA 90813
Owner/operator country: Not reported
Owner/operator telephone: 562-432-7981
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: RAYMOND A NEILL
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NEILL AIRCRAFT COMPANY (Continued)

1000287667

Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: Yes
Transporter of hazardous waste: Yes
Treater, storer or disposer of HW: Yes
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 1988-12-31 00:00:00.0
Site name: NEILL AIRCRAFT COMPANY
Classification: Large Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110002816356
Facility URL: http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110002816356

Environmental Interest/Information System:

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

US National Pollutant Discharge Elimination System (NPDES) module of the Compliance Information System (ICIS) tracks surface water permits issued under the Clean Water Act. Under NPDES, all facilities that discharge pollutants from any point source into waters of the United States are required to obtain a permit. The permit will likely contain limits on what can be discharged, impose monitoring and reporting requirements, and include other provisions to ensure that the discharge does not adversely affect water quality.

STATE MASTER

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NEILL AIRCRAFT COMPANY (Continued)

1000287667

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1000287667
Registry ID: 110002816356
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110002816356>
Name: NEILL AIRCRAFT COMPANY
Address: 1260 W 15TH STREET
City,State,Zip: LONG BEACH, CA 90813

CERS:

Name: NEILL AIRCRAFT
Address: 1260 15TH ST W
City,State,Zip: LONG BEACH, CA 90813
Site ID: 192827
CERS ID: T0603701965
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc: Local Agency Caseworker
Entity Name: CARMEN PIRO - LONG BEACH, CITY OF
Entity Title: Not reported
Affiliation Address: 2525 GRAND AVE.
Affiliation City: LONG BEACH
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 5625704137

Affiliation Type Desc: Regional Board Caseworker
Entity Name: JAMES RYAN - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: West 4th Street, Suite 200
Affiliation City: LOS ANGELES
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 2135766711

X152
WNW
1/8-1/4
0.248 mi.
1311 ft.
NEILL AIRCRAFT CO
1260 W 15TH ST
LONG BEACH, CA 90813
Site 11 of 11 in cluster X

CA CERS HAZ WASTE
CA NPDES
CA CIWQS
CA CERS
S108751634
N/A

Relative:
Lower
Actual:
10 ft.

CERS HAZ WASTE:
Name: NEILL AIRCRAFT CO
Address: 1260 W 15TH ST
City,State,Zip: LONG BEACH, CA 90813
Site ID: 411875
CERS ID: 10604092
CERS Description: RCRA LQ HW Generator

Name: NEILL AIRCRAFT CO
Address: 1260 W 15TH ST

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NEILL AIRCRAFT CO (Continued)

S108751634

City,State,Zip: LONG BEACH, CA 90813
Site ID: 411875
CERS ID: 10604092
CERS Description: Hazardous Waste Generator

NPDES:

Name: NEILL AIRCRAFT CO
Address: 1260 W 15TH ST
City,State,Zip: LONG BEACH, CA 90813
Facility Status: Active
NPDES Number: CAS000001
Region: 4
Agency Number: 0
Regulatory Measure ID: 292931
Place ID: Not reported
Order Number: 97-03-DWQ
WDID: 4 19I018769
Regulatory Measure Type: Enrollee
Program Type: Industrial
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: 04/30/2004
Termination Date Of Regulatory Measure: Not reported
Expiration Date Of Regulatory Measure: Not reported
Discharge Address: 1260 W 15th St
Discharge Name: Neill Aircraft Co
Discharge City: Long Beach
Discharge State: California
Discharge Zip: 90813
Status: Not reported
Status Date: Not reported
Operator Name: Not reported
Operator Address: Not reported
Operator City: Not reported
Operator State: Not reported
Operator Zip: Not reported

NPDES as of 03/2018:

NPDES Number: CAS000001
Status: Active
Agency Number: 0
Region: 4
Regulatory Measure ID: 292931
Order Number: 97-03-DWQ
Regulatory Measure Type: Enrollee
Place ID: Not reported
WDID: 4 19I018769
Program Type: Industrial
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: 04/30/2004
Expiration Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported
Discharge Name: Neill Aircraft Co
Discharge Address: 1260 W 15th St
Discharge City: Long Beach
Discharge State: California
Discharge Zip: 90813
Received Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NEILL AIRCRAFT CO (Continued)

S108751634

Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commercial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	Not reported

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NEILL AIRCRAFT CO (Continued)

S108751634

Status:	Not reported
Agency Number:	Not reported
Region:	4
Regulatory Measure ID:	292931
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	4 19I018769
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	05/09/2008
Processed Date:	04/30/2004
Status:	Active
Status Date:	04/30/2004
Place Size:	12000
Place Size Unit:	SqFt
Contact:	Eddie Enriquez
Contact Title:	Not reported
Contact Phone:	562-432-7981
Contact Phone Ext:	Not reported
Contact Email:	eddie@neillaircraft.com
Operator Name:	Neill Aircraft Co
Operator Address:	1260 W 15th St
Operator City:	Long Beach
Operator State:	California
Operator Zip:	90813
Operator Contact:	Eddie Enriquez
Operator Contact Title:	Not reported
Operator Contact Phone:	562-432-7981
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	eddie@neillaircraft.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	562-355-4142
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commercial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported

Map ID
Direction
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NEILL AIRCRAFT CO (Continued)

S108751634

Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Los Angeles River
Certifier:	Eddie Enriquez
Certifier Title:	Safety Coordinator
Certification Date:	30-JUL-15
Primary Sic:	3728-Aircraft Parts and Auxiliary Equipment, NEC
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

Name:	NEILL AIRCRAFT CO
Address:	1260 W 15TH ST
City,State,Zip:	LONG BEACH, CA 90813
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	4 19I018769
Regulatory Measure Type:	Industrial
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Active
Status Date:	04/30/2004
Operator Name:	Neill Aircraft Co
Operator Address:	1260 W 15th St
Operator City:	Long Beach
Operator State:	California
Operator Zip:	90813

NPDES as of 03/2018:

NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	4
Regulatory Measure ID:	292931
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported

Map ID
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NEILL AIRCRAFT CO (Continued)

S108751634

WDID:	4 19I018769
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	04/30/2004
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Neill Aircraft Co
Discharge Address:	1260 W 15th St
Discharge City:	Long Beach
Discharge State:	California
Discharge Zip:	90813
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commercial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported

Map ID
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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

NEILL AIRCRAFT CO (Continued)

S108751634

Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	4
Regulatory Measure ID:	292931
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	4 19I018769
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	05/09/2008
Processed Date:	04/30/2004
Status:	Active
Status Date:	04/30/2004
Place Size:	12000
Place Size Unit:	SqFt
Contact:	Eddie Enriquez
Contact Title:	Not reported
Contact Phone:	562-432-7981
Contact Phone Ext:	Not reported
Contact Email:	eddie@neillaircraft.com
Operator Name:	Neill Aircraft Co
Operator Address:	1260 W 15th St
Operator City:	Long Beach
Operator State:	California
Operator Zip:	90813
Operator Contact:	Eddie Enriquez
Operator Contact Title:	Not reported
Operator Contact Phone:	562-432-7981
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	eddie@neillaircraft.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NEILL AIRCRAFT CO (Continued)

S108751634

Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	562-355-4142
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commercial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Los Angeles River
Certifier:	Eddie Enriquez
Certifier Title:	Safety Coordinator
Certification Date:	30-JUL-15
Primary Sic:	3728-Aircraft Parts and Auxiliary Equipment, NEC
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

CIWQS:

Name:	NEILL AIRCRAFT CO
Address:	1260 W 15TH ST
City,State,Zip:	LONG BEACH, CA 90813
Agency:	Neill Aircraft Co
Agency Address:	1260 W 15th St, Long Beach, CA 90813
Place/Project Type:	Industrial - Aircraft Parts and Auxiliary Equipment, NEC
SIC/NAICS:	3728
Region:	4
Program:	INDSTW
Regulatory Measure Status:	Active
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	4 19I018769
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	04/30/2004
Termination Date:	Not reported
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	33.78556

Map ID
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NEILL AIRCRAFT CO (Continued)

S108751634

Longitude: -118.20843

CERS:

Name: NEILL AIRCRAFT CO
Address: 1260 W 15TH ST
City,State,Zip: LONG BEACH, CA 90813
Site ID: 411875
CERS ID: 10604092
CERS Description: Chemical Storage Facilities

Violations:

Site ID: 411875
Site Name: NEILL AIRCRAFT CO
Violation Date: 06-25-2014
Citation: HSC 6.11 25404(e)(4) - California Health and Safety Code, Chapter 6.11, Section(s) 25404(e)(4)
Violation Description: Failure to report program data electronically.
Violation Notes: Returned to compliance on 08/07/2014.
Violation Division: Long Beach Environmental Heath
Violation Program: HMRRP
Violation Source: CERS

Site ID: 411875
Site Name: NEILL AIRCRAFT CO
Violation Date: 06-25-2014
Citation: HSC 6.95 25504(c) - California Health and Safety Code, Chapter 6.95, Section(s) 25504(c)
Violation Description: Failure to include an adequate training program in the business plan, which is reasonable and appropriate for the size of the business and the nature of the hazardous material handled.
Violation Notes: Returned to compliance on 08/07/2014.
Violation Division: Long Beach Environmental Heath
Violation Program: HMRRP
Violation Source: CERS

Site ID: 411875
Site Name: NEILL AIRCRAFT CO
Violation Date: 04-25-2017
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes: Returned to compliance on 06/30/2017.
Violation Division: Long Beach Environmental Heath
Violation Program: HMRRP
Violation Source: CERS

Site ID: 411875
Site Name: NEILL AIRCRAFT CO
Violation Date: 04-10-2014
Citation: HSC 6.95 25504(c) - California Health and Safety Code, Chapter 6.95, Section(s) 25504(c)
Violation Description: Failure to include an adequate training program in the business plan, which is reasonable and appropriate for the size of the business and the nature of the hazardous material handled.
Violation Notes: Returned to compliance on 08/07/2014.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NEILL AIRCRAFT CO (Continued)

S108751634

Violation Division: Long Beach Environmental Heath
Violation Program: HMRRP
Violation Source: CERS

Site ID: 411875
Site Name: NEILL AIRCRAFT CO
Violation Date: 04-10-2014
Citation: HSC 6.11 25404(e)(4) - California Health and Safety Code, Chapter 6.11, Section(s) 25404(e)(4)
Violation Description: Failure to report program data electronically.
Violation Notes: Returned to compliance on 08/07/2014.
Violation Division: Long Beach Environmental Heath
Violation Program: HMRRP
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-30-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Long Beach Environmental Heath
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-10-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Long Beach Environmental Heath
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 06-25-2014
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: FOLLOWUP TO 4/10/2014 ROUTINE
Eval Division: Long Beach Environmental Heath
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 08-07-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: FACILITY HAS CORRECTED VIOLATION OBSERVED ON THE 04/5/17 ROUTINE INSPECTION.
Eval Division: Long Beach Environmental Heath
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 10-30-2013
Violations Found: No
Eval Type: Other, not routine, done by local agency

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NEILL AIRCRAFT CO (Continued)

S108751634

Eval Notes:
Eval Division:
Eval Program:
Eval Source:

NEILL AIRCRAFT COMPANY
Long Beach Environmental Heath
HW
CERS

Eval General Type:
Eval Date:
Violations Found:
Eval Type:
Eval Notes:

Compliance Evaluation Inspection
11-18-2016
No
Routine done by local agency
1260 W. 15TH ST. ON-SITE TO CONDUCT A ROUTINE INSPECTION OF NEILL AIRCRAFT COMPANY. PERMISSION TO INSPECT THE FACILITY WAS GRANTED TO ME BY EDDIE ENRIQUEZ, SAFETY COORDINATOR. THIS FACILITY IS AN AIRCRAFT PARTS MANUFACTURING FACILITY AND GENERATES HAZARDOUS WASTE, THEREFORE IS SUBJECT TO HAZARDOUS WASTE GENERATOR REQUIREMENTS. FACILITY BASED ON MANIFESTS OBSERVED APPEARS TO BE A LARGE QUANTITY GENERATOR OF HAZARDOUS WASTE. FACILITY ACCUMULATES OILY WATER WASTE IN CAGED TOTES. EMPTY 55 GALLON DRUMS ARE SENT OUT FOR METAL RECYCLING. BE ADVISED, YOUR FACILITY WAS PROVIDED WITH INFORMATION REGARDING THE ABOVEGROUND PETROLEUM STORAGE ACT (APSA) AND SPILL PREVENTION CONTROL AND COUNTER MEASURE PLAN. PLEASE REVIEW THE INFORMATION PROVIDED AND DETERMINE IF YOUR FACILITY IS SUBJECT TO THE REQUIREMENTS. IF YOUR FACILITY IS SUBJECT TO THE REQUIREMENTS OF APSA, UPDATE YOUR BUSINESS ACTIVITIES IN THE CALIFORNIA ENVIRONMENTAL REPORTING SYSTEM (CERS). REMEMBER TO ANNUALLY [Truncated]

Eval Division:
Eval Program:
Eval Source:

Long Beach Environmental Heath
HW
CERS

Eval General Type:
Eval Date:
Violations Found:
Eval Type:
Eval Notes:
Eval Division:
Eval Program:
Eval Source:

Compliance Evaluation Inspection
04-05-2017
Yes
Routine done by local agency
Not reported
Long Beach Environmental Heath
HMRRP
CERS

Enforcement Action:

Site ID:
Site Name:
Site Address:
Site City:
Site Zip:
Enf Action Date:
Enf Action Type:
Enf Action Description:
Enf Action Notes:

411875
NEILL AIRCRAFT CO
1260 W 15TH ST
LONG BEACH
90813
03-05-2003
Staff Enforcement Letter
Staff Enforcement Letter
Notice of Noncompliance sent 3/5/03 for failure to file NOI for coverage under industrial stormwater permit or NNA, as appropriate.

Enf Action Division:
Enf Action Program:
Enf Action Source:

Water Boards
INDSTW
SMARTS

Site ID:
Site Name:
Site Address:
Site City:
Site Zip:

411875
NEILL AIRCRAFT CO
1260 W 15TH ST
LONG BEACH
90813

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NEILL AIRCRAFT CO (Continued)

S108751634

Enf Action Date: 05-23-2003
Enf Action Type: Notice of Violation
Enf Action Description: Notice of Violation
Enf Action Notes: NOV sent 5/23/03 for failure to respond to 3/5/03 Notice of Noncompliance & failure to file NOI for coverage under industrial stormwater permit or NNA, as appropriate.

Enf Action Division: Water Boards
Enf Action Program: INDSTW
Enf Action Source: SMARTS

Site ID: 411875
Site Name: NEILL AIRCRAFT CO
Site Address: 1260 W 15TH ST
Site City: LONG BEACH
Site Zip: 90813
Enf Action Date: 08-18-2003
Enf Action Type: Staff Enforcement Letter
Enf Action Description: Staff Enforcement Letter
Enf Action Notes: Staff enforcement letter sent 8/18/03 requiring facility to file NOI for coverage under industrial stormwater permit.

Enf Action Division: Water Boards
Enf Action Program: INDSTW
Enf Action Source: SMARTS

Coordinates:
Site ID: 411875
Facility Name: NEILL AIRCRAFT CO
Env Int Type Code: HMBP
Program ID: 10604092
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 33.785300
Longitude: -118.208630

Affiliation:
Affiliation Type Desc: Identification Signer
Entity Name: Eduardo Enriquez
Entity Title: Safety Coordinator
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Operator
Entity Name: Judy Carpenter
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (562) 432-7981

Affiliation Type Desc: Owner/Operator

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NEILL AIRCRAFT CO (Continued)

S108751634

Entity Name: Neill Aircraft Co
Entity Title: Operator
Affiliation Address: 1260 W 15th St
Affiliation City: Long Beach
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90813
Affiliation Phone: Not reported

Affiliation Type Desc: Document Preparer
Entity Name: Eduardo Enriquez
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner
Entity Name: Judy Carpenter
Entity Title: Not reported
Affiliation Address: 1260 W 15th St
Affiliation City: Long Beach
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 90813
Affiliation Phone: (562) 432-7981

Affiliation Type Desc: Parent Corporation
Entity Name: NEILL AIRCRAFT CO
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: CUPA District
Entity Name: Long Beach Environmental Heath
Entity Title: Not reported
Affiliation Address: 2525 Grand Avenue
Affiliation City: Long Beach
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90815
Affiliation Phone: (562) 570-4131

Affiliation Type Desc: Environmental Contact
Entity Name: Eduardo Enriquez
Entity Title: Not reported
Affiliation Address: 1260 w. 15th st
Affiliation City: Long Beach
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90813

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NEILL AIRCRAFT CO (Continued)

S108751634

Affiliation Phone: Not reported

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 1260 w. 15th st
Affiliation City: Long Beach
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90813
Affiliation Phone: Not reported

Affiliation Type Desc: Property Owner
Entity Name: Neill Aircraft Company
Entity Title: Not reported
Affiliation Address: 1260 w. 15th st
Affiliation City: Long Beach
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 90813
Affiliation Phone: (562) 432-7981

Name: NEILL AIRCRAFT CO
Address: 1260 W 15TH ST
City,State,Zip: LONG BEACH, CA 90813
Site ID: 411875
CERS ID: 627658
CERS Description: Industrial Facility Storm Water

Violations:

Site ID: 411875
Site Name: NEILL AIRCRAFT CO
Violation Date: 06-25-2014
Citation: HSC 6.11 25404(e)(4) - California Health and Safety Code, Chapter 6.11, Section(s) 25404(e)(4)
Violation Description: Failure to report program data electronically.
Violation Notes: Returned to compliance on 08/07/2014.
Violation Division: Long Beach Environmental Heath
Violation Program: HMRRP
Violation Source: CERS

Site ID: 411875
Site Name: NEILL AIRCRAFT CO
Violation Date: 06-25-2014
Citation: HSC 6.95 25504(c) - California Health and Safety Code, Chapter 6.95, Section(s) 25504(c)
Violation Description: Failure to include an adequate training program in the business plan, which is reasonable and appropriate for the size of the business and the nature of the hazardous material handled.
Violation Notes: Returned to compliance on 08/07/2014.
Violation Division: Long Beach Environmental Heath
Violation Program: HMRRP
Violation Source: CERS

Site ID: 411875
Site Name: NEILL AIRCRAFT CO
Violation Date: 04-25-2017

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NEILL AIRCRAFT CO (Continued)

S108751634

Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes: Returned to compliance on 06/30/2017.
Violation Division: Long Beach Environmental Heath
Violation Program: HMRRP
Violation Source: CERS

Site ID: 411875
Site Name: NEILL AIRCRAFT CO
Violation Date: 04-10-2014
Citation: HSC 6.95 25504(c) - California Health and Safety Code, Chapter 6.95, Section(s) 25504(c)
Violation Description: Failure to include an adequate training program in the business plan, which is reasonable and appropriate for the size of the business and the nature of the hazardous material handled.
Violation Notes: Returned to compliance on 08/07/2014.
Violation Division: Long Beach Environmental Heath
Violation Program: HMRRP
Violation Source: CERS

Site ID: 411875
Site Name: NEILL AIRCRAFT CO
Violation Date: 04-10-2014
Citation: HSC 6.11 25404(e)(4) - California Health and Safety Code, Chapter 6.11, Section(s) 25404(e)(4)
Violation Description: Failure to report program data electronically.
Violation Notes: Returned to compliance on 08/07/2014.
Violation Division: Long Beach Environmental Heath
Violation Program: HMRRP
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-30-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Long Beach Environmental Heath
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-10-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Long Beach Environmental Heath
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 06-25-2014
Violations Found: Yes
Eval Type: Other, not routine, done by local agency

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NEILL AIRCRAFT CO (Continued)

S108751634

Eval Notes:	FOLLOWUP TO 4/10/2014 ROUTINE
Eval Division:	Long Beach Environmental Heath
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	08-07-2017
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	FACILITY HAS CORRECTED VIOLATION OBSERVED ON THE 04/5/17 ROUTINE INSPECTION.
Eval Division:	Long Beach Environmental Heath
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	10-30-2013
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	NEILL AIRCRAFT COMPANY
Eval Division:	Long Beach Environmental Heath
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-18-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	1260 W. 15TH ST. ON-SITE TO CONDUCT A ROUTINE INSPECTION OF NEILL AIRCRAFT COMPANY. PERMISSION TO INSPECT THE FACILITY WAS GRANTED TO ME BY EDDIE ENRIQUEZ, SAFETY COORDINATOR. THIS FACILITY IS AN AIRCRAFT PARTS MANUFACTURING FACILITY AND GENERATES HAZARDOUS WASTE, THEREFORE IS SUBJECT TO HAZARDOUS WASTE GENERATOR REQUIREMENTS. FACILITY BASED ON MANIFESTS OBSERVED APPEARS TO BE A LARGE QUANTITY GENERATOR OF HAZARDOUS WASTE. FACILITY ACCUMULATES OILY WATER WASTE IN CAGED TOTES. EMPTY 55 GALLON DRUMS ARE SENT OUT FOR METAL RECYCLING. BE ADVISED, YOUR FACILITY WAS PROVIDED WITH INFORMATION REGARDING THE ABOVEGROUND PETROLEUM STORAGE ACT (APSA) AND SPILL PREVENTION CONTROL AND COUNTER MEASURE PLAN. PLEASE REVIEW THE INFORMATION PROVIDED AND DETERMINE IF YOUR FACILITY IS SUBJECT TO THE REQUIREMENTS. IF YOUR FACILITY IS SUBJECT TO THE REQUIREMENTS OF APSA, UPDATE YOUR BUSINESS ACTIVITIES IN THE CALIFORNIA ENVIRONMENTAL REPORTING SYSTEM (CERS). REMEMBER TO ANNUALLY [Truncated]
Eval Division:	Long Beach Environmental Heath
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-05-2017
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Long Beach Environmental Heath
Eval Program:	HMRRP
Eval Source:	CERS

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NEILL AIRCRAFT CO (Continued)

S108751634

Enforcement Action:

Site ID: 411875
Site Name: NEILL AIRCRAFT CO
Site Address: 1260 W 15TH ST
Site City: LONG BEACH
Site Zip: 90813
Enf Action Date: 03-05-2003
Enf Action Type: Staff Enforcement Letter
Enf Action Description: Staff Enforcement Letter
Enf Action Notes: Notice of Noncompliance sent 3/5/03 for failure to file NOI for coverage under industrial stormwater permit or NNA, as appropriate.

Enf Action Division: Water Boards
Enf Action Program: INDSTW
Enf Action Source: SMARTS

Site ID: 411875
Site Name: NEILL AIRCRAFT CO
Site Address: 1260 W 15TH ST
Site City: LONG BEACH
Site Zip: 90813
Enf Action Date: 05-23-2003
Enf Action Type: Notice of Violation
Enf Action Description: Notice of Violation
Enf Action Notes: NOV sent 5/23/03 for failure to respond to 3/5/03 Notice of Noncompliance & failure to file NOI for coverage under industrial stormwater permit or NNA, as appropriate.

Enf Action Division: Water Boards
Enf Action Program: INDSTW
Enf Action Source: SMARTS

Site ID: 411875
Site Name: NEILL AIRCRAFT CO
Site Address: 1260 W 15TH ST
Site City: LONG BEACH
Site Zip: 90813
Enf Action Date: 08-18-2003
Enf Action Type: Staff Enforcement Letter
Enf Action Description: Staff Enforcement Letter
Enf Action Notes: Staff enforcement letter sent 8/18/03 requiring facility to file NOI for coverage under industrial stormwater permit.

Enf Action Division: Water Boards
Enf Action Program: INDSTW
Enf Action Source: SMARTS

Coordinates:

Site ID: 411875
Facility Name: NEILL AIRCRAFT CO
Env Int Type Code: HMBP
Program ID: 10604092
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 33.785300
Longitude: -118.208630

Affiliation:

Affiliation Type Desc: Identification Signer

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NEILL AIRCRAFT CO (Continued)

S108751634

Entity Name: Eduardo Enriquez
Entity Title: Safety Coordinator
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Operator
Entity Name: Judy Carpenter
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (562) 432-7981

Affiliation Type Desc: Owner/Operator
Entity Name: Neill Aircraft Co
Entity Title: Operator
Affiliation Address: 1260 W 15th St
Affiliation City: Long Beach
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90813
Affiliation Phone: Not reported

Affiliation Type Desc: Document Preparer
Entity Name: Eduardo Enriquez
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner
Entity Name: Judy Carpenter
Entity Title: Not reported
Affiliation Address: 1260 W 15th St
Affiliation City: Long Beach
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 90813
Affiliation Phone: (562) 432-7981

Affiliation Type Desc: Parent Corporation
Entity Name: NEILL AIRCRAFT CO
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NEILL AIRCRAFT CO (Continued)

S108751634

Affiliation Phone: Not reported

Affiliation Type Desc: CUPA District
Entity Name: Long Beach Environmental Heath
Entity Title: Not reported
Affiliation Address: 2525 Grand Avenue
Affiliation City: Long Beach
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90815
Affiliation Phone: (562) 570-4131

Affiliation Type Desc: Environmental Contact
Entity Name: Eduardo Enriquez
Entity Title: Not reported
Affiliation Address: 1260 w. 15th st
Affiliation City: Long Beach
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90813
Affiliation Phone: Not reported

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 1260 w. 15th st
Affiliation City: Long Beach
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90813
Affiliation Phone: Not reported

Affiliation Type Desc: Property Owner
Entity Name: Neill Aircraft Company
Entity Title: Not reported
Affiliation Address: 1260 w. 15th st
Affiliation City: Long Beach
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 90813
Affiliation Phone: (562) 432-7981

AB153
NE
1/4-1/2
0.254 mi.
1342 ft.

ASSOCIATED BREWERS DIST. CO.
615 017TH ST W
LONG BEACH, CA 90813

Site 4 of 4 in cluster AB

CA LUST
CA HIST CORTESE
CA CERS

S102424693
N/A

Relative: LUST:
Lower Name: ASSOCIATED BREWERS DIST. CO.
Actual: Address: 615 017TH ST W
12 ft. City,State,Zip: LONG BEACH, CA 90813
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603701957
Global Id: T0603701957
Latitude: 33.7878936

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ASSOCIATED BREWERS DIST. CO. (Continued)

S102424693

Longitude: -118.1995662
Status: Completed - Case Closed
Status Date: 04/30/1999
Case Worker: DK
RB Case Number: 908130461
Local Agency: LONG BEACH, CITY OF
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Other Solvent or Non-Petroleum Hydrocarbon
Site History: Not reported

LUST:

Global Id: T0603701957
Contact Type: Local Agency Caseworker
Contact Name: CARMEN PIRO
Organization Name: LONG BEACH, CITY OF
Address: 2525 GRAND AVE.
City: LONG BEACH
Email: carmen.piro@longbeach.gov
Phone Number: 5625704137

Global Id: T0603701957
Contact Type: Regional Board Caseworker
Contact Name: DAVID KOO
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: Not reported
City: R4 UNKNOWN
Email: david.koo@waterboards.ca.gov
Phone Number: 2136206155

LUST:

Global Id: T0603701957
Action Type: Other
Date: 10/19/1989
Action: Leak Discovery

Global Id: T0603701957
Action Type: Other
Date: 10/19/1989
Action: Leak Stopped

Global Id: T0603701957
Action Type: Other
Date: 10/19/1989
Action: Leak Reported

LUST:

Global Id: T0603701957
Status: Open - Case Begin Date
Status Date: 10/19/1989

Global Id: T0603701957
Status: Open - Site Assessment
Status Date: 02/14/1990

Global Id: T0603701957

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ASSOCIATED BREWERS DIST. CO. (Continued)

S102424693

Status: Open - Site Assessment
Status Date: 11/20/1997

Global Id: T0603701957
Status: Completed - Case Closed
Status Date: 04/30/1999

LUST REG 4:

Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 908130461
Status: Case Closed
Substance: Hydrocarbons
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater
Abatement Method Used at the Site: Not reported
Global ID: T0603701957
W Global ID: Not reported
Staff: DK
Local Agency: 19060
Cross Street: MAGNOLIA AVE
Enforcement Type: Not reported
Date Leak Discovered: 10/19/1989
Date Leak First Reported: 10/19/1989
Date Leak Record Entered: 9/23/1996
Date Confirmation Began: Not reported
Date Leak Stopped: 10/19/1989
Date Case Last Changed on Database: 6/28/1999
Date the Case was Closed: 4/30/1999
How Leak Discovered: Subsurface Monitoring
How Leak Stopped: Not reported
Cause of Leak: Not reported
Leak Source: Not reported
Operator: Not reported
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 14440.216581973052396026143451
Source of Cleanup Funding: Not reported
Preliminary Site Assessment Workplan Submitted: 2/14/1990
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: 11/20/1997
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: 1/1/1965
Hist Max MTBE Conc in Groundwater: 25
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: ASSOCIATED BREWERS DIST. CO

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ASSOCIATED BREWERS DIST. CO. (Continued)

S102424693

RP Address: P.O. BOX 11238, MARINA DEL REY CA 90295
Program: LUST
Lat/Long: 33.7878936 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: 1C1
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: 05/01/97 - WORK PLAN FOR ADD'L SITE ASSESSMENT; 01/30/98 - STATUS RPT
FOR 4TH QTR 1997; 05/14/98 - STATUS RPT FOR 1ST QTR 1998 & REQUEST
FOR CLOSURE; 6/28/99 WELL DESTRUCTION

HIST CORTESE:

edr_fname: ASSOCIATED BREWERS DIST
edr_fadd1: 615 017TH
City,State,Zip: LONG BEACH, CA 90813
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 908130461

CERS:

Name: ASSOCIATED BREWERS DIST. CO.
Address: 615 017TH ST W
City,State,Zip: LONG BEACH, CA 90813
Site ID: 239314
CERS ID: T0603701957
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc: Local Agency Caseworker
Entity Name: CARMEN PIRO - LONG BEACH, CITY OF
Entity Title: Not reported
Affiliation Address: 2525 GRAND AVE.
Affiliation City: LONG BEACH
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 5625704137

Affiliation Type Desc: Regional Board Caseworker
Entity Name: DAVID KOO - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: R4 UNKNOWN
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 2136206155

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

154
NNE
1/4-1/2
0.255 mi.
1349 ft.

GOODWILL INDUSTRIES
800 PACIFIC COAST HWY W
LONG BEACH, CA 90806

CA LUST
CA HIST CORTESE
CA CERS

S101296782
N/A

Relative:
Lower

Actual:
12 ft.

LUST:

Name: GOODWILL INDUSTRIES
Address: 800 PACIFIC COAST HWY W
City,State,Zip: LONG BEACH, CA 90806
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603701839
Global Id: T0603701839
Latitude: 33.789501
Longitude: -118.202395
Status: Completed - Case Closed
Status Date: 05/07/1998
Case Worker: DK
RB Case Number: 908061070
Local Agency: LONG BEACH, CITY OF
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Diesel
Site History: Not reported

LUST:

Global Id: T0603701839
Contact Type: Local Agency Caseworker
Contact Name: CARMEN PIRO
Organization Name: LONG BEACH, CITY OF
Address: 2525 GRAND AVE.
City: LONG BEACH
Email: carmen.piro@longbeach.gov
Phone Number: 5625704137

Global Id: T0603701839
Contact Type: Regional Board Caseworker
Contact Name: DAVID KOO
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: Not reported
City: R4 UNKNOWN
Email: david.koo@waterboards.ca.gov
Phone Number: 2136206155

LUST:

Global Id: T0603701839
Action Type: ENFORCEMENT
Date: 11/07/1997
Action: * Historical Enforcement

Global Id: T0603701839
Action Type: Other
Date: 03/14/1991
Action: Leak Reported

LUST:

Global Id: T0603701839

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GOODWILL INDUSTRIES (Continued)

S101296782

Status: Open - Case Begin Date
Status Date: 03/14/1991

Global Id: T0603701839
Status: Open - Site Assessment
Status Date: 07/01/1997

Global Id: T0603701839
Status: Completed - Case Closed
Status Date: 05/07/1998

LUST REG 4:

Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 908061070
Status: Case Closed
Substance: Diesel
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater
Abatement Method Used at the Site: Not reported
Global ID: T0603701839
W Global ID: Not reported
Staff: DK
Local Agency: 19060
Cross Street: Not reported
Enforcement Type: EF
Date Leak Discovered: Not reported
Date Leak First Reported: 3/14/1991
Date Leak Record Entered: 3/8/1991
Date Confirmation Began: Not reported
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 7/7/1998
Date the Case was Closed: 5/7/1998
How Leak Discovered: Not reported
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Operator: OLD CASE #032091-01
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 14411.992807178336618138917721
Source of Cleanup Funding: UNK
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: 7/1/1997
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: 11/7/1997
Historical Max MTBE Date: 1/1/1965
Hist Max MTBE Conc in Groundwater: 16
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GOODWILL INDUSTRIES (Continued)

S101296782

Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: GOODWILL INDUSTRIES
RP Address: 800 W. PACIFIC COAST HIGHWAY, LONG BEACH, CA 90806
Program: LUST
Lat/Long: 33.7900976 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: 08/28/97 - GW MON RPT INVESTIGATION 12/02/97 -
QTRLY MON RPT 1997 04/28/98 - QTRLY MON
RPT 1998 07/07/98 - WELL ABANDONMENT

HIST CORTESE:

edr_fname: GOODWILL INDUSTRIES
edr_fadd1: 800 PACIFIC COAST
City,State,Zip: LONG BEACH, CA 90806
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 908061070

CERS:

Name: GOODWILL INDUSTRIES
Address: 800 PACIFIC COAST HWY W
City,State,Zip: LONG BEACH, CA 90806
Site ID: 253226
CERS ID: T0603701839
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc: Regional Board Caseworker
Entity Name: DAVID KOO - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: R4 UNKNOWN
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 2136206155

Affiliation Type Desc: Local Agency Caseworker
Entity Name: CARMEN PIRO - LONG BEACH, CITY OF
Entity Title: Not reported
Affiliation Address: 2525 GRAND AVE.
Affiliation City: LONG BEACH
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 5625704137

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

155
ENE
1/4-1/2
0.279 mi.
1471 ft.

DIAMOND U PRODUCTS, INC
1429 MAGNOLIA AVE
LONG BEACH, CA 90813

CA LUST
CA HIST CORTESE
CA CERS

S100273093
N/A

Relative:
Higher

Actual:
15 ft.

LUST:

Name: DIAMOND U PRODUCTS, INC
Address: 1429 MAGNOLIA AVE
City,State,Zip: LONG BEACH, CA 90813
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603700054
Global Id: T0603700054
Latitude: 33.7848846
Longitude: -118.1981751
Status: Completed - Case Closed
Status Date: 09/27/1996
Case Worker: YR
RB Case Number: 013191-01
Local Agency: LONG BEACH, CITY OF
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Other Solvent or Non-Petroleum Hydrocarbon
Site History: Not reported

LUST:

Global Id: T0603700054
Contact Type: Local Agency Caseworker
Contact Name: CARMEN PIRO
Organization Name: LONG BEACH, CITY OF
Address: 2525 GRAND AVE.
City: LONG BEACH
Email: carmen.piro@longbeach.gov
Phone Number: 5625704137

Global Id: T0603700054
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

LUST:

Global Id: T0603700054
Action Type: Other
Date: 01/18/1991
Action: Leak Reported

LUST:

Global Id: T0603700054
Status: Open - Case Begin Date
Status Date: 01/18/1991

Global Id: T0603700054
Status: Open - Site Assessment

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DIAMOND U PRODUCTS, INC (Continued)

S100273093

Status Date: 01/28/1991

Global Id: T0603700054
Status: Completed - Case Closed
Status Date: 09/27/1996

LUST REG 4:

Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 013191-01
Status: Case Closed
Substance: Hydrocarbons
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater
Abatement Method Used at the Site: Not reported
Global ID: T0603700054
W Global ID: Not reported
Staff: UNK
Local Agency: 19060
Cross Street: Not reported
Enforcement Type: Not reported
Date Leak Discovered: Not reported
Date Leak First Reported: 1/18/1991
Date Leak Record Entered: 1/31/1991
Date Confirmation Began: Not reported
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 12/17/1996
Date the Case was Closed: 9/27/1996
How Leak Discovered: Not reported
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Operator: Not reported
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 15008.338259757362819006984404
Source of Cleanup Funding: UNK
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: 1/28/1991
Pollution Characterization Began: Not reported
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: DIAMOND-U PRODUCTS, INC.
RP Address: 1429 MAGNOLIA AVE., LONG BEACH CA 90813

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DIAMOND U PRODUCTS, INC (Continued)

S100273093

Program: LUST
Lat/Long: 33.7848846 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: IF THIS IS A SOILS CASE, WHY GRNDWTR MONITORING?

HIST CORTESE:

edr_fname: DIAMOND U PRODUCTS, INC
edr_fadd1: 1429 MAGNOLIA
City,State,Zip: LONG BEACH, CA 90813
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 013191-01

CERS:

Name: DIAMOND U PRODUCTS, INC
Address: 1429 MAGNOLIA AVE
City,State,Zip: LONG BEACH, CA 90813
Site ID: 197845
CERS ID: T0603700054
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc: Local Agency Caseworker
Entity Name: CARMEN PIRO - LONG BEACH, CITY OF
Entity Title: Not reported
Affiliation Address: 2525 GRAND AVE.
Affiliation City: LONG BEACH
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 5625704137

Affiliation Type Desc: Regional Board Caseworker
Entity Name: YUE RONG - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: 320 W. 4TH ST., SUITE 200
Affiliation City: Los Angeles
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AC156
ESE
1/4-1/2
0.282 mi.
1489 ft.

HARBOR DIESEL & EQUIPMENT INC
0537 W ANAHEIM ST
LONG BEACH, CA
Site 1 of 2 in cluster AC

CA LUST
CA UST
CA HIST CORTESE
CA CERS

U003660140
N/A

Relative:
Higher

Actual:
26 ft.

LUST:

Name: HARBOR DIESEL & EQUIPMENT INC
Address: 537 ANAHEIM ST W
City,State,Zip: LONG BEACH, CA 90813
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603701927
Global Id: T0603701927
Latitude: 33.782925
Longitude: -118.198342
Status: Completed - Case Closed
Status Date: 11/23/1987
Case Worker: YR
RB Case Number: 908130125
Local Agency: LONG BEACH, CITY OF
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Diesel
Site History: Not reported

LUST:

Global Id: T0603701927
Contact Type: Local Agency Caseworker
Contact Name: CARMEN PIRO
Organization Name: LONG BEACH, CITY OF
Address: 2525 GRAND AVE.
City: LONG BEACH
Email: carmen.piro@longbeach.gov
Phone Number: 5625704137

Global Id: T0603701927
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

LUST:

Global Id: T0603701927
Action Type: Other
Date: 08/22/1986
Action: Leak Reported

LUST:

Global Id: T0603701927
Status: Open - Case Begin Date
Status Date: 08/22/1986

Global Id: T0603701927
Status: Completed - Case Closed

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HARBOR DIESEL & EQUIPMENT INC (Continued)

U003660140

Status Date: 11/23/1987

LUST REG 4:

Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facility Id:	908130125	
Status:	Case Closed	
Substance:	Diesel	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Soil	
Abatement Method Used at the Site:		CBCD
Global ID:	T0603701927	
W Global ID:	Not reported	
Staff:	UNK	
Local Agency:	19060	
Cross Street:	MAGNOLIA	
Enforcement Type:	Not reported	
Date Leak Discovered:	Not reported	
Date Leak First Reported:		8/22/1986
Date Leak Record Entered:	9/9/1987	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		3/18/1992
Date the Case was Closed:		11/23/1987
How Leak Discovered:	Not reported	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	UNK	
Operator:	Not reported	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		15686.001950599092725149006397
Source of Cleanup Funding:		UNK
Preliminary Site Assessment Workplan Submitted:	Not reported	
Preliminary Site Assessment Began:	Not reported	
Pollution Characterization Began:	Not reported	
Remediation Plan Submitted:	Not reported	
Remedial Action Underway:	Not reported	
Post Remedial Action Monitoring Began:	Not reported	
Enforcement Action Date:	Not reported	
Historical Max MTBE Date:	Not reported	
Hist Max MTBE Conc in Groundwater:	Not reported	
Hist Max MTBE Conc in Soil:	Not reported	
Significant Interim Remedial Action Taken:		Yes
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	HARBOR DIESEL & EQUIP, INC	
RP Address:	537 W ANAHEIM ST, LONG BEACH, CA 90813	
Program:	LUST	
Lat/Long:	33.7827157 / -1	
Local Agency Staff:	Not reported	
Beneficial Use:	Not reported	

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HARBOR DIESEL & EQUIPMENT INC (Continued)

U003660140

Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: SIGNED OFF ON 11/23/87

LONG BEACH UST:

DATA AS OF 02/25/2014:

Name: HARBOR DIESEL & EQUIPMENT INC
Address: 0537 W ANAHEIM ST
City,State,Zip: LONG BEACH, CA
Region: LONG BEACH
Tanks: 0T
Tank Test: Not reported
Leak Test: Not reported
Tank Status: Not reported

HIST CORTESE:

edr_fname: HARBOR DIESEL & EQUIPMENT
edr_fadd1: 537 ANAHEIM
City,State,Zip: LONG BEACH, CA 90813
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 908130125

CERS:

Name: HARBOR DIESEL & EQUIPMENT INC
Address: 537 ANAHEIM ST W
City,State,Zip: LONG BEACH, CA 90813
Site ID: 228809
CERS ID: T0603701927
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc: Regional Board Caseworker
Entity Name: YUE RONG - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: 320 W. 4TH ST., SUITE 200
Affiliation City: Los Angeles
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Local Agency Caseworker
Entity Name: CARMEN PIRO - LONG BEACH, CITY OF
Entity Title: Not reported
Affiliation Address: 2525 GRAND AVE.
Affiliation City: LONG BEACH
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 5625704137

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AC157
ESE
1/4-1/2
0.287 mi.
1513 ft.
SHELL #204-4482-7503
500 ANAHEIM ST.
LONG BEACH, CA 90813
Site 2 of 2 in cluster AC

CA LUST **S106916428**
CA CERS **N/A**

Relative:
Higher

Actual:
27 ft.

LUST:

Name: SHELL #204-4482-7503
Address: 500 ANAHEIM ST.
City,State,Zip: LONG BEACH, CA 90813
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603757536
Global Id: T0603757536
Latitude: 33.7823018981554
Longitude: -118.19829672575
Status: Completed - Case Closed
Status Date: 11/08/2019
Case Worker: DPP
RB Case Number: 908130689
Local Agency: LONG BEACH, CITY OF
File Location: Regional Board
Local Case Number: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:

Global Id: T0603757536
Contact Type: Local Agency Caseworker
Contact Name: CARMEN PIRO
Organization Name: LONG BEACH, CITY OF
Address: 2525 GRAND AVE.
City: LONG BEACH
Email: carmen.piro@longbeach.gov
Phone Number: 5625704137

Global Id: T0603757536
Contact Type: Regional Board Caseworker
Contact Name: DANIEL PIROTON
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: Not reported
City: R4 UNKNOWN
Email: dpirotton@waterboards.ca.gov
Phone Number: 2135766714

LUST:

Global Id: T0603757536
Action Type: RESPONSE
Date: 01/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603757536
Action Type: RESPONSE
Date: 01/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603757536
Action Type: RESPONSE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SHELL #204-4482-7503 (Continued)

S106916428

Date:	07/15/2008
Action:	Monitoring Report - Quarterly
Global Id:	T0603757536
Action Type:	RESPONSE
Date:	01/15/2009
Action:	Monitoring Report - Quarterly
Global Id:	T0603757536
Action Type:	RESPONSE
Date:	10/15/2008
Action:	Monitoring Report - Quarterly
Global Id:	T0603757536
Action Type:	RESPONSE
Date:	12/08/2008
Action:	Soil and Water Investigation Report
Global Id:	T0603757536
Action Type:	RESPONSE
Date:	04/15/2007
Action:	Monitoring Report - Quarterly
Global Id:	T0603757536
Action Type:	RESPONSE
Date:	04/15/2013
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603757536
Action Type:	RESPONSE
Date:	10/15/2013
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603757536
Action Type:	ENFORCEMENT
Date:	06/15/2009
Action:	Staff Letter
Global Id:	T0603757536
Action Type:	RESPONSE
Date:	10/15/2009
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603757536
Action Type:	RESPONSE
Date:	10/15/2007
Action:	Monitoring Report - Quarterly
Global Id:	T0603757536
Action Type:	RESPONSE
Date:	04/15/2008
Action:	Monitoring Report - Quarterly
Global Id:	T0603757536
Action Type:	RESPONSE
Date:	10/15/2014
Action:	Monitoring Report - Semi-Annually

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SHELL #204-4482-7503 (Continued)

S106916428

Global Id: T0603757536
Action Type: RESPONSE
Date: 04/15/2014
Action: Monitoring Report - Semi-Annually

Global Id: T0603757536
Action Type: ENFORCEMENT
Date: 11/08/2019
Action: Closure/No Further Action Letter

Global Id: T0603757536
Action Type: ENFORCEMENT
Date: 05/16/2019
Action: Notification - Preclosure

Global Id: T0603757536
Action Type: RESPONSE
Date: 04/15/2009
Action: Monitoring Report - Quarterly

Global Id: T0603757536
Action Type: RESPONSE
Date: 11/07/2006
Action: Soil and Water Investigation Report

Global Id: T0603757536
Action Type: RESPONSE
Date: 04/15/2010
Action: Monitoring Report - Semi-Annually

Global Id: T0603757536
Action Type: RESPONSE
Date: 02/27/2015
Action: Site Assessment Report

Global Id: T0603757536
Action Type: ENFORCEMENT
Date: 07/07/2005
Action: Staff Letter

Global Id: T0603757536
Action Type: ENFORCEMENT
Date: 08/07/2019
Action: Staff Letter

Global Id: T0603757536
Action Type: RESPONSE
Date: 07/15/2009
Action: Monitoring Report - Semi-Annually

Global Id: T0603757536
Action Type: RESPONSE
Date: 04/15/2015
Action: Monitoring Report - Semi-Annually

Global Id: T0603757536
Action Type: RESPONSE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SHELL #204-4482-7503 (Continued)

S106916428

Date:	12/06/2010
Action:	Site Assessment Report
Global Id:	T0603757536
Action Type:	RESPONSE
Date:	10/15/2015
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603757536
Action Type:	RESPONSE
Date:	04/15/2016
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603757536
Action Type:	RESPONSE
Date:	01/15/2019
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603757536
Action Type:	RESPONSE
Date:	07/16/2019
Action:	Other Report / Document
Global Id:	T0603757536
Action Type:	Other
Date:	05/30/2003
Action:	Leak Discovery
Global Id:	T0603757536
Action Type:	RESPONSE
Date:	08/15/2007
Action:	Soil and Water Investigation Workplan
Global Id:	T0603757536
Action Type:	RESPONSE
Date:	11/30/2011
Action:	Site Assessment Report
Global Id:	T0603757536
Action Type:	RESPONSE
Date:	10/15/2011
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603757536
Action Type:	RESPONSE
Date:	04/15/2019
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603757536
Action Type:	RESPONSE
Date:	11/15/2019
Action:	Well Destruction Report
Global Id:	T0603757536
Action Type:	RESPONSE
Date:	07/15/2016
Action:	Monitoring Report - Quarterly

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SHELL #204-4482-7503 (Continued)

S106916428

Global Id: T0603757536
Action Type: RESPONSE
Date: 02/24/2016
Action: Request for Closure - Regulator Responded

Global Id: T0603757536
Action Type: RESPONSE
Date: 10/30/2018
Action: Request for Closure - Regulator Responded

Global Id: T0603757536
Action Type: REMEDIATION
Date: 05/01/2003
Action: Excavation

Global Id: T0603757536
Action Type: RESPONSE
Date: 10/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603757536
Action Type: RESPONSE
Date: 08/30/2005
Action: Other Report / Document

Global Id: T0603757536
Action Type: RESPONSE
Date: 04/15/2011
Action: Monitoring Report - Semi-Annually

Global Id: T0603757536
Action Type: ENFORCEMENT
Date: 10/30/2018
Action: Health and Safety Code Section 25296.10(c)

Global Id: T0603757536
Action Type: Other
Date: 06/09/2005
Action: Leak Reported

Global Id: T0603757536
Action Type: RESPONSE
Date: 04/25/2006
Action: Soil and Water Investigation Workplan

Global Id: T0603757536
Action Type: RESPONSE
Date: 10/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603757536
Action Type: RESPONSE
Date: 10/15/2012
Action: Conceptual Site Model

Global Id: T0603757536
Action Type: RESPONSE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SHELL #204-4482-7503 (Continued)

S106916428

Date: 04/15/2012
Action: Monitoring Report - Semi-Annually

Global Id: T0603757536
Action Type: RESPONSE
Date: 10/15/2012
Action: Monitoring Report - Semi-Annually

LUST:

Global Id: T0603757536
Status: Open - Case Begin Date
Status Date: 05/30/2003

Global Id: T0603757536
Status: Open - Site Assessment
Status Date: 07/07/2005

Global Id: T0603757536
Status: Open - Site Assessment
Status Date: 04/25/2006

Global Id: T0603757536
Status: Open - Site Assessment
Status Date: 08/15/2007

Global Id: T0603757536
Status: Open - Eligible for Closure
Status Date: 06/09/2016

Global Id: T0603757536
Status: Completed - Case Closed
Status Date: 11/08/2019

CERS:

Name: SHELL #204-4482-7503
Address: 500 ANAHEIM ST.
City,State,Zip: LONG BEACH, CA 90813
Site ID: 194249
CERS ID: T0603757536
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc: Regional Board Caseworker
Entity Name: DANIEL PIROTON - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: R4 UNKNOWN
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 2135766714

Affiliation Type Desc: Local Agency Caseworker
Entity Name: CARMEN PIRO - LONG BEACH, CITY OF
Entity Title: Not reported
Affiliation Address: 2525 GRAND AVE.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SHELL #204-4482-7503 (Continued)

S106916428

Affiliation City: LONG BEACH
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 5625704137

AD158 **GEORGE MITCHEL**
WSW **1326 012TH ST W**
1/4-1/2 **LONG BEACH, CA 90813**
0.297 mi.
1569 ft. **Site 1 of 2 in cluster AD**

CA LUST **S101296838**
CA Cortese **N/A**
CA HIST CORTESE
CA CERS

Relative:
Lower
Actual:
10 ft.

LUST:
Name: HARRISON PROPERTY
Address: 1326 12TH ST W
City,State,Zip: LONG BEACH, CA 90813
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603701919
Global Id: T0603701919
Latitude: 33.7813218
Longitude: -118.2091835
Status: Open - Site Assessment
Status Date: 10/29/2007
Case Worker: DMB
RB Case Number: 908130043
Local Agency: LONG BEACH, CITY OF
File Location: Regional Board
Local Case Number: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T0603701919
Contact Type: Local Agency Caseworker
Contact Name: CARMEN PIRO
Organization Name: LONG BEACH, CITY OF
Address: 2525 GRAND AVE.
City: LONG BEACH
Email: carmen.piro@longbeach.gov
Phone Number: 5625704137

Global Id: T0603701919
Contact Type: Regional Board Caseworker
Contact Name: DAVID M. BJOSTAD
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4th Street, Suite 200
City: Los Angeles
Email: dave.bjostad@waterboards.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0603701919
Action Type: ENFORCEMENT
Date: 09/16/2008
Action: Notice to Comply

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GEORGE MITCHEL (Continued)

S101296838

Global Id: T0603701919
Action Type: ENFORCEMENT
Date: 03/29/2018
Action: Health and Safety Code Section 25296.10(c)

Global Id: T0603701919
Action Type: ENFORCEMENT
Date: 02/22/2019
Action: Health and Safety Code Section 25296.10(c)

Global Id: T0603701919
Action Type: ENFORCEMENT
Date: 06/13/2018
Action: Health and Safety Code Section 25296.10(c)

Global Id: T0603701919
Action Type: RESPONSE
Date: 10/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0603701919
Action Type: RESPONSE
Date: 04/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603701919
Action Type: RESPONSE
Date: 07/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603701919
Action Type: RESPONSE
Date: 10/15/2006
Action: Soil and Water Investigation Workplan

Global Id: T0603701919
Action Type: RESPONSE
Date: 09/15/2013
Action: Soil and Water Investigation Workplan

Global Id: T0603701919
Action Type: RESPONSE
Date: 09/15/2013
Action: Monitoring Report - Semi-Annually

Global Id: T0603701919
Action Type: ENFORCEMENT
Date: 07/16/2013
Action: Staff Letter

Global Id: T0603701919
Action Type: ENFORCEMENT
Date: 01/30/2019
Action: Letter - Notice

Global Id: T0603701919
Action Type: RESPONSE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GEORGE MITCHEL (Continued)

S101296838

Date:	07/15/2008
Action:	Interim Remedial Action Report
Global Id:	T0603701919
Action Type:	RESPONSE
Date:	07/10/2007
Action:	Request for Closure
Global Id:	T0603701919
Action Type:	RESPONSE
Date:	10/15/2007
Action:	Soil and Water Investigation Workplan
Global Id:	T0603701919
Action Type:	RESPONSE
Date:	01/15/2009
Action:	Soil and Water Investigation Report
Global Id:	T0603701919
Action Type:	RESPONSE
Date:	07/15/2007
Action:	Monitoring Report - Quarterly
Global Id:	T0603701919
Action Type:	RESPONSE
Date:	01/15/2009
Action:	Soil and Water Investigation Report
Global Id:	T0603701919
Action Type:	ENFORCEMENT
Date:	06/15/2009
Action:	Staff Letter
Global Id:	T0603701919
Action Type:	ENFORCEMENT
Date:	11/21/2014
Action:	Notice of Violation
Global Id:	T0603701919
Action Type:	ENFORCEMENT
Date:	12/08/2014
Action:	Health and Safety Code Section 25296.10(c)
Global Id:	T0603701919
Action Type:	ENFORCEMENT
Date:	12/22/2014
Action:	Meeting
Global Id:	T0603701919
Action Type:	ENFORCEMENT
Date:	01/15/2015
Action:	Site Visit / Inspection / Sampling
Global Id:	T0603701919
Action Type:	ENFORCEMENT
Date:	04/08/2019
Action:	Deadline Extension

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GEORGE MITCHEL (Continued)

S101296838

Global Id:	T0603701919
Action Type:	RESPONSE
Date:	01/15/2009
Action:	Soil and Water Investigation Report
Global Id:	T0603701919
Action Type:	RESPONSE
Date:	04/09/2015
Action:	Correspondence
Global Id:	T0603701919
Action Type:	ENFORCEMENT
Date:	12/17/2002
Action:	Staff Letter
Global Id:	T0603701919
Action Type:	ENFORCEMENT
Date:	06/24/2002
Action:	Staff Letter
Global Id:	T0603701919
Action Type:	ENFORCEMENT
Date:	09/13/2000
Action:	Staff Letter
Global Id:	T0603701919
Action Type:	ENFORCEMENT
Date:	09/24/2002
Action:	Staff Letter
Global Id:	T0603701919
Action Type:	ENFORCEMENT
Date:	07/29/2015
Action:	Health and Safety Code Section 25296.10(c)
Global Id:	T0603701919
Action Type:	ENFORCEMENT
Date:	03/18/2015
Action:	Health and Safety Code Section 25296.10(c)
Global Id:	T0603701919
Action Type:	ENFORCEMENT
Date:	06/18/2019
Action:	Email Correspondence
Global Id:	T0603701919
Action Type:	RESPONSE
Date:	07/15/2009
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603701919
Action Type:	ENFORCEMENT
Date:	12/04/2003
Action:	Staff Letter
Global Id:	T0603701919
Action Type:	ENFORCEMENT

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GEORGE MITCHEL (Continued)

S101296838

Date:	06/23/2003
Action:	Staff Letter
Global Id:	T0603701919
Action Type:	ENFORCEMENT
Date:	04/12/2004
Action:	Staff Letter
Global Id:	T0603701919
Action Type:	ENFORCEMENT
Date:	07/29/2015
Action:	Notice of Violation
Global Id:	T0603701919
Action Type:	ENFORCEMENT
Date:	03/26/2015
Action:	Health and Safety Code Section 25296.10(c)
Global Id:	T0603701919
Action Type:	ENFORCEMENT
Date:	10/01/2019
Action:	Health and Safety Code Section 25296.10(c)
Global Id:	T0603701919
Action Type:	ENFORCEMENT
Date:	12/02/2015
Action:	Clean Up Fund - Case Closure Review Summary Report (RSR)
Global Id:	T0603701919
Action Type:	RESPONSE
Date:	04/15/2003
Action:	Soil and Water Investigation Report
Global Id:	T0603701919
Action Type:	RESPONSE
Date:	07/31/2002
Action:	Other Report / Document
Global Id:	T0603701919
Action Type:	RESPONSE
Date:	09/17/2002
Action:	Tank Removal Report / UST Sampling Report
Global Id:	T0603701919
Action Type:	RESPONSE
Date:	12/01/2002
Action:	Soil and Water Investigation Workplan
Global Id:	T0603701919
Action Type:	RESPONSE
Date:	07/15/2014
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603701919
Action Type:	RESPONSE
Date:	11/15/2015
Action:	Site Assessment Report

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GEORGE MITCHEL (Continued)

S101296838

Global Id:	T0603701919
Action Type:	RESPONSE
Date:	04/30/2015
Action:	Other Report / Document
Global Id:	T0603701919
Action Type:	ENFORCEMENT
Date:	09/03/2015
Action:	Site Visit / Inspection / Sampling
Global Id:	T0603701919
Action Type:	ENFORCEMENT
Date:	10/21/2016
Action:	Health and Safety Code Section 25296.10(c)
Global Id:	T0603701919
Action Type:	ENFORCEMENT
Date:	12/22/2015
Action:	Health and Safety Code Section 25296.10(c)
Global Id:	T0603701919
Action Type:	Other
Date:	11/01/1984
Action:	Leak Discovery
Global Id:	T0603701919
Action Type:	RESPONSE
Date:	03/01/2004
Action:	Soil and Water Investigation Report
Global Id:	T0603701919
Action Type:	RESPONSE
Date:	06/30/2016
Action:	Well Installation Report
Global Id:	T0603701919
Action Type:	ENFORCEMENT
Date:	06/22/2006
Action:	Staff Letter
Global Id:	T0603701919
Action Type:	RESPONSE
Date:	07/15/2004
Action:	Soil and Water Investigation Report
Global Id:	T0603701919
Action Type:	RESPONSE
Date:	09/01/2003
Action:	Soil and Water Investigation Workplan
Global Id:	T0603701919
Action Type:	RESPONSE
Date:	12/01/2003
Action:	Soil and Water Investigation Workplan
Global Id:	T0603701919
Action Type:	RESPONSE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GEORGE MITCHEL (Continued)

S101296838

Date:	08/01/2018
Action:	Other Report / Document
Global Id:	T0603701919
Action Type:	RESPONSE
Date:	01/15/2019
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603701919
Action Type:	RESPONSE
Date:	01/15/2016
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603701919
Action Type:	RESPONSE
Date:	01/15/2016
Action:	Corrective Action Plan / Remedial Action Plan
Global Id:	T0603701919
Action Type:	RESPONSE
Date:	07/15/2016
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603701919
Action Type:	RESPONSE
Date:	09/05/2019
Action:	Other Report / Document
Global Id:	T0603701919
Action Type:	RESPONSE
Date:	01/15/2020
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603701919
Action Type:	RESPONSE
Date:	11/01/2018
Action:	Other Report / Document
Global Id:	T0603701919
Action Type:	RESPONSE
Date:	01/01/2019
Action:	Other Report / Document
Global Id:	T0603701919
Action Type:	RESPONSE
Date:	04/30/2019
Action:	Interim Remedial Action Plan
Global Id:	T0603701919
Action Type:	RESPONSE
Date:	01/15/2017
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603701919
Action Type:	RESPONSE
Date:	11/01/2019
Action:	Other Report / Document

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GEORGE MITCHEL (Continued)

S101296838

Global Id: T0603701919
Action Type: RESPONSE
Date: 01/15/2018
Action: Monitoring Report - Semi-Annually

Global Id: T0603701919
Action Type: RESPONSE
Date: 06/01/2019
Action: Other Report / Document

Global Id: T0603701919
Action Type: RESPONSE
Date: 07/15/2018
Action: Well Installation Report

Global Id: T0603701919
Action Type: RESPONSE
Date: 10/01/2018
Action: Other Report / Document

Global Id: T0603701919
Action Type: RESPONSE
Date: 04/01/2019
Action: Other Report / Document

Global Id: T0603701919
Action Type: RESPONSE
Date: 03/30/2017
Action: Well Installation Report

Global Id: T0603701919
Action Type: RESPONSE
Date: 12/01/2019
Action: Other Report / Document

Global Id: T0603701919
Action Type: RESPONSE
Date: 09/22/2016
Action: Correspondence

Global Id: T0603701919
Action Type: RESPONSE
Date: 10/30/2019
Action: Interim Remedial Action Plan

Global Id: T0603701919
Action Type: RESPONSE
Date: 07/15/2018
Action: Monitoring Report - Semi-Annually

Global Id: T0603701919
Action Type: RESPONSE
Date: 02/01/2019
Action: Other Report / Document

Global Id: T0603701919
Action Type: RESPONSE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GEORGE MITCHEL (Continued)

S101296838

Date:	06/30/2018
Action:	Other Report / Document
Global Id:	T0603701919
Action Type:	RESPONSE
Date:	09/01/2018
Action:	Other Report / Document
Global Id:	T0603701919
Action Type:	RESPONSE
Date:	07/01/2019
Action:	Other Report / Document
Global Id:	T0603701919
Action Type:	RESPONSE
Date:	07/15/2019
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603701919
Action Type:	RESPONSE
Date:	10/01/2019
Action:	Other Report / Document
Global Id:	T0603701919
Action Type:	RESPONSE
Date:	05/01/2019
Action:	Other Report / Document
Global Id:	T0603701919
Action Type:	ENFORCEMENT
Date:	12/15/2006
Action:	Staff Letter
Global Id:	T0603701919
Action Type:	ENFORCEMENT
Date:	12/14/2007
Action:	Staff Letter
Global Id:	T0603701919
Action Type:	ENFORCEMENT
Date:	08/14/2007
Action:	Staff Letter
Global Id:	T0603701919
Action Type:	ENFORCEMENT
Date:	01/12/2017
Action:	Health and Safety Code Section 25296.10(c)
Global Id:	T0603701919
Action Type:	ENFORCEMENT
Date:	03/17/2016
Action:	Email Correspondence
Global Id:	T0603701919
Action Type:	Other
Date:	11/01/1984
Action:	Leak Stopped

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GEORGE MITCHEL (Continued)

S101296838

Global Id:	T0603701919
Action Type:	RESPONSE
Date:	07/15/2017
Action:	Well Installation Report
Global Id:	T0603701919
Action Type:	RESPONSE
Date:	05/14/2019
Action:	Well Installation Report
Global Id:	T0603701919
Action Type:	RESPONSE
Date:	03/30/2017
Action:	Well Installation Report
Global Id:	T0603701919
Action Type:	RESPONSE
Date:	07/15/2018
Action:	Electronic Reporting Submittal Due
Global Id:	T0603701919
Action Type:	RESPONSE
Date:	12/01/2018
Action:	Other Report / Document
Global Id:	T0603701919
Action Type:	RESPONSE
Date:	10/30/2019
Action:	Electronic Reporting Submittal Due
Global Id:	T0603701919
Action Type:	RESPONSE
Date:	03/02/2017
Action:	Correspondence
Global Id:	T0603701919
Action Type:	RESPONSE
Date:	07/15/2017
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603701919
Action Type:	RESPONSE
Date:	03/01/2019
Action:	Other Report / Document
Global Id:	T0603701919
Action Type:	RESPONSE
Date:	11/01/2019
Action:	Other Report / Document
Global Id:	T0603701919
Action Type:	RESPONSE
Date:	04/30/2015
Action:	Soil and Water Investigation Workplan - Addendum - Regulator Responded
Global Id:	T0603701919
Action Type:	RESPONSE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GEORGE MITCHEL (Continued)

S101296838

Date: 12/22/2014
Action: Soil Vapor Intrusion Investigation Workplan - Regulator Responded

Global Id: T0603701919
Action Type: RESPONSE
Date: 01/29/2016
Action: Interim Remedial Action Plan - Regulator Responded

Global Id: T0603701919
Action Type: RESPONSE
Date: 01/15/2016
Action: Well Installation Workplan - Regulator Responded

Global Id: T0603701919
Action Type: RESPONSE
Date: 04/30/2018
Action: Well Installation Workplan - Regulator Responded

Global Id: T0603701919
Action Type: RESPONSE
Date: 03/27/2017
Action: Soil and Water Investigation Workplan - Addendum - Regulator Responded

Global Id: T0603701919
Action Type: RESPONSE
Date: 02/07/2018
Action: Well Installation Workplan - Regulator Responded

Global Id: T0603701919
Action Type: ENFORCEMENT
Date: 05/27/2008
Action: Staff Letter

Global Id: T0603701919
Action Type: ENFORCEMENT
Date: 12/04/2012
Action: Health and Safety Code Section 25296.10(c)

Global Id: T0603701919
Action Type: ENFORCEMENT
Date: 06/13/2016
Action: Health and Safety Code Section 25296.10(c)

Global Id: T0603701919
Action Type: ENFORCEMENT
Date: 02/01/2016
Action: Health and Safety Code Section 25296.10(c)

Global Id: T0603701919
Action Type: ENFORCEMENT
Date: 04/12/2017
Action: Health and Safety Code Section 25296.10(c)

Global Id: T0603701919
Action Type: RESPONSE
Date: 10/15/2007
Action: Soil and Water Investigation Report

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GEORGE MITCHEL (Continued)

S101296838

Global Id: T0603701919
Action Type: RESPONSE
Date: 11/07/2005
Action: Request for Closure

Global Id: T0603701919
Action Type: ENFORCEMENT
Date: 01/29/2008
Action: Staff Letter

Global Id: T0603701919
Action Type: ENFORCEMENT
Date: 10/08/2003
Action: Staff Letter

Global Id: T0603701919
Action Type: ENFORCEMENT
Date: 05/07/2004
Action: Site Visit / Inspection / Sampling

Global Id: T0603701919
Action Type: Other
Date: 11/01/1984
Action: Leak Reported

Global Id: T0603701919
Action Type: RESPONSE
Date: 10/15/2006
Action: Monitoring Report - Quarterly

LUST:

Global Id: T0603701919
Status: Open - Case Begin Date
Status Date: 11/01/1984

Global Id: T0603701919
Status: Open - Verification Monitoring
Status Date: 11/01/1984

Global Id: T0603701919
Status: Open - Site Assessment
Status Date: 07/09/1998

Global Id: T0603701919
Status: Open - Site Assessment
Status Date: 07/20/1999

Global Id: T0603701919
Status: Open - Site Assessment
Status Date: 02/08/2001

Global Id: T0603701919
Status: Open - Site Assessment
Status Date: 09/12/2003

Global Id: T0603701919
Status: Open - Site Assessment

Map ID
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GEORGE MITCHEL (Continued)

S101296838

Status Date: 11/05/2003

Global Id: T0603701919
Status: Open - Site Assessment
Status Date: 09/20/2006

Global Id: T0603701919
Status: Open - Site Assessment
Status Date: 10/29/2007

LUST REG 4:

Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 908130043
Status: Pollution Characterization
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: Not reported
Global ID: T0603701919
W Global ID: Not reported
Staff: HDN
Local Agency: 19060
Cross Street: Not reported
Enforcement Type: SI
Date Leak Discovered: 11/1/1984
Date Leak First Reported: 11/1/1984
Date Leak Record Entered: 12/31/1986
Date Confirmation Began: Not reported
Date Leak Stopped: 11/1/1984
Date Case Last Changed on Database: 10/30/2000
Date the Case was Closed: Not reported
How Leak Discovered: Not reported
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Operator: Not reported
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 18073.649492385043547355224766
Source of Cleanup Funding: UNK
Preliminary Site Assessment Workplan Submitted: 7/9/1998
Preliminary Site Assessment Began: 7/20/1999
Pollution Characterization Began: 11/5/2003
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: 11/1/1984
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Yes
GW Qualifier: Not reported
Soil Qualifier: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GEORGE MITCHEL (Continued)

S101296838

Organization: Not reported
Owner Contact: Not reported
Responsible Party: BRUCE HARRISON
RP Address: 1842 E. 29TH ST.
Program: LUST
Lat/Long: 33.7813218 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: INITIALLY ASSIGNED TO ANS. TWO GASOLINE TANKS REMOVED. MITCHELL REFUSES TO CONDUCT A SITE ASSESSMENT.; 2/26/99 SUBSURFACE SITE ASSESSMENT SOIL & GW SAMPLING

CORTESE:

Name: HARRISON PROPERTY
Address: 1326 12TH ST W
City,State,Zip: LONG BEACH, CA 90813
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0603701919
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: OPEN - SITE ASSESSMENT
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

HIST CORTESE:

edr_fname: GEROGE MITCHEL
edr_fadd1: 1326 012TH
City,State,Zip: LONG BEACH, CA 90813
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 908130043

CERS:

Name: HARRISON PROPERTY
Address: 1326 12TH ST W
City,State,Zip: LONG BEACH, CA 90813
Site ID: 211674

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GEORGE MITCHEL (Continued)

S101296838

CERS ID: T0603701919
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc: Local Agency Caseworker
Entity Name: CARMEN PIRO - LONG BEACH, CITY OF
Entity Title: Not reported
Affiliation Address: 2525 GRAND AVE.
Affiliation City: LONG BEACH
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 5625704137

Affiliation Type Desc: Regional Board Caseworker
Entity Name: DAVID M. BJOSTAD - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: 320 W. 4th Street, Suite 200
Affiliation City: Los Angeles
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

AE159
NW
1/4-1/2
0.299 mi.
1579 ft.
ORGANIC COMPOUNDS INC
1265 W 16TH ST
LONG BEACH, CA 90813
Site 1 of 4 in cluster AE

SEMS-ARCHIVE **1003878280**
CAD008365041

Relative:
Lower
Actual:
11 ft.

SEMS Archive:
Site ID: 0901085
EPA ID: CAD008365041
Name: ORGANIC COMPOUNDS INC
Address: 1265 W 16TH ST
Address 2: Not reported
City,State,Zip: LONG BEACH, CA 90813
Cong District: 32
FIPS Code: 06037
FF: N
NPL: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

SEMS Archive Detail:

Region: 09
Site ID: 0901085
EPA ID: CAD008365041
Site Name: ORGANIC COMPOUNDS INC
NPL: N
FF: N
OU: 00
Action Code: VS
Action Name: ARCH SITE
SEQ: 1
Start Date: Not reported
Finish Date: 1986-06-01 04:00:00
Qual: Not reported
Current Action Lead: EPA Perf In-Hse

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ORGANIC COMPOUNDS INC (Continued)

1003878280

Region: 09
Site ID: 0901085
EPA ID: CAD008365041
Site Name: ORGANIC COMPOUNDS INC
NPL: N
FF: N
OU: 00
Action Code: PA
Action Name: PA
SEQ: 1
Start Date: 1985-09-01 05:00:00
Finish Date: 1986-06-01 04:00:00
Qual: N
Current Action Lead: St Perf

Region: 09
Site ID: 0901085
EPA ID: CAD008365041
Site Name: ORGANIC COMPOUNDS INC
NPL: N
FF: N
OU: 00
Action Code: DS
Action Name: DISCVRY
SEQ: 1
Start Date: 1985-11-01 06:00:00
Finish Date: 1985-11-01 06:00:00
Qual: Not reported
Current Action Lead: St Perf

160
North
1/4-1/2
0.302 mi.
1594 ft.

CALTRANS - HIGHWAY 103
2100 PACIFIC COAST
LONG BEACH, CA 90804

CA CPS-SLIC
CA CERS
S104404907
N/A

Relative:
Higher

Actual:
13 ft.

CPS-SLIC:
Name: DEPT OF TRANSPORTATION DISTRICT 7 PROJECT DEV B
Address: 2100 PACIFIC COAST HWY
City,State,Zip: LONG BEACH, CA
Region: STATE
Facility Status: Completed - Case Closed
Status Date: 12/19/2003
Global Id: SL2048R1707
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number: Not reported
Latitude: 33.790242
Longitude: -118.203101
Case Type: Cleanup Program Site
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: 0894
File Location: Not reported
Potential Media Affected: Not reported
Potential Contaminants of Concern: Not reported
Site History: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CALTRANS - HIGHWAY 103 (Continued)

S104404907

[Click here to access the California GeoTracker records for this facility:](#)

SLIC REG 4:

Region: 4
Facility Status: No further action required
SLIC: 0894
Substance: TPH/VOCs/SVOCs
Staff: SSH

CERS:

Name: DEPT OF TRANSPORTATION DISTRICT 7 PROJECT DEV B
Address: 2100 PACIFIC COAST HWY
City,State,Zip: LONG BEACH, CA
Site ID: 240944
CERS ID: SL2048R1707
CERS Description: Cleanup Program Site

**161
NNE
1/4-1/2
0.315 mi.
1663 ft.**

**LA MIRAGE INN
701 PACIFIC COAST HWY W
LONG BEACH, CA 90806**

**CA LUST
CA HIST CORTESE
CA CERS**

**S101296781
N/A**

**Relative:
Lower
Actual:
12 ft.**

LUST:

Name: LA MIRAGE INN
Address: 701 PACIFIC COAST HWY W
City,State,Zip: LONG BEACH, CA 90806
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603701827
Global Id: T0603701827
Latitude: 33.790113
Longitude: -118.200917
Status: Completed - Case Closed
Status Date: 08/28/1997
Case Worker: JH
RB Case Number: 908060089
Local Agency: LONG BEACH, CITY OF
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:

Global Id: T0603701827
Contact Type: Local Agency Caseworker
Contact Name: CARMEN PIRO
Organization Name: LONG BEACH, CITY OF
Address: 2525 GRAND AVE.
City: LONG BEACH
Email: carmen.piro@longbeach.gov
Phone Number: 5625704137

Global Id: T0603701827
Contact Type: Regional Board Caseworker

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LA MIRAGE INN (Continued)

S101296781

Contact Name: JAY HUANG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 WEST 4TH STREET, SUITE 200
City: LOS ANGELES
Email: jhuang@waterboards.ca.gov
Phone Number: 2135766711

LUST:

Global Id: T0603701827
Action Type: Other
Date: 03/03/1988
Action: Leak Discovery

Global Id: T0603701827
Action Type: Other
Date: 06/07/1988
Action: Leak Reported

LUST:

Global Id: T0603701827
Status: Open - Case Begin Date
Status Date: 03/03/1988

Global Id: T0603701827
Status: Open - Site Assessment
Status Date: 02/16/1989

Global Id: T0603701827
Status: Open - Remediation
Status Date: 03/02/1990

Global Id: T0603701827
Status: Open - Verification Monitoring
Status Date: 04/04/1997

Global Id: T0603701827
Status: Completed - Case Closed
Status Date: 08/28/1997

LUST REG 4:

Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 908060089
Status: Case Closed
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater
Abatement Method Used at the Site: ETGT
Global ID: T0603701827
W Global ID: Not reported
Staff: JH
Local Agency: 19060
Cross Street: MAINE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LA MIRAGE INN (Continued)

S101296781

Enforcement Type:	Not reported	
Date Leak Discovered:	3/3/1988	
Date Leak First Reported:		6/7/1988
Date Leak Record Entered:	6/10/1988	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		9/30/1997
Date the Case was Closed:		8/28/1997
How Leak Discovered:	Not reported	
How Leak Stopped:	Not reported	
Cause of Leak:	Not reported	
Leak Source:	Not reported	
Operator:	Not reported	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		14065.683321647770475773190073
Source of Cleanup Funding:		Not reported
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		2/16/1989
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		3/2/1990
Post Remedial Action Monitoring Began:		4/4/1997
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		1/1/1965
Hist Max MTBE Conc in Groundwater:		8
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Yes
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	BLANK RP	
RP Address:	12841 WASHINGTON BLVD., LOS ANGELES, CA 90066	
Program:	LUST	
Lat/Long:	33.7901276 / -1	
Local Agency Staff:	Not reported	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	
Assigned Name:	Not reported	
Summary:	TANKS REMOVED GROUND WATER UNDER ENTIRE SITE CONTAMINATED. OFFSITE ASSESSMENT APPROVED. 6/25/97 QTR GW MON RPT (2ND QTR 97)	

HIST CORTESE:

edr_fname:	LA MIRAGE INN
edr_fadd1:	701 PACIFIC COAST
City,State,Zip:	LONG BEACH, CA 90262
Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	908060089

CERS:

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LA MIRAGE INN (Continued)

S101296781

Name: LA MIRAGE INN
Address: 701 PACIFIC COAST HWY W
City,State,Zip: LONG BEACH, CA 90806
Site ID: 258143
CERS ID: T0603701827
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc: Local Agency Caseworker
Entity Name: CARMEN PIRO - LONG BEACH, CITY OF
Entity Title: Not reported
Affiliation Address: 2525 GRAND AVE.
Affiliation City: LONG BEACH
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 5625704137

Affiliation Type Desc: Regional Board Caseworker
Entity Name: JAY HUANG - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: 320 WEST 4TH STREET, SUITE 200
Affiliation City: LOS ANGELES
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 2135766711

AE162 ACME OIL CO (MCMULLEN OIL
NW 1305 016TH
1/4-1/2 LONG BEACH, CA 90813
0.318 mi.
1679 ft. Site 2 of 4 in cluster AE

CA HIST CORTESE S104159966
N/A

Relative: HIST CORTESE:
Lower edr_fname: ACME OIL CO (MCMULLEN OIL
edr_fadd1: 1305 016TH
Actual: City,State,Zip: LONG BEACH, CA 90813
12 ft. Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 908130189

163 GAS STATION
ESE 490 ANAHEIM ST W
1/4-1/2 LONG BEACH, CA 90813
0.321 mi.
1693 ft.

CA LUST S116680376
CA Cortese N/A
CA CERS

Relative: LUST:
Higher Name: GAS STATION
Address: 490 ANAHEIM ST W
City,State,Zip: LONG BEACH, CA 90813
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Type: LUST Cleanup Site
Actual: Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T10000005954
29 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GAS STATION (Continued)

S116680376

Global Id: T10000005954
Latitude: 33.7822477
Longitude: -118.1977054
Status: Open - Site Assessment
Status Date: 06/03/2016
Case Worker: DPP
RB Case Number: 908130698
Local Agency: Not reported
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Not reported
Potential Contaminants of Concern: Not reported
Site History: Not reported

LUST:

Global Id: T10000005954
Contact Type: Regional Board Caseworker
Contact Name: DANIEL PIROTTON
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: Not reported
City: R4 UNKNOWN
Email: dpirotton@waterboards.ca.gov
Phone Number: 2135766714

LUST:

Global Id: T10000005954
Action Type: ENFORCEMENT
Date: 02/20/2019
Action: Health and Safety Code Section 25296.10(c)

Global Id: T10000005954
Action Type: ENFORCEMENT
Date: 09/05/2018
Action: Clean Up Fund - Case Closure Review Summary Report (RSR)

Global Id: T10000005954
Action Type: ENFORCEMENT
Date: 08/05/2014
Action: Staff Letter

Global Id: T10000005954
Action Type: ENFORCEMENT
Date: 10/30/2018
Action: Health and Safety Code Section 25296.10(c)

Global Id: T10000005954
Action Type: ENFORCEMENT
Date: 05/31/2019
Action: Health and Safety Code Section 25296.10(c)

Global Id: T10000005954
Action Type: ENFORCEMENT
Date: 09/30/2019
Action: Health and Safety Code Section 25296.10(c)

Global Id: T10000005954
Action Type: ENFORCEMENT

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GAS STATION (Continued)

S116680376

Date:	10/18/2019
Action:	Health and Safety Code Section 25296.10(c)
Global Id:	T10000005954
Action Type:	ENFORCEMENT
Date:	06/19/2019
Action:	Health and Safety Code Section 25296.10(c)
Global Id:	T10000005954
Action Type:	RESPONSE
Date:	09/15/2014
Action:	Other Report / Document
Global Id:	T10000005954
Action Type:	ENFORCEMENT
Date:	10/17/2016
Action:	Health and Safety Code Section 25296.10(c)
Global Id:	T10000005954
Action Type:	RESPONSE
Date:	10/28/2014
Action:	Tank Removal Report / UST Sampling Report
Global Id:	T10000005954
Action Type:	ENFORCEMENT
Date:	05/18/2017
Action:	Health and Safety Code Section 25296.10(c)
Global Id:	T10000005954
Action Type:	RESPONSE
Date:	01/15/2019
Action:	Monitoring Report - Semi-Annually
Global Id:	T10000005954
Action Type:	RESPONSE
Date:	12/15/2017
Action:	Soil and Water Investigation Report
Global Id:	T10000005954
Action Type:	RESPONSE
Date:	08/27/2019
Action:	Corrective Action Plan / Remedial Action Plan - Addendum
Global Id:	T10000005954
Action Type:	RESPONSE
Date:	01/15/2020
Action:	Monitoring Report - Semi-Annually
Global Id:	T10000005954
Action Type:	RESPONSE
Date:	07/15/2019
Action:	Monitoring Report - Semi-Annually
Global Id:	T10000005954
Action Type:	RESPONSE
Date:	07/31/2019
Action:	Corrective Action Plan / Remedial Action Plan

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GAS STATION (Continued)

S116680376

Global Id:	T10000005954
Action Type:	RESPONSE
Date:	05/30/2019
Action:	Soil and Water Investigation Report
Global Id:	T10000005954
Action Type:	RESPONSE
Date:	01/15/2020
Action:	Pilot Study/ Treatability Report
Global Id:	T10000005954
Action Type:	RESPONSE
Date:	12/15/2017
Action:	Monitoring Report - Semi-Annually
Global Id:	T10000005954
Action Type:	RESPONSE
Date:	08/15/2017
Action:	Monitoring Report - Semi-Annually
Global Id:	T10000005954
Action Type:	ENFORCEMENT
Date:	06/03/2016
Action:	Health and Safety Code Section 25296.10(c)
Global Id:	T10000005954
Action Type:	ENFORCEMENT
Date:	07/13/2016
Action:	Health and Safety Code Section 25296.10(c)
Global Id:	T10000005954
Action Type:	RESPONSE
Date:	08/15/2017
Action:	Soil and Water Investigation Report
Global Id:	T10000005954
Action Type:	RESPONSE
Date:	08/31/2019
Action:	Well Installation Report
Global Id:	T10000005954
Action Type:	RESPONSE
Date:	01/15/2020
Action:	Well Installation Report
Global Id:	T10000005954
Action Type:	RESPONSE
Date:	08/15/2016
Action:	Soil and Water Investigation Workplan - Regulator Responded
Global Id:	T10000005954
Action Type:	RESPONSE
Date:	07/31/2019
Action:	Soil and Water Investigation Workplan - Regulator Responded
Global Id:	T10000005954
Action Type:	RESPONSE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GAS STATION (Continued)

S116680376

Date: 11/15/2018
Action: Soil and Water Investigation Workplan - Regulator Responded

Global Id: T10000005954
Action Type: RESPONSE
Date: 11/30/2016
Action: Soil and Water Investigation Workplan - Addendum - Regulator Responded

Global Id: T10000005954
Action Type: RESPONSE
Date: 03/31/2017
Action: Soil and Water Investigation Report - Regulator Responded

Global Id: T10000005954
Action Type: ENFORCEMENT
Date: 01/09/2017
Action: Health and Safety Code Section 25296.10(c)

Global Id: T10000005954
Action Type: ENFORCEMENT
Date: 09/19/2017
Action: Health and Safety Code Section 25296.10(c)

LUST:

Global Id: T10000005954
Status: Open - Case Begin Date
Status Date: 06/02/2014

Global Id: T10000005954
Status: Open - Site Assessment
Status Date: 06/02/2014

Global Id: T10000005954
Status: Open - Site Assessment
Status Date: 06/03/2016

CORTESE:

Name: GAS STATION
Address: 490 ANAHEIM ST W
City,State,Zip: LONG BEACH, CA 90813
Region: CORTESE
Envirostor Id: Not reported
Global ID: T10000005954
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: OPEN - SITE ASSESSMENT
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GAS STATION (Continued)

S116680376

Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Unit Name: Not reported
File Name: Active Open

CERS:

Name: GAS STATION
Address: 490 ANAHEIM ST W
City,State,Zip: LONG BEACH, CA 90813
Site ID: 234664
CERS ID: T10000005954
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc: Regional Board Caseworker
Entity Name: DANIEL PIROTON - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: R4 UNKNOWN
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 2135766714

AE164
NW
1/4-1/2
0.323 mi.
1706 ft.
MCMULLEN OIL CO.
1651 FASHION AVE.
LONG BEACH, CA 90813
Site 3 of 4 in cluster AE

CA LUST
CA CERS
S109284086
N/A

Relative:
Lower

LUST:

Actual:
12 ft.

Name: MCMULLEN OIL CO.
Address: 1651 FASHION AVE.
City,State,Zip: LONG BEACH, CA 90813
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603701931
Global Id: T0603701931
Latitude: 33.7873227
Longitude: -118.2088426
Status: Completed - Case Closed
Status Date: 08/06/2004
Case Worker: NB
RB Case Number: 908130189
Local Agency: LONG BEACH, CITY OF
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:

Global Id: T0603701931
Contact Type: Local Agency Caseworker
Contact Name: CARMEN PIRO

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MCMULLEN OIL CO. (Continued)

S109284086

Organization Name: LONG BEACH, CITY OF
Address: 2525 GRAND AVE.
City: LONG BEACH
Email: carmen.piro@longbeach.gov
Phone Number: 5625704137

Global Id: T0603701931
Contact Type: Regional Board Caseworker
Contact Name: NHAN BAO
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 WEST 4TH STREET, SUITE 200
City: LOS ANGELES
Email: nbao@waterboards.ca.gov
Phone Number: 2135766703

LUST:

Global Id: T0603701931
Action Type: ENFORCEMENT
Date: 09/29/2000
Action: 13267 Requirement

Global Id: T0603701931
Action Type: RESPONSE
Date: 10/15/2003
Action: Monitoring Report - Quarterly

Global Id: T0603701931
Action Type: RESPONSE
Date: 04/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0603701931
Action Type: RESPONSE
Date: 05/15/2002
Action: Preliminary Site Assessment Workplan

Global Id: T0603701931
Action Type: ENFORCEMENT
Date: 04/02/2004
Action: Staff Letter

Global Id: T0603701931
Action Type: RESPONSE
Date: 12/02/2002
Action: Preliminary Site Assessment Report

Global Id: T0603701931
Action Type: RESPONSE
Date: 04/15/2003
Action: Monitoring Report - Quarterly

Global Id: T0603701931
Action Type: ENFORCEMENT
Date: 08/06/2004
Action: Site Visit / Inspection / Sampling

Global Id: T0603701931

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MCMULLEN OIL CO. (Continued)

S109284086

Action Type: ENFORCEMENT
Date: 08/06/2004
Action: Closure/No Further Action Letter

Global Id: T0603701931
Action Type: RESPONSE
Date: 07/15/2003
Action: Monitoring Report - Quarterly

Global Id: T0603701931
Action Type: RESPONSE
Date: 07/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0603701931
Action Type: RESPONSE
Date: 01/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0603701931
Action Type: REMEDIATION
Date: 04/17/1998
Action: Excavation

Global Id: T0603701931
Action Type: ENFORCEMENT
Date: 09/04/2002
Action: Staff Letter

Global Id: T0603701931
Action Type: Other
Date: 04/26/1985
Action: Leak Reported

LUST:
Global Id: T0603701931
Status: Open - Case Begin Date
Status Date: 04/26/1985

Global Id: T0603701931
Status: Open - Site Assessment
Status Date: 04/18/2002

Global Id: T0603701931
Status: Open - Site Assessment
Status Date: 02/27/2004

Global Id: T0603701931
Status: Completed - Case Closed
Status Date: 08/06/2004

CERS:
Name: MCMULLEN OIL CO.
Address: 1651 FASHION AVE.
City,State,Zip: LONG BEACH, CA 90813

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MCMULLEN OIL CO. (Continued)

S109284086

Site ID: 250251
CERS ID: T0603701931
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc: Local Agency Caseworker
Entity Name: CARMEN PIRO - LONG BEACH, CITY OF
Entity Title: Not reported
Affiliation Address: 2525 GRAND AVE.
Affiliation City: LONG BEACH
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 5625704137

Affiliation Type Desc: Regional Board Caseworker
Entity Name: NHAN BAO - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: 320 WEST 4TH STREET, SUITE 200
Affiliation City: LOS ANGELES
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 2135766703

AE165
NW
1/4-1/2
0.323 mi.
1706 ft.
ACME OIL CO (MCMULLEN OIL)
1651 FASHION AVE.
LONG BEACH, CA 90813
Site 4 of 4 in cluster AE

CA LUST **S105692352**
N/A

Relative:
Lower

Actual:
12 ft.

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 908130189
Status: Preliminary site assessment underway
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater
Abatement Method Used at the Site: Not reported
Global ID: T0603701931
W Global ID: Not reported
Staff: HSP
Local Agency: 19060
Cross Street: PCH
Enforcement Type: DLSEL
Date Leak Discovered: Not reported
Date Leak First Reported: 4/26/1985
Date Leak Record Entered: 6/17/1988
Date Confirmation Began: Not reported
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 7/9/2002
Date the Case was Closed: Not reported
How Leak Discovered: Not reported
How Leak Stopped: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ACME OIL CO (MCMULLEN OIL) (Continued)

S105692352

Cause of Leak: Not reported
Leak Source: Not reported
Operator: Not reported
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 16162.194814768244664684985167
Source of Cleanup Funding: Not reported
Preliminary Site Assessment Workplan Submitted: 7/18/2002
Preliminary Site Assessment Began: 2/27/2004
Pollution Characterization Began: 4/10/1985
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: 9/29/2000
Historical Max MTBE Date: 5/4/2004
Hist Max MTBE Conc in Groundwater: 374
Hist Max MTBE Conc in Soil: 0
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: =
Soil Qualifier: ND
Organization: Not reported
Owner Contact: Not reported
Responsible Party: MR. EDWARD REYNOLDS
RP Address: PO BOX 3149
Program: LUST
Lat/Long: 33.7873227 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: Not reported

AD166
WSW
1/4-1/2
0.332 mi.
1752 ft.
GOODYEAR
1350 12TH
LONG BEACH, CA 90813
Site 2 of 2 in cluster AD

CA HIST CORTESE
S105024546
N/A

Relative: HIST CORTESE:
Lower edr_fname: GOODYEAR
edr_fadd1: 1350 12TH
Actual: City,State,Zip: LONG BEACH, CA 90813
9 ft. Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 2471

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

AF167
South
1/4-1/2
0.333 mi.
1758 ft.
BULK TERMINAL
960 DE FOREST AVE
LONG BEACH, CA 90813
Site 1 of 3 in cluster AF

CA LUST
CA CPS-SLIC
CA HIST CORTESE
CA CERS

S101296712
N/A

Relative:
Higher
Actual:
15 ft.

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 908130061
Status: Pollution Characterization
Substance: Solvents
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater
Abatement Method Used at the Site: Not reported
Global ID: T0603701921
W Global ID: Not reported
Staff: SLIC
Local Agency: 19060
Cross Street: Not reported
Enforcement Type: Not reported
Date Leak Discovered: Not reported
Date Leak First Reported: 10/31/1984
Date Leak Record Entered: 12/31/1986
Date Confirmation Began: Not reported
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 3/26/2001
Date the Case was Closed: Not reported
How Leak Discovered: Not reported
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Operator: Not reported
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 17849.961892403501719824659725
Source of Cleanup Funding: UNK
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: 3/31/1988
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: BLANK RP
RP Address: Not reported
Program: SLIC
Lat/Long: 33.7789638 / -1
Local Agency Staff: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BULK TERMINAL (Continued)

S101296712

Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: ON MONITORING PROGRAM. REFER TO SLIC #681

CPS-SLIC:

Name: UPRC BULK TERMINAL (FORMER)
Address: 960 DE FOREST AVENUE
City,State,Zip: LONG BEACH, CA 90813-2851
Region: STATE
Facility Status: Open - Site Assessment
Status Date: 02/28/2016
Global Id: SL2048H2365
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number: Not reported
Latitude: 33.779816
Longitude: -118.20249
Case Type: Cleanup Program Site
Case Worker: MPG
Local Agency: Not reported
RB Case Number: 0681
File Location: Regional Board
Potential Media Affected: Aquifer used for drinking water supply, Soil
Potential Contaminants of Concern: Benzene, Other Chlorinated Hydrocarbons, Toluene, Xylene, Arsenic, Lead, Polynuclear aromatic hydrocarbons (PAHs)
Site History: Prior to 1965, the site was owned and operated by Pacific Electric Railroad Company and used for electric railroad repair, maintenance, and inspection. Southern Pacific Transportation Company acquired the site in 1965 and leased it to various entities, whose primary operations were bulk transfer and storage of liquid petroleum and chemical products. Union Pacific Railroad Company (UPRR) acquired the site in 1966, in a merger of Southern Pacific Transportation Company. Subsequently, the City of Long Beach acquired the Site from the UPRR in May 2007. On-going soil remediation.

[Click here to access the California GeoTracker records for this facility:](#)

SLIC REG 4:

Region: 4
Facility Status: Site Assessment
SLIC: 0681
Substance: VOCs
Staff: AH

HIST CORTESE:

edr_fname: BULK TERMINAL
edr_fadd1: 960 DE FOREST
City,State,Zip: LONG BEACH, CA 90813
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 908130061

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BULK TERMINAL (Continued)

S101296712

CERS:

Name: UPRC BULK TERMINAL (FORMER)
Address: 960 DE FOREST AVENUE
City,State,Zip: LONG BEACH, CA 90813-2851
Site ID: 194333
CERS ID: SL2048H2365
CERS Description: Cleanup Program Site

Affiliation:

Affiliation Type Desc: Regional Board Caseworker
Entity Name: MONAL GAJJAR - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: 320 W 4th Street
Affiliation City: LOS ANGELES
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 2135766745

AF168
South
1/4-1/2
0.333 mi.
1758 ft.

CHARTER INTL OIL TRANS & TERM
960 DEFOREST AVE
LONG BEACH, CA 90813

SEMS-ARCHIVE 1000369992
RCRA NonGen / NLR CAD075274928

Site 2 of 3 in cluster AF

Relative:
Higher
Actual:
15 ft.

SEMS Archive:

Site ID: 0901579
EPA ID: CAD075274928
Name: CHARTER INTL OIL TRANS & TERM
Address: 960 DEFOREST AVE
Address 2: Not reported
City,State,Zip: LONG BEACH, CA 90813
Cong District: 32
FIPS Code: 06037
FF: N
NPL: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

SEMS Archive Detail:

Region: 09
Site ID: 0901579
EPA ID: CAD075274928
Site Name: CHARTER INTL OIL TRANS & TERM
NPL: N
FF: N
OU: 00
Action Code: VS
Action Name: ARCH SITE
SEQ: 1
Start Date: Not reported
Finish Date: 1987-10-01 04:00:00
Qual: Not reported
Current Action Lead: EPA Perf In-Hse

Region: 09
Site ID: 0901579
EPA ID: CAD075274928

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHARTER INTL OIL TRANS & TERM (Continued)

1000369992

Site Name: CHARTER INTL OIL TRANS & TERM
NPL: N
FF: N
OU: 00
Action Code: PA
Action Name: PA
SEQ: 1
Start Date: Not reported
Finish Date: 1987-10-01 04:00:00
Qual: N
Current Action Lead: EPA Perf

Region: 09
Site ID: 0901579
EPA ID: CAD075274928
Site Name: CHARTER INTL OIL TRANS & TERM
NPL: N
FF: N
OU: 00
Action Code: DS
Action Name: DISCVRY
SEQ: 1
Start Date: 1985-03-01 06:00:00
Finish Date: 1985-03-01 06:00:00
Qual: Not reported
Current Action Lead: EPA Perf

RCRA NonGen / NLR:

Date form received by agency: 2008-08-05 00:00:00.0
Facility name: UNION PACIFIC RAILROAD
Site name: 960 DEFOREST AVENUE LONG BEACH SITE
Facility address: 960 DEFOREST AVENUE
LONG BEACH, CA 90813
EPA ID: CAD075274928
Mailing address: 10031 FOOTHILLS BLVD
ROSEVILLE, CA 95747
Contact: JAMES E DIEL
Contact address: Not reported
Not reported
Contact country: US
Contact telephone: 916-789-5184
Contact email: JEDIEL@UP.COM
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: KRISTEN STEVENS
Owner/operator address: 2401 E SEPULVEDA BLVD
LONG BEACH, CA 90810
Owner/operator country: Not reported
Owner/operator telephone: 562-756-0076
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHARTER INTL OIL TRANS & TERM (Continued)

1000369992

Legal status:	Other
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported
Owner/operator name:	UNION PACIFIC RAILROAD
Owner/operator address:	Not reported
	Not reported
Owner/operator country:	US
Owner/operator telephone:	Not reported
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	1996-06-01 00:00:00.
Owner/Op end date:	Not reported
Owner/operator name:	UNION PACIFIC RAILROAD
Owner/operator address:	1400 DOUGLAS STREET
	OMAHA, NE 68179
Owner/operator country:	Not reported
Owner/operator telephone:	562-756-0076
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Other
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported
Owner/operator name:	CHARTER INTERNATIONAL OIL COMPANY
Owner/operator address:	NOT REQUIRED
	NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported
Owner/operator name:	UNION PACIFIC RAILROAD
Owner/operator address:	10031 FOOTHILLS BLVD
	ROSEVILLE, CA 95747
Owner/operator country:	US
Owner/operator telephone:	Not reported
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	1996-06-01 00:00:00.
Owner/Op end date:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHARTER INTL OIL TRANS & TERM (Continued)

1000369992

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 2006-12-27 00:00:00.0

Site name: FORMER BULK TERMINAL

Classification: Large Quantity Generator

Date form received by agency: 1982-07-23 00:00:00.0

Site name: UNION PACIFIC RAILROAD

Classification: Not a generator, verified

Date form received by agency: 1980-10-31 00:00:00.0

Site name: CHARTER INTL OIL TRANSP & TERM

Classification: Large Quantity Generator

Hazardous Waste Summary:

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D004
. Waste name: ARSENIC

Violation Status: No violations found

AG169 **NATIONAL PLANT SERVICES**
WNW **1364 016TH**
1/4-1/2 **LONG BEACH, CA 90813**
0.358 mi.
1891 ft. **Site 1 of 4 in cluster AG**

CA HIST UST **U001566315**
CA HIST CORTESE **N/A**

Relative:
Lower
Actual:
11 ft.

HIST UST:
Name: NATIONAL PLANT SERVICES, INC.
Address: 1364 W 16TH ST
City,State,Zip: LONG BEACH, CA 90813
File Number: Not reported
URL: Not reported
Region: STATE
Facility ID: 00000005082
Facility Type: Other
Other Type: INDUSTRIAL CLEANING
Contact Name: DENNIS R. KEENE/V.P./GENERAL M

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NATIONAL PLANT SERVICES (Continued)

U001566315

Telephone: 2134373574
Owner Name: NATIONAL PLANT SERVICES, INC.
Owner Address: 1461 HARBOR AVE.
Owner City,St,Zip: LONG BEACH, CA 90813
Total Tanks: 0003

Tank Num: 001
Container Num: DT1
Year Installed: Not reported
Tank Capacity: 00008000
Tank Used for: Not reported
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 002
Container Num: DT2
Year Installed: Not reported
Tank Capacity: 00008000
Tank Used for: Not reported
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 003
Container Num: GT1
Year Installed: Not reported
Tank Capacity: 00003000
Tank Used for: Not reported
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: None

HIST CORTESE:
edr_fname: NATIONAL PLANT SERVICES
edr_fadd1: 1364 016TH
City,State,Zip: LONG BEACH, CA 90813
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 908130143

AG170 **NATIONAL PLANT SERVICES, INC.**
WNW **1364 016TH ST W**
1/4-1/2 **LONG BEACH, CA 90813**
0.364 mi.
1920 ft. **Site 2 of 4 in cluster AG**

CA LUST **S105032798**
CA CERS **N/A**

Relative: LUST:
Lower Name: NATIONAL PLANT SERVICES, INC.
Address: 1364 016TH ST W
City,State,Zip: LONG BEACH, CA 90813
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603701928
Global Id: T0603701928
Latitude: 33.7870987

Actual:
11 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NATIONAL PLANT SERVICES, INC. (Continued)

S105032798

Longitude: -118.2098216
Status: Completed - Case Closed
Status Date: 05/29/1996
Case Worker: YR
RB Case Number: 908130143
Local Agency: LONG BEACH, CITY OF
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:

Global Id: T0603701928
Contact Type: Local Agency Caseworker
Contact Name: CARMEN PIRO
Organization Name: LONG BEACH, CITY OF
Address: 2525 GRAND AVE.
City: LONG BEACH
Email: carmen.piro@longbeach.gov
Phone Number: 5625704137

Global Id: T0603701928
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

LUST:

Global Id: T0603701928
Action Type: Other
Date: 08/19/1987
Action: Leak Reported

LUST:

Global Id: T0603701928
Status: Open - Case Begin Date
Status Date: 08/19/1987

Global Id: T0603701928
Status: Open - Site Assessment
Status Date: 03/18/1988

Global Id: T0603701928
Status: Completed - Case Closed
Status Date: 05/29/1996

LUST REG 4:

Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 908130143

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NATIONAL PLANT SERVICES, INC. (Continued)

S105032798

Status:	Case Closed	
Substance:	Gasoline	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Groundwater	
Abatement Method Used at the Site:	Excavate and Dispose	
Global ID:	T0603701928	
W Global ID:	Not reported	
Staff:	UNK	
Local Agency:	19060	
Cross Street:	HARBOR	
Enforcement Type:	Not reported	
Date Leak Discovered:	Not reported	
Date Leak First Reported:	8/19/1987	
Date Leak Record Entered:	3/10/1988	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:	5/22/1996	
Date the Case was Closed:	5/29/1996	
How Leak Discovered:	Not reported	
How Leak Stopped:	Not reported	
Cause of Leak:	Not reported	
Leak Source:	Not reported	
Operator:	Not reported	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):	16096.10862248989860530484477	
Source of Cleanup Funding:	Not reported	
Preliminary Site Assessment Workplan Submitted:	Not reported	
Preliminary Site Assessment Began:	Not reported	
Pollution Characterization Began:	3/18/1988	
Remediation Plan Submitted:	Not reported	
Remedial Action Underway:	Not reported	
Post Remedial Action Monitoring Began:	Not reported	
Enforcement Action Date:	Not reported	
Historical Max MTBE Date:	Not reported	
Hist Max MTBE Conc in Groundwater:	Not reported	
Hist Max MTBE Conc in Soil:	Not reported	
Significant Interim Remedial Action Taken:	Yes	
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	NATIONAL PLANT SERVICES	
RP Address:	1461 HARBOR AVE, LONG BEACH, CA 90813	
Program:	LUST	
Lat/Long:	33.7870987 / -1	
Local Agency Staff:	Not reported	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	
Assigned Name:	Not reported	
Summary:	THREE TANKS REMOVED. GROUND WATER CONTAMINATION IS LOCALIZED	

CERS:

Name: NATIONAL PLANT SERVICES, INC.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NATIONAL PLANT SERVICES, INC. (Continued)

S105032798

Address: 1364 016TH ST W
City,State,Zip: LONG BEACH, CA 90813
Site ID: 195578
CERS ID: T0603701928
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc: Regional Board Caseworker
Entity Name: YUE RONG - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: 320 W. 4TH ST., SUITE 200
Affiliation City: Los Angeles
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Local Agency Caseworker
Entity Name: CARMEN PIRO - LONG BEACH, CITY OF
Entity Title: Not reported
Affiliation Address: 2525 GRAND AVE.
Affiliation City: LONG BEACH
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 5625704137

**AH171
NW
1/4-1/2
0.374 mi.
1973 ft.**

**MARINE HARDWARE CO
1322 017TH ST W
LONG BEACH, CA 90813
Site 1 of 3 in cluster AH**

**CA LUST S104406360
CA CERS N/A**

**Relative:
Lower
Actual:
12 ft.**

LUST:

Name: MARINE HARDWARE CO
Address: 1322 017TH ST W
City,State,Zip: LONG BEACH, CA 90813
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603701962
Global Id: T0603701962
Latitude: 33.7879497
Longitude: -118.2091306
Status: Completed - Case Closed
Status Date: 10/08/2013
Case Worker: JH
RB Case Number: 908130516
Local Agency: LONG BEACH, CITY OF
File Location: Regional Board
Local Case Number: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Other Solvent or Non-Petroleum Hydrocarbon
Site History: Not reported

LUST:

Global Id: T0603701962
Contact Type: Local Agency Caseworker
Contact Name: CARMEN PIRO

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MARINE HARDWARE CO (Continued)

S104406360

Organization Name: LONG BEACH, CITY OF
Address: 2525 GRAND AVE.
City: LONG BEACH
Email: carmen.piro@longbeach.gov
Phone Number: 5625704137

Global Id: T0603701962
Contact Type: Regional Board Caseworker
Contact Name: JAY HUANG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 WEST 4TH STREET, SUITE 200
City: LOS ANGELES
Email: jhuang@waterboards.ca.gov
Phone Number: 2135766711

LUST:

Global Id: T0603701962
Action Type: ENFORCEMENT
Date: 07/29/2013
Action: Notification - Preclosure

Global Id: T0603701962
Action Type: RESPONSE
Date: 01/15/2013
Action: Monitoring Report - Semi-Annually

Global Id: T0603701962
Action Type: ENFORCEMENT
Date: 09/16/2008
Action: Notice to Comply

Global Id: T0603701962
Action Type: ENFORCEMENT
Date: 03/20/2009
Action: Staff Letter

Global Id: T0603701962
Action Type: ENFORCEMENT
Date: 06/15/2009
Action: Staff Letter

Global Id: T0603701962
Action Type: RESPONSE
Date: 07/15/2009
Action: Monitoring Report - Semi-Annually

Global Id: T0603701962
Action Type: RESPONSE
Date: 05/15/2002
Action: Soil and Water Investigation Report

Global Id: T0603701962
Action Type: RESPONSE
Date: 03/15/2014
Action: Well Destruction Report

Global Id: T0603701962

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MARINE HARDWARE CO (Continued)

S104406360

Action Type:	ENFORCEMENT
Date:	02/21/2002
Action:	Staff Letter
Global Id:	T0603701962
Action Type:	ENFORCEMENT
Date:	04/22/1997
Action:	Staff Letter
Global Id:	T0603701962
Action Type:	RESPONSE
Date:	10/15/2004
Action:	Monitoring Report - Quarterly
Global Id:	T0603701962
Action Type:	ENFORCEMENT
Date:	06/21/2002
Action:	Staff Letter
Global Id:	T0603701962
Action Type:	RESPONSE
Date:	07/15/2002
Action:	Monitoring Report - Quarterly
Global Id:	T0603701962
Action Type:	RESPONSE
Date:	01/15/2004
Action:	Monitoring Report - Quarterly
Global Id:	T0603701962
Action Type:	RESPONSE
Date:	10/15/2002
Action:	Monitoring Report - Quarterly
Global Id:	T0603701962
Action Type:	RESPONSE
Date:	01/15/2003
Action:	Monitoring Report - Quarterly
Global Id:	T0603701962
Action Type:	RESPONSE
Date:	04/15/2003
Action:	Monitoring Report - Quarterly
Global Id:	T0603701962
Action Type:	ENFORCEMENT
Date:	07/20/2011
Action:	Health and Safety Code Section 25296.10(c)
Global Id:	T0603701962
Action Type:	Other
Date:	10/15/1990
Action:	Leak Discovery
Global Id:	T0603701962
Action Type:	RESPONSE
Date:	07/15/2003

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MARINE HARDWARE CO (Continued)

S104406360

Action: Monitoring Report - Quarterly

Global Id: T0603701962
Action Type: RESPONSE
Date: 10/15/2003
Action: Monitoring Report - Quarterly

Global Id: T0603701962
Action Type: RESPONSE
Date: 07/15/2002
Action: CAP/RAP - Final Remediation / Design Plan

Global Id: T0603701962
Action Type: RESPONSE
Date: 04/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0603701962
Action Type: RESPONSE
Date: 07/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0603701962
Action Type: RESPONSE
Date: 07/06/2013
Action: Request for Closure - Regulator Responded

Global Id: T0603701962
Action Type: ENFORCEMENT
Date: 12/30/2011
Action: Staff Letter

Global Id: T0603701962
Action Type: ENFORCEMENT
Date: 10/08/2013
Action: Closure/No Further Action Letter

Global Id: T0603701962
Action Type: Other
Date: 10/15/1990
Action: Leak Reported

Global Id: T0603701962
Action Type: RESPONSE
Date: 07/15/2012
Action: Monitoring Report - Semi-Annually

LUST:

Global Id: T0603701962
Status: Open - Case Begin Date
Status Date: 10/15/1990

Global Id: T0603701962
Status: Open - Site Assessment
Status Date: 10/15/1990

Global Id: T0603701962

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MARINE HARDWARE CO (Continued)

S104406360

Status: Open - Verification Monitoring
Status Date: 10/15/1990

Global Id: T0603701962
Status: Open - Site Assessment
Status Date: 11/25/1998

Global Id: T0603701962
Status: Open - Remediation
Status Date: 08/19/2002

Global Id: T0603701962
Status: Open - Eligible for Closure
Status Date: 08/02/2013

Global Id: T0603701962
Status: Completed - Case Closed
Status Date: 10/08/2013

LUST REG 4:

Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 908130516
Status: Remediation Plan
Substance: Hydrocarbons
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater
Abatement Method Used at the Site: Not reported
Global ID: T0603701962
W Global ID: Not reported
Staff: HDN
Local Agency: 19060
Cross Street: Not reported
Enforcement Type: SEL
Date Leak Discovered: 10/15/1990
Date Leak First Reported: 10/15/1990
Date Leak Record Entered: 12/13/1990
Date Confirmation Began: Not reported
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 8/15/2002
Date the Case was Closed: Not reported
How Leak Discovered: Not reported
How Leak Stopped: Not reported
Cause of Leak: Not reported
Leak Source: Not reported
Operator: Not reported
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 15919.673586913456918710295999
Source of Cleanup Funding: Not reported
Preliminary Site Assessment Workplan Submitted: 10/15/1990
Preliminary Site Assessment Began: 10/15/1990
Pollution Characterization Began: 11/25/1998
Remediation Plan Submitted: 8/19/2002

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MARINE HARDWARE CO (Continued)

S104406360

Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: 10/15/1990
Enforcement Action Date: Not reported
Historical Max MTBE Date: 1/1/1965
Hist Max MTBE Conc in Groundwater: 370
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: FRANK BRANNEN
RP Address: 345 N. 17TH ST.
Program: LUST
Lat/Long: 33.7879497 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: PLEASE REFER TO 1650 HARBOR AVE. FOR ADD'L INFO. 08/20/97 GW MON & SAMPLING RPT-2ND 97; 10/14/97 GW MON & SAMPLING RPT-3RD 97; 10/19/98 GW MON SEPTEMBER 1998

CERS:

Name: MARINE HARDWARE CO
Address: 1322 017TH ST W
City,State,Zip: LONG BEACH, CA 90813
Site ID: 191675
CERS ID: T0603701962
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc: Regional Board Caseworker
Entity Name: JAY HUANG - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: 320 WEST 4TH STREET, SUITE 200
Affiliation City: LOS ANGELES
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 2135766711

Affiliation Type Desc: Local Agency Caseworker
Entity Name: CARMEN PIRO - LONG BEACH, CITY OF
Entity Title: Not reported
Affiliation Address: 2525 GRAND AVE.
Affiliation City: LONG BEACH
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 5625704137

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

172
SE
1/4-1/2
0.374 mi.
1973 ft.

DAISY AVENUE LONG BEACH
948 DAISY AVENUE
LONG BEACH, CA 90813

CA CPS-SLIC
CA CERS

S118504884
N/A

Relative:
Higher

Actual:
33 ft.

CPS-SLIC:

Name: DAISY AVENUE LONG BEACH
Address: 948 DAISY AVENUE
City,State,Zip: LONG BEACH, CA 90813
Region: STATE
Facility Status: **Open - Assessment & Interim Remedial Action**
Status Date: 06/15/2017
Global Id: T10000008848
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number: Not reported
Latitude: 33.77865
Longitude: -118.19923
Case Type: Cleanup Program Site
Case Worker: RE
Local Agency: Not reported
RB Case Number: 1374
File Location: Regional Board
Potential Media Affected: Not reported
Potential Contaminants of Concern: Not reported
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

CERS:

Name: DAISY AVENUE LONG BEACH
Address: 948 DAISY AVENUE
City,State,Zip: LONG BEACH, CA 90813
Site ID: 368929
CERS ID: T10000008848
CERS Description: Cleanup Program Site

Affiliation:

Affiliation Type Desc: Regional Board Caseworker
Entity Name: ROBERT EHE - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: 320 W 4TH ST., SUITE 200
Affiliation City: LOS ANGELES
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

AF173
South
1/4-1/2
0.379 mi.
2001 ft.

SANTA FE PACIFIC PIPELINE
DE FOREST AVE
LONG BEACH, CA 90813

CA LUST
CA HIST CORTESE

S102436446
N/A

Site 3 of 3 in cluster AF

Relative:
Lower

Actual:
11 ft.

LUST REG 4:

Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 123091-41

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SANTA FE PACIFIC PIPELINE (Continued)

S102436446

Status: Preliminary site assessment underway
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: Not reported
Global ID: T0603700221
W Global ID: Not reported
Staff: UNK
Local Agency: 19060
Cross Street: 060TH ST.
Enforcement Type: Not reported
Date Leak Discovered: 10/28/1991
Date Leak First Reported: 11/15/1991
Date Leak Record Entered: 12/20/1991
Date Confirmation Began: Not reported
Date Leak Stopped: 10/28/1991
Date Case Last Changed on Database: 12/5/1991
Date the Case was Closed: Not reported
How Leak Discovered: OM
How Leak Stopped: Not reported
Cause of Leak: Other Cause
Leak Source: Piping
Operator: Not reported
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 13320.555173176177832532799779
Source of Cleanup Funding: Piping
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: 11/15/1991
Pollution Characterization Began: Not reported
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: SANTA FE PACIFIC PIPELINE INC.
RP Address: 888 S. FIGUEROA ST., LOS ANGELES, 90017
Program: LUST
Lat/Long: 33.7813686 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: Not reported

HIST CORTESE:

edr_fname: SANTA FE PACIFIC PIPELINE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SANTA FE PACIFIC PIPELINE (Continued)

S102436446

edr_fadd1: DE FOREST AVE
City,State,Zip: LONG BEACH, CA 90813
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 123091-41

AH174 **HYDRO SERVICES CO**
NW **1322 17TH ST**
1/4-1/2 **LONG BEACH, CA 90813**
0.381 mi.
2011 ft. **Site 2 of 3 in cluster AH**

RCRA-SQG **1000366351**
CA UST **CAD982025496**
FINDS
ECHO
CA HIST CORTESE

Relative:
Lower

RCRA-SQG:

Actual:
12 ft.

Date form received by agency: 1987-08-17 00:00:00.0
Facility name: HYDRO SERVICES CO
Facility address: 1322 17TH ST
LONG BEACH, CA 90813
EPA ID: CAD982025496
Mailing address: 17TH ST
LONG BEACH, CA 90813
Contact: ENVIRONMENTAL MANAGER
Contact address: 1322 17TH ST
LONG BEACH, CA 90813
Contact country: US
Contact telephone: 213-436-0143
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: RICHARD MCMALO PRESIDENT
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HYDRO SERVICES CO (Continued)

1000366351

Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

LONG BEACH UST:

DATA AS OF 02/25/2014:

Name: HYDRO SERVICES CO.
Address: 1322 W 17TH ST
City,State,Zip: LONG BEACH, CA
Region: LONG BEACH
Tanks: 0T
Tank Test: Not reported
Leak Test: Not reported
Tank Status: Not reported

FINDS:

Registry ID: 110009542496
Facility URL: http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110009542496

Environmental Interest/Information System:

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1000366351
Registry ID: 110009542496
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110009542496>
Name: HYDRO SERVICES CO
Address: 1322 17TH ST

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HYDRO SERVICES CO (Continued)

1000366351

City,State,Zip: LONG BEACH, CA 90813

HIST CORTESE:

edr_fname: MARINE HARDWARE CO
edr_fadd1: 1322 017TH
City,State,Zip: LONG BEACH, CA 90813
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 908130516

AG175 **BRANNEN PIPE & SUPPLY**
WNW **1650 HARBOR AVE**
1/4-1/2 **LONG BEACH, CA 90813**
0.382 mi.
2019 ft. **Site 3 of 4 in cluster AG**

CA LUST **U001566290**
CA HIST UST **N/A**
CA HIST CORTESE
CA CERS

Relative:
Lower

LUST:

Actual:
11 ft.

Name: BRANNEN PIPE & SUPPLY
Address: 1650 HARBOR BLVD
City,State,Zip: LONG BEACH, CA 90813
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603701955
Global Id: T0603701955
Latitude: 33.787553
Longitude: -118.21021
Status: Completed - Case Closed
Status Date: 04/22/1997
Case Worker: YR
RB Case Number: 908130416
Local Agency: LONG BEACH, CITY OF
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:

Global Id: T0603701955
Contact Type: Local Agency Caseworker
Contact Name: CARMEN PIRO
Organization Name: LONG BEACH, CITY OF
Address: 2525 GRAND AVE.
City: LONG BEACH
Email: carmen.piro@longbeach.gov
Phone Number: 5625704137

Global Id: T0603701955
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BRANNEN PIPE & SUPPLY (Continued)

U001566290

LUST:

Global Id: T0603701955
Action Type: Other
Date: 12/04/1990
Action: Leak Reported

LUST:

Global Id: T0603701955
Status: Open - Case Begin Date
Status Date: 12/04/1990

Global Id: T0603701955
Status: Open - Site Assessment
Status Date: 01/04/1991

Global Id: T0603701955
Status: Completed - Case Closed
Status Date: 04/22/1997

HIST UST:

Name: BRANNEN PIPE & SUPPLY
Address: 1650 HARBOR AVE
City,State,Zip: LONG BEACH, CA 90813
File Number: Not reported
URL: Not reported
Region: STATE
Facility ID: 00000047093
Facility Type: Other
Other Type: WHOLESALE PLUMBING
Contact Name: FRANK BRANNON
Telephone: 2134370825
Owner Name: BRANNEN PIPE & SUPPLY
Owner Address: 1650 HARBOR AVE
Owner City,St,Zip: LONG BEACH, CA 90813
Total Tanks: 0002

Tank Num: 001
Container Num: 1
Year Installed: 1977
Tank Capacity: 00003000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: 2
Year Installed: 1977
Tank Capacity: 00004000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BRANNEN PIPE & SUPPLY (Continued)

U001566290

HIST CORTESE:

edr_fname: BRANNEN PIPE & SUPPLY
edr_fadd1: 1650 HARBOR
City,State,Zip: LONG BEACH, CA 90813
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 908130416

CERS:

Name: BRANNEN PIPE & SUPPLY
Address: 1650 HARBOR BLVD
City,State,Zip: LONG BEACH, CA 90813
Site ID: 237347
CERS ID: T0603701955
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc: Regional Board Caseworker
Entity Name: YUE RONG - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: 320 W. 4TH ST., SUITE 200
Affiliation City: Los Angeles
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Local Agency Caseworker
Entity Name: CARMEN PIRO - LONG BEACH, CITY OF
Entity Title: Not reported
Affiliation Address: 2525 GRAND AVE.
Affiliation City: LONG BEACH
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 5625704137

AG176 **BRANNEN PIPE & SUPPLY**
WNW **1650 HARBOR BLVD**
1/4-1/2 **LONG BEACH, CA 90813**
0.382 mi.
2019 ft.

CA LUST **S105035303**
N/A

Site 4 of 4 in cluster AG

Relative:
Lower
Actual:
11 ft.

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 908130416
Status: Case Closed
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: Not reported
Global ID: T0603701955

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BRANNEN PIPE & SUPPLY (Continued)

S105035303

W Global ID:	Not reported
Staff:	UNK
Local Agency:	19060
Cross Street:	Not reported
Enforcement Type:	Not reported
Date Leak Discovered:	Not reported
Date Leak First Reported:	12/4/1990
Date Leak Record Entered:	1/31/1991
Date Confirmation Began:	Not reported
Date Leak Stopped:	Not reported
Date Case Last Changed on Database:	4/14/1997
Date the Case was Closed:	4/22/1997
How Leak Discovered:	Not reported
How Leak Stopped:	Not reported
Cause of Leak:	UNK
Leak Source:	UNK
Operator:	OLD CASE #013191-04
Water System:	Not reported
Well Name:	Not reported
Approx. Dist To Production Well (ft):	15858.659219225310499634679799
Source of Cleanup Funding:	UNK
Preliminary Site Assessment Workplan Submitted:	Not reported
Preliminary Site Assessment Began:	1/4/1991
Pollution Characterization Began:	Not reported
Remediation Plan Submitted:	Not reported
Remedial Action Underway:	Not reported
Post Remedial Action Monitoring Began:	Not reported
Enforcement Action Date:	Not reported
Historical Max MTBE Date:	Not reported
Hist Max MTBE Conc in Groundwater:	Not reported
Hist Max MTBE Conc in Soil:	Not reported
Significant Interim Remedial Action Taken:	Not reported
GW Qualifier:	Not reported
Soil Qualifier:	Not reported
Organization:	Not reported
Owner Contact:	Not reported
Responsible Party:	BLANK RP
RP Address:	345 N BEACON ST, SAN PEDRO, CA 90731
Program:	LUST
Lat/Long:	33.7876347 / -1
Local Agency Staff:	Not reported
Beneficial Use:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Suspended:	Not reported
Assigned Name:	Not reported
Summary:	PLEASE REFER TO 1322 017TH ST. FOR ADD'L INFO.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

	Site	Database(s)	EPA ID Number
AH177 NW 1/4-1/2 0.387 mi. 2043 ft.	CAMPBELL CONTOUR ATTACHMENTS 1320 W ESTHER ST LONG BEACH, CA 90813 Site 3 of 3 in cluster AH	SEMS-ARCHIVE	1003878275 CAD008284333
Relative: Higher Actual: 13 ft.	SEMS Archive: Site ID: 0901024 EPA ID: CAD008284333 Name: CAMPBELL CONTOUR ATTACHMENTS Address: 1320 W ESTHER ST Address 2: Not reported City,State,Zip: LONG BEACH, CA 90813 Cong District: 32 FIPS Code: 06037 FF: N NPL: Not on the NPL Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information		
	SEMS Archive Detail: Region: 09 Site ID: 0901024 EPA ID: CAD008284333 Site Name: CAMPBELL CONTOUR ATTACHMENTS NPL: N FF: N OU: 00 Action Code: VS Action Name: ARCH SITE SEQ: 1 Start Date: Not reported Finish Date: 1986-04-01 05:00:00 Qual: Not reported Current Action Lead: EPA Perf In-Hse		
	Region: 09 Site ID: 0901024 EPA ID: CAD008284333 Site Name: CAMPBELL CONTOUR ATTACHMENTS NPL: N FF: N OU: 00 Action Code: PA Action Name: PA SEQ: 1 Start Date: 1985-08-01 05:00:00 Finish Date: 1986-04-01 05:00:00 Qual: N Current Action Lead: St Perf		
	Region: 09 Site ID: 0901024 EPA ID: CAD008284333 Site Name: CAMPBELL CONTOUR ATTACHMENTS NPL: N FF: N OU: 00 Action Code: DS Action Name: DISCVRY SEQ: 1		

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAMPBELL CONTOUR ATTACHMENTS (Continued)

1003878275

Start Date: 1985-09-01 05:00:00
Finish Date: 1985-09-01 05:00:00
Qual: Not reported
Current Action Lead: St Perf

178
WSW
1/4-1/2
0.409 mi.
2160 ft.

RUSSELL TRUCK COMPANY
1430 011TH ST W
LONG BEACH, CA 90813

CA LUST
CA HIST CORTESE
CA CERS

S101296837
N/A

Relative:
Lower

Actual:
8 ft.

LUST:
Name: RUSSELL TRUCK COMPANY
Address: 1430 011TH ST W
City,State,Zip: LONG BEACH, CA 90813
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603701924
Global Id: T0603701924
Latitude: 33.7805018
Longitude: -118.2109155
Status: Completed - Case Closed
Status Date: 09/13/1996
Case Worker: YR
RB Case Number: 908130098
Local Agency: LONG BEACH, CITY OF
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T0603701924
Contact Type: Local Agency Caseworker
Contact Name: CARMEN PIRO
Organization Name: LONG BEACH, CITY OF
Address: 2525 GRAND AVE.
City: LONG BEACH
Email: carmen.piro@longbeach.gov
Phone Number: 5625704137

Global Id: T0603701924
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0603701924
Action Type: Other
Date: 04/18/1986
Action: Leak Reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RUSSELL TRUCK COMPANY (Continued)

S101296837

LUST:

Global Id:	T0603701924
Status:	Open - Case Begin Date
Status Date:	04/18/1986
Global Id:	T0603701924
Status:	Open - Remediation
Status Date:	01/07/1988
Global Id:	T0603701924
Status:	Completed - Case Closed
Status Date:	09/13/1996

LUST REG 4:

Region:	4
Regional Board:	04
County:	Los Angeles
Facility Id:	908130098
Status:	Case Closed
Substance:	Gasoline
Substance Quantity:	Not reported
Local Case No:	Not reported
Case Type:	Groundwater
Abatement Method Used at the Site:	Remove Free Product
Global ID:	T0603701924
W Global ID:	Not reported
Staff:	UNK
Local Agency:	19060
Cross Street:	SANTA FE
Enforcement Type:	Not reported
Date Leak Discovered:	Not reported
Date Leak First Reported:	4/18/1986
Date Leak Record Entered:	12/31/1986
Date Confirmation Began:	Not reported
Date Leak Stopped:	Not reported
Date Case Last Changed on Database:	3/22/1992
Date the Case was Closed:	9/13/1996
How Leak Discovered:	Not reported
How Leak Stopped:	Not reported
Cause of Leak:	UNK
Leak Source:	Tank
Operator:	Not reported
Water System:	Not reported
Well Name:	Not reported
Approx. Dist To Production Well (ft):	18135.363357380248516636912581
Source of Cleanup Funding:	Tank
Preliminary Site Assessment Workplan Submitted:	Not reported
Preliminary Site Assessment Began:	Not reported
Pollution Characterization Began:	Not reported
Remediation Plan Submitted:	Not reported
Remedial Action Underway:	1/7/1988
Post Remedial Action Monitoring Began:	Not reported
Enforcement Action Date:	Not reported
Historical Max MTBE Date:	Not reported
Hist Max MTBE Conc in Groundwater:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RUSSELL TRUCK COMPANY (Continued)

S101296837

Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Yes
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: RUSSELL ENTERPRISES
RP Address: P.O. BOX 91135, CITY OF COMMERCE CA 90091
Program: LUST
Lat/Long: 33.7805018 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: SOIL CONTAMINATION REMOVAL COMPLETE. GROUNDWATER NOT YET COMPLETED

HIST CORTESE:

edr_fname: RUSSELL TRUCK COMPANY
edr_fadd1: 1430 011TH
City,State,Zip: LONG BEACH, CA 90813
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 908130098

CERS:

Name: RUSSELL TRUCK COMPANY
Address: 1430 011TH ST W
City,State,Zip: LONG BEACH, CA 90813
Site ID: 248490
CERS ID: T0603701924
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc: Regional Board Caseworker
Entity Name: YUE RONG - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: 320 W. 4TH ST., SUITE 200
Affiliation City: Los Angeles
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Local Agency Caseworker
Entity Name: CARMEN PIRO - LONG BEACH, CITY OF
Entity Title: Not reported
Affiliation Address: 2525 GRAND AVE.
Affiliation City: LONG BEACH
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 5625704137

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AI179 MTA DIV. 12
South 970 CHESTER PL W.
1/4-1/2 LONG BEACH, CA 90813
0.413 mi.
2180 ft. Site 1 of 2 in cluster AI

CA LUST S105692204
N/A

Relative:
Higher

Actual:
13 ft.

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 908130661
Status: Preliminary site assessment underway
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater
Abatement Method Used at the Site: Not reported
Global ID: T0603757656
W Global ID: Not reported
Staff: HDN
Local Agency: 19060
Cross Street: Not reported
Enforcement Type: SEL
Date Leak Discovered: 8/26/2002
Date Leak First Reported: 11/6/2002
Date Leak Record Entered: Not reported
Date Confirmation Began: Not reported
Date Leak Stopped: Not reported
Date Case Last Changed on Database: Not reported
Date the Case was Closed: Not reported
How Leak Discovered: OM
How Leak Stopped: Close Tank
Cause of Leak: Not reported
Leak Source: P,
Operator: Not reported
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): Not reported
Source of Cleanup Funding: P,
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: 5/28/2003
Pollution Characterization Began: 11/6/2002
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: ROBERT WILLEY
RP Address: 3 HUTTON CENTRE DR., SUITE #20
Program: LUST
Lat/Long: 0 / 0
Local Agency Staff: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MTA DIV. 12 (Continued)

S105692204

Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: Not reported

AI180
South
1/4-1/2
0.413 mi.
2180 ft.

LA CO METRO TRANS AUTH DIV 12
970 W CHESTER PL
LONG BEACH, CA 90813

CA CPS-SLIC
CA EMI
CA WDS
CA CERS

1006825733
N/A

Site 2 of 2 in cluster AI

Relative:
Higher

CPS-SLIC:

Actual:
13 ft.

Name: MTA DIVISION 12 BUS MAINTENANCE FACILITY (FORMER)
Address: 970 W. CHESTER PLACE
City,State,Zip: LONG BEACH, CA 90813
Region: STATE
Facility Status: Open - Site Assessment
Status Date: 10/28/2015
Global Id: T0603757656
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number: Not reported
Latitude: 33.7761346465539
Longitude: -118.202556515206
Case Type: Cleanup Program Site
Case Worker: MPG
Local Agency: Not reported
RB Case Number: 1256
File Location: Regional Board
Potential Media Affected: Other Groundwater (uses other than drinking water), Soil
Potential Contaminants of Concern: Diesel, Gasoline, MTBE / TBA / Other Fuel Oxygenates
Site History: The site was used as the MTA Bus Division 12 facility. The site included several gasoline and diesel USTs, and associated product piping and dispensers. The site has been mainly impacted with TPH and MTBE. Soil matrix concentrations are up to 75.7 mg/kg of TPH as gasoline, 133,000 mg/kg of TPH as diesel, 27,000 mg/kg of TPH as heavy hydrocarbons. Groundwater contaminant concentrations are up to 2,300 a%g/L of TPH as gasoline and 2,300 a%g/L of MTBE. Depth to groundwater is approximately 12 feet bgs. Human Health Risk Assessment was submitted to OEHHHA which suggested obtaining soil vapor samples for estimating vapor intrusion risk and hazard instead of groundwater concentrations.

[Click here to access the California GeoTracker records for this facility:](#)

EMI:

Name: LA CO., METROPOLITAN TRANS AUT
Address: 970 W CHESTER PL
City,State,Zip: LONG BEACH, CA 908132857
Year: 1997
County Code: 19
Air Basin: SC
Facility ID: 43755
Air District Name: SC
SIC Code: 4131
Air District Name: SOUTH COAST AQMD

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LA CO METRO TRANS AUTH DIV 12 (Continued)

1006825733

Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 1
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Name: LA CO., METROPOLITAN TRANS AUT
Address: 970 W CHESTER PL
City,State,Zip: LONG BEACH, CA 908132857
Year: 1998
County Code: 19
Air Basin: SC
Facility ID: 43755
Air District Name: SC
SIC Code: 4131
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 1
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Name: LA CO., METROPOLITAN TRANS AUT
Address: 970 W CHESTER PL
City,State,Zip: LONG BEACH, CA 908132857
Year: 1999
County Code: 19
Air Basin: SC
Facility ID: 43755
Air District Name: SC
SIC Code: 4131
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 1
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Name: LA CO., METROPOLITAN TRANS AUT
Address: 970 W CHESTER PL
City,State,Zip: LONG BEACH, CA 908132857
Year: 2000
County Code: 19
Air Basin: SC
Facility ID: 43755

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LA CO METRO TRANS AUTH DIV 12 (Continued)

1006825733

Air District Name: SC
SIC Code: 4131
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 1
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Name: LA CO., METROPOLITAN TRANS AUT
Address: 970 W CHESTER PL
City,State,Zip: LONG BEACH, CA 908132857
Year: 2001
County Code: 19
Air Basin: SC
Facility ID: 43755
Air District Name: SC
SIC Code: 4131
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 1
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

WDS:

Name: LA CO METRO TRANS AUTH DIV 12
Address: 970 W Chester Pl
City: LONG BEACH
Facility ID: 4 19I000497
Facility Type: Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number: CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion: 4
Facility Telephone: 2139224730
Facility Contact: LAURY VICTOR
Agency Name: LA CO METRO TRANS AUTH
Agency Address: 1 Gateway Plz
Agency City,St,Zip: Los Angeles 900122952
Agency Contact: URBAN BEN
Agency Telephone: 2139224714
Agency Type: ?

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LA CO METRO TRANS AUTH DIV 12 (Continued)

1006825733

SIC Code: 0
SIC Code 2: Not reported
Primary Waste Type: Not reported
Primary Waste: Not reported
Waste Type2: Not reported
Waste2: Not reported
Primary Waste Type: Not reported
Secondary Waste: Not reported
Secondary Waste Type: Not reported
Design Flow: 0
Baseline Flow: 0
Reclamation: Not reported
POTW: Not reported
Treat To Water: Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.

Complexity: Category C - Facilities having no waste treatment systems, such as cooling water dischargers or those who must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

CERS:

Name: MTA DIVISION 12 BUS MAINTENANCE FACILITY (FORMER)
Address: 970 W. CHESTER PLACE
City,State,Zip: LONG BEACH, CA 90813
Site ID: 260188
CERS ID: T0603757656
CERS Description: Cleanup Program Site

Affiliation:

Affiliation Type Desc: Regional Board Caseworker
Entity Name: MONAL GAJJAR - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: 320 W 4th Street
Affiliation City: LOS ANGELES
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 2135766745

Name: LA CO METROPOLITAN TRANS AUT
Address: 970 W. CHESTER PLACE
City,State,Zip: LONG BEACH, CA 90813-2857
Site ID: 476385
CERS ID: 110017208109
CERS Description: US EPA Air Emission Inventory System (EIS)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AJ181
West
1/4-1/2
0.420 mi.
2217 ft.

FORMER COMMERCIAL TRUCK BODIES
1468 14TH ST W
LONG BEACH, CA 90813
Site 1 of 2 in cluster AJ

CA LUST
CA CERS

S110071400
N/A

Relative:
Lower

LUST:

Actual:
9 ft.

Name: FORMER COMMERCIAL TRUCK BODIES
Address: 1468 14TH ST W
City,State,Zip: LONG BEACH, CA 90813
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603701923
Global Id: T0603701923
Latitude: 33.7836060490976
Longitude: -118.211951851845
Status: Completed - Case Closed
Status Date: 04/04/2019
Case Worker: DMB
RB Case Number: 908130089
Local Agency: LONG BEACH, CITY OF
File Location: Regional Board
Local Case Number: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:

Global Id: T0603701923
Contact Type: Local Agency Caseworker
Contact Name: CARMEN PIRO
Organization Name: LONG BEACH, CITY OF
Address: 2525 GRAND AVE.
City: LONG BEACH
Email: carmen.piro@longbeach.gov
Phone Number: 5625704137

Global Id: T0603701923
Contact Type: Regional Board Caseworker
Contact Name: DAVID M. BJOSTAD
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4th Street, Suite 200
City: Los Angeles
Email: dave.bjostad@waterboards.ca.gov
Phone Number: Not reported

LUST:

Global Id: T0603701923
Action Type: RESPONSE
Date: 07/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603701923
Action Type: RESPONSE
Date: 01/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603701923
Action Type: RESPONSE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER COMMERCIAL TRUCK BODIES (Continued)

S110071400

Date:	10/15/2013
Action:	Well Installation Report
Global Id:	T0603701923
Action Type:	RESPONSE
Date:	07/15/2013
Action:	Remedial Progress Report
Global Id:	T0603701923
Action Type:	RESPONSE
Date:	07/15/2013
Action:	Electronic Reporting Submittal Due
Global Id:	T0603701923
Action Type:	ENFORCEMENT
Date:	03/03/2009
Action:	Staff Letter
Global Id:	T0603701923
Action Type:	ENFORCEMENT
Date:	04/26/2000
Action:	Site Visit / Inspection / Sampling
Global Id:	T0603701923
Action Type:	ENFORCEMENT
Date:	06/19/2001
Action:	Site Visit / Inspection / Sampling
Global Id:	T0603701923
Action Type:	ENFORCEMENT
Date:	04/19/2001
Action:	Staff Letter
Global Id:	T0603701923
Action Type:	ENFORCEMENT
Date:	10/19/2017
Action:	State Water Board Closure Order
Global Id:	T0603701923
Action Type:	ENFORCEMENT
Date:	09/15/2016
Action:	Clean Up Fund - Case Closure Review Summary Report (RSR)
Global Id:	T0603701923
Action Type:	ENFORCEMENT
Date:	03/07/2018
Action:	State Water Board Closure Order - #WQO-2018-0005-UST
Global Id:	T0603701923
Action Type:	RESPONSE
Date:	01/15/2009
Action:	Monitoring Report - Quarterly
Global Id:	T0603701923
Action Type:	RESPONSE
Date:	04/15/2007
Action:	Monitoring Report - Quarterly

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER COMMERCIAL TRUCK BODIES (Continued)

S110071400

Global Id: T0603701923
Action Type: RESPONSE
Date: 10/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603701923
Action Type: RESPONSE
Date: 07/15/2013
Action: Monitoring Report - Semi-Annually

Global Id: T0603701923
Action Type: RESPONSE
Date: 08/30/2013
Action: Well Installation Report

Global Id: T0603701923
Action Type: ENFORCEMENT
Date: 09/12/2000
Action: Staff Letter

Global Id: T0603701923
Action Type: ENFORCEMENT
Date: 06/15/2009
Action: Staff Letter

Global Id: T0603701923
Action Type: RESPONSE
Date: 01/15/2009
Action: Remedial Progress Report

Global Id: T0603701923
Action Type: RESPONSE
Date: 05/31/2001
Action: Other Report / Document

Global Id: T0603701923
Action Type: RESPONSE
Date: 04/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603701923
Action Type: RESPONSE
Date: 07/31/2002
Action: Other Report / Document

Global Id: T0603701923
Action Type: RESPONSE
Date: 07/15/2002
Action: Monitoring Report - Quarterly

Global Id: T0603701923
Action Type: RESPONSE
Date: 07/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603701923
Action Type: RESPONSE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER COMMERCIAL TRUCK BODIES (Continued)

S110071400

Date:	01/15/2008
Action:	Monitoring Report - Quarterly
Global Id:	T0603701923
Action Type:	RESPONSE
Date:	07/15/2008
Action:	Monitoring Report - Quarterly
Global Id:	T0603701923
Action Type:	RESPONSE
Date:	10/15/2014
Action:	Monitoring Report - Quarterly
Global Id:	T0603701923
Action Type:	RESPONSE
Date:	01/15/2015
Action:	Remedial Progress Report
Global Id:	T0603701923
Action Type:	RESPONSE
Date:	07/15/2014
Action:	Remedial Progress Report
Global Id:	T0603701923
Action Type:	RESPONSE
Date:	07/15/2015
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603701923
Action Type:	RESPONSE
Date:	12/30/2015
Action:	Interim Remedial Action Report
Global Id:	T0603701923
Action Type:	RESPONSE
Date:	05/08/2015
Action:	Remedial Progress Report
Global Id:	T0603701923
Action Type:	RESPONSE
Date:	01/15/2015
Action:	Monitoring Report - Quarterly
Global Id:	T0603701923
Action Type:	ENFORCEMENT
Date:	06/17/2002
Action:	Staff Letter
Global Id:	T0603701923
Action Type:	ENFORCEMENT
Date:	12/13/2001
Action:	Staff Letter
Global Id:	T0603701923
Action Type:	ENFORCEMENT
Date:	12/07/2009
Action:	Technical Correspondence / Assistance / Other

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER COMMERCIAL TRUCK BODIES (Continued)

S110071400

Global Id:	T0603701923
Action Type:	ENFORCEMENT
Date:	05/22/2015
Action:	Staff Letter
Global Id:	T0603701923
Action Type:	ENFORCEMENT
Date:	03/29/2019
Action:	Closure/No Further Action Letter
Global Id:	T0603701923
Action Type:	RESPONSE
Date:	09/15/2011
Action:	Interim Remedial Action Plan
Global Id:	T0603701923
Action Type:	RESPONSE
Date:	10/15/2008
Action:	Monitoring Report - Quarterly
Global Id:	T0603701923
Action Type:	RESPONSE
Date:	01/15/2012
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603701923
Action Type:	RESPONSE
Date:	09/15/2011
Action:	Soil and Water Investigation Workplan - Addendum
Global Id:	T0603701923
Action Type:	RESPONSE
Date:	11/30/2012
Action:	Remedial Progress Report
Global Id:	T0603701923
Action Type:	RESPONSE
Date:	10/15/2014
Action:	Remedial Progress Report
Global Id:	T0603701923
Action Type:	RESPONSE
Date:	07/15/2014
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603701923
Action Type:	ENFORCEMENT
Date:	08/28/2017
Action:	Clean Up Fund - Case Closure Review Summary Report (RSR)
Global Id:	T0603701923
Action Type:	RESPONSE
Date:	02/03/2003
Action:	Soil and Water Investigation Report
Global Id:	T0603701923
Action Type:	RESPONSE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER COMMERCIAL TRUCK BODIES (Continued)

S110071400

Date:	02/03/2003
Action:	Final Remedial Action Report / Corrective Action Report
Global Id:	T0603701923
Action Type:	RESPONSE
Date:	04/15/2002
Action:	Monitoring Report - Quarterly
Global Id:	T0603701923
Action Type:	RESPONSE
Date:	04/15/2003
Action:	Monitoring Report - Quarterly
Global Id:	T0603701923
Action Type:	RESPONSE
Date:	10/15/2002
Action:	Monitoring Report - Quarterly
Global Id:	T0603701923
Action Type:	RESPONSE
Date:	01/15/2003
Action:	Monitoring Report - Quarterly
Global Id:	T0603701923
Action Type:	RESPONSE
Date:	07/15/2004
Action:	Monitoring Report - Quarterly
Global Id:	T0603701923
Action Type:	RESPONSE
Date:	01/15/2004
Action:	Monitoring Report - Quarterly
Global Id:	T0603701923
Action Type:	RESPONSE
Date:	07/15/2003
Action:	Monitoring Report - Quarterly
Global Id:	T0603701923
Action Type:	ENFORCEMENT
Date:	01/17/2017
Action:	Meeting
Global Id:	T0603701923
Action Type:	ENFORCEMENT
Date:	11/29/2016
Action:	Staff Letter
Global Id:	T0603701923
Action Type:	RESPONSE
Date:	01/15/2005
Action:	Monitoring Report - Quarterly
Global Id:	T0603701923
Action Type:	RESPONSE
Date:	10/15/2003
Action:	Monitoring Report - Quarterly

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER COMMERCIAL TRUCK BODIES (Continued)

S110071400

Global Id:	T0603701923
Action Type:	RESPONSE
Date:	04/15/2016
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603701923
Action Type:	RESPONSE
Date:	09/07/2018
Action:	Well Destruction Report
Global Id:	T0603701923
Action Type:	ENFORCEMENT
Date:	07/29/2011
Action:	Health and Safety Code Section 25296.10(c)
Global Id:	T0603701923
Action Type:	ENFORCEMENT
Date:	09/06/2016
Action:	Meeting
Global Id:	T0603701923
Action Type:	ENFORCEMENT
Date:	12/11/2015
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0603701923
Action Type:	ENFORCEMENT
Date:	05/04/2016
Action:	Other Report
Global Id:	T0603701923
Action Type:	ENFORCEMENT
Date:	12/11/2015
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0603701923
Action Type:	ENFORCEMENT
Date:	10/21/2013
Action:	Clean Up Fund - Case Closure Review Summary Report (RSR)
Global Id:	T0603701923
Action Type:	RESPONSE
Date:	04/15/2004
Action:	Monitoring Report - Quarterly
Global Id:	T0603701923
Action Type:	RESPONSE
Date:	10/15/2004
Action:	Monitoring Report - Quarterly
Global Id:	T0603701923
Action Type:	RESPONSE
Date:	09/15/2011
Action:	Other Report / Document
Global Id:	T0603701923
Action Type:	RESPONSE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER COMMERCIAL TRUCK BODIES (Continued)

S110071400

Date:	01/15/2017
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603701923
Action Type:	RESPONSE
Date:	04/01/2013
Action:	Corrective Action Plan / Remedial Action Plan - Regulator Responded
Global Id:	T0603701923
Action Type:	RESPONSE
Date:	05/08/2015
Action:	Corrective Action Plan / Remedial Action Plan - Regulator Responded
Global Id:	T0603701923
Action Type:	RESPONSE
Date:	03/31/2017
Action:	Request for Closure - Regulator Responded
Global Id:	T0603701923
Action Type:	RESPONSE
Date:	11/04/2016
Action:	Soil Vapor Intrusion Investigation Workplan - Regulator Responded
Global Id:	T0603701923
Action Type:	REMEDIATION
Date:	12/13/1984
Action:	Free Product Removal
Global Id:	T0603701923
Action Type:	REMEDIATION
Date:	01/11/2008
Action:	Pump & Treat (P&T) Groundwater
Global Id:	T0603701923
Action Type:	REMEDIATION
Date:	10/01/1984
Action:	Excavation
Global Id:	T0603701923
Action Type:	REMEDIATION
Date:	02/22/2006
Action:	Soil Vapor Extraction (SVE)
Global Id:	T0603701923
Action Type:	REMEDIATION
Date:	06/30/2014
Action:	Dual Phase Extraction
Global Id:	T0603701923
Action Type:	REMEDIATION
Date:	06/30/2014
Action:	Dual Phase Extraction
Global Id:	T0603701923
Action Type:	REMEDIATION
Date:	12/05/2012
Action:	Free Product Removal

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER COMMERCIAL TRUCK BODIES (Continued)

S110071400

Global Id:	T0603701923
Action Type:	RESPONSE
Date:	04/15/2005
Action:	Monitoring Report - Quarterly
Global Id:	T0603701923
Action Type:	RESPONSE
Date:	07/15/2005
Action:	Monitoring Report - Quarterly
Global Id:	T0603701923
Action Type:	RESPONSE
Date:	10/15/2005
Action:	Monitoring Report - Quarterly
Global Id:	T0603701923
Action Type:	RESPONSE
Date:	03/30/2017
Action:	Soil Vapor Intrusion Investigation Report
Global Id:	T0603701923
Action Type:	RESPONSE
Date:	12/21/2012
Action:	Soil and Water Investigation Report
Global Id:	T0603701923
Action Type:	RESPONSE
Date:	02/28/2013
Action:	Pilot Study/ Treatability Report
Global Id:	T0603701923
Action Type:	RESPONSE
Date:	01/15/2013
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603701923
Action Type:	ENFORCEMENT
Date:	05/28/2013
Action:	Staff Letter
Global Id:	T0603701923
Action Type:	ENFORCEMENT
Date:	07/10/2012
Action:	Staff Letter
Global Id:	T0603701923
Action Type:	ENFORCEMENT
Date:	06/02/2017
Action:	Email Correspondence
Global Id:	T0603701923
Action Type:	ENFORCEMENT
Date:	10/13/2017
Action:	Notification - Public Notice of Case Closure
Global Id:	T0603701923
Action Type:	ENFORCEMENT

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER COMMERCIAL TRUCK BODIES (Continued)

S110071400

Date: 09/06/2017
Action: Clean Up Fund - Case Closure Review Summary Report (RSR)

Global Id: T0603701923
Action Type: Other
Date: 10/29/1984
Action: Leak Reported

Global Id: T0603701923
Action Type: RESPONSE
Date: 01/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603701923
Action Type: RESPONSE
Date: 04/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603701923
Action Type: RESPONSE
Date: 09/15/2011
Action: Pilot Study / Treatability Workplan

Global Id: T0603701923
Action Type: RESPONSE
Date: 11/30/2012
Action: Site Assessment Report

LUST:

Global Id: T0603701923
Status: Open - Case Begin Date
Status Date: 10/29/1984

Global Id: T0603701923
Status: Open - Verification Monitoring
Status Date: 10/29/1984

Global Id: T0603701923
Status: Open - Site Assessment
Status Date: 11/19/2001

Global Id: T0603701923
Status: Open - Remediation
Status Date: 12/13/2001

Global Id: T0603701923
Status: Open - Remediation
Status Date: 02/22/2006

Global Id: T0603701923
Status: Completed - Case Closed
Status Date: 04/04/2019

CERS:

Name: FORMER COMMERCIAL TRUCK BODIES

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER COMMERCIAL TRUCK BODIES (Continued)

S110071400

Address: 1468 14TH ST W
City,State,Zip: LONG BEACH, CA 90813
Site ID: 188125
CERS ID: T0603701923
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc: Regional Board Caseworker
Entity Name: DAVID M. BJOSTAD - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: 320 W. 4th Street, Suite 200
Affiliation City: Los Angeles
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Local Agency Caseworker
Entity Name: CARMEN PIRO - LONG BEACH, CITY OF
Entity Title: Not reported
Affiliation Address: 2525 GRAND AVE.
Affiliation City: LONG BEACH
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 5625704137

AK182
NE
1/4-1/2
0.430 mi.
2269 ft.

**FORMER ROCKET STATION #6
465 PACIFIC COAST HWY W
LONG BEACH, CA 90806**

**CA LUST
CA Cortese
CA CERS**

**S104532736
N/A**

Site 1 of 2 in cluster AK

**Relative:
Higher
Actual:
13 ft.**

LUST:

Name: FORMER ROCKET STATION #6
Address: 465 PACIFIC COAST HWY W
City,State,Zip: LONG BEACH, CA 90806
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603701838
Global Id: T0603701838
Latitude: 33.7901421098237
Longitude: -118.197821974754
Status: Open - Site Assessment
Status Date: 01/29/2007
Case Worker: JTR
RB Case Number: 908061052
Local Agency: LONG BEACH, CITY OF
File Location: Regional Board
Local Case Number: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:

Global Id: T0603701838
Contact Type: Local Agency Caseworker
Contact Name: CARMEN PIRO

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER ROCKET STATION #6 (Continued)

S104532736

Organization Name: LONG BEACH, CITY OF
Address: 2525 GRAND AVE.
City: LONG BEACH
Email: carmen.piro@longbeach.gov
Phone Number: 5625704137

Global Id: T0603701838
Contact Type: Regional Board Caseworker
Contact Name: JEREMIAH ROSE
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4th St. #200
City: LOS ANGELES
Email: jeremiah.rose@waterboards.ca.gov
Phone Number: 2135766760

LUST:

Global Id: T0603701838
Action Type: RESPONSE
Date: 04/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603701838
Action Type: RESPONSE
Date: 04/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603701838
Action Type: RESPONSE
Date: 01/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603701838
Action Type: RESPONSE
Date: 01/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603701838
Action Type: RESPONSE
Date: 07/15/2013
Action: Monitoring Report - Semi-Annually

Global Id: T0603701838
Action Type: RESPONSE
Date: 01/15/2013
Action: Monitoring Report - Semi-Annually

Global Id: T0603701838
Action Type: RESPONSE
Date: 10/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603701838
Action Type: ENFORCEMENT
Date: 07/26/2000
Action: Staff Letter

Global Id: T0603701838

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER ROCKET STATION #6 (Continued)

S104532736

Action Type:	ENFORCEMENT
Date:	06/15/2009
Action:	Staff Letter
Global Id:	T0603701838
Action Type:	RESPONSE
Date:	04/15/2009
Action:	Monitoring Report - Quarterly
Global Id:	T0603701838
Action Type:	RESPONSE
Date:	01/15/2009
Action:	Monitoring Report - Quarterly
Global Id:	T0603701838
Action Type:	RESPONSE
Date:	07/15/2008
Action:	Monitoring Report - Quarterly
Global Id:	T0603701838
Action Type:	RESPONSE
Date:	01/15/2014
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603701838
Action Type:	ENFORCEMENT
Date:	06/24/2002
Action:	Staff Letter
Global Id:	T0603701838
Action Type:	ENFORCEMENT
Date:	07/26/2019
Action:	Health and Safety Code Section 25296.10(c)
Global Id:	T0603701838
Action Type:	ENFORCEMENT
Date:	07/30/2010
Action:	Clean Up Fund - Case Closure Review Summary Report (RSR)
Global Id:	T0603701838
Action Type:	RESPONSE
Date:	07/15/2007
Action:	Monitoring Report - Quarterly
Global Id:	T0603701838
Action Type:	RESPONSE
Date:	07/15/2014
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603701838
Action Type:	ENFORCEMENT
Date:	09/13/2012
Action:	Clean Up Fund - Case Closure Review Summary Report (RSR)
Global Id:	T0603701838
Action Type:	ENFORCEMENT
Date:	11/10/2011

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER ROCKET STATION #6 (Continued)

S104532736

Action: Clean Up Fund - Case Closure Review Summary Report (RSR)

Global Id: T0603701838
Action Type: ENFORCEMENT
Date: 04/12/2019
Action: Staff Letter

Global Id: T0603701838
Action Type: ENFORCEMENT
Date: 02/03/2014
Action: Clean Up Fund - Case Closure Review Summary Report (RSR)

Global Id: T0603701838
Action Type: ENFORCEMENT
Date: 10/09/2018
Action: Clean Up Fund - Case Closure Review Summary Report (RSR)

Global Id: T0603701838
Action Type: ENFORCEMENT
Date: 03/03/2016
Action: Clean Up Fund - Case Closure Review Summary Report (RSR)

Global Id: T0603701838
Action Type: RESPONSE
Date: 07/31/2002
Action: Other Report / Document

Global Id: T0603701838
Action Type: RESPONSE
Date: 01/15/2015
Action: Monitoring Report - Semi-Annually

Global Id: T0603701838
Action Type: ENFORCEMENT
Date: 09/22/2006
Action: Staff Letter

Global Id: T0603701838
Action Type: Other
Date: 11/03/1986
Action: Leak Discovery

Global Id: T0603701838
Action Type: RESPONSE
Date: 07/15/2015
Action: Monitoring Report - Semi-Annually

Global Id: T0603701838
Action Type: RESPONSE
Date: 01/15/2016
Action: Monitoring Report - Semi-Annually

Global Id: T0603701838
Action Type: RESPONSE
Date: 10/28/2019
Action: Soil and Water Investigation Report

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER ROCKET STATION #6 (Continued)

S104532736

Global Id:	T0603701838
Action Type:	RESPONSE
Date:	07/15/2018
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603701838
Action Type:	RESPONSE
Date:	01/15/2018
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603701838
Action Type:	RESPONSE
Date:	01/15/2017
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603701838
Action Type:	RESPONSE
Date:	07/15/2017
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603701838
Action Type:	RESPONSE
Date:	01/15/2020
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603701838
Action Type:	RESPONSE
Date:	07/15/2019
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603701838
Action Type:	RESPONSE
Date:	01/15/2019
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603701838
Action Type:	ENFORCEMENT
Date:	03/28/2007
Action:	Staff Letter
Global Id:	T0603701838
Action Type:	RESPONSE
Date:	11/15/2006
Action:	Soil and Water Investigation Workplan
Global Id:	T0603701838
Action Type:	RESPONSE
Date:	01/15/2018
Action:	Well Installation Report
Global Id:	T0603701838
Action Type:	RESPONSE
Date:	07/15/2016
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603701838
Action Type:	RESPONSE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER ROCKET STATION #6 (Continued)

S104532736

Date: 05/12/2019
Action: Soil and Water Investigation Workplan - Regulator Responded

Global Id: T0603701838
Action Type: REMEDIATION
Date: 01/01/1994
Action: Free Product Removal

Global Id: T0603701838
Action Type: REMEDIATION
Date: 11/01/1992
Action: Soil Vapor Extraction (SVE)

Global Id: T0603701838
Action Type: REMEDIATION
Date: 11/13/1997
Action: Excavation

Global Id: T0603701838
Action Type: Other
Date: 11/03/1986
Action: Leak Reported

Global Id: T0603701838
Action Type: RESPONSE
Date: 10/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603701838
Action Type: RESPONSE
Date: 07/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603701838
Action Type: RESPONSE
Date: 12/21/2005
Action: Well Installation Report

Global Id: T0603701838
Action Type: RESPONSE
Date: 01/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603701838
Action Type: RESPONSE
Date: 10/15/2006
Action: Monitoring Report - Quarterly

LUST:

Global Id: T0603701838
Status: Open - Case Begin Date
Status Date: 11/03/1986

Global Id: T0603701838
Status: Open - Verification Monitoring
Status Date: 11/03/1986

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER ROCKET STATION #6 (Continued)

S104532736

Global Id: T0603701838
Status: Open - Site Assessment
Status Date: 07/02/1992

Global Id: T0603701838
Status: Open - Site Assessment
Status Date: 04/17/2000

Global Id: T0603701838
Status: Open - Remediation
Status Date: 05/19/2000

Global Id: T0603701838
Status: Open - Remediation
Status Date: 07/19/2000

Global Id: T0603701838
Status: Open - Site Assessment
Status Date: 01/29/2007

LUST REG 4:

Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 908061052
Status: Remedial action (cleanup) Underway
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater
Abatement Method Used at the Site: VEFP
Global ID: T0603701838
W Global ID: Not reported
Staff: HDN
Local Agency: 19060
Cross Street: MAGNOLIA AVE & HENDERSON
Enforcement Type: LET
Date Leak Discovered: 11/3/1986
Date Leak First Reported: 11/3/1986
Date Leak Record Entered: Not reported
Date Confirmation Began: Not reported
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 8/17/2000
Date the Case was Closed: Not reported
How Leak Discovered: OM
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Operator: OLD # 021089-02
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 13549.521192631580313826210287
Source of Cleanup Funding: UNK
Preliminary Site Assessment Workplan Submitted: 7/2/1992
Preliminary Site Assessment Began: 7/2/1992
Pollution Characterization Began: 4/17/2000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER ROCKET STATION #6 (Continued)

S104532736

Remediation Plan Submitted: 5/19/2000
Remedial Action Underway: 7/19/2000
Post Remedial Action Monitoring Began: 11/3/1986
Enforcement Action Date: 7/26/2000
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: 79
Significant Interim Remedial Action Taken: Yes
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: PAMELA HARPER
RP Address: 4102 ORANGE AVE., SUITE #107-174
Program: LUST
Lat/Long: 33.7899175 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: BENZENE IN WATER 25' BELOW GRADE RE 08/07/95: VACUUM TRUCK REMOVAL
FREE PRODUCT, VE RECOVERY 18000 GALLONS RP IS REQUESTING
"ACKNOWLEDGEMENT/COMMENTS FROM LARWQCB"; 7/19/00 WP FOR ASSESSMENT
ACTIVITIES

CORTESE:

Name: FORMER ROCKET STATION #6
Address: 465 PACIFIC COAST HWY W
City,State,Zip: LONG BEACH, CA 90806
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0603701838
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: OPEN - SITE ASSESSMENT
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Unit Name: Not reported
File Name: Active Open

CERS:

Name: FORMER ROCKET STATION #6
Address: 465 PACIFIC COAST HWY W

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER ROCKET STATION #6 (Continued)

S104532736

City,State,Zip: LONG BEACH, CA 90806
Site ID: 242447
CERS ID: T0603701838
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc: Local Agency Caseworker
Entity Name: CARMEN PIRO - LONG BEACH, CITY OF
Entity Title: Not reported
Affiliation Address: 2525 GRAND AVE.
Affiliation City: LONG BEACH
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 5625704137

Affiliation Type Desc: Regional Board Caseworker
Entity Name: JEREMIAH ROSE - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: 320 W. 4th St. #200
Affiliation City: LOS ANGELES
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 2135766760

AL183
SW
1/4-1/2
0.432 mi.
2279 ft.
TIDELANDS OIL
1348 WEST NINTH ST
LONG BEACH, CA 90801
Site 1 of 3 in cluster AL

CA CPS-SLIC
CA CERS
S106483758
N/A

Relative:
Lower

Actual:
9 ft.

CPS-SLIC:
Name: TIDELANDS OIL
Address: 1348 WEST NINTH ST
City,State,Zip: LONG BEACH, CA 90801
Region: STATE
Facility Status: Completed - Case Closed
Status Date: 06/11/2002
Global Id: SL184621445
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number: Not reported
Latitude: 33.861923
Longitude: -118.175454
Case Type: Cleanup Program Site
Case Worker: GJH
Local Agency: Not reported
RB Case Number: 0603D
File Location: Not reported
Potential Media Affected: Not reported
Potential Contaminants of Concern: Not reported
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

CERS:

Name: TIDELANDS OIL

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TIDELANDS OIL (Continued)

S106483758

Address: 1348 WEST NINTH ST
City,State,Zip: LONG BEACH, CA 90801
Site ID: 258849
CERS ID: SL184621445
CERS Description: Cleanup Program Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: JEFFREY HU - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: 320 W. 4TH ST., SUITE 200
Affiliation City: LOS ANGELES
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

AJ184 **COMMERCIAL TRUCK BODIES**
West **1468 014TH**
1/4-1/2 **LONG BEACH, CA 90813**
0.433 mi.
2284 ft. **Site 2 of 2 in cluster AJ**

CA LUST **S101296839**
CA HIST CORTESE **N/A**

Relative:
Lower

Actual:
9 ft.

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 908130089
Status: Remediation Plan
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater
Abatement Method Used at the Site: Remove Free Product
Global ID: T0603701923
W Global ID: Not reported
Staff: HSP
Local Agency: 19060
Cross Street: CASPIAN
Enforcement Type: LET
Date Leak Discovered: Not reported
Date Leak First Reported: 10/29/1984
Date Leak Record Entered: 12/31/1986
Date Confirmation Began: Not reported
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 6/24/2002
Date the Case was Closed: Not reported
How Leak Discovered: Not reported
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Operator: Not reported
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 17022.979467648796558785860525
Source of Cleanup Funding: UNK
Preliminary Site Assessment Workplan Submitted: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

COMMERCIAL TRUCK BODIES (Continued)

S101296839

Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: 11/19/2001
Remediation Plan Submitted: 12/13/2001
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: 10/29/1984
Enforcement Action Date: Not reported
Historical Max MTBE Date: 5/25/2001
Hist Max MTBE Conc in Groundwater: 2020
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Yes
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: MR. RICHARD T. SMITH
RP Address: 350 YELLOW ROSE DR.
Program: LUST
Lat/Long: 33.7835958 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: 8/7/00 GW MON RPT; 1/18/01 SUBSURFACE SOIL AND GW ASSESSMENT RPT

HIST CORTESE:
edr_fname: COMMERCIAL TRUCK BODIES
edr_fadd1: 1468 014TH
City,State,Zip: LONG BEACH, CA 90813
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 908130089

AK185 **ROCKET #6**
NE **465 PACIFIC COAST**
1/4-1/2 **LONG BEACH, CA 90806**
0.435 mi.
2297 ft. **Site 2 of 2 in cluster AK**

CA HIST CORTESE **S102435967**
N/A

Relative: HIST CORTESE:
Lower edr_fname: ROCKET #6
edr_fadd1: 465 PACIFIC COAST
Actual: City,State,Zip: LONG BEACH, CA 90806
12 ft. Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 908061052

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

186
WNW
1/4-1/2
0.437 mi.
2308 ft.

I-CHEM INTERNATIONAL (FORMER)
1455 16TH ST. W.
LONG BEACH, CA 90813

CA LUST
CA Cortese
CA CERS

S106448624
N/A

Relative:
Lower

LUST:

Actual:
11 ft.

Name: I-CHEM INTERNATIONAL (FORMER)
Address: 1455 16TH ST. W.
City,State,Zip: LONG BEACH, CA 90813-1325
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603743664
Global Id: T0603743664
Latitude: 33.787554
Longitude: -118.211719
Status: Open - Site Assessment
Status Date: 06/15/2009
Case Worker: JFL
RB Case Number: 908130670
Local Agency: LONG BEACH, CITY OF
File Location: Regional Board
Local Case Number: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:

Global Id: T0603743664
Contact Type: Local Agency Caseworker
Contact Name: CARMEN PIRO
Organization Name: LONG BEACH, CITY OF
Address: 2525 GRAND AVE.
City: LONG BEACH
Email: carmen.piro@longbeach.gov
Phone Number: 5625704137

Global Id: T0603743664
Contact Type: Regional Board Caseworker
Contact Name: JOE F. LUERA
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH STREET, SUITE 200
City: LOS ANGELES
Email: joe.luera@waterboards.ca.gov
Phone Number: Not reported

LUST:

Global Id: T0603743664
Action Type: ENFORCEMENT
Date: 09/16/2008
Action: Notice to Comply

Global Id: T0603743664
Action Type: ENFORCEMENT
Date: 03/03/2009
Action: Staff Letter

Global Id: T0603743664
Action Type: ENFORCEMENT

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

I-CHEM INTERNATIONAL (FORMER) (Continued)

S106448624

Date:	06/15/2009
Action:	Staff Letter
Global Id:	T0603743664
Action Type:	RESPONSE
Date:	07/15/2009
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603743664
Action Type:	RESPONSE
Date:	10/15/2004
Action:	Conceptual Site Model
Global Id:	T0603743664
Action Type:	RESPONSE
Date:	04/15/2009
Action:	Soil and Water Investigation Workplan
Global Id:	T0603743664
Action Type:	RESPONSE
Date:	04/15/2009
Action:	Monitoring Report - Quarterly
Global Id:	T0603743664
Action Type:	RESPONSE
Date:	07/15/2016
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603743664
Action Type:	RESPONSE
Date:	07/15/2019
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603743664
Action Type:	RESPONSE
Date:	07/15/2017
Action:	Soil and Water Investigation Report
Global Id:	T0603743664
Action Type:	ENFORCEMENT
Date:	05/09/2016
Action:	Staff Letter
Global Id:	T0603743664
Action Type:	ENFORCEMENT
Date:	10/14/2016
Action:	Staff Letter
Global Id:	T0603743664
Action Type:	Other
Date:	04/13/2004
Action:	Leak Discovery
Global Id:	T0603743664
Action Type:	RESPONSE
Date:	08/30/2004
Action:	Other Report / Document

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

I-CHEM INTERNATIONAL (FORMER) (Continued)

S106448624

Global Id:	T0603743664
Action Type:	RESPONSE
Date:	07/15/2016
Action:	Soil and Water Investigation Workplan - Regulator Responded
Global Id:	T0603743664
Action Type:	RESPONSE
Date:	12/15/2016
Action:	Soil and Water Investigation Workplan - Regulator Responded
Global Id:	T0603743664
Action Type:	RESPONSE
Date:	12/15/2016
Action:	Soil and Water Investigation Workplan - Regulator Responded
Global Id:	T0603743664
Action Type:	RESPONSE
Date:	11/05/2016
Action:	Soil and Water Investigation Workplan - Addendum - Regulator Responded
Global Id:	T0603743664
Action Type:	RESPONSE
Date:	05/13/2017
Action:	Soil and Water Investigation Workplan - Regulator Responded
Global Id:	T0603743664
Action Type:	REMEDIATION
Date:	05/10/2004
Action:	Other (Use Description Field)
Global Id:	T0603743664
Action Type:	ENFORCEMENT
Date:	01/04/2017
Action:	Verbal Communication
Global Id:	T0603743664
Action Type:	ENFORCEMENT
Date:	03/13/2017
Action:	Staff Letter
Global Id:	T0603743664
Action Type:	ENFORCEMENT
Date:	04/10/2017
Action:	Staff Letter
Global Id:	T0603743664
Action Type:	ENFORCEMENT
Date:	07/12/2004
Action:	Staff Letter
Global Id:	T0603743664
Action Type:	Other
Date:	05/06/2004
Action:	Leak Reported

LUST:

Global Id:	T0603743664
------------	-------------

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

I-CHEM INTERNATIONAL (FORMER) (Continued)

S106448624

Status: Open - Case Begin Date
Status Date: 04/13/2004

Global Id: T0603743664
Status: Open - Site Assessment
Status Date: 06/15/2009

LUST REG 4:

Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 908130670
Status: Preliminary site assessment underway
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater
Abatement Method Used at the Site: Not reported
Global ID: T0603743664
W Global ID: Not reported
Staff: GK
Local Agency: 19060
Cross Street: Not reported
Enforcement Type: Not reported
Date Leak Discovered: 4/13/2004
Date Leak First Reported: 5/6/2004
Date Leak Record Entered: Not reported
Date Confirmation Began: 5/6/2004
Date Leak Stopped: Not reported
Date Case Last Changed on Database: Not reported
Date the Case was Closed: Not reported
How Leak Discovered: OM
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Operator: Not reported
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): Not reported
Source of Cleanup Funding: UNK
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: 5/6/2004
Pollution Characterization Began: Not reported
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: GUIDO HAUG

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

I-CHEM INTERNATIONAL (FORMER) (Continued)

S106448624

RP Address: 6621 E. PACIFIC COAST HWY.
Program: LUST
Lat/Long: 0 / 0
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: Not reported

CORTESE:

Name: I-CHEM INTERNATIONAL (FORMER)
Address: 1455 16TH ST. W.
City,State,Zip: LONG BEACH, CA
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0603743664
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: OPEN - SITE ASSESSMENT
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

CERS:

Name: I-CHEM INTERNATIONAL (FORMER)
Address: 1455 16TH ST. W.
City,State,Zip: LONG BEACH, CA 90813-1325
Site ID: 243282
CERS ID: T0603743664
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc: Regional Board Caseworker
Entity Name: JOE F. LUERA - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: 320 W. 4TH STREET, SUITE 200
Affiliation City: LOS ANGELES
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Local Agency Caseworker

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

I-CHEM INTERNATIONAL (FORMER) (Continued)

S106448624

Entity Name: CARMEN PIRO - LONG BEACH, CITY OF
Entity Title: Not reported
Affiliation Address: 2525 GRAND AVE.
Affiliation City: LONG BEACH
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 5625704137

AL187 **TIDELAND OIL**
SW **1348 009TH**
1/4-1/2 **LONG BEACH, CA 90813**
0.440 mi.
2321 ft. **Site 2 of 3 in cluster AL**

CA CPS-SLIC **S103546764**
N/A

Relative: SLIC REG 4:
Lower Region: 4
Actual: Facility Status: No further action required
6 ft. SLIC: 0603D
Substance: TPH
Staff: GJH

AL188 **LINE 79 RELEASE**
SW **PIER B STREET AND HARBOR AVENUE**
1/4-1/2 **PORT OF LONG BEACH, CA 90744**
0.477 mi.
2521 ft. **Site 3 of 3 in cluster AL**

CA CPS-SLIC **S122853932**
CA CERS **N/A**

Relative: CPS-SLIC:
Lower Name: LINE 79 RELEASE
Actual: Address: PIER B STREET AND HARBOR AVENUE
10 ft. City,State,Zip: PORT OF LONG BEACH, CA 90744
Region: STATE
Facility Status: **Open - Active**
Status Date: 06/19/2018
Global Id: T10000011745
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number: Not reported
Latitude: 33.77856
Longitude: -118.21093
Case Type: Cleanup Program Site
Case Worker: RO
Local Agency: Not reported
RB Case Number: 0343C
File Location: Not reported
Potential Media Affected: Aquifer used for drinking water supply, Soil, Soil Vapor
Potential Contaminants of Concern: Crude Oil, Total Petroleum Hydrocarbons (TPH)
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

CERS:
Name: LINE 79 RELEASE
Address: PIER B STREET AND HARBOR AVENUE
City,State,Zip: PORT OF LONG BEACH, CA 90744

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LINE 79 RELEASE (Continued)

S122853932

Site ID: 439819
CERS ID: T10000011745
CERS Description: Cleanup Program Site
Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: REBECCA ORR - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: 320 W 4th St #200
Affiliation City: LOS ANGELES
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 2135766811

AM189
West
1/4-1/2
0.480 mi.
2533 ft.

TRANS WORLD OIL CORPORATION
1532 ANAHEIM ST W
LONG BEACH, CA 90813

CA LUST S103891110
CA CERS N/A

Site 1 of 2 in cluster AM

Relative:
Lower

LUST:

Actual:
8 ft.

Name: TRANS WORLD OIL CORPORATION
Address: 1532 ANAHEIM ST W
City,State,Zip: LONG BEACH, CA 90813
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603701837
Global Id: T0603701837
Latitude: 33.7825908
Longitude: -118.2126446
Status: Completed - Case Closed
Status Date: 12/31/1997
Case Worker: JW
RB Case Number: 908061043
Local Agency: LONG BEACH, CITY OF
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Diesel
Site History: Not reported

LUST:

Global Id: T0603701837
Contact Type: Local Agency Caseworker
Contact Name: CARMEN PIRO
Organization Name: LONG BEACH, CITY OF
Address: 2525 GRAND AVE.
City: LONG BEACH
Email: carmen.piro@longbeach.gov
Phone Number: 5625704137

Global Id: T0603701837
Contact Type: Regional Board Caseworker
Contact Name: JIMMIE WOO
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 WEST 4TH STREET, SUITE 200
City: LOS ANGELES

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TRANS WORLD OIL CORPORATION (Continued)

S103891110

Email: jwoo@waterboards.ca.gov
Phone Number: 2135766600

LUST:

Global Id: T0603701837
Action Type: Other
Date: 09/15/1988
Action: Leak Reported

LUST:

Global Id: T0603701837
Status: Open - Case Begin Date
Status Date: 09/15/1988

Global Id: T0603701837
Status: Open - Site Assessment
Status Date: 09/15/1988

Global Id: T0603701837
Status: Completed - Case Closed
Status Date: 12/31/1997

LUST REG 4:

Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 908061043
Status: Case Closed
Substance: Diesel
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater
Abatement Method Used at the Site: Not reported
Global ID: T0603701837
W Global ID: Not reported
Staff: JW
Local Agency: 19060
Cross Street: Not reported
Enforcement Type: Not reported
Date Leak Discovered: Not reported
Date Leak First Reported: 9/15/1988
Date Leak Record Entered: 9/10/1988
Date Confirmation Began: Not reported
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 6/13/1997
Date the Case was Closed: 12/31/1997
How Leak Discovered: Not reported
How Leak Stopped: Not reported
Cause of Leak: Not reported
Leak Source: Not reported
Operator: Not reported
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 17231.332930766640031646518397
Source of Cleanup Funding: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TRANS WORLD OIL CORPORATION (Continued)

S103891110

Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: 9/15/1988
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: BLANK RP
RP Address: 1560 W. ANAHEIM ST., LONG BEACH, CA 90806
Program: LUST
Lat/Long: 33.7825908 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: 4/30/97 - INFORMATION LETTER SENT & FOLLOW-UP. 06/5/97 -
COUNTY ASSESSOR REVIEW (FIRST & SECOND FLOOR) 06/5/97 -
INFORMATION LETTER SENT & FOLLOW-UP. SITE CLOSED BY CITY
OF LONG BEACH ON MARCH 22

CERS:

Name: TRANS WORLD OIL CORPORATION
Address: 1532 ANAHEIM ST W
City,State,Zip: LONG BEACH, CA 90813
Site ID: 246208
CERS ID: T0603701837
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc: Local Agency Caseworker
Entity Name: CARMEN PIRO - LONG BEACH, CITY OF
Entity Title: Not reported
Affiliation Address: 2525 GRAND AVE.
Affiliation City: LONG BEACH
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 5625704137

Affiliation Type Desc: Regional Board Caseworker
Entity Name: JIMMIE WOO - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: 320 WEST 4TH STREET, SUITE 200
Affiliation City: LOS ANGELES
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TRANS WORLD OIL CORPORATION (Continued)

S103891110

Affiliation Phone: 2135766600

**AN190
NW
1/4-1/2
0.488 mi.
2575 ft.**

**TOSCO - 76 STATION #3568
1410 PACIFIC COAST HWY W
LONG BEACH, CA 90810**

**CA LUST S105693836
CA CERS N/A**

Site 1 of 2 in cluster AN

**Relative:
Lower**

LUST:

**Actual:
12 ft.**

Name: TOSCO - 76 STATION #3568
Address: 1410 PACIFIC COAST HWY W
City,State,Zip: LONG BEACH, CA 90810
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603701670
Global Id: T0603701670
Latitude: 33.7897387
Longitude: -118.2106317
Status: Completed - Case Closed
Status Date: 07/03/2015
Case Worker: MB
RB Case Number: 907440252
Local Agency: LONG BEACH, CITY OF
File Location: Regional Board
Local Case Number: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:

Global Id: T0603701670
Contact Type: Local Agency Caseworker
Contact Name: CARMEN PIRO
Organization Name: LONG BEACH, CITY OF
Address: 2525 GRAND AVE.
City: LONG BEACH
Email: carmen.piro@longbeach.gov
Phone Number: 5625704137

Global Id: T0603701670
Contact Type: Regional Board Caseworker
Contact Name: MAGDY BAIADY
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: LOS ANGELES
Email: mbaiady@waterboards.ca.gov
Phone Number: 2135766699

LUST:

Global Id: T0603701670
Action Type: RESPONSE
Date: 04/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603701670
Action Type: RESPONSE
Date: 07/15/2006

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TOSCO - 76 STATION #3568 (Continued)

S105693836

Action:	Monitoring Report - Quarterly
Global Id:	T0603701670
Action Type:	RESPONSE
Date:	07/15/2013
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603701670
Action Type:	RESPONSE
Date:	01/15/2009
Action:	Monitoring Report - Quarterly
Global Id:	T0603701670
Action Type:	RESPONSE
Date:	01/13/2009
Action:	Remedial Progress Report
Global Id:	T0603701670
Action Type:	RESPONSE
Date:	01/15/2008
Action:	Monitoring Report - Quarterly
Global Id:	T0603701670
Action Type:	RESPONSE
Date:	04/15/2008
Action:	Monitoring Report - Quarterly
Global Id:	T0603701670
Action Type:	RESPONSE
Date:	07/15/2007
Action:	Monitoring Report - Quarterly
Global Id:	T0603701670
Action Type:	RESPONSE
Date:	01/15/2013
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603701670
Action Type:	ENFORCEMENT
Date:	06/15/2009
Action:	Staff Letter
Global Id:	T0603701670
Action Type:	ENFORCEMENT
Date:	07/03/2015
Action:	Closure/No Further Action Letter
Global Id:	T0603701670
Action Type:	RESPONSE
Date:	07/15/2009
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603701670
Action Type:	RESPONSE
Date:	10/15/2008
Action:	Monitoring Report - Quarterly

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TOSCO - 76 STATION #3568 (Continued)

S105693836

Global Id:	T0603701670
Action Type:	RESPONSE
Date:	07/15/2008
Action:	Monitoring Report - Quarterly
Global Id:	T0603701670
Action Type:	RESPONSE
Date:	06/29/2002
Action:	Soil and Water Investigation Workplan
Global Id:	T0603701670
Action Type:	RESPONSE
Date:	10/15/2007
Action:	Monitoring Report - Quarterly
Global Id:	T0603701670
Action Type:	RESPONSE
Date:	01/15/2007
Action:	Soil and Water Investigation Workplan
Global Id:	T0603701670
Action Type:	RESPONSE
Date:	01/15/2007
Action:	Monitoring Report - Quarterly
Global Id:	T0603701670
Action Type:	RESPONSE
Date:	04/15/2006
Action:	Monitoring Report - Quarterly
Global Id:	T0603701670
Action Type:	RESPONSE
Date:	01/15/2014
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603701670
Action Type:	ENFORCEMENT
Date:	05/15/2002
Action:	Staff Letter
Global Id:	T0603701670
Action Type:	RESPONSE
Date:	04/15/2009
Action:	Monitoring Report - Quarterly
Global Id:	T0603701670
Action Type:	RESPONSE
Date:	04/09/2007
Action:	Interim Remedial Action Plan
Global Id:	T0603701670
Action Type:	RESPONSE
Date:	01/15/2010
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603701670
Action Type:	ENFORCEMENT

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TOSCO - 76 STATION #3568 (Continued)

S105693836

Date:	05/03/2010
Action:	Access Agreement
Global Id:	T0603701670
Action Type:	RESPONSE
Date:	07/29/2002
Action:	Interim Remedial Action Plan
Global Id:	T0603701670
Action Type:	RESPONSE
Date:	10/15/2002
Action:	Other Workplan
Global Id:	T0603701670
Action Type:	RESPONSE
Date:	10/07/2002
Action:	Monitoring Report - Quarterly
Global Id:	T0603701670
Action Type:	RESPONSE
Date:	07/15/2004
Action:	Monitoring Report - Quarterly
Global Id:	T0603701670
Action Type:	RESPONSE
Date:	04/15/2003
Action:	Monitoring Report - Quarterly
Global Id:	T0603701670
Action Type:	RESPONSE
Date:	07/15/2010
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603701670
Action Type:	ENFORCEMENT
Date:	08/04/2014
Action:	Notification - Preclosure
Global Id:	T0603701670
Action Type:	RESPONSE
Date:	04/15/2004
Action:	Monitoring Report - Quarterly
Global Id:	T0603701670
Action Type:	RESPONSE
Date:	01/15/2003
Action:	Monitoring Report - Quarterly
Global Id:	T0603701670
Action Type:	RESPONSE
Date:	07/15/2003
Action:	Monitoring Report - Quarterly
Global Id:	T0603701670
Action Type:	RESPONSE
Date:	10/12/2010
Action:	Well Installation Report

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TOSCO - 76 STATION #3568 (Continued)

S105693836

Global Id:	T0603701670
Action Type:	Other
Date:	05/19/1993
Action:	Leak Discovery
Global Id:	T0603701670
Action Type:	RESPONSE
Date:	10/15/2003
Action:	Monitoring Report - Quarterly
Global Id:	T0603701670
Action Type:	RESPONSE
Date:	01/15/2004
Action:	Monitoring Report - Quarterly
Global Id:	T0603701670
Action Type:	RESPONSE
Date:	10/15/2004
Action:	Monitoring Report - Quarterly
Global Id:	T0603701670
Action Type:	RESPONSE
Date:	01/15/2011
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603701670
Action Type:	Other
Date:	05/19/1993
Action:	Leak Stopped
Global Id:	T0603701670
Action Type:	RESPONSE
Date:	07/15/2011
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603701670
Action Type:	RESPONSE
Date:	01/15/2012
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603701670
Action Type:	RESPONSE
Date:	11/25/2013
Action:	Request for Closure - Regulator Responded
Global Id:	T0603701670
Action Type:	REMEDIATION
Date:	03/01/2000
Action:	Pump & Treat (P&T) Groundwater
Global Id:	T0603701670
Action Type:	REMEDIATION
Date:	05/01/1993
Action:	Excavation
Global Id:	T0603701670
Action Type:	REMEDIATION

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TOSCO - 76 STATION #3568 (Continued)

S105693836

Date: 11/01/2008
Action: Soil Vapor Extraction (SVE)

Global Id: T0603701670
Action Type: ENFORCEMENT
Date: 06/25/2008
Action: Staff Letter

Global Id: T0603701670
Action Type: RESPONSE
Date: 04/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603701670
Action Type: Other
Date: 05/20/1993
Action: Leak Reported

Global Id: T0603701670
Action Type: RESPONSE
Date: 10/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603701670
Action Type: RESPONSE
Date: 07/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603701670
Action Type: RESPONSE
Date: 10/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603701670
Action Type: RESPONSE
Date: 01/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603701670
Action Type: RESPONSE
Date: 07/15/2012
Action: Monitoring Report - Semi-Annually

LUST:

Global Id: T0603701670
Status: Open - Case Begin Date
Status Date: 05/19/1993

Global Id: T0603701670
Status: Open - Site Assessment
Status Date: 05/20/1993

Global Id: T0603701670
Status: Open - Site Assessment
Status Date: 04/08/1997

Global Id: T0603701670

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TOSCO - 76 STATION #3568 (Continued)

S105693836

Status:	Open - Site Assessment
Status Date:	06/29/2002
Global Id:	T0603701670
Status:	Open - Remediation
Status Date:	06/20/2005
Global Id:	T0603701670
Status:	Open - Site Assessment
Status Date:	01/11/2006
Global Id:	T0603701670
Status:	Open - Site Assessment
Status Date:	12/11/2006
Global Id:	T0603701670
Status:	Open - Remediation
Status Date:	02/02/2011
Global Id:	T0603701670
Status:	Open - Eligible for Closure
Status Date:	06/16/2014
Global Id:	T0603701670
Status:	Completed - Case Closed
Status Date:	07/03/2015

LUST REG 4:

Region:	4
Regional Board:	04
County:	Los Angeles
Facility Id:	907440252
Status:	Pollution Characterization
Substance:	Gasoline
Substance Quantity:	Not reported
Local Case No:	Not reported
Case Type:	Groundwater
Abatement Method Used at the Site:	Excavate and Dispose
Global ID:	T0603701670
W Global ID:	Not reported
Staff:	MB
Local Agency:	19060
Cross Street:	HARBOR
Enforcement Type:	SEL
Date Leak Discovered:	5/19/1993
Date Leak First Reported:	5/20/1993
Date Leak Record Entered:	3/18/1993
Date Confirmation Began:	Not reported
Date Leak Stopped:	5/19/1993
Date Case Last Changed on Database:	7/15/2002
Date the Case was Closed:	Not reported
How Leak Discovered:	OM
How Leak Stopped:	Not reported
Cause of Leak:	UNK
Leak Source:	Piping
Operator:	NASSAR LABBAF

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TOSCO - 76 STATION #3568 (Continued)

S105693836

Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 15130.028638620124818068554604
Source of Cleanup Funding: Piping
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: 5/20/1993
Pollution Characterization Began: 6/29/2002
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: 1/1/1965
Hist Max MTBE Conc in Groundwater: 300000
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Yes
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: CHRISTOPHER M. SWARTZ
RP Address: P.O. BOX 25376
Program: LUST
Lat/Long: 33.7897387 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: 7/31/00 2ND QTR STATU RPT; 9/18/00 DUAL-PHASE EXTRACTION PILOT TEST
RPT.; 10/31/00 3RD QTR SITE STATUS RPT; 4/12/01 RPT OF ADD'L OFF-SITE
GW INVESTIGATION

CERS:

Name: TOSCO - 76 STATION #3568
Address: 1410 PACIFIC COAST HWY W
City,State,Zip: LONG BEACH, CA 90810
Site ID: 259304
CERS ID: T0603701670
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc: Regional Board Caseworker
Entity Name: MAGDY BAIADY - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: 320 W. 4TH ST., SUITE 200
Affiliation City: LOS ANGELES
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 2135766699

Affiliation Type Desc: Local Agency Caseworker
Entity Name: CARMEN PIRO - LONG BEACH, CITY OF
Entity Title: Not reported
Affiliation Address: 2525 GRAND AVE.
Affiliation City: LONG BEACH

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TOSCO - 76 STATION #3568 (Continued)

S105693836

Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 5625704137

**AN191
NW
1/4-1/2
0.488 mi.
2575 ft.**

**76 PRODUCTS STATION #3568
1410 PACIFIC COAST
LONG BEACH, CA 90810**

CA HIST CORTESE

**S102590702
N/A**

Site 2 of 2 in cluster AN

**Relative:
Lower**

HIST CORTESE:

**Actual:
12 ft.**

edr_fname: 76 PRODUCTS STATION #3568
edr_fadd1: 1410 PACIFIC COAST
City,State,Zip: LONG BEACH, CA 90810
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 907440252

**192
WNW
1/4-1/2
0.491 mi.
2591 ft.**

**PRINT L.A. INC.
1520 016TH ST W
LONG BEACH, CA 90813**

CA LUST

**S111711271
N/A**

**Relative:
Lower**

LUST:

**Actual:
10 ft.**

Name: PRINT L.A. INC.
Address: 1520 016TH ST W
City,State,Zip: LONG BEACH, CA 90813
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603701959
Global Id: T0603701959
Latitude: 33.7870927
Longitude: -118.2124727
Status: Completed - Case Closed
Status Date: 04/18/2013
Case Worker: GK
RB Case Number: 908130489
Local Agency: LONG BEACH, CITY OF
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Not reported
Site History: Not reported

LUST:

Global Id: T0603701959
Contact Type: Local Agency Caseworker
Contact Name: CARMEN PIRO
Organization Name: LONG BEACH, CITY OF
Address: 2525 GRAND AVE.
City: LONG BEACH
Email: carmen.piro@longbeach.gov
Phone Number: 5625704137

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRINT L.A. INC. (Continued)

S111711271

Global Id: T0603701959
Contact Type: Regional Board Caseworker
Contact Name: GREGG KWEY
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 WEST 4TH ST. SUITE 200- 1ST FLOOR
City: R4 UNKNOWN, LOS ANGELES
Email: gkwey@waterboards.ca.gov
Phone Number: 2135766702

LUST:

Global Id: T0603701959
Action Type: Other
Date: 02/27/1990
Action: Leak Discovery

Global Id: T0603701959
Action Type: ENFORCEMENT
Date: 05/04/2011
Action: Referral to Regional Board

Global Id: T0603701959
Action Type: Other
Date: 02/27/1990
Action: Leak Stopped

Global Id: T0603701959
Action Type: Other
Date: 06/06/1990
Action: Leak Reported

LUST:

Global Id: T0603701959
Status: Open - Case Begin Date
Status Date: 02/27/1990

Global Id: T0603701959
Status: Open - Remediation
Status Date: 02/27/1990

Global Id: T0603701959
Status: Completed - Case Closed
Status Date: 04/18/2013

193
NE
1/4-1/2
0.491 mi.
2594 ft.

**TEXACO SERVICE STATION (FO
340 PACIFIC COAST
LONG BEACH, CA 90806**

**CA HIST CORTESE S110060903
N/A**

**Relative:
Lower**

HIST CORTESE:
edr_fname: TEXACO SERVICE STATION (FO
edr_fadd1: 340 PACIFIC COAST
City,State,Zip: LONG BEACH, CA 90806
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA

**Actual:
12 ft.**

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TEXACO SERVICE STATION (FO (Continued)

S110060903

Reg Id: 908060034

194
SW
1/4-1/2
0.494 mi.
2607 ft.

SULLIVAN CHEM CO INC
1470 W 9TH ST
LONG BEACH, CA 90813

SEMS-ARCHIVE 1003878832
CAD981170368

Relative:
Lower
Actual:
7 ft.

SEMS Archive:
Site ID: 0902276
EPA ID: CAD981170368
Name: SULLIVAN CHEM CO INC
Address: 1470 W 9TH ST
Address 2: Not reported
City,State,Zip: LONG BEACH, CA 90813
Cong District: 32
FIPS Code: 06037
FF: N
NPL: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

SEMS Archive Detail:

Region: 09
Site ID: 0902276
EPA ID: CAD981170368
Site Name: SULLIVAN CHEM CO INC
NPL: N
FF: N
OU: 00
Action Code: VS
Action Name: ARCH SITE
SEQ: 1
Start Date: Not reported
Finish Date: 1986-05-01 04:00:00
Qual: Not reported
Current Action Lead: EPA Perf In-Hse

Region: 09
Site ID: 0902276
EPA ID: CAD981170368
Site Name: SULLIVAN CHEM CO INC
NPL: N
FF: N
OU: 00
Action Code: DS
Action Name: DISCVRY
SEQ: 1
Start Date: 1986-01-01 05:00:00
Finish Date: 1986-01-01 05:00:00
Qual: Not reported
Current Action Lead: St Perf

Region: 09
Site ID: 0902276
EPA ID: CAD981170368
Site Name: SULLIVAN CHEM CO INC
NPL: N
FF: N

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SULLIVAN CHEM CO INC (Continued)

1003878832

OU: 00
Action Code: PA
Action Name: PA
SEQ: 1
Start Date: 1985-11-01 06:00:00
Finish Date: 1986-05-01 04:00:00
Qual: N
Current Action Lead: St Perf

195
SW
1/4-1/2
0.498 mi.
2630 ft.

ARCO MARINE TERMINAL 2
1300 PIER B
LONG BEACH, CA 90813

CA CPS-SLIC **S103878658**
CA CHMIRS **N/A**
CA CERS

Relative:
Lower

Actual:
10 ft.

CPS-SLIC:
Name: ARCO MARINE TERMINAL T-2
Address: 1300-1350 WEST PIER B STREET
City,State,Zip: LONG BEACH, CA 90744
Region: STATE
Facility Status: Open - Site Assessment
Status Date: 01/20/2015
Global Id: SL374422455
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number: Not reported
Latitude: 33.7770427358461
Longitude: -118.21106672287
Case Type: Cleanup Program Site
Case Worker: RO
Local Agency: Not reported
RB Case Number: 0343A
File Location: Regional Board
Potential Media Affected: Aquifer used for drinking water supply, Soil, Soil Vapor
Potential Contaminants of Concern: Benzene, Toluene, Xylene, Diesel, MTBE / TBA / Other Fuel Oxygenates, Gasoline, Other Petroleum
Site History: Terminal2 has been in operation since the 1920s and has historically been used to store crude oil and refined petroleum products. The 18-acre Terminal 2 facility has 27 aboveground storage tanks (ASTs) that are contained within three tank farms, each of which is surrounded by a concrete firewall. ARCO Terminal Services Corporation (ATSC) owns and operates Terminal 2,. The western portion of the Terminal 2 facility is leased from the POLB, who also owns the storage lot located north of the Terminal 2 facility.

[Click here to access the California GeoTracker records for this facility:](#)

SLIC REG 4:

Region: 4
Facility Status: Remediation
SLIC: 0343A
Substance: TPH
Staff: PGN

CHMIRS:

Name: Not reported
Address: 1300 PIER B STREET

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ARCO MARINE TERMINAL 2 (Continued)

S103878658

City,State,Zip:	LONG BEACH, CA 90813
OES Incident Number:	10-7657
OES notification:	12/20/2010
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	Not reported
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Other
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Gal(s)
Other:	Not reported
Date/Time:	815
Year:	2010
Agency:	BP
Incident Date:	12/20/2010
Admin Agency:	Long Beach Fire Department
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Trans Mix Oil
Quantity Released:	3
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ARCO MARINE TERMINAL 2 (Continued)

S103878658

#2 Pipeline: Not reported
#3 Pipeline: Not reported
#1 Vessel >= 300 Tons: Not reported
#2 Vessel >= 300 Tons: Not reported
#3 Vessel >= 300 Tons: Not reported
Evacs: Not reported
Injuries: Not reported
Fatalities: Not reported
Comments: Not reported
Description: Caller states that a sump pump has failed and sump pit has backed up into a secondary containment.

Name: Not reported
Address: 1300 PIER B ST
City,State,Zip: LONG BEACH, CA
OES Incident Number: 1-2294
OES notification: 04/11/2011
OES Date: Not reported
OES Time: Not reported
Date Completed: Not reported
Property Use: Not reported
Agency Id Number: Not reported
Agency Incident Number: Not reported
Time Notified: Not reported
Time Completed: Not reported
Surrounding Area: Not reported
Estimated Temperature: Not reported
Property Management: Not reported
More Than Two Substances Involved?: Not reported
Resp Agency Personnel # Of Decontaminated: Not reported
Responding Agency Personnel # Of Injuries: Not reported
Responding Agency Personnel # Of Fatalities: Not reported
Others Number Of Decontaminated: Not reported
Others Number Of Injuries: Not reported
Others Number Of Fatalities: Not reported
Vehicle Make/year: Not reported
Vehicle License Number: Not reported
Vehicle State: Not reported
Vehicle Id Number: Not reported
CA DOT PUC/ICC Number: Not reported
Company Name: Not reported
Reporting Officer Name/ID: Not reported
Report Date: Not reported
Facility Telephone: Not reported
Waterway Involved: Yes
Waterway: Long Beach Harbor
Spill Site: Waterways
Cleanup By: Unknown
Containment: Not reported
What Happened: Not reported
Type: Not reported
Measure: Gal(s)
Other: Not reported
Date/Time: 840
Year: 2011
Agency: NRC

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ARCO MARINE TERMINAL 2 (Continued)

S103878658

Incident Date: 4/11/2011
Admin Agency: Long Beach Fire Department
Amount: Not reported
Contained: Unknown
Site Type: Long Beach Harbor
E Date: Not reported
Substance: Oil
Quantity Released: UNK
Unknown: Not reported
Substance #2: Not reported
Substance #3: Not reported
Evacuations: Not reported
Number of Injuries: Not reported
Number of Fatalities: Not reported
#1 Pipeline: Not reported
#2 Pipeline: Not reported
#3 Pipeline: Not reported
#1 Vessel >= 300 Tons: Not reported
#2 Vessel >= 300 Tons: Not reported
#3 Vessel >= 300 Tons: Not reported
Evacs: Not reported
Injuries: Not reported
Fatafs: Not reported
Comments: Not reported
Description: PER THE NRC REPORT # 972584, CALLER IS REPORTING AN UNKNOWN SHEEN FROM AN UNKNOWN SOURCE.

CERS:

Name: ARCO MARINE TERMINAL T-2
Address: 1300-1350 WEST PIER B STREET
City,State,Zip: LONG BEACH, CA 90744
Site ID: 254901
CERS ID: SL374422455
CERS Description: Cleanup Program Site

Affiliation:

Affiliation Type Desc: Regional Board Caseworker
Entity Name: REBECCA ORR - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: 320 W 4th St #200
Affiliation City: LOS ANGELES
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 2135766811

196
West
1/2-1
0.504 mi.
2662 ft.

SNYDER MFG CORP
1541 W COWLES ST
LONG BEACH, CA 90813

SEMS-ARCHIVE 1002850289
CA ENVIROSTOR CAD008277501

Relative:
Lower
Actual:
9 ft.

SEMS Archive:
Site ID: 0901019
EPA ID: CAD008277501
Name: SNYDER MFG CORP
Address: 1541 W COWLES ST

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SNYDER MFG CORP (Continued)

1002850289

Address 2: Not reported
City,State,Zip: LONG BEACH, CA 90813
Cong District: 32
FIPS Code: 06037
FF: N
NPL: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

SEMS Archive Detail:

Region: 09
Site ID: 0901019
EPA ID: CAD008277501
Site Name: SNYDER MFG CORP
NPL: N
FF: N
OU: 00
Action Code: VS
Action Name: ARCH SITE
SEQ: 1
Start Date: Not reported
Finish Date: 1989-01-18 05:00:00
Qual: Not reported
Current Action Lead: EPA Perf In-Hse

Region: 09
Site ID: 0901019
EPA ID: CAD008277501
Site Name: SNYDER MFG CORP
NPL: N
FF: N
OU: 00
Action Code: PA
Action Name: PA
SEQ: 1
Start Date: Not reported
Finish Date: 1989-01-18 05:00:00
Qual: N
Current Action Lead: EPA Perf

Region: 09
Site ID: 0901019
EPA ID: CAD008277501
Site Name: SNYDER MFG CORP
NPL: N
FF: N
OU: 00
Action Code: DS
Action Name: DISCVRY
SEQ: 1
Start Date: 1985-11-01 06:00:00
Finish Date: 1985-11-01 06:00:00
Qual: Not reported
Current Action Lead: St Perf

Region: 09
Site ID: 0901019
EPA ID: CAD008277501
Site Name: SNYDER MFG CORP

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SNYDER MFG CORP (Continued)

1002850289

NPL: N
FF: N
OU: 00
Action Code: PA
Action Name: PA
SEQ: 2
Start Date: 1985-09-01 05:00:00
Finish Date: 1986-06-01 04:00:00
Qual: L
Current Action Lead: St Perf

ENVIROSTOR:

Name: SNYDER MFG CORPORATION
Address: 1541 W COWLES STREET
City,State,Zip: LONG BEACH, CA 90813
Facility ID: 19280503
Status: Refer: Other Agency
Status Date: 01/18/1995
Site Code: Not reported
Site Type: Historical
Site Type Detailed: * Historical
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: * Mmonroy
Division Branch: Cleanup Cypress
Assembly: 70
Senate: 33
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 33.78491
Longitude: -118.2130
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: * DETERGENT & SOAP * UNSPECIFIED ACID SOLUTION * UNSPECIFIED
ALKALINE SOLUTIONS
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: JONES MACHINE SHOP
Alias Type: Alternate Name
Alias Name: 19280503
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 01/18/1995
Comments: DATABASE VALIDATION PROGRAM CONFIRMS NFA FOR DTSC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SNYDER MFG CORP (Continued)

1002850289

Completed Document Type: Site Screening
Completed Date: 01/28/1988
Comments: SITE SCREENING DONE ADDITIONAL INFORMATION IS NEEDED TO DETERMINE
CHEMICAL WASTE HANDLING, STORAGE AND DISPOSAL PRACTICES. SIGNIFICANT
QUANTITIES OF HAZ SUBSTANCES MAY HAVE BEEN HANDLED AT THIS SITE

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 03/25/1980
Comments: FACILITY IDENTIFIED IW SURVEY QUESTIONNAIRE 12580 QUESTIONNAIRE
RECEIVED

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

AM197
West
1/2-1
0.507 mi.
2679 ft.

CAL BUMPER CO INC
1555 W ANAHEIM ST
LONG BEACH, CA 90813
Site 2 of 2 in cluster AM

CA ENVIROSTOR
CA EMI
CA WDS
CA CERS

S103633060
N/A

Relative:
Lower

Actual:
8 ft.

ENVIROSTOR:
Name: CAL BUMPER CO., INC.
Address: 1555 W. ANAHEIM STREET
City,State,Zip: LONG BEACH, CA 90813
Facility ID: 71002353
Status: Refer: Other Agency
Status Date: Not reported
Site Code: Not reported
Site Type: Tiered Permit
Site Type Detailed: Tiered Permit
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Not reported
Division Branch: Cleanup Chatsworth
Assembly: 70
Senate: 33
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 33.78282
Longitude: -118.2134
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL BUMPER CO INC (Continued)

S103633060

Potential Description: NONE SPECIFIED
Alias Name: CAD030862742
Alias Type: EPA Identification Number
Alias Name: 110012440251
Alias Type: EPA (FRS #)
Alias Name: 71002353
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

EMI:

Name: CAL BUMPER CO INC
Address: 1555 W ANAHEIM ST
City,State,Zip: LONG BEACH, CA 908130000
Year: 2005
County Code: 19
Air Basin: SC
Facility ID: 8724
Air District Name: SC
SIC Code: 3471
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: .0144
Reactive Organic Gases Tons/Yr: .00607968
Carbon Monoxide Emissions Tons/Yr: .219
NOX - Oxides of Nitrogen Tons/Yr: .261
SOX - Oxides of Sulphur Tons/Yr: .00157
Particulate Matter Tons/Yr: .02043
Part. Matter 10 Micrometers and Smllr Tons/Yr: .0199197

Name: CAL BUMPER CO INC
Address: 1555 W ANAHEIM ST
City,State,Zip: LONG BEACH, CA 908130000
Year: 2006
County Code: 19
Air Basin: SC
Facility ID: 8724
Air District Name: SC
SIC Code: 3471
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL BUMPER CO INC (Continued)

S103633060

Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: .0189483657034580767
Reactive Organic Gases Tons/Yr: .008
Carbon Monoxide Emissions Tons/Yr: .123
NOX - Oxides of Nitrogen Tons/Yr: .146
SOX - Oxides of Sulphur Tons/Yr: .001
Particulate Matter Tons/Yr: .011
Part. Matter 10 Micrometers and Smlr Tons/Yr: .011

Name: CAL BUMPER CO INC
Address: 1555 W ANAHEIM ST
City,State,Zip: LONG BEACH, CA 908130000
Year: 2007
County Code: 19
Air Basin: SC
Facility ID: 8724
Air District Name: SC
SIC Code: 3471
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: .0189483657034580767
Reactive Organic Gases Tons/Yr: .008
Carbon Monoxide Emissions Tons/Yr: .123
NOX - Oxides of Nitrogen Tons/Yr: .146
SOX - Oxides of Sulphur Tons/Yr: .001
Particulate Matter Tons/Yr: .011
Part. Matter 10 Micrometers and Smlr Tons/Yr: .011

Name: CAL BUMPER CO INC
Address: 1555 W ANAHEIM ST
City,State,Zip: LONG BEACH, CA 90813
Year: 2008
County Code: 19
Air Basin: SC
Facility ID: 8724
Air District Name: SC
SIC Code: 3399
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: .0184814069161534817
Reactive Organic Gases Tons/Yr: .00780285
Carbon Monoxide Emissions Tons/Yr: .11
NOX - Oxides of Nitrogen Tons/Yr: .14
SOX - Oxides of Sulphur Tons/Yr: .00085122
Particulate Matter Tons/Yr: .01047347244
Part. Matter 10 Micrometers and Smlr Tons/Yr: .0100899597636

Name: CAL BUMPER CO INC
Address: 1555 W ANAHEIM ST
City,State,Zip: LONG BEACH, CA 90813
Year: 2009
County Code: 19
Air Basin: SC
Facility ID: 8724
Air District Name: SC

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL BUMPER CO INC (Continued)

S103633060

SIC Code: 3399
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1.7337754618664099E-2
Reactive Organic Gases Tons/Yr: 7.3200000000000001E-3
Carbon Monoxide Emissions Tons/Yr: 0.11
NOX - Oxides of Nitrogen Tons/Yr: 0.13
SOX - Oxides of Sulphur Tons/Yr: 7.9900000000000001E-4
Particulate Matter Tons/Yr: 1.0168999999999999E-2
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0.01003211

Name: CAL BUMPER CO INC
Address: 1555 W ANAHEIM ST
City,State,Zip: LONG BEACH, CA 90813
Year: 2010
County Code: 19
Air Basin: SC
Facility ID: 8724
Air District Name: SC
SIC Code: 3399
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0.0147797252486972
Reactive Organic Gases Tons/Yr: 6.2399999999999999E-3
Carbon Monoxide Emissions Tons/Yr: 9.5439999999999997E-2
NOX - Oxides of Nitrogen Tons/Yr: 0.11362
SOX - Oxides of Sulphur Tons/Yr: 6.8000000000000005E-4
Particulate Matter Tons/Yr: 8.6300000000000005E-3
Part. Matter 10 Micrometers and Smllr Tons/Yr: 8.6300000000000005E-3

WDS:

Name: CAL BUMPER CO INC
Address: 1555 W Anaheim St
City: LONG BEACH
Facility ID: 4 19I004922
Facility Type: Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number: CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion: 4
Facility Telephone: 5624361203
Facility Contact: ROBERT COSTANZA
Agency Name: CAL BUMPER CO INC
Agency Address: 1555 W Anaheim St
Agency City,St,Zip: Long Beach 908132697
Agency Contact: ROBERT COSTANZA
Agency Telephone: 5624361203
Agency Type: Private
SIC Code: 0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAL BUMPER CO INC (Continued)

S103633060

SIC Code 2: Not reported
Primary Waste Type: Not reported
Primary Waste: Not reported
Waste Type2: Not reported
Waste2: Not reported
Primary Waste Type: Not reported
Secondary Waste: Not reported
Secondary Waste Type: Not reported
Design Flow: 0
Baseline Flow: 0
Reclamation: Not reported
POTW: Not reported
Treat To Water: Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.

Complexity: Category C - Facilities having no waste treatment systems, such as cooling water dischargers or those who must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

CERS:

Name: CAL BUMPER CO INC
Address: 1555 WEST ANAHEIM STREET
City,State,Zip: LONG BEACH, CA 90813-2697
Site ID: 456526
CERS ID: 110012440251
CERS Description: US EPA Air Emission Inventory System (EIS)

Affiliation:

Affiliation Type Desc: Environmental Contact
Entity Name: ROBERT COSTANZA
Entity Title: VICE PRESIDENT
Affiliation Address: 1555 WEST ANAHEIM ST
Affiliation City: LONG BEACH
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Public Contact
Entity Name: L E LOVELLE
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

198
WNW
1/2-1
0.549 mi.
2899 ft.

DION & SONS INC
1569 016TH ST W
LONG BEACH, CA 90813

CA ENVIROSTOR
CA LUST
CA EMI
CA HIST CORTESE

S100868345
N/A

Relative:
Lower

ENVIROSTOR:

Actual:
10 ft.

Name: M O DION & SONS
Address: 1569 WEST 16TH STREET
City,State,Zip: LONG BEACH, CA 90813
Facility ID: 19290263
Status: Refer: RWQCB
Status Date: 06/20/1995
Site Code: Not reported
Site Type: Historical
Site Type Detailed: * Historical
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: * Mmonroy
Division Branch: Cleanup Cypress
Assembly: 70
Senate: 33
Special Program: * Site Char & Assess Grant (CERCLA 104)
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 33.78754
Longitude: -118.2133
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: * HYDROCARBON SOLVENTS * OXYGENATED SOLVENTS * WASTE OIL & MIXED OIL
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 110002646352
Alias Type: EPA (FRS #)
Alias Name: 19290263
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 04/25/1995
Comments: LA RWQCB'S UST LEAK LIST INDICATES THE BOARD IS OVERSEEING THE CLEANUP OF THE SITE. STATUS IS ADDITIONAL CHARACTER- IZATION (SC). GROUNDWATER AT THE SITE IS CONTAMINATED. DEPT RECEIVED THE EPA REASSESSMENT REPORT WHICH RECOMMENDED NFA UNDER CERCLA FOR THE SITE. DUE TO RWQCB'S OVERSIGHT, THE DEPT'S INVOLVEMENT IS UNNECESSARY.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 01/12/1983
Comments: FACILITY IDENTIFIED L.A. CHAM OF COMM BUS DIR 1971 MFG./DISTRIBUTOR/GAS/LUBRICANTS/SOLVENTS

Future Area Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DION & SONS INC (Continued)

S100868345

Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

LUST:

Name: DION & SONS, INCORPORATED
Address: 1569 WEST 16TH STREET
City,State,Zip: LONG BEACH, CA 90813
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603701934
Global Id: T0603701934
Latitude: 33.7875156168793
Longitude: -118.213572859559
Status: Completed - Case Closed
Status Date: 05/23/2017
Case Worker: DPP
RB Case Number: 908130207A
Local Agency: LONG BEACH, CITY OF
File Location: Regional Board
Local Case Number: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:

Global Id: T0603701934
Contact Type: Local Agency Caseworker
Contact Name: CARMEN PIRO
Organization Name: LONG BEACH, CITY OF
Address: 2525 GRAND AVE.
City: LONG BEACH
Email: carmen.piro@longbeach.gov
Phone Number: 5625704137

Global Id: T0603701934
Contact Type: Regional Board Caseworker
Contact Name: DANIEL PIROTON
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: Not reported
City: R4 UNKNOWN
Email: dpirotton@waterboards.ca.gov
Phone Number: 2135766714

LUST:

Global Id: T0603701934
Action Type: ENFORCEMENT
Date: 09/16/2008
Action: Notice to Comply

Global Id: T0603701934
Action Type: ENFORCEMENT

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DION & SONS INC (Continued)

S100868345

Date:	08/18/2000
Action:	Staff Letter
Global Id:	T0603701934
Action Type:	ENFORCEMENT
Date:	06/15/2009
Action:	Staff Letter
Global Id:	T0603701934
Action Type:	RESPONSE
Date:	06/30/2014
Action:	Other Report / Document
Global Id:	T0603701934
Action Type:	RESPONSE
Date:	01/15/2015
Action:	Monitoring Report - Quarterly
Global Id:	T0603701934
Action Type:	ENFORCEMENT
Date:	06/24/2002
Action:	Staff Letter
Global Id:	T0603701934
Action Type:	RESPONSE
Date:	04/15/2015
Action:	Monitoring Report - Quarterly
Global Id:	T0603701934
Action Type:	RESPONSE
Date:	01/15/2015
Action:	Well Installation Report
Global Id:	T0603701934
Action Type:	RESPONSE
Date:	01/15/2015
Action:	Well Installation Report
Global Id:	T0603701934
Action Type:	ENFORCEMENT
Date:	10/17/2014
Action:	Staff Letter
Global Id:	T0603701934
Action Type:	ENFORCEMENT
Date:	05/16/2014
Action:	Health and Safety Code Section 25296.10(c)
Global Id:	T0603701934
Action Type:	ENFORCEMENT
Date:	05/23/2017
Action:	Closure/No Further Action Letter
Global Id:	T0603701934
Action Type:	RESPONSE
Date:	04/15/2016
Action:	Monitoring Report - Quarterly

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DION & SONS INC (Continued)

S100868345

Global Id: T0603701934
Action Type: RESPONSE
Date: 01/15/2016
Action: Monitoring Report - Quarterly

Global Id: T0603701934
Action Type: RESPONSE
Date: 10/15/2015
Action: Monitoring Report - Quarterly

Global Id: T0603701934
Action Type: RESPONSE
Date: 02/16/2017
Action: Other Report / Document

Global Id: T0603701934
Action Type: RESPONSE
Date: 06/30/2014
Action: Soil and Water Investigation Workplan - Regulator Responded

Global Id: T0603701934
Action Type: RESPONSE
Date: 07/15/2016
Action: Monitoring Report - Quarterly - Regulator Responded

Global Id: T0603701934
Action Type: REMEDIATION
Date: 06/01/1998
Action: Excavation

Global Id: T0603701934
Action Type: ENFORCEMENT
Date: 12/16/2016
Action: Notification - Preclosure

Global Id: T0603701934
Action Type: Other
Date: 02/02/1992
Action: Leak Reported

LUST:

Global Id: T0603701934
Status: Open - Case Begin Date
Status Date: 02/02/1992

Global Id: T0603701934
Status: Open - Remediation
Status Date: 02/02/1992

Global Id: T0603701934
Status: Open - Site Assessment
Status Date: 04/16/1999

Global Id: T0603701934
Status: Open - Site Assessment
Status Date: 08/18/2000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DION & SONS INC (Continued)

S100868345

Global Id: T0603701934
Status: Completed - Case Closed
Status Date: 05/23/2017

LUST REG 4:

Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 908130207
Status: Case Closed
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater
Abatement Method Used at the Site: Remove Free Product
Global ID: T0603701933
W Global ID: Not reported
Staff: UNK
Local Agency: 19060
Cross Street: Not reported
Enforcement Type: Not reported
Date Leak Discovered: Not reported
Date Leak First Reported: 2/2/1992
Date Leak Record Entered: 6/8/1992
Date Confirmation Began: Not reported
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 8/7/1996
Date the Case was Closed: 7/17/1996
How Leak Discovered: Not reported
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Operator: DION MICHELL O III
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 15576.019932398430525047147444
Source of Cleanup Funding: UNK
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: 5/29/1992
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Yes
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: DION & SONS, INCORPORATED
RP Address: 1569 16TH ST, LONG BEACH CA 90813
Program: LUST
Lat/Long: 33.7873107 / -1

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DION & SONS INC (Continued)

S100868345

Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: Not reported

EMI:

Name: M.O. DION AND SONS, INC
Address: 1569 WEST 16TH STREET
City,State,Zip: LONG BEACH, CA 90813
Year: 1987
County Code: 19
Air Basin: SC
Facility ID: 3606
Air District Name: SC
SIC Code: 5171
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 3
Reactive Organic Gases Tons/Yr: 3
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Name: M.O. DION AND SONS, INC
Address: 1569 WEST 16TH STREET
City,State,Zip: LONG BEACH, CA 90813
Year: 1990
County Code: 19
Air Basin: SC
Facility ID: 3606
Air District Name: SC
SIC Code: 5171
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 1
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Name: M.O. DION AND SONS, INC
Address: 1569 WEST 16TH STREET
City,State,Zip: LONG BEACH, CA 90813
Year: 1995
County Code: 19
Air Basin: SC
Facility ID: 3606
Air District Name: SC

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DION & SONS INC (Continued)

S100868345

SIC Code: 5171
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 1
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

HIST CORTESE:

edr_fname: DION & SONS INC
edr_fadd1: 1569 016TH
City,State,Zip: LONG BEACH, CA 90813
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 908130207

edr_fname: DION & SONS, INCORPORATED
edr_fadd1: 1569 016TH
City,State,Zip: LONG BEACH, CA 90813
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 908130207A

199
West
1/2-1
0.569 mi.
3004 ft.

LONG BEACH PLATING CO INC
1620 WEST ANAHEIM STREET
LONG BEACH, CA 90813

CA ENVIROSTOR S106834673
CA EMI N/A

Relative:
Lower

ENVIROSTOR:
Name: LONG BEACH PLATING CO., INC.
Address: 1620 WEST ANAHEIM STREET
City,State,Zip: LONG BEACH, CA 90013
Facility ID: 71002202
Status: Refer: Other Agency
Status Date: Not reported
Site Code: Not reported
Site Type: Tiered Permit
Site Type Detailed: Tiered Permit
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Not reported
Division Branch: Cleanup Chatsworth
Assembly: 70
Senate: 33
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED

Actual:
8 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LONG BEACH PLATING CO INC (Continued)

S106834673

Funding: Not reported
Latitude: 33.7824
Longitude: -118.2142
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAD008344038
Alias Type: EPA Identification Number
Alias Name: 110002632900
Alias Type: EPA (FRS #)
Alias Name: 71002202
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

EMI:

Name: LONG BEACH PLATING CO INC
Address: 1620 WEST ANAHEIM STREET
City,State,Zip: LONG BEACH, CA 90813
Year: 1990
County Code: 19
Air Basin: SC
Facility ID: 17339
Air District Name: SC
SIC Code: 3471
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr: 0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AO200
SSE
1/2-1
0.592 mi.
3125 ft.
EDISON ELEMENTARY SCHOOL
625 MAINE AVENUE
LONG BEACH, CA 90802
Site 1 of 2 in cluster AO

CA ENVIROSTOR
CA SCH
S118756597
N/A

Relative:
Higher

Actual:
21 ft.

ENVIROSTOR:
Name: EDISON ELEMENTARY SCHOOL
Address: 625 MAINE AVENUE
City,State,Zip: LONG BEACH, CA 90802
Facility ID: 19820121
Status: No Action Required
Status Date: 02/11/2000
Site Code: 404074
Site Type: School Investigation
Site Type Detailed: School
Acres: 1
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Not reported
Supervisor: Mark Malinowski
Division Branch: Southern California Schools & Brownfields Outreach
Assembly: 70
Senate: 33
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: School District
Latitude: 33.77388
Longitude: -118.2008
APN: NONE SPECIFIED
Past Use: SCHOOL - ELEMENTARY
Potential COC: NONE SPECIFIED No Contaminants found
Confirmed COC: NONE SPECIFIED
Potential Description: NMA
Alias Name: LONG BEACH USD-EDISON ELEM SCHOOL/VCA
Alias Type: Alternate Name
Alias Name: LONG BEACH USD-EDISON ELEM/CDE
Alias Type: Alternate Name
Alias Name: 110002699642
Alias Type: EPA (FRS #)
Alias Name: 404026
Alias Type: Project Code (Site Code)
Alias Name: 404074
Alias Type: Project Code (Site Code)
Alias Name: 19820121
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 02/11/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 06/29/2000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EDISON ELEMENTARY SCHOOL (Continued)

S118756597

Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 02/04/2000
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SCH:

Name: EDISON ELEMENTARY SCHOOL
Address: 625 MAINE AVENUE
City,State,Zip: LONG BEACH, CA 90802
Facility ID: 19820121
Site Type: School Investigation
Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED
Acres: 1
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Not reported
Supervisor: Mark Malinowski
Division Branch: Southern California Schools & Brownfields Outreach
Site Code: 404074
Assembly: 70
Senate: 33
Special Program Status: Not reported
Status: No Action Required
Status Date: 02/11/2000
Restricted Use: NO
Funding: School District
Latitude: 33.77388
Longitude: -118.2008
APN: NONE SPECIFIED
Past Use: SCHOOL - ELEMENTARY
Potential COC: NONE SPECIFIED, No Contaminants found
Confirmed COC: NONE SPECIFIED
Potential Description: NMA
Alias Name: LONG BEACH USD-EDISON ELEM SCHOOL/VCA
Alias Type: Alternate Name
Alias Name: LONG BEACH USD-EDISON ELEM/CDE
Alias Type: Alternate Name
Alias Name: 110002699642
Alias Type: EPA (FRS #)
Alias Name: 404026

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EDISON ELEMENTARY SCHOOL (Continued)

S118756597

Alias Type: Project Code (Site Code)
Alias Name: 404074
Alias Type: Project Code (Site Code)
Alias Name: 19820121
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 02/11/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 06/29/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 02/04/2000
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

AO201
SSE
1/2-1
0.592 mi.
3125 ft.

EDISON ELEMENTARY SCHOOL
625 MAINE AVENUE
LONG BEACH, CA 90802

CA ENVIROSTOR
CA SCH
S118756569
N/A

Site 2 of 2 in cluster AO

Relative:
Higher
Actual:
21 ft.

ENVIROSTOR:
Name: EDISON ELEMENTARY SCHOOL
Address: 625 MAINE AVENUE
City,State,Zip: LONG BEACH, CA 90802
Facility ID: 19820024
Status: No Action Required
Status Date: 02/11/2000
Site Code: 404026
Site Type: School Investigation
Site Type Detailed: School
Acres: Not reported
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Not reported
Supervisor: Mark Malinowski
Division Branch: Southern California Schools & Brownfields Outreach

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EDISON ELEMENTARY SCHOOL (Continued)

S118756569

Assembly: 70
Senate: 33
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: School District
Latitude: 33.77470
Longitude: -118.2011
APN: NONE SPECIFIED
Past Use: NONE
Potential COC: NONE SPECIFIED No Contaminants found
Confirmed COC: NONE SPECIFIED
Potential Description: NMA
Alias Name: EDISON ELEMENTARY SCHOOL
Alias Type: Alternate Name
Alias Name: LONG BEACH UNIFIED SCHOOL DISTRICT
Alias Type: Alternate Name
Alias Name: 110002699642
Alias Type: EPA (FRS #)
Alias Name: 404026
Alias Type: Project Code (Site Code)
Alias Name: 19820024
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 02/11/2000
Comments: PHSE1 - Pursuant to an agreement between the Department of Toxic substances Control (DTSC) and the California Department of Education, DTSC's Site Mitigation Program completed a review of a Phase I Environmental Assessment and has determined that No Action is necessary.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SCH:

Name: EDISON ELEMENTARY SCHOOL
Address: 625 MAINE AVENUE
City,State,Zip: LONG BEACH, CA 90802
Facility ID: 19820024
Site Type: School Investigation
Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED
Acres: Not reported
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EDISON ELEMENTARY SCHOOL (Continued)

S118756569

Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Not reported
Supervisor: Mark Malinowski
Division Branch: Southern California Schools & Brownfields Outreach
Site Code: 404026
Assembly: 70
Senate: 33
Special Program Status: Not reported
Status: No Action Required
Status Date: 02/11/2000
Restricted Use: NO
Funding: School District
Latitude: 33.77470
Longitude: -118.2011
APN: NONE SPECIFIED
Past Use: NONE
Potential COC: NONE SPECIFIED, No Contaminants found
Confirmed COC: NONE SPECIFIED
Potential Description: NMA
Alias Name: EDISON ELEMENTARY SCHOOL
Alias Type: Alternate Name
Alias Name: LONG BEACH UNIFIED SCHOOL DISTRICT
Alias Type: Alternate Name
Alias Name: 110002699642
Alias Type: EPA (FRS #)
Alias Name: 404026
Alias Type: Project Code (Site Code)
Alias Name: 19820024
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 02/11/2000
Comments: PHSE1 - Pursuant to an agreement between the Department of Toxic substances Control (DTSC) and the California Department of Education, DTSC's Site Mitigation Program completed a review of a Phase I Environmental Assessment and has determined that No Action is necessary.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

202
WNW
1/2-1
0.613 mi.
3238 ft.

CALBLASCO INC
1620 WEST 16TH STREET
LONG BEACH, CA 90813

CA ENVIROSTOR
CA HIST UST

S101480857
N/A

Relative:
Lower

Actual:
10 ft.

ENVIROSTOR:

Name: CALBLASCO INC
Address: 1620 WEST 16TH STREET
City,State,Zip: LONG BEACH, CA 90813
Facility ID: 19350398
Status: Refer: RCRA
Status Date: 03/01/1984
Site Code: Not reported
Site Type: Historical
Site Type Detailed: * Historical
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Referred - Not Assigned
Division Branch: Cleanup Cypress
Assembly: 70
Senate: 33
Special Program: * RCRA 3012 - Past Haz Waste Disp Inven Site
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 33.78722
Longitude: -118.2141
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: * HOUSEHOLD WASTES * OIL/WATER SEPARATION SLUDGE * Sludge -
Degreasing * TANK BOTTOM WASTES * UNSPECIFIED AQUEOUS SOLUTION *
WASTE OIL & MIXED OIL Cyanide (free
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CROSBY & OVERTON PLANT 1
Alias Type: Alternate Name
Alias Name: CAD028409019
Alias Type: EPA Identification Number
Alias Name: CAD980636542
Alias Type: EPA Identification Number
Alias Name: 19350398
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 05/01/1995
Comments: DATABASE VALIDATION PROGRAM CONFIRMS NFA FOR DTSC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 03/01/1984
Comments: T/C W/R.POTTS,CROSBY & OVERTON,213-432- 5445 - 1)YR OF OPER: 1952 TO
PRESENT. 2)FAC TYPE: CLARIFIER,VACUUM TANK TRUCKS 550BBL, 2 SEPARATOR

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CALBLASCO INC (Continued)

S101480857

TANKS 21,000GAL,DRUM LANDSPREADING OF OIL WASTE AT HARBOR DURING 1970. 1952-75 FAC USED AS A TRANS -FER STATION. NO CLALIFIER,NO HAULER REC THE SITE IS FENCED, PAVED,& GUARDED. SOURCE ACT: APPLI FOR OPER PERMIT DHS - INDUST/MARINE HEAVY DUTY CLEANING & SPIL PETROLEUM REFINING WASTE. HZD WASTE TO BKK LDFL. INCIDENT: 7-15-81 SPILAGE ON AZUSA AVE FINAL STRATEGY RESPONSE. RESOURCE RECOV,TRANSFER STATIN SUBMIT TO EPA PRELIM ASSESS DONE RCRA 3012

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 09/26/1983
Comments: FACILITY IDENTIFIED ID FROM ERRIS

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 02/24/1983
Comments: FACILITY IDENTIFIED L.A. CHAM OF COMM BUS DIR 1969-70 OPER: SANDBLASTING & ENAMELING

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

HIST UST:

Name: CROSBY AND OVERTON INC
Address: 1620 WEST 16TH STREET
City,State,Zip: LONG BEACH, CA 90813
File Number: 00027488
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00027488.pdf>
Region: Not reported
Facility ID: Not reported
Facility Type: Not reported
Other Type: Not reported
Contact Name: Not reported
Telephone: Not reported
Owner Name: Not reported
Owner Address: Not reported
Owner City,St,Zip: Not reported
Total Tanks: Not reported

Tank Num: Not reported
Container Num: Not reported
Year Installed: Not reported
Tank Capacity: Not reported
Tank Used for: Not reported
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CALBLASCO INC (Continued)

S101480857

[Click here for Geo Tracker PDF:](#)

AP203
WNW
1/2-1
0.624 mi.
3295 ft.

CROSBY & OVERTON - PLANT #1
1630 W 17TH ST
LONG BEACH, CA 90813

CA ENVIROSTOR
CA AST
CA WDS

S103957863
N/A

Site 1 of 2 in cluster AP

Relative:
Lower
Actual:
10 ft.

ENVIROSTOR:
Name: CROSBY & OVERTON - PLANT #1
Address: 1630 W 17TH ST
City,State,Zip: LONG BEACH, CA 908130000
Facility ID: 80001355
Status: No Action Required
Status Date: 07/05/2016
Site Code: 400214
Site Type: Corrective Action
Site Type Detailed: Corrective Action
Acres: 0
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: WM
Program Manager: Not reported
Supervisor: Farshad Vakili
Division Branch: Office of Permitting
Assembly: 70
Senate: 33
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 33.78766
Longitude: -118.2144
APN: 7432008046
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 7432008046
Alias Type: APN
Alias Name: CAD028409019
Alias Type: EPA Identification Number
Alias Name: 400214
Alias Type: Project Code (Site Code)
Alias Name: 80001355
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 08/01/1988
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 06/01/1984

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON - PLANT #1 (Continued)

S103957863

Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RCRA Facility Assessment Report
Completed Date: 07/25/1988
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Interim Measures Questionnaire
Completed Date: 02/24/1993
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Groundwater Migration Controlled
Completed Date: 08/20/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Human Exposure Controlled
Completed Date: 08/20/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedy Construction Complete
Completed Date: 08/20/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Agreement
Completed Date: 01/01/2000
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

AST:

Name: CROSBY & OVERTON - PLANT #1
Address: 1630 W 17TH ST
City/Zip: LONG BEACH,90813
Certified Unified Program Agencies: Not reported
Owner: CROSBY & OVERTON INC
Total Gallons: Not reported
CERSID: 10152423
Facility ID: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON - PLANT #1 (Continued)

S103957863

Business Name: CROSBY & OVERTON - PLANT #1
Phone: 562-432-5445
Fax: 562-495-2181
Mailing Address: 1610 W 17TH ST
Mailing Address City: LONG BEACH
Mailing Address State: CA
Mailing Address Zip Code: Not reported
Operator Name: Crosby & Overton, Inc.
Operator Phone: 562-432-5445
Owner Phone: 5624325445
Owner Mail Address: 1610 W 17th Street
Owner State: CA
Owner Zip Code: Not reported
Owner Country: United States
Property Owner Name: Crosby & Overton, Inc.
Property Owner Phone: 562-432-5445
Property Owner Mailing Address: 1610 West 17th Street
Property Owner City: Long Beach
Property Owner Stat : CA
Property Owner Zip Code: 90813
Property Owner Country: United States
EPAID: CAD028409019

WDS:

Name: CROSBY & OVERTON PLANT 1
Address: 1630 W 17th St
City: LONG BEACH
Facility ID: 4 19I002578
Facility Type: Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number: CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion: 4
Facility Telephone: 5624325445
Facility Contact: LARRY BOYLE
Agency Name: CROSBY & OVERTON INC
Agency Address: 1610 W 17th St
Agency City,St,Zip: Long Beach 908131295
Agency Contact: ROBERT DENT
Agency Telephone: 3104325445
Agency Type: Private
SIC Code: 0
SIC Code 2: Not reported
Primary Waste Type: Not reported
Primary Waste: Not reported
Waste Type2: Not reported
Waste2: Not reported
Primary Waste Type: Not reported
Secondary Waste: Not reported
Secondary Waste Type: Not reported
Design Flow: 0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON - PLANT #1 (Continued)

S103957863

Baseline Flow: 0
Reclamation: Not reported
POTW: Not reported
Treat To Water: Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity: Category C - Facilities having no waste treatment systems, such as cooling water dischargers or those who must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

AP204 CROSBY & OVERTON
WNW 1630 W. 17TH STREET
1/2-1 LONG BEACH, CA 90813
0.624 mi.
3295 ft. Site 2 of 2 in cluster AP

Relative:
Lower

Actual:
10 ft.

SEMS-ARCHIVE 1000377893
CORRACTS CAD028409019
RCRA-TSDF
RCRA-LQG
CA LUST
CA SWEEPS UST
CA HIST UST
CA FID UST
US FIN ASSUR
2020 COR ACTION
FTTS
HIST FTTS
CA ICE
CA HIST CORTESE
CA HWP
WI MANIFEST

SEMS Archive:
Site ID: 0901268
EPA ID: CAD028409019
Name: CROSBY & OVERTON
Address: 1620 W 16TH ST
Address 2: Not reported
City,State,Zip: LONG BEACH, CA 90813
Cong District: 32
FIPS Code: 06037
FF: N
NPL: Not on the NPL
Non NPL Status: Deferred to RCRA (Subtitle C)

SEMS Archive Detail:
Region: 09
Site ID: 0901268
EPA ID: CAD028409019
Site Name: CROSBY & OVERTON
NPL: N
FF: N
OU: 00
Action Code: VS
Action Name: ARCH SITE
SEQ: 1
Start Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Finish Date:	1996-01-23 05:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf In-Hse
Region:	09
Site ID:	0901268
EPA ID:	CAD028409019
Site Name:	CROSBY & OVERTON
NPL:	N
FF:	N
OU:	00
Action Code:	DS
Action Name:	DISCVRY
SEQ:	1
Start Date:	1980-07-01 04:00:00
Finish Date:	1980-07-01 04:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	09
Site ID:	0901268
EPA ID:	CAD028409019
Site Name:	CROSBY & OVERTON
NPL:	N
FF:	N
OU:	00
Action Code:	SI
Action Name:	SI
SEQ:	1
Start Date:	Not reported
Finish Date:	1988-08-01 04:00:00
Qual:	D
Current Action Lead:	EPA Perf
Region:	09
Site ID:	0901268
EPA ID:	CAD028409019
Site Name:	CROSBY & OVERTON
NPL:	N
FF:	N
OU:	00
Action Code:	AA
Action Name:	RCRA F A
SEQ:	1
Start Date:	Not reported
Finish Date:	1988-08-01 04:00:00
Qual:	Not reported
Current Action Lead:	Fed Fac
Region:	09
Site ID:	0901268
EPA ID:	CAD028409019
Site Name:	CROSBY & OVERTON
NPL:	N
FF:	N
OU:	00
Action Code:	PA

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Action Name: PA
SEQ: 1
Start Date: 1984-06-01 05:00:00
Finish Date: 1987-12-01 05:00:00
Qual: L
Current Action Lead: St Perf

CORRACTS:

EPA ID: CAD028409019
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 2014-08-20 00:00:00.0
Action: CA725YE - Current Human Exposures Under Control, Yes, Current Human Exposures Under Control has been verified
NAICS Code(s): 562211
Hazardous Waste Treatment and Disposal
Original schedule date: 2014-09-24 00:00:00.0
Schedule end date: Not reported

EPA ID: CAD028409019
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 2014-08-20 00:00:00.0
Action: CA550RC
NAICS Code(s): 562211
Hazardous Waste Treatment and Disposal
Original schedule date: 2014-09-24 00:00:00.0
Schedule end date: Not reported

EPA ID: CAD028409019
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 2014-08-20 00:00:00.0
Action: CA750YE - Migration of Contaminated Groundwater under Control, Yes, Migration of Contaminated Groundwater Under Control has been verified
NAICS Code(s): 562211
Hazardous Waste Treatment and Disposal
Original schedule date: 2014-09-24 00:00:00.0
Schedule end date: Not reported

RCRA-TSDF:

Date form received by agency: 2017-02-17 00:00:00.0
Facility name: CROSBY & OVERTON
Facility address: 1630 W. 17TH STREET
LONG BEACH, CA 90813-0000
EPA ID: CAD028409019
Mailing address: W. 17TH STREET
CA90813 CA037US 1630
LONG BEACH, CA 90813
Contact: MICHAEL SHLOUB
Contact address: W 17TH ST
LONG BEACH, CA 90813
Contact country: US
Contact telephone: 562-432-5445
Telephone ext.: 222

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Contact email: MSHLOUB@CROSBYOVERTON.COM
EPA Region: 09
Land type: Private
Classification: TSDF
Description: Handler is engaged in the treatment, storage or disposal of hazardous waste

Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name: CROSBY & OVERTON
Owner/operator address: W. 17TH STREET
LONG BEACH, CA 90813

Owner/operator country: US
Owner/operator telephone: 562-432-5445
Owner/operator email: MSHLOUB@CROSBYOVERTON.COM
Owner/operator fax: Not reported
Owner/operator extension: 222
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 1959-08-29 00:00:00.
Owner/Op end date: Not reported

Owner/operator name: CROSBY & OVERTON
Owner/operator address: W. 17TH STREET
LONG BEACH, CA 90813

Owner/operator country: US
Owner/operator telephone: 562-432-5445
Owner/operator email: MSHLOUB@CROSBYOVERTON.COM
Owner/operator fax: Not reported
Owner/operator extension: 222
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 1959-08-29 00:00:00.
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: Yes
Treater, storer or disposer of HW: Yes
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No

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Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 2016-10-26 00:00:00.0
Site name: CROSBY & OVERTON, INC
Classification: Large Quantity Generator

Date form received by agency: 2014-03-01 00:00:00.0
Site name: CROSBY & OVERTON
Classification: Large Quantity Generator

Date form received by agency: 2012-11-05 00:00:00.0
Site name: CROSBY & OVERTON
Classification: Large Quantity Generator

Date form received by agency: 2010-09-28 00:00:00.0
Site name: CROSBY & OVERTON
Classification: Large Quantity Generator

Date form received by agency: 2007-04-01 00:00:00.0
Site name: CROSBY AND OVERTON PLANT # 1
Classification: Large Quantity Generator

Date form received by agency: 2006-02-28 00:00:00.0
Site name: CROSBY AND OVERTON
Classification: Large Quantity Generator

Date form received by agency: 2003-04-23 00:00:00.0
Site name: CROSBY & OVERTON
Classification: Large Quantity Generator

Date form received by agency: 2002-05-03 00:00:00.0
Site name: CROSBY & OVERTON
Classification: Large Quantity Generator

Date form received by agency: 2001-03-16 00:00:00.0
Site name: CROSBY & OVERTON, INC.
Classification: Large Quantity Generator

Date form received by agency: 1999-04-15 00:00:00.0
Site name: CROSBY & OVERTON, INC.
Classification: Not a generator, verified

Date form received by agency: 1996-09-01 00:00:00.0
Site name: CROSBY & OVERTON PLT NO 1
Classification: Large Quantity Generator

Date form received by agency: 1996-08-16 00:00:00.0
Site name: CROSBY AND OVERTON INC
Classification: Large Quantity Generator

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Date form received by agency: 1994-03-31 00:00:00.0
Site name: CROSBY & OVERTON PLANT #1
Classification: Large Quantity Generator

Date form received by agency: 1992-02-28 00:00:00.0
Site name: CROSBY & OVERTON - PLANT #1
Classification: Large Quantity Generator

Date form received by agency: 1990-10-26 00:00:00.0
Site name: CROSBY & OVERTON, INC.
Classification: Large Quantity Generator

Date form received by agency: 1980-07-18 00:00:00.0
Site name: CROSBY & OVERTON PLT NO 1
Classification: Large Quantity Generator

Hazardous Waste Summary:

- . Waste code: 121
- . Waste name: Alkaline solution (pH >12.5) with metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc)

- . Waste code: 122
- . Waste name: Alkaline solution without metals (pH > 12.5)

- . Waste code: 123
- . Waste name: Unspecified alkaline solution

- . Waste code: 131
- . Waste name: Aqueous solution (2 < pH < 12.5) containing reactive anions (azide, bromate, chlorate, cyanide, fluoride, hypochlorite, nitrite, perchlorate, and sulfide anions)

- . Waste code: 132
- . Waste name: Aqueous solution w/metals (< restricted levels and see waste code 121 for a list of metals)

- . Waste code: 133
- . Waste name: Aqueous solution with 10% or more total organic residues

- . Waste code: 134
- . Waste name: Aqueous solution with <10% total organic residues

- . Waste code: 135
- . Waste name: Unspecified aqueous solution

- . Waste code: 141
- . Waste name: Off-specification, aged, or surplus inorganics

- . Waste code: 151
- . Waste name: Asbestos-containing waste

- . Waste code: 161
- . Waste name: Fluid-cracking catalyst (FCC) waste

- . Waste code: 171

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- . Waste name: Metal sludge (see 121)
- . Waste code: 172
- . Waste name: Metal dust (see 121) and machining waste
- . Waste code: 181
- . Waste name: Other inorganic solid waste
- . Waste code: 211
- . Waste name: Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.)
- . Waste code: 212
- . Waste name: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
- . Waste code: 213
- . Waste name: Hydrocarbon solvents (benzene, hexane, Stoddard, etc.)
- . Waste code: 214
- . Waste name: Unspecified solvent mixture
- . Waste code: 221
- . Waste name: Waste oil and mixed oil
- . Waste code: 222
- . Waste name: Oil/water separation sludge
- . Waste code: 223
- . Waste name: Unspecified oil-containing waste
- . Waste code: 231
- . Waste name: Pesticide rinse water
- . Waste code: 232
- . Waste name: Pesticides and other waste associated with pesticide production
- . Waste code: 241
- . Waste name: Tank bottom waste
- . Waste code: 251
- . Waste name: Still bottoms with halogenated organics
- . Waste code: 252
- . Waste name: Other still bottom waste
- . Waste code: 261
- . Waste name: Polychlorinated biphenyls and material containing PCB's
- . Waste code: 271
- . Waste name: Organic monomer waste (includes unreacted resins)
- . Waste code: 272
- . Waste name: Polymeric resin waste
- . Waste code: 281
- . Waste name: Adhesives

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- . Waste code: 291
- . Waste name: Latex waste

- . Waste code: 311
- . Waste name: Pharmaceutical waste

- . Waste code: 331
- . Waste name: Off-specification, aged, or surplus organics

- . Waste code: 341
- . Waste name: Organic liquids (nonsolvents) with halogens

- . Waste code: 342
- . Waste name: Organic liquids with metals (see 121)

- . Waste code: 343
- . Waste name: Unspecified organic liquid mixture

- . Waste code: 351
- . Waste name: Organic solids with halogens

- . Waste code: 352
- . Waste name: Other organic solids

- . Waste code: 411
- . Waste name: Alum and gypsum sludge

- . Waste code: 421
- . Waste name: Lime sludge

- . Waste code: 431
- . Waste name: Phosphate sludge

- . Waste code: 441
- . Waste name: Sulfur sludge

- . Waste code: 451
- . Waste name: Degreasing sludge

- . Waste code: 461
- . Waste name: Degreasing sludge

- . Waste code: 481
- . Waste name: Tetraethyl lead sludge

- . Waste code: 491
- . Waste name: Unspecified sludge waste

- . Waste code: 511
- . Waste name: Empty pesticide containers 30 gallons or more

- . Waste code: 512
- . Waste name: Other empty containers 30 gallons or more

- . Waste code: 513
- . Waste name: Empty containers less than 30 gallons

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. Waste code:	521
. Waste name:	Drilling mud
. Waste code:	541
. Waste name:	Photochemicals / photo processing waste
. Waste code:	551
. Waste name:	Laboratory waste chemicals
. Waste code:	561
. Waste name:	Detergent and soap
. Waste code:	571
. Waste name:	Fly ash, bottom ash, and retort ash
. Waste code:	591
. Waste name:	Baghouse waste
. Waste code:	611
. Waste name:	Contaminated soil from site clean-ups
. Waste code:	612
. Waste name:	Household waste
. Waste code:	724
. Waste name:	Liquids with lead > 500 mg/l
. Waste code:	725
. Waste name:	Liquids with mercury > 20 mg/l
. Waste code:	741
. Waste name:	Liquids with halogenated organic compounds > 1000 mg/l
. Waste code:	751
. Waste name:	Solids or sludge with halogenated organic comp. > 1000 mg/kg
. Waste code:	791
. Waste name:	Liquids with pH < 2
. Waste code:	792
. Waste name:	Liquids with pH < 2 with metals
. Waste code:	D001
. Waste name:	IGNITABLE WASTE
. Waste code:	D002
. Waste name:	CORROSIVE WASTE
. Waste code:	D003
. Waste name:	REACTIVE WASTE
. Waste code:	D004
. Waste name:	ARSENIC
. Waste code:	D005
. Waste name:	BARIUM

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. Waste code:	D006
. Waste name:	CADMIUM
. Waste code:	D007
. Waste name:	CHROMIUM
. Waste code:	D008
. Waste name:	LEAD
. Waste code:	D009
. Waste name:	MERCURY
. Waste code:	D010
. Waste name:	SELENIUM
. Waste code:	D011
. Waste name:	SILVER
. Waste code:	D012
. Waste name:	ENDRIN (1,2,3,4,10,10-HEXACHLORO-1,7-EPOXY-1,4,4A,5,6,7,8,8A-OCTAHYDRO-1,4-EN DO, ENDO-5,8-DIMETH-ANO-NAPHTHALENE)
. Waste code:	D013
. Waste name:	LINDANE (1,2,3,4,5,6-HEXA-CHLOROCYCLOHEXANE, GAMMA ISOMER)
. Waste code:	D014
. Waste name:	METHOXYCHLOR (1,1,1-TRICHLORO-2,2-BIS [P-METHOXYPHENYL] ETHANE)
. Waste code:	D015
. Waste name:	TOXAPHENE (C10 H10 CL8, TECHNICAL CHLORINATED CAMPHENE, 67-69 PERCENT CHLORINE)
. Waste code:	D016
. Waste name:	2,4-D (2,4-DICHLOROPHENOXYACETIC ACID)
. Waste code:	D017
. Waste name:	2,4,5-TP SILVEX (2,4,5-TRICHLOROPHENOXYPROPIONIC ACID)
. Waste code:	D018
. Waste name:	BENZENE
. Waste code:	D019
. Waste name:	CARBON TETRACHLORIDE
. Waste code:	D020
. Waste name:	CHLORDANE
. Waste code:	D021
. Waste name:	CHLOROBENZENE
. Waste code:	D022
. Waste name:	CHLOROFORM
. Waste code:	D023
. Waste name:	O-CRESOL

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. Waste code:	D024
. Waste name:	M-CRESOL
. Waste code:	D025
. Waste name:	P-CRESOL
. Waste code:	D026
. Waste name:	CRESOL
. Waste code:	D027
. Waste name:	1,4-DICHLOROBENZENE
. Waste code:	D028
. Waste name:	1,2-DICHLOROETHANE
. Waste code:	D029
. Waste name:	1,1-DICHLOROETHYLENE
. Waste code:	D030
. Waste name:	2,4-DINITROTOLUENE
. Waste code:	D031
. Waste name:	HEPTACHLOR (AND ITS EPOXIDE)
. Waste code:	D032
. Waste name:	HEXACHLOROBENZENE
. Waste code:	D033
. Waste name:	HEXACHLOROBUTADIENE
. Waste code:	D034
. Waste name:	HEXACHLOROETHANE
. Waste code:	D035
. Waste name:	METHYL ETHYL KETONE
. Waste code:	D036
. Waste name:	NITROBENZENE
. Waste code:	D037
. Waste name:	PENTACHLOROPHENOL
. Waste code:	D038
. Waste name:	PYRIDINE
. Waste code:	D039
. Waste name:	TETRACHLOROETHYLENE
. Waste code:	D040
. Waste name:	TRICHLORETHYLENE
. Waste code:	D041
. Waste name:	2,4,5-TRICHLOROPHENOL
. Waste code:	D042
. Waste name:	2,4,6-TRICHLOROPHENOL

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- . Waste code: D043
- . Waste name: VINYL CHLORIDE

- . Waste code: F001
- . Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

- . Waste code: F002
- . Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

- . Waste code: F003
- . Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

- . Waste code: F004
- . Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: CRESOLS, CRESYLIC ACID, AND NITROBENZENE; AND THE STILL BOTTOMS FROM THE RECOVERY OF THESE SOLVENTS; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

- . Waste code: F005
- . Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

- . Waste code: F006
- . Waste name: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS, EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM;

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(2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC, AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

- . Waste code: F007
- . Waste name: SPENT CYANIDE PLATING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS.

- . Waste code: F008
- . Waste name: PLATING BATH RESIDUES FROM THE BOTTOM OF PLATING BATHS FROM ELECTROPLATING OPERATIONS IN WHICH CYANIDES ARE USED IN THE PROCESS.

- . Waste code: F009
- . Waste name: SPENT STRIPPING AND CLEANING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS IN WHICH CYANIDES ARE USED IN THE PROCESS.

- . Waste code: F010
- . Waste name: QUENCHING BATH RESIDUES FROM OIL BATHS FROM METAL HEAT TREATING OPERATIONS IN WHICH CYANIDES ARE USED IN THE PROCESS.

- . Waste code: F011
- . Waste name: SPENT CYANIDE SOLUTIONS FROM SLAT BATH POT CLEANING FROM METAL HEAT TREATING OPERATIONS.

- . Waste code: F012
- . Waste name: QUENCHING WASTEWATER TREATMENT SLUDGES FROM METAL HEAT TREATING OPERATIONS IN WHICH CYANIDES ARE USED IN THE PROCESS.

- . Waste code: F019
- . Waste name: WASTEWATER TREATMENT SLUDGES FROM THE CHEMICAL CONVERSION COATING OF ALUMINUM, EXCEPT FROM ZIRCONIUM PHOSPHATING IN ALUMINUM CAN WASHING WHEN SUCH PHOSPHATING IS AN EXCLUSIVE CONVERSION COATING PROCESS.

- . Waste code: F020
- . Waste name: WASTES (EXCEPT WASTEWATER AND SPENT CARBON FROM HYDROGEN CHLORIDE PURIFICATION) FROM THE PRODUCTION OR MANUFACTURING USE (AS A REACTANT, CHEMICAL INTERMEDIATE, OR COMPONENT IN A FORMULATING PROCESS) OF TRI- OR TETRACHLOROPHENOL OR OF INTERMEDIATES USED TO PRODUCE THEIR PESTICIDE DERIVATIVES. (THIS LISTING DOES NOT INCLUDE WASTES FROM THE PRODUCTION OF HEXACHLOROPHENE FROM HIGHLY PURIFIED 2,4,5-TRICHLOROPHENOL.)

- . Waste code: F021
- . Waste name: WASTES (EXCEPT WASTEWATER AND SPENT CARBON FROM HYDROGEN CHLORIDE PURIFICATION) FROM THE PRODUCTION OR MANUFACTURING USE (AS A REACTANT, CHEMICAL INTERMEDIATE, OR COMPONENT IN A FORMULATING PROCESS) OF PENTACHLOROPHENOL, OR OF INTERMEDIATES USED TO PRODUCE DERIVATIVES.

- . Waste code: F022
- . Waste name: WASTES (EXCEPT WASTEWATER AND SPENT CARBON FROM HYDROGEN CHLORIDE PURIFICATION) FROM THE MANUFACTURING USE (AS A REACTANT, CHEMICAL INTERMEDIATE, OR COMPONENT IN A FORMULATING PROCESS) OF TETRA-, PENTA-, OR HEXACHLOROBENZENES UNDER ALKALINE CONDITIONS.

- . Waste code: F023
- . Waste name: WASTES (EXCEPT WASTEWATER AND SPENT CARBON FROM HYDROGEN CHLORIDE

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PURIFICATION) FROM THE PRODUCTION OF MATERIALS ON EQUIPMENT PREVIOUSLY USED FOR THE PRODUCTION OR MANUFACTURING USE (AS A REACTANT, CHEMICAL INTERMEDIATE, OR COMPONENT IN A FORMULATING PROCESS) OF TRI- AND TETRACHLOROPHENOLS. (THIS LISTING DOES NOT INCLUDE WASTES FROM EQUIPMENT USED ONLY FOR THE PRODUCTION OR USE OF HEXACHLOROPHENE FROM HIGHLY PURIFIED 2,4,5-TRICHLOROPHENOL.)

. Waste code: F024

. Waste name: PROCESS WASTES INCLUDING, BUT NOT LIMITED TO, DISTILLATION RESIDUES, HEAVY ENDS, TARS, AND REACTOR CLEAN-OUT WASTES FROM THE PRODUCTION OF CERTAIN CHLORINATED ALIPHATIC HYDROCARBONS BY FREE RADICAL CATALYZED PROCESSES. THESE CHLORINATED ALIPHATIC HYDROCARBONS ARE THOSE HAVING CARBON CHAIN LENGTHS RANGING FROM ONE TO, AND INCLUDING FIVE, WITH VARYING AMOUNTS AND POSITIONS OF CHLORINE SUBSTITUTION. (THIS LISTING DOES NOT INCLUDE WASTEWATERS, WASTEWATER TREATMENT SLUDGE, SPENT CATALYSTS, AND WASTES LISTED IN SECTIONS 261.31. OR 261.32)

. Waste code: F025

. Waste name: CONDENSED LIGHT ENDS, SPENT FILTERS AND FILTER AIDS, AND SPENT DESICCANT WASTES FROM THE PRODUCTION OF CERTAIN CHLORINATED ALIPHATIC HYDROCARBONS BY FREE RADICAL CATALYZED PROCESSES. THESE CHLORINATED ALIPHATIC HYDROCARBONS ARE THOSE HAVING CARBON CHAIN LENGTHS RANGING FROM ONE TO, AND INCLUDING FIVE, WITH VARYING AMOUNTS AND POSITIONS OF CHLORINE SUBSTITUTION.

. Waste code: F026

. Waste name: WASTES (EXCEPT WASTEWATER AND SPENT CARBON FROM HYDROGEN CHLORIDE PURIFICATION) FROM THE PRODUCTION OF MATERIALS ON EQUIPMENT PREVIOUSLY USED FOR THE MANUFACTURING USE (AS A REACTANT, CHEMICAL INTERMEDIATE, OR COMPONENT IN A FORMULATING PROCESS) OF TETRA-, PENTA-, OR HEXACHLOROBENZENE UNDER ALKALINE CONDITIONS.

. Waste code: F027

. Waste name: DISCARDED UNUSED FORMULATIONS CONTAINING TRI-, TETRA-, OR PENTACHLOROPHENOL OR DISCARDED UNUSED FORMULATIONS CONTAINING COMPOUNDS DERIVED FROM THESE CHLOROPHENOLS. (THIS LISTING DOES NOT INCLUDE FORMULATIONS CONTAINING HEXACHLOROPHENE SYNTHESIZED FROM PREPURIFIED 2,4,5-TRICHLOROPHENOL AS THE SOLE COMPONENT.)

. Waste code: F028

. Waste name: RESIDUES RESULTING FROM THE INCINERATION OR THERMAL TREATMENT OF SOIL CONTAMINATED WITH EPA HAZARDOUS WASTE NOS. F020, F021, F022, F023, F026, AND F027.

. Waste code: F032

. Waste name: WASTEWATERS, PROCESS RESIDUALS, PRESERVATIVE DRIPPAGE, AND SPENT FORMULATIONS FROM WOOD PRESERVING PROCESSES GENERATED AT PLANTS THAT CURRENTLY USE, OR HAVE PREVIOUSLY USED, CHLOROPHENOLIC FORMULATIONS [EXCEPT POTENTIALLY CROSS-CONTAMINATED WASTES THAT HAVE HAD THE F032 WASTE CODE DELETED IN ACCORDANCE WITH SECTION 261.35 (I.E., THE NEWLY PROMULGATED EQUIPMENT CLEANING OR REPLACEMENT STANDARDS), AND WHERE THE GENERATOR DOES NOT RESUME OR INITIATE USE OF CHLOROPHENOLIC FORMULATIONS]. (THIS LISTING DOES NOT INCLUDE K001 BOTTOM SEDIMENT SLUDGE FROM THE TREATMENT OF WASTEWATER FROM WOOD PRESERVING PROCESSES THAT USE CREOSOTE AND/OR PENTACHLOROPHENOL.)

. Waste code: F034

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- . Waste name: WASTEWATERS, PROCESS RESIDUALS, PRESERVATIVE DRIPPAGE, AND SPENT FORMULATIONS FROM WOOD PRESERVING PROCESSES GENERATED AT PLANTS THAT USE CREOSOTE FORMULATIONS. THIS LISTING DOES NOT INCLUDE K001 BOTTOM SEDIMENT SLUDGE FROM THE TREATMENT OF WASTEWATER FROM WOOD PRESERVING PROCESSES THAT USE CREOSOTE AND/OR PENTACHLOROPHENOL.
- . Waste code: F035
- . Waste name: WASTEWATERS, PROCESS RESIDUALS, PRESERVATIVE DRIPPAGE, AND SPENT FORMULATIONS FROM WOOD PRESERVING PROCESSES GENERATED AT PLANTS THAT USE INORGANIC PRESERVATIVES CONTAINING ARSENIC OR CHROMIUM. THIS LISTING DOES NOT INCLUDE K001 BOTTOM SEDIMENT SLUDGE FROM THE TREATMENT OF WASTEWATER FROM WOOD PRESERVING PROCESSES THAT USE CREOSOTE AND/OR PENTACHLOROPHENOL.
- . Waste code: F037
- . Waste name: PETROLEUM REFINERY PRIMARY OIL/WATER/SOLIDS SEPARATION SLUDGE - ANY SLUDGE GENERATED FROM THE GRAVITATIONAL SEPARATION OF OIL/WATER/SOLIDS DURING THE STORAGE OR TREATMENT OF PROCESS WASTEWATERS AND OILY COOLING WASTEWATERS FROM PETROLEUM REFINERIES. SUCH SLUDGES INCLUDE, BUT ARE NOT LIMITED TO, THOSE GENERATED IN OIL/WATER/SOLIDS SEPARATORS; TANKS AND IMPOUNDMENTS; DITCHES AND OTHER CONVEYANCES; SUMPS; AND STORM WATER UNITS RECEIVING DRY WEATHER FLOW. SLUDGES GENERATED IN STORM WATER UNITS THAT DO NOT RECEIVE DRY WEATHER FLOW, SLUDGES GENERATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS AS DEFINED IN SECTION 261.31(B)(2) (INCLUDING SLUDGES GENERATED IN ONE OR MORE ADDITIONAL UNITS AFTER WASTEWATERS HAVE BEEN TREATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS), AND K051 WASTES ARE EXEMPTED FROM THIS LISTING.
- . Waste code: F038
- . Waste name: PETROLEUM REFINERY SECONDARY (EMULSIFIED) OIL/WATER/SOLIDS SEPARATION SLUDGE - ANY SLUDGE AND/OR FLOAT GENERATED FROM THE PHYSICAL AND/OR CHEMICAL SEPARATION OF OIL/WATER/SOLIDS IN PROCESS WASTEWATERS AND OILY COOLING WASTEWATERS FROM PETROLEUM REFINERIES. SUCH WASTES INCLUDE, BUT ARE NOT LIMITED TO, ALL SLUDGES AND FLOATS GENERATED IN INDUCED AIR FLOTATION (IAF) UNITS, TANKS AND IMPOUNDMENTS, AND ALL SLUDGES GENERATED IN DAF UNITS. SLUDGES GENERATED IN STORMWATER UNITS THAT DO NOT RECEIVE DRY WEATHER FLOW, SLUDGES GENERATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS AS DEFINED IN SECTION 261.31(B)(2) (INCLUDING SLUDGES GENERATED IN ONE OR MORE ADDITIONAL UNITS AFTER WASTEWATERS HAVE BEEN TREATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS), AND F037, K048, AND K051 WASTES ARE EXEMPTED FROM THIS LISTING.
- . Waste code: F039
- . Waste name: LEACHATE RESULTING FROM THE TREATMENT, STORAGE, OR DISPOSAL OF WASTES CLASSIFIED BY MORE THAN ONE WASTE CODE UNDER SUBPART D, OR FROM A MIXTURE OF WASTES CLASSIFIED UNDER SUBPARTS C AND D OF THIS PART. (LEACHATE RESULTING FROM THE MANAGEMENT OF ONE OR MORE OF THE FOLLOWING EPA HAZARDOUS WASTES AND NO OTHER HAZARDOUS WASTES RETAINS ITS HAZARDOUS WASTE CODE(S): F020, F021, F022, F023, F026, F027, AND/OR F028.)
- . Waste code: K001
- . Waste name: BOTTOM SEDIMENT SLUDGE FROM THE TREATMENT OF WASTEWATERS FROM WOOD PRESERVING PROCESSES THAT USE CREOSOTE AND/OR PENTACHLOROPHENOL.

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- . Waste code: K002
- . Waste name: WASTEWATER TREATMENT SLUDGE FROM THE PRODUCTION OF CHROME YELLOW AND ORANGE PIGMENTS.

- . Waste code: K003
- . Waste name: WASTEWATER TREATMENT SLUDGE FROM THE PRODUCTION OF MOLYBDATE ORANGE PIGMENTS.

- . Waste code: K004
- . Waste name: WASTEWATER TREATMENT SLUDGE FROM THE PRODUCTION OF ZINC YELLOW PIGMENTS.

- . Waste code: K005
- . Waste name: WASTEWATER TREATMENT SLUDGE FROM THE PRODUCTION OF CHROME GREEN PIGMENTS.

- . Waste code: K006
- . Waste name: WASTEWATER TREATMENT SLUDGE FROM THE PRODUCTION OF CHROME OXIDE GREEN PIGMENTS (ANHYDROUS AND HYDRATED).

- . Waste code: K007
- . Waste name: WASTEWATER TREATMENT SLUDGE FROM THE PRODUCTION OF IRON BLUE PIGMENTS.

- . Waste code: K008
- . Waste name: OVEN RESIDUE FROM THE PRODUCTION OF CHROME OXIDE GREEN PIGMENTS.

- . Waste code: K009
- . Waste name: DISTILLATION BOTTOMS FROM THE PRODUCTION OF ACETALDEHYDE FROM ETHYLENE.

- . Waste code: K010
- . Waste name: DISTILLATION SIDE CUTS FROM THE PRODUCTION OF ACETALDEHYDE FROM ETHYLENE.

- . Waste code: K011
- . Waste name: BOTTOM STREAM FROM THE WASTEWATER STRIPPER IN THE PRODUCTION OF ACRYLONITRILE.

- . Waste code: K013
- . Waste name: BOTTOM STREAM FROM THE ACETONITRILE COLUMN IN THE PRODUCTION OF ACRYLONITRILE.

- . Waste code: K014
- . Waste name: BOTTOMS FROM THE ACETONITRILE PURIFICATION COLUMN IN THE PRODUCTION OF ACRYLONITRILE.

- . Waste code: K015
- . Waste name: STILL BOTTOMS FROM THE DISTILLATION OF BENZYL CHLORIDE.

- . Waste code: K016
- . Waste name: HEAVY ENDS OR DISTILLATION RESIDUES FROM THE PRODUCTION OF CARBON TETRACHLORIDE.

- . Waste code: K017
- . Waste name: HEAVY ENDS (STILL BOTTOMS) FROM THE PURIFICATION COLUMN IN THE PRODUCTION OF EPICHLOROHYDRIN.

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- . Waste code: K018
- . Waste name: HEAVY ENDS FROM THE FRACTIONATION COLUMN IN ETHYL CHLORIDE PRODUCTION.
- . Waste code: K019
- . Waste name: HEAVY ENDS FROM THE DISTILLATION OF ETHYLENE DICHLORIDE IN ETHYLENE DICHLORIDE PRODUCTION.
- . Waste code: K020
- . Waste name: HEAVY ENDS FROM THE DISTILLATION OF VINYL CHLORIDE IN VINYL CHLORIDE MONOMER PRODUCTION.
- . Waste code: K021
- . Waste name: AQUEOUS SPENT ANTIMONY CATALYST WASTE FROM FLUOROMETHANE PRODUCTION.
- . Waste code: K022
- . Waste name: DISTILLATION BOTTOM TARS FROM THE PRODUCTION OF PHENOL/ACETONE FROM CUMENE.
- . Waste code: K023
- . Waste name: DISTILLATION LIGHT ENDS FROM THE PRODUCTION OF PHTHALIC ANHYDRIDE FROM NAPHTHALENE.
- . Waste code: K024
- . Waste name: DISTILLATION BOTTOMS FROM THE PRODUCTION OF PHTHALIC ANHYDRIDE FROM NAPHTHALENE.
- . Waste code: K025
- . Waste name: DISTILLATION BOTTOMS FROM THE PRODUCTION OF NITROBENZENE BY THE NITRATION OF BENZENE.
- . Waste code: K026
- . Waste name: STRIPPING STILL TAILS FROM THE PRODUCTION OF METHYL ETHYL PYRIDINES.
- . Waste code: K027
- . Waste name: CENTRIFUGE AND DISTILLATION RESIDUES FROM TOLUENE DIISOCYANATE PRODUCTION.
- . Waste code: K028
- . Waste name: SPENT CATALYST FROM THE HYDROCHLORINATOR REACTOR IN THE PRODUCTION OF 1,1,1-TRICHLOROETHANE.
- . Waste code: K029
- . Waste name: WASTE FROM THE PRODUCT STEAM STRIPPER IN THE PRODUCTION OF 1,1,1-TRICHLOROETHANE.
- . Waste code: K030
- . Waste name: COLUMN BOTTOMS OR HEAVY ENDS FROM THE COMBINED PRODUCTION OF TRICHLOROETHYLENE AND PERCHLOROETHYLENE.
- . Waste code: K031
- . Waste name: BY-PRODUCT SALTS GENERATED IN THE PRODUCTION OF MSMA AND CACODYLIC ACID.
- . Waste code: K032
- . Waste name: WASTEWATER TREATMENT SLUDGE FROM THE PRODUCTION OF CHLORDANE.
- . Waste code: K033

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- . Waste name: WASTEWATER AND SCRUB WATER FROM THE CHLORINATION OF CYCLOPENTADIENE IN THE PRODUCTION OF CHLORDANE.
- . Waste code: K034
- . Waste name: FILTER SOLIDS FROM THE FILTRATION OF HEXACHLOROCYCLOPENTADIENE IN THE PRODUCTION OF CHLORDANE.
- . Waste code: K035
- . Waste name: WASTEWATER TREATMENT SLUDGES GENERATED IN THE PRODUCTION OF CREOSOTE.
- . Waste code: K036
- . Waste name: STILL BOTTOMS FROM TOLUENE RECLAMATION DISTILLATION IN THE PRODUCTION OF DISULFOTON.
- . Waste code: K037
- . Waste name: WASTEWATER TREATMENT SLUDGES FROM THE PRODUCTION OF DISULFOTON.
- . Waste code: K038
- . Waste name: WASTEWATER FROM THE WASHING AND STRIPPING OF PHORATE PRODUCTION.
- . Waste code: K039
- . Waste name: FILTER CAKE FROM THE FILTRATION OF DIETHYLPHOSPHORODITHIOIC ACID IN THE PRODUCTION OF PHORATE.
- . Waste code: K040
- . Waste name: WASTEWATER TREATMENT SLUDGE FROM THE PRODUCTION OF PHORATE.
- . Waste code: K041
- . Waste name: WASTEWATER TREATMENT SLUDGE FROM THE PRODUCTION OF TOXAPHENE.
- . Waste code: K042
- . Waste name: HEAVY ENDS OR DISTILLATION RESIDUES FROM THE DISTILLATION OF TETRACHLOROBENZENE IN THE PRODUCTION OF 2,4,5-T.
- . Waste code: K043
- . Waste name: 2,6-DICHLOROPHENOL WASTE FROM THE PRODUCTION OF 2,4-D.
- . Waste code: K046
- . Waste name: WASTEWATER TREATMENT SLUDGES FROM THE MANUFACTURING, FORMULATION, AND LOADING OF LEAD-BASED INITIATING COMPOUNDS.
- . Waste code: K048
- . Waste name: DISSOLVED AIR FLOTATION (DAF) FLOAT FROM THE PETROLEUM REFINING INDUSTRY.
- . Waste code: K049
- . Waste name: SLOP OIL EMULSION SOLIDS FROM THE PETROLEUM REFINING INDUSTRY.
- . Waste code: K050
- . Waste name: HEAT EXCHANGER BUNDLE CLEANING SLUDGE FROM THE PETROLEUM REFINING INDUSTRY.
- . Waste code: K051
- . Waste name: API SEPARATOR SLUDGE FROM THE PETROLEUM REFINING INDUSTRY.
- . Waste code: K052
- . Waste name: TANK BOTTOMS (LEADED) FROM THE PETROLEUM REFINING INDUSTRY.

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- . Waste code: K060
- . Waste name: AMMONIA STILL LIME SLUDGE FROM COKING OPERATIONS.

- . Waste code: K061
- . Waste name: EMISSION CONTROL DUST/SLUDGE FROM THE PRIMARY PRODUCTION OF STEEL IN ELECTRIC FURNACES.

- . Waste code: K062
- . Waste name: SPENT PICKLE LIQUOR FROM STEEL FINISHING OPERATIONS OF PLANTS THAT PRODUCE IRON OR STEEL.

- . Waste code: K069
- . Waste name: EMISSION CONTROL DUST/SLUDGE FROM SECONDARY LEAD SMELTING.

- . Waste code: K071
- . Waste name: BRINE PURIFICATION MUDS FROM THE MERCURY CELL PROCESS IN CHLORINE PRODUCTION, IN WHICH SEPARATELY PREPURIFIED BRINE IS NOT USED.

- . Waste code: K073
- . Waste name: CHLORINATED HYDROCARBON WASTE FROM THE PURIFICATION STEP OF THE DIAPHRAGM CELL PROCESS USING GRAPHITE ANODES IN CHLORINE PRODUCTION.

- . Waste code: K083
- . Waste name: DISTILLATION BOTTOMS FROM ANILINE PRODUCTION.

- . Waste code: K084
- . Waste name: WASTEWATER TREATMENT SLUDGES GENERATED DURING THE PRODUCTION OF VETERINARY PHARMACEUTICALS FROM ARSENIC OR ORGANO-ARSENIC COMPOUNDS.

- . Waste code: K085
- . Waste name: DISTILLATION OR FRACTIONATION COLUMN BOTTOMS FROM THE PRODUCTION OF CHLOROBENZENES.

- . Waste code: K086
- . Waste name: SOLVENT WASHES AND SLUDGES, CAUSTIC WASHES AND SLUDGES, OR WATER WASHES AND SLUDGES FROM CLEANING TUBS AND EQUIPMENT USED IN THE FORMULATION OF INK FROM PIGMENTS, DRIERS, SOAPS, AND STABILIZERS CONTAINING CHROMIUM AND LEAD.

- . Waste code: K087
- . Waste name: DECANter TANK TAR SLUDGE FROM COKING OPERATIONS.

- . Waste code: K088
- . Waste name: SPENT POTLINERS FROM PRIMARY ALUMINUM REDUCTION.

- . Waste code: K093
- . Waste name: DISTILLATION LIGHT ENDS FROM THE PRODUCTION OF PHTHALIC ANHYDRIDE FROM ORTHO-XYLENE.

- . Waste code: K094
- . Waste name: DISTILLATION BOTTOMS FROM THE PRODUCTION OF PHTHALIC ANHYDRIDE FROM ORTHO-XYLENE.

- . Waste code: K095
- . Waste name: DISTILLATION BOTTOMS FROM THE PRODUCTION OF 1,1,1-TRICHLOROETHANE.

- . Waste code: K096

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- . Waste name: HEAVY ENDS FROM THE HEAVY ENDS COLUMN FROM THE PRODUCTION OF 1,1,1-TRICHLOROETHANE.
- . Waste code: K097
- . Waste name: VACUUM STRIPPER DISCHARGE FROM THE CHLORDANE CHLORINATOR IN THE PRODUCTION OF CHLORDANE.
- . Waste code: K098
- . Waste name: UNTREATED PROCESS WASTEWATER FROM THE PRODUCTION OF TOXAPHENE.
- . Waste code: K099
- . Waste name: UNTREATED WASTEWATER FROM THE PRODUCTION OF 2,4-D.
- . Waste code: K100
- . Waste name: WASTE LEACHING SOLUTION FROM ACID LEACHING OF EMISSION CONTROL DUST/SLUDGE FROM SECONDARY LEAD SMELTING.
- . Waste code: K101
- . Waste name: DISTILLATION TAR RESIDUES FROM THE DISTILLATION OF ANILINE-BASED COMPOUNDS IN THE PRODUCTION OF VETERINARY PHARMACEUTICALS FROM ARSENIC OR ORGANO-ARSENIC COMPOUNDS.
- . Waste code: K102
- . Waste name: RESIDUE FROM THE USE OF ACTIVATED CARBON FOR DECOLORIZATION IN THE PRODUCTION OF VETERINARY PHARMACEUTICALS FROM ARSENIC OR ORGANO-ARSENIC COMPOUNDS.
- . Waste code: K103
- . Waste name: PROCESS RESIDUES FROM ANILINE EXTRACTION FROM THE PRODUCTION OF ANILINE.
- . Waste code: K104
- . Waste name: COMBINED WASTEWATERS GENERATED FROM NITROBENZENE/ANILINE PRODUCTION.
- . Waste code: K105
- . Waste name: SEPARATED AQUEOUS STREAM FROM THE REACTOR PRODUCT WASHING STEP IN THE PRODUCTION OF CHLOROBENZENES.
- . Waste code: K106
- . Waste name: WASTEWATER TREATMENT SLUDGE FROM THE MERCURY CELL PROCESS IN CHLORINE PRODUCTION.
- . Waste code: K107
- . Waste name: COLUMN BOTTOMS FROM PRODUCT SEPARATION FROM THE PRODUCTION OF 1,1-DIMETHYLHYDRAZINE (UDMH) FROM CARBOXYLIC ACID HYDRAZIDES.
- . Waste code: K108
- . Waste name: CONDENSED COLUMN OVERHEADS FROM PRODUCT SEPARATION AND CONDENSED REACTOR VENT GASES FROM THE PRODUCTION OF 1,1-DIMETHYLHYDRAZINE FROM CARBOXYLIC ACID HYDRAZIDES.
- . Waste code: K109
- . Waste name: SPENT FILTER CARTRIDGES FROM PRODUCT PURIFICATION FROM THE PRODUCT OF 1,1-DIMETHYLHYDRAZINE FROM CARBOXYLIC ACID HYDRAZIDES.
- . Waste code: K110
- . Waste name: CONDENSED COLUMN OVERHEADS FROM INTERMEDIATE SEPARATION FROM THE

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PRODUCTION OF 1,1-DIMETHYLHYDRAZINE FROM CARBOXYLIC ACID HYDRAZIDES.

- . Waste code: K111
- . Waste name: PRODUCT WASHWATERS FROM THE PRODUCTION OF DINITROTOLUENE VIA NITRATION OF TOLUENE.

- . Waste code: K112
- . Waste name: REACTION BY-PRODUCT WATER FROM THE DRYING COLUMN IN THE PRODUCTION OF TOLUENEDIAMINE VIA HYDROGENATION OF DINITROTOLUENE.

- . Waste code: K113
- . Waste name: CONDENSED LIQUID LIGHT ENDS FROM PURIFICATION OF TOLUENEDIAMINE IN PRODUCTION OF TOLUENEDIAMINE VIA HYDROGENATION OF DINITROTOLUENE.

- . Waste code: K114
- . Waste name: VICINALS FROM THE PURIFICATION OF TOLUENEDIAMINE IN PRODUCTION OF TOLUENEDIAMINE VIA HYDROGENATION OF DINITROTOLUENE.

- . Waste code: K115
- . Waste name: HEAVY ENDS FROM PURIFICATION OF TOLUENEDIAMINE IN THE PRODUCTION OF TOLUENEDIAMINE VIA HYDROGENATION OF DINITROTOLUENE.

- . Waste code: K116
- . Waste name: ORGANIC CONDENSATE FROM THE SOLVENT RECOVERY COLUMN IN THE PRODUCTION OF TOLUENE DIISOCYANATE VIA PHOSGENATION OF TOLUENEDIAMINE.

- . Waste code: K117
- . Waste name: WASTEWATER FROM THE REACTOR VENT GAS SCRUBBER IN THE PRODUCTION OF ETHYLENE DIBROMIDE VIA BROMINATION OF ETHENE.

- . Waste code: K118
- . Waste name: SPENT ADSORBENT SOLIDS FROM PURIFICATION OF ETHYLENE DIBROMIDE IN THE PRODUCTION OF ETHYLENE DIBROMIDE VIA BROMINATION OF ETHENE.

- . Waste code: K123
- . Waste name: PROCESS WASTEWATER (INCLUDING SUPERNATES, FILTRATES, AND WASHWATERS) FROM THE PRODUCTION OF ETHYLENEBISDITHIOCARBAMIC ACID AND ITS SALTS.

- . Waste code: K124
- . Waste name: REACTOR VENT SCRUBBER WATER FROM THE PRODUCTION OF ETHYLENEBISDITHIOCARBAMIC ACID AND ITS SALTS.

- . Waste code: K125
- . Waste name: FILTRATION, EVAPORATION, AND CENTRIFUGATION SOLIDS FROM THE PRODUCTION OF ETHYLENEBISDITHIOCARBAMIC ACID AND ITS SALTS.

- . Waste code: K126
- . Waste name: BAGHOUSE DUST AND FLOOR SWEEPINGS IN MILLING AND PACKAGING OPERATIONS FROM PRODUCTION OR FORMULATION OF ETHYLENEBISDITHIOCARBAMIC ACID AND ITS SALTS.

- . Waste code: K131
- . Waste name: WASTEWATER FROM THE REACTOR AND SPENT SULFURIC ACID FROM THE ACID DRYER FROM THE PRODUCTION OF METHYL BROMIDE.

- . Waste code: K132
- . Waste name: SPENT ABSORBENT AND WASTEWATER SEPARATOR SOLIDS FROM THE PRODUCTION OF

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METHYL BROMIDE.

- . Waste code: K136
- . Waste name: STILL BOTTOMS FROM THE PURIFICATION OF ETHYLENE DIBROMIDE IN THE PRODUCTION OF ETHYLENE DIBROMIDE VIA BROMINATION OF ETHENE.

- . Waste code: K141
- . Waste name: PROCESS RESIDUES FROM THE RECOVERY OF COAL TAR, INCLUDING, BUT NOT LIMITED TO, TAR COLLECTING SUMP RESIDUES FROM THE PRODUCTION OF COKE FROM COAL OR THE RECOVERY OF COKE BY-PRODUCTS PRODUCED FROM COAL. THIS LISTING DOES NOT INCLUDE K087 (DECANTER TANK SLUDGE FROM COKING OPERATIONS).

- . Waste code: K142
- . Waste name: TANK STORAGE RESIDUES FROM THE PRODUCTION OF COKE FROM COAL OR FROM THE RECOVERY OF COKE BY-PRODUCTS FROM COAL.

- . Waste code: K143
- . Waste name: PROCESS RESIDUES FROM THE RECOVERY OF LIGHT OIL, INCLUDING, BUT NOT LIMITED TO, THOSE GENERATED IN STILLs, DECANTERS, AND WASH OIL RECOVERY UNITS FROM THE RECOVERY OF COKE BY-PRODUCTS PRODUCED FROM COAL.

- . Waste code: K144
- . Waste name: WASTEWATER SUMP RESIDUES FROM LIGHT OIL REFINING, INCLUDING, BUT NOT LIMITED TO, INTERCEPTING OR CONTAMINATION SUMP SLUDGES FROM THE RECOVERY OF COKE BY-PRODUCTS PRODUCED FROM COAL.

- . Waste code: K145
- . Waste name: RESIDUES FROM NAPHTHALENE COLLECTION AND RECOVERY OPERATIONS FROM THE RECOVERY OF COKE BY-PRODUCTS PRODUCED FROM COAL.

- . Waste code: K147
- . Waste name: TAR STORAGE RESIDUES FROM COAL TAR REFINING.

- . Waste code: K148
- . Waste name: RESIDUES FROM COAL TAR DISTILLATION, INCLUDING, BUT NOT LIMITED TO, STILL BOTTOMS.

- . Waste code: K149
- . Waste name: DISTILLATION BOTTOMS FROM THE PRODUCTION OF ALPHA (OR METHYL-) CHLORINATED TOLUNES, RING-CHLORINATED TOLUNES, BENZOYL CHLORIDES, AND COMPOUNDS WITH MIXTURES OF THESE FUNCTIONAL GROUPS. [THIS WASTE DOES NOT INCLUDE STILL BOTTOMS FROM THE DISTILLATION OF BENZOYL CHLORIDE]

- . Waste code: K150
- . Waste name: ORGANIC RESIDUES EXCLUDING SPENT CARBON ADSORBENT, FROM THE SPENT CHLORINE GAS AND HYDROCHLORIC ACID RECOVERY PROCESSES ASSOCIATED WITH THE PRODUCTION OF ALPHA (OR METHYL-) CHLORINATED TOLUNES, BENZOYL CHLORIDES, AND COMPOUNDS WITH MIXTURES OF THESE FUNCTIONAL GROUPS.

- . Waste code: K151
- . Waste name: WASTEWATER TREATMENT SLUDGES, EXCLUDING NEUTRALIZATION AND BIOLOGICAL SLUDGES, GENERATED DURING THE TREATMENT OF WASTEWATERS FROM THE PRODUCTION OF ALPHA (OR METHYL-) CHLORINATED TOLUNES, BENZOYL CHLORIDES, AND COMPOUNDS WITH MIXTURES OF THESE FUNCTIONAL GROUPS.

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- . Waste code: K156
- . Waste name: ORGANIC WASTE (INCLUDING HEAVY ENDS, STILL BOTTOMS, LIGHT ENDS, SPENT SOLVENTS, FILTRATES, AND DECANTATES) FROM THE PRODUCTION OF CARBAMATES AND CARBAMOYL OXIMES.

- . Waste code: K157
- . Waste name: WASTEWATERS (INCLUDING SCRUBBER WATERS, CONDENSER WATERS, WASHWATERS, AND SEPARATION WATERS) FROM THE PRODUCTION OF CARBAMATES AND CARBAMOYL OXIMES.

- . Waste code: K158
- . Waste name: BAG HOUSE DUSTS AND FILTER/SEPARATION SOLIDS FROM THE PRODUCTION OF CARBAMATES AND CARBAMOYL OXIMES.

- . Waste code: K159
- . Waste name: ORGANICS FROM THE TREATMENT OF THIOCARBAMATE WASTES.

- . Waste code: K161
- . Waste name: PURIFICATION SOLIDS (INCLUDING FILTRATION, EVAPORATION, AND CENTRIFUGATION SOLIDS), BAG HOUSE DUST AND FLOOR SWEEPINGS FROM THE PRODUCTION OF DITHIOCARBAMATE ACIDS AND THEIR SALTS. (THIS LISTING DOES NOT INCLUDE K125 OR K126).

- . Waste code: P001
- . Waste name: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3% (OR) WARFARIN, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%

- . Waste code: P002
- . Waste name: 1-ACETYL-2-THIOUREA (OR) ACETAMIDE, N-(AMINOTHIOXOMETHYL)-

- . Waste code: P003
- . Waste name: 2-PROPENAL (OR) ACROLEIN

- . Waste code: P004
- . Waste name: 1,4,5,8-DIMETHANONAPHTHALENE, 1,2,3,4,10,10-HEXA-CHLORO-1,4,4A,5,8,8A,-HEXAHYDRO-, (1ALPHA, 4ALPHA, 4ABETA, 5ALPHA, 8ALPHA, 8ABETA)- (OR) ALDRIN

- . Waste code: P005
- . Waste name: 2-PROPEN-1-OL (OR) ALLYL ALCOHOL

- . Waste code: P007
- . Waste name: 3(2H)-ISOXAZOLONE, 5-(AMINOMETHYL)- (OR) 5-(AMINOMETHYL)-3-ISOXAZOLOL

- . Waste code: P008
- . Waste name: 4-AMINOPYRIDINE (OR) 4-PYRIDINAMINE

- . Waste code: P010
- . Waste name: ARSENIC ACID H3ASO4

- . Waste code: P011
- . Waste name: ARSENIC OXIDE AS2O5 (OR) ARSENIC PENTOXIDE

- . Waste code: P012
- . Waste name: ARSENIC OXIDE AS2O3 (OR) ARSENIC TRIOXIDE

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. Waste code:	P013
. Waste name:	BARIUM CYANIDE
. Waste code:	P014
. Waste name:	BENZENETHIOL (OR) THIOPHENOL
. Waste code:	P015
. Waste name:	BERYLLIUM
. Waste code:	P016
. Waste name:	DICHLOROMETHYL ETHER (OR) METHANE, OXYBIS[CHLORO-
. Waste code:	P017
. Waste name:	2-PROPANONE, 1-BROMO- (OR) BROMOACETONE
. Waste code:	P018
. Waste name:	BRUCINE (OR) STRYCHNIDIN-10-ONE, 2,3-DIMETHOXY-
. Waste code:	P020
. Waste name:	DINOSEB (OR) PHENOL, 2-(1-METHYLPROPYL)-4,6-DINITRO-
. Waste code:	P021
. Waste name:	CALCIUM CYANIDE (OR) CALCIUM CYANIDE CA(CN)2
. Waste code:	P022
. Waste name:	CARBON DISULFIDE
. Waste code:	P023
. Waste name:	ACETALDEHYDE, CHLORO- (OR) CHLOROACETALDEHYDE
. Waste code:	P024
. Waste name:	BENZENAMINE, 4-CHLORO- (OR) P-CHLORANILINE
. Waste code:	P026
. Waste name:	1-(O-CHLOROPHENYL)THIOUREA (OR) THIOUREA, (2-CHLOROPHENYL)-
. Waste code:	P027
. Waste name:	3-CHLOROPROPIONITRILE (OR) PROPANENITRILE, 3-CHLORO-
. Waste code:	P028
. Waste name:	BENZENE, (CHLOROMETHYL)- (OR) BENZYL CHLORIDE
. Waste code:	P029
. Waste name:	COPPER CYANIDE (OR) COPPER CYANIDE CU(CN)
. Waste code:	P030
. Waste name:	CYANIDES (SOLUBLE CYANIDE SALTS), NOT OTHERWISE SPECIFIED
. Waste code:	P031
. Waste name:	CYANOGEN (OR) ETHANEDINITRILE
. Waste code:	P033
. Waste name:	CYANOGEN CHLORIDE (OR) CYANOGEN CHLORIDE (CN)CL
. Waste code:	P034
. Waste name:	2-CYCLOHEXYL-4,6-DINITROPHENOL (OR) PHENOL, 2-CYCLOHEXYL-4,6-DINITRO-

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- . Waste code: P036
- . Waste name: ARSONOUS DICHLORIDE, PHENYL- (OR) DICHLOROPHENYLARSINE

- . Waste code: P037
- . Waste name: 2,7:3,6-DIMETHANONAPHTH[2,3-B]OXIRENE,
3,4,5,6,9,9-HEXACHLORO-1A,2,2A,3,6,6A,7,7A-OCTAHYDRO-, (1AALPHA,
2BETA, 2AALPHA, 3BETA, 6BETA, 6AALPHA, 7BETA, 7AALPHA)- (OR) DIELDRIN

- . Waste code: P038
- . Waste name: ARSINE, DIETHYL- (OR) DIETHYLARSINE

- . Waste code: P039
- . Waste name: DISULFOTON (OR) PHOSPHORODITHIOIC ACID, O,O-DIETHYL
S-[2-(ETHYLTHIO)ETHYL] ESTER

- . Waste code: P040
- . Waste name: O,O-DIETHYL O-PYRAZINYL PHOSPHOROTHIOATE (OR) PHOSPHOROTHIOIC ACID,
O,O-DIETHYL O-PYRAZINYL ESTER

- . Waste code: P041
- . Waste name: DIETHYL-P-NITROPHENYL PHOSPHATE (OR) PHOSPHORIC ACID, DIETHYL
4-NITROPHENYL ESTER

- . Waste code: P042
- . Waste name: 1,2-BENZENEDIOL, 4-[1-HYDROXY-2-(METHYLAMINO)ETHYL]-, (R)- (OR)
EPINEPHRINE

- . Waste code: P043
- . Waste name: DIISOPROPYLFLUOROPHOSPHATE (DFP) (OR) PHOSPHOROFUORIDIC ACID,
BIS(1-METHYLETHYL) ESTER

- . Waste code: P044
- . Waste name: DIMETHOATE (OR) PHOSPHORODITHIOIC ACID, O,O-DIMETHYL
S-[2-(METHYLAMINO)-2-OXOETHYL] ESTER

- . Waste code: P045
- . Waste name: 2-BUTANONE, 3,3-DIMETHYL-1-(METHYLTHIO)-, O-[METHYLAMINO)CARBONYL]
OXIME (OR) THIOFANOX

- . Waste code: P046
- . Waste name: ALPHA,ALPHA-DIMETHYLPHENETHYLAMINE (OR) BENZENEETHANAMINE, ALPHA,
ALPHA-DIMETHYL-

- . Waste code: P047
- . Waste name: 4,6-DINITRO-O-CRESOL, & SALTS (OR) PHENOL, 2-METHYL-4,6-DINITRO-, &
SALTS

- . Waste code: P048
- . Waste name: 2,4-DINITROPHENOL (OR) PHENOL, 2,4-DINITRO-

- . Waste code: P049
- . Waste name: DITHIOBIURET (OR) THIOIMIDODICARBONIC DIAMIDE [(H2N)C(S)]2NH

- . Waste code: P050
- . Waste name: 6,9-METHANO-2,4,3-BENZODIOXATHIEPIN,6,7,8,9,10,10-HEXACHLORO-1,5,5A,6,
9,9A-HEXAHYDRO-,3-OXIDE (OR) ENDOSULFAN

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- . Waste code: P051
- . Waste name: 2,7:3,6-DIMETHANONAPHTH[2,3-B]OXIRENE,
3,4,5,6,9,9-HEXACHLORO-1A,2,2A,3,6,6A,7,7A-OCTAHYDRO-, (1AALPHA,
2BETA, 2ABETA, 3ALPHA, 6ALPHA, 6ABETA, 7BETA, 7AALPHA)- & METABOLITES
(OR) ENDRIN (OR) ENDRIN, & METABOLITES
- . Waste code: P054
- . Waste name: AZIRIDINE (OR) ETHYLENEIMINE
- . Waste code: P056
- . Waste name: FLUORINE
- . Waste code: P057
- . Waste name: ACETAMIDE, 2-FLUORO- (OR) FLUOROACETAMIDE
- . Waste code: P058
- . Waste name: ACETIC ACID, FLUORO-, SODIUM SALT (OR) FLUOROACETIC ACID, SODIUM SALT
- . Waste code: P059
- . Waste name: 4,7-METHANO-1H-INDENE, 1,4,5,6,7,8,8-HEPTACHLORO-3A,4,7,7A-TETRAHYDRO-
(OR) HEPTACHLOR
- . Waste code: P060
- . Waste name: 1,4,5,8-DIMETHANONAPHTHALENE,
1,2,3,4,10,10-HEXA-CHLORO-1,4,4A,5,8,8A,-HEXAHYDRO-, (1ALPHA, 4ALPHA,
4ABETA, 5BETA, 8BETA, 8ABETA)- (OR) ISODRIN
- . Waste code: P062
- . Waste name: HEXAETHYL TETRAPHOSPHATE (OR) TETRAPHOSPHORIC ACID, HEXAETHYL ESTER
- . Waste code: P063
- . Waste name: HYDROCYANIC ACID (OR) HYDROGEN CYANIDE
- . Waste code: P064
- . Waste name: METHANE, ISOCYANATO- (OR) METHYL ISOCYANATE
- . Waste code: P066
- . Waste name: ETHANIMIDOTHIOIC ACID, N-[[[(METHYLAMINO)CARBONYL]OXY]-, METHYL ESTER
(OR) METHOMYL
- . Waste code: P067
- . Waste name: 1,2-PROPYLENIMINE (OR) AZIRIDINE, 2-METHYL-
- . Waste code: P068
- . Waste name: HYDRAZINE, METHYL- (OR) METHYL HYDRAZINE
- . Waste code: P069
- . Waste name: 2-METHYLLACTONITRILE (OR) PROPANENITRILE, 2-HYDROXY-2-METHYL-
- . Waste code: P070
- . Waste name: ALDICARB (OR) PROPANAL, 2-METHYL-2-(METHYLTHIO)-,
O-[(METHYLAMINO)CARBONYL]OXIME
- . Waste code: P071
- . Waste name: METHYL PARATHION (OR) PHOSPHOROTHIOIC ACID, O,O,-DIMETHYL
O-(4-NITROPHENYL) ESTER

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- . Waste code: P072
- . Waste name: ALPHA-NAPHTHYLTHIOUREA (OR) THIOUREA, 1-NAPHTHALENYL-
- . Waste code: P073
- . Waste name: NICKEL CARBONYL (OR) NICKEL CARBONYL NI(CO)₄, (T-4)-
- . Waste code: P074
- . Waste name: NICKEL CYANIDE (OR) NICKEL CYANIDE NI(CN)₂
- . Waste code: P075
- . Waste name: NICOTINE, & SALTS (OR) PYRIDINE, 3-(1-METHYL-2-PYRROLIDINYL)-, (S)-, & SALTS
- . Waste code: P076
- . Waste name: NITRIC OXIDE (OR) NITROGEN OXIDE NO
- . Waste code: P077
- . Waste name: BENZENAMINE, 4-NITRO- (OR) P-NITROANILINE
- . Waste code: P078
- . Waste name: NITROGEN DIOXIDE (OR) NITROGEN OXIDE NO₂
- . Waste code: P082
- . Waste name: METHANIMINE, N-METHYL-N-NITROSO- (OR) N-NITROSODIMETHYLAMINE
- . Waste code: P084
- . Waste name: N-NITROSOMETHYLVINYLAMINE (OR) VINYLAMINE, N-METHYL-N-NITROSO-
- . Waste code: P085
- . Waste name: DIPHOSPHORAMIDE, OCTAMETHYL- (OR) OCTAMETHYLPYROPHOSPHORAMIDE
- . Waste code: P087
- . Waste name: OSMIUM OXIDE OSO₄, (T-4)- (OR) OSMIUM TETROXIDE
- . Waste code: P088
- . Waste name: 7-OXABICYCLO[2.2.1]HEPTANE-2,3-DICARBOXYLIC ACID (OR) ENDOTHALL
- . Waste code: P089
- . Waste name: PARATHION (OR) PHOSPHOROTHIOIC ACID, O,O-DIETHYL-O-(4-NITROPHENYL) ESTER
- . Waste code: P092
- . Waste name: MERCURY, (ACETATO-O)PHENYL- (OR) PHENYLMERCURY ACETATE
- . Waste code: P093
- . Waste name: PHENYLTHIOUREA (OR) THIOUREA, PHENYL-
- . Waste code: P094
- . Waste name: PHORATE (OR) PHOSPHORODITHIOIC ACID, O,O-DIETHYL S-[(ETHYLTHIO)METHYL] ESTER
- . Waste code: P095
- . Waste name: CARBONIC DICHLORIDE (OR) PHOSGENE
- . Waste code: P096
- . Waste name: HYDROGEN PHOSPHIDE (OR) PHOSPHINE

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- . Waste code: P097
- . Waste name: FAMPHUR (OR) PHOSPHOROTHIOIC ACID
O-[4-[(DIMETHYLAMINO)SULFONYL]PHENYL] O,O-DIMETHYL ESTER
- . Waste code: P098
- . Waste name: POTASSIUM CYANIDE (OR) POTASSIUM CYANIDE K(CN)
- . Waste code: P099
- . Waste name: ARGENTATE (1-), BIS(CYANO-C)-, POTASSIUM (OR) POTASSIUM SILVER CYANIDE
- . Waste code: P101
- . Waste name: ETHYL CYANIDE (OR) PROPANENITRILE
- . Waste code: P102
- . Waste name: 2-PROPYN-1-OL (OR) PROPARGYL ALCOHOL
- . Waste code: P103
- . Waste name: SELENOUREA
- . Waste code: P104
- . Waste name: SILVER CYANIDE (OR) SILVER CYANIDE AG(CN)
- . Waste code: P105
- . Waste name: SODIUM AZIDE
- . Waste code: P106
- . Waste name: SODIUM CYANIDE (OR) SODIUM CYANIDE NA(CN)
- . Waste code: P107
- . Waste name: Not Defined
- . Waste code: P108
- . Waste name: STRYCHNIDIN-10-ONE, & SALTS (OR) STRYCHNINE, & SALTS
- . Waste code: P109
- . Waste name: TETRAETHYLDITHIOPYROPHOSPHATE (OR) THIODIPHOSPHORIC ACID, TETRAETHYL
ESTER
- . Waste code: P110
- . Waste name: PLUMBANE, TETRAETHYL- (OR) TETRAETHYL LEAD
- . Waste code: P111
- . Waste name: DIPHOSPHORIC ACID, TETRAETHYL ESTER (OR) TETRAETHYL PYROPHOSPHATE
- . Waste code: P113
- . Waste name: THALLIC OXIDE (OR) THALLIUM OXIDE TL2O3
- . Waste code: P114
- . Waste name: SELENIOS ACID, DITHALLIUM (1+) SALT (OR) THALLIUM(I) SELENITE
- . Waste code: P115
- . Waste name: SULFURIC ACID, DITHALLIUM (1+) SALT (OR) THALLIUM(I) SULFATE
- . Waste code: P116
- . Waste name: HYDRAZINECARBOTHIOAMIDE (OR) THIOSEMICARBAZIDE
- . Waste code: P118

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- . Waste name: METHANETHIOL, TRICHLORO- (OR) TRICHLOROMETHANETHIOL
- . Waste code: P119
- . Waste name: AMMONIUM VANADATE (OR) VANADIC ACID, AMMONIUM SALT
- . Waste code: P120
- . Waste name: VANADIUM OXIDE V2O5 (OR) VANADIUM PENTOXIDE
- . Waste code: P121
- . Waste name: ZINC CYANIDE (OR) ZINC CYANIDE ZN(CN)2
- . Waste code: P122
- . Waste name: ZINC PHOSPHIDE ZN3P2, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 10% (R,T)
- . Waste code: P123
- . Waste name: TOXAPHENE
- . Waste code: P127
- . Waste name: 7-BENZOFURANOL, 2,3-DIHYDRO-2,2-DIMETHYL-, METHYLCARBAMATE (OR) CARBOFURAN
- . Waste code: P128
- . Waste name: PHENOL, 4-(DIMETHYLAMINO)-3,5-DIMETHYL-, METHYLCARBAMATE (ESTER)
- . Waste code: P185
- . Waste name: 1,3-DITHIOLANE-2-CARBOXALDEHYDE, 2,4-DIMETHYL-, O-[(METHYLAMINO)-CARBONYL]OXIME (OR) TIRPATE
- . Waste code: P188
- . Waste name: BENZOIC ACID, 2-HYDROXY-, COMPD. WITH (3AS-CIS)-1,2,3,3A,8,8A-HEXAHYDRO-1,3A,8-TRIMETHYLPYRROLO[2,3-B]INDOL-5-YL METHYLCARBAMATE ESTER (1:1) (OR) PHYSOSTIGMINE SALICYLATE
- . Waste code: P189
- . Waste name: CARBAMIC ACID, [(DIBUTYLAMINO)-THIO]METHYL-, 2,3-DIHYDRO-2,2-DIMETHYL-7-BENZOFURANYL ESTER (OR) CARBOSULFAN
- . Waste code: P190
- . Waste name: CARBAMIC ACID, METHYL-, 3-METHYLPHENYL ESTER (OR) METOLCARB
- . Waste code: P191
- . Waste name: CARBAMIC ACID, DIMETHYL-, 1-[(DIMETHYL-AMINO)CARBONYL]- 5-METHYL-1H-PYRAZOL-3-YL ESTER (OR) DIMETILAN
- . Waste code: P192
- . Waste name: ISOLAN (OR) CARBAMIC ACID, DIMETHYL-, 3-METHYL-(1-METHYLETHYL)-1H-PYRAZOL-5-YL ESTER
- . Waste code: P194
- . Waste name: ETHANIMIDOTHIOIC ACID, 2-(DIMETHYLAMINO)-N-[(METHYLAMINO) CARBONYL]OXY]-2-OXO-, METHYL ESTER (OR) OXAMYL
- . Waste code: P196
- . Waste name: MANGANESE DIMETHYLDITHIOCARBAMATE (OR) MANGANESE, BIS(DIMETHYLCARBAMODITHIOATO-S,S')-,

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- . Waste code: P197
- . Waste name: FORMPARANATE (OR) METHANIMIDAMIDE,
N,N-DIMETHYL-N'-[2-METHYL-4-[[[(METHYLAMINO)CARBONYL]OXY]PHENYL]
- . Waste code: P198
- . Waste name: METHANIMIDAMIDE,
N,N-DIMETHYL-N'-[3-[[[(METHYLAMINO)-CARBONYL]OXY]PHENYL]-,
MONOHYDROCHLORIDE (OR) FORMETANATE HYDROCHLORIDE
- . Waste code: P199
- . Waste name: METHIOCARB (OR) MEXACARBATE (OR) PHENOL,
(3,5-DIMETHYL-4-(METHYLTHIO)-, METHYLCARBAMATE
- . Waste code: P201
- . Waste name: PHENOL, 3-METHYL-5-(1-METHYLETHYL)-, METHYL CARBAMATE (OR) PROMECARB
- . Waste code: P202
- . Waste name: M-CUMENYL METHYLCARBAMATE (OR) 3-ISOPROPYLPHENYL N-METHYLCARBAMATE
(OR) PHENOL, 3-(1-METHYLETHYL)-, METHYL CARBAMATE
- . Waste code: P203
- . Waste name: ALDICARB SULFONE (OR) PROPANAL, 2-METHYL-2-(METHYL-SULFONYL)-,
O-[(METHYLAMINO)CARBONYL] OXIME
- . Waste code: P204
- . Waste name: PHYSOSTIGMINE (OR) PYRROLO[2,3-B]INDOL-5-OL,
1,2,3,3A,8,8A-HEXAHYDRO-1,3A,8-TRIMETHYL-METHYLCARBAMATE (ESTER),
(3AS-CIS)-
- . Waste code: P205
- . Waste name: ZINC, BIS(DIMETHYLCARBAMODITHIOATO-S,S')-, (OR) ZIRAM
- . Waste code: U001
- . Waste name: ACETALDEHYDE (I) (OR) ETHANAL (I)
- . Waste code: U002
- . Waste name: 2-PROPANONE (I) (OR) ACETONE (I)
- . Waste code: U003
- . Waste name: ACETONITRILE (I,T)
- . Waste code: U004
- . Waste name: ACETOPHENONE (OR) ETHANONE, 1-PHENYL-
- . Waste code: U005
- . Waste name: 2-ACETYLAMINOFLUORENE (OR) ACETAMIDE, N-9H-FLUOREN-2-YL
- . Waste code: U006
- . Waste name: ACETYL CHLORIDE (C,R,T)
- . Waste code: U007
- . Waste name: 2-PROPENAMIDE (OR) ACRYLAMIDE
- . Waste code: U008
- . Waste name: 2-PROPENOIC ACID (I) (OR) ACRYLIC ACID (I)
- . Waste code: U009

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- . Waste name: 2-PROPENENITRILE (OR) ACRYLONITRILE
- . Waste code: U010
- . Waste name: AZIRINO [2',3':3,4]PYRROLO[1,2-A]INDOLE-4,7-DIONE,
6-AMINO-8-[[(AMINOCARBONYL) OXY] METHYL]-1,1A,2,8,8A,8B-HEXAHYDRO-8A-MET
HOXY-5-METHYL-, [1AS-(1AALPHA, 8BETA, 8AALPHA, 8BALPHA)]- (OR)
MITOMYCIN C
- . Waste code: U011
- . Waste name: 1H-1,2,4-TRIAZOL-3-AMINE (OR) AMITROLE
- . Waste code: U012
- . Waste name: ANILINE (I,T) (OR) BENZENAMINE (I,T)
- . Waste code: U014
- . Waste name: AURAMINE (OR) BENZENAMINE, 4,4'-CARBONIMIDOYLBIS[N,N-DIMETHYL-
- . Waste code: U015
- . Waste name: AZASERINE (OR) L-SERINE, DIAZOACETATE (ESTER)
- . Waste code: U016
- . Waste name: BENZ[C]ACRIDINE
- . Waste code: U017
- . Waste name: BENZAL CHLORIDE (OR) BENZENE, (DICHLOROMETHYL)-
- . Waste code: U018
- . Waste name: BENZ[A]ANTHRACENE
- . Waste code: U019
- . Waste name: BENZENE (I,T)
- . Waste code: U020
- . Waste name: BENZENESULFONIC ACID CHLORIDE (C,R) (OR) BENZENESULFONYL CHLORIDE
(C,R)
- . Waste code: U021
- . Waste name: [1,1'-BIPHENYL]-4,4'-DIAMINE (OR) BENZIDINE
- . Waste code: U022
- . Waste name: BENZO[A]PYRENE
- . Waste code: U024
- . Waste name: DICHLOROMETHOXY ETHANE (OR) ETHANE,
1,1'-[METHYLENEBIS(OXY)]BIS[2-CHLORO-
- . Waste code: U025
- . Waste name: DICHLOROETHYL ETHER (OR) ETHANE, 1,1'-OXYBIS[2-CHLORO-
- . Waste code: U026
- . Waste name: CHLORNAPHAZIN (OR) NAPHTHALENAMINE, N,N'-BIS(2-CHLOROETHYL)-
- . Waste code: U027
- . Waste name: DICHLOROISOPROPYL ETHER (OR) PROPANE, 2,2'-OXYBIS[2-CHLORO-
- . Waste code: U028
- . Waste name: 1,2-BENZENEDICARBOXYLIC ACID, BIS(2-ETHYLHEXYL) ESTER (OR)

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DIETHYLHEXYL PHTHALATE

- . Waste code: U029
- . Waste name: METHANE, BROMO- (OR) METHYL BROMIDE
- . Waste code: U030
- . Waste name: 4-BROMOPHENYL PHENYL ETHER (OR) BENZENE, 1-BROMO-4-PHENOXY-
- . Waste code: U031
- . Waste name: 1-BUTANOL (I) (OR) N-BUTYL ALCOHOL (I)
- . Waste code: U032
- . Waste name: CALCIUM CHROMATE (OR) CHROMIC ACID H₂CrO₄, CALCIUM SALT
- . Waste code: U033
- . Waste name: CARBON OXYFLUORIDE (R,T) (OR) CARBONIC DIFLUORIDE
- . Waste code: U034
- . Waste name: ACETALDEHYDE, TRICHLORO- (OR) CHLORAL
- . Waste code: U035
- . Waste name: BENZENEBUTANOIC ACID, 4-[BIS(2-CHLOROETHYL)AMINO]- (OR) CHLORAMBUCIL
- . Waste code: U036
- . Waste name: 4,7-METHANO-1H-INDENE,
1,2,4,5,6,7,8,8-OCTACHLORO-2,3,3A,4,7,7A-HEXAHYDRO- (OR) CHLORDANE,
ALPHA & GAMMA ISOMERS
- . Waste code: U037
- . Waste name: BENZENE, CHLORO- (OR) CHLOROBENZENE
- . Waste code: U038
- . Waste name: BENZENEACETIC ACID, 4-CHLORO-ALPHA-(4-CHLOROPHENYL)-ALPHA-HYDROXY-,
ETHYL ESTER (OR) CHLOROBENZILATE
- . Waste code: U039
- . Waste name: P-CHLORO-M-CRESOL (OR) PHENOL, 4-CHLORO-3-METHYL-
- . Waste code: U041
- . Waste name: EPICHLOROHYDRIN (OR) OXIRANE, (CHLOROMETHYL)-
- . Waste code: U042
- . Waste name: 2-CHLOROETHYL VINYL ETHER (OR) ETHENE, (2-CHLOROETHOXY)-
- . Waste code: U043
- . Waste name: ETHENE, CHLORO- (OR) VINYL CHLORIDE
- . Waste code: U044
- . Waste name: CHLOROFORM (OR) METHANE, TRICHLORO-
- . Waste code: U045
- . Waste name: METHANE, CHLORO- (I,T) (OR) METHYL CHLORIDE (I,T)
- . Waste code: U046
- . Waste name: CHLOROMETHYL METHYL ETHER (OR) METHANE, CHLOROMETHOXY-
- . Waste code: U047

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- . Waste name: BETA-CHLORONAPHTHALENE (OR) NAPHTHALENE, 2-CHLORO-
- . Waste code: U048
- . Waste name: O-CHLOROPHENOL (OR) PHENOL, 2-CHLORO-
- . Waste code: U049
- . Waste name: 4-CHLORO-O-TOLUIDINE, HYDROCHLORIDE (OR) BENZENAMINE, 4-CHLORO-2-METHYL-, HYDROCHLORIDE
- . Waste code: U050
- . Waste name: CHRYSENE
- . Waste code: U051
- . Waste name: CREOSOTE
- . Waste code: U052
- . Waste name: CRESOL (CRESYLIC ACID) (OR) PHENOL, METHYL-
- . Waste code: U053
- . Waste name: 2-BUTENAL (OR) CROTONALDEHYDE
- . Waste code: U055
- . Waste name: BENZENE, (1-METHYLETHYL)- (I) (OR) CUMENE (I)
- . Waste code: U056
- . Waste name: BENZENE, HEXAHYDRO- (I) (OR) CYCLOHEXANE (I)
- . Waste code: U057
- . Waste name: CYCLOHEXANONE (I)
- . Waste code: U058
- . Waste name: 2H-1,3,2-OXAZAPHOSPHORIN-2-AMINE, N,N-BIS(2-CHLOROETHYL)TETRAHYDRO-, 2-OXIDE (OR) CYCLOPHOSPHAMIDE
- . Waste code: U059
- . Waste name: 5,12-NAPHTHACENEDIONE, 8-ACETYL-10-[(3-AMINO-2,3,6-TRIDEOXY)-ALPHA-L-LYXO-HEXOPYRANOSYL)OXY]-7,8,9,10-TETRAHYDRO-6,8,11-TRIHYDROXY-1-METHOXY-, (8S-CIS)- (OR) DAUNOMYCIN
- . Waste code: U060
- . Waste name: BENZENE, 1,1'-(2,2-DICHLOROETHYLIDENE)BIS[4-CHLORO- (OR) DDD
- . Waste code: U061
- . Waste name: BENZENE, 1,1'-(2,2,2-TRICHLOROETHYLIDENE)BIS[4-CHLORO- (OR) DDT
- . Waste code: U062
- . Waste name: CARBAMOTHIOIC ACID, BIS(1-METHYLETHYL)-, S-(2,3-DICHLORO-2-PROPENYL) ESTER (OR) DIALATE
- . Waste code: U063
- . Waste name: DIBENZ[A,H]ANTHRACENE
- . Waste code: U064
- . Waste name: BENZO[RST]PENTAPHENE (OR) DIBENZO[A,I]PYRENE
- . Waste code: U066

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- . Waste name: 1,2-DIBROMO-3-CHLOROPROPANE (OR) PROPANE, 1,2-DIBROMO-3-CHLORO-
- . Waste code: U067
- . Waste name: ETHANE, 1,2-DIBROMO- (OR) ETHYLENE DIBROMIDE
- . Waste code: U068
- . Waste name: METHANE, DIBROMO- (OR) METHYLENE BROMIDE
- . Waste code: U069
- . Waste name: 1,2-BENZENEDICARBOXYLIC ACID, DIBUTYL ESTER (OR) DIBUTYL PHTHALATE
- . Waste code: U070
- . Waste name: BENZENE, 1,2-DICHLORO- (OR) O-DICHLOROBENZENE
- . Waste code: U071
- . Waste name: BENZENE, 1,3-DICHLORO- (OR) M-DICHLOROBENZENE
- . Waste code: U072
- . Waste name: BENZENE, 1,4-DICHLORO- (OR) P-DICHLOROBENZENE
- . Waste code: U073
- . Waste name: [1,1'-BIPHENYL]-4,4'-DIAMINE, 3,3'-DICHLORO- (OR) 3,3'-DICHLOROBENZIDINE
- . Waste code: U074
- . Waste name: 1,4-DICHLORO-2-BUTENE (I,T) (OR) 2-BUTENE, 1,4-DICHLORO- (I,T)
- . Waste code: U075
- . Waste name: DICHLORODIFLUOROMETHANE (OR) METHANE, DICHLORODIFLUORO-
- . Waste code: U076
- . Waste name: ETHANE, 1,1-DICHLORO- (OR) ETHYLIDENE DICHLORIDE
- . Waste code: U077
- . Waste name: ETHANE, 1,2-DICHLORO- (OR) ETHYLENE DICHLORIDE
- . Waste code: U078
- . Waste name: 1,1-DICHLOROETHYLENE (OR) ETHENE, 1,1-DICHLORO-
- . Waste code: U079
- . Waste name: 1,2-DICHLOROETHYLENE (OR) ETHENE, 1,2-DICHLORO-, (E)-
- . Waste code: U080
- . Waste name: METHANE, DICHLORO- (OR) METHYLENE CHLORIDE
- . Waste code: U081
- . Waste name: 2,4-DICHLOROPHENOL (OR) PHENOL, 2,4-DICHLORO-
- . Waste code: U082
- . Waste name: 2,6-DICHLOROPHENOL (OR) PHENOL, 2,6-DICHLORO-
- . Waste code: U083
- . Waste name: PROPANE, 1,2-DICHLORO- (OR) PROPYLENE DICHLORIDE
- . Waste code: U084
- . Waste name: 1,3-DICHLOROPROPENE (OR) 1-PROPENE, 1,3-DICHLORO-

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- . Waste code: U085
- . Waste name: 1,2:3,4-DIEPOXYBUTANE (I,T) (OR) 2,2'-BIOXIRANE
- . Waste code: U086
- . Waste name: HYDRAZINE, 1,2-DIETHYL- (OR) N,N'-DIETHYLHYDRAZINE
- . Waste code: U087
- . Waste name: O,O-DIETHYL S-METHYL DITHIOPHOSPHATE (OR) PHOSPHORODITHIOIC ACID, O,O-DIETHYL S-METHYL ESTER
- . Waste code: U088
- . Waste name: 1,2-BENZENEDICARBOXYLIC ACID, DIETHYL ESTER (OR) DIETHYL PHTHALATE
- . Waste code: U089
- . Waste name: DIETHYLSTILBESTEROL (OR) PHENOL, 4,4'-(1,2-DIETHYL-1,2-ETHENEDIYL)BIS, (E)-
- . Waste code: U090
- . Waste name: 1,3-BENZODIOXOLE, 5-PROPYL- (OR) DIHYDROSAFROLE
- . Waste code: U091
- . Waste name: [1,1'-BIPHENYL]-4,4'-DIAMINE, 3,3'-DIMETHOXY- (OR) 3,3'-DIMETHOXYBENZIDINE
- . Waste code: U092
- . Waste name: DIMETHYLAMINE (I) (OR) METHANAMINE, N-METHYL- (I)
- . Waste code: U093
- . Waste name: BENZENAMINE, N,N-DIMETHYL-4-(PHENYLAZO)- (OR) P-DIMETHYLAMINOAZOBENZENE
- . Waste code: U094
- . Waste name: 7,12-DIMETHYLBENZ[A]ANTHRACENE (OR) BENZ[A]ANTHRACENE, 7,12-DIMETHYL-
- . Waste code: U095
- . Waste name: [1,1'-BIPHENYL]-4,4'-DIAMINE, 3,3'-DIMETHYL- (OR) 3,3'-DIMETHYLBENZIDINE
- . Waste code: U097
- . Waste name: CARBAMIC CHLORIDE, DIMETHYL- (OR) DIMETHYLCARBAMOYL CHLORIDE
- . Waste code: U098
- . Waste name: 1,1-DIMETHYLHYDRAZINE (OR) HYDRAZINE, 1,1-DIMETHYL-
- . Waste code: U099
- . Waste name: 1,2-DIMETHYLHYDRAZINE (OR) HYDRAZINE, 1,2-DIPHENYL-
- . Waste code: U101
- . Waste name: 2,4-DIMETHYLPHENOL (OR) PHENOL, 2,4-DIMETHYL-
- . Waste code: U102
- . Waste name: 1,2-BENZENEDICARBOXYLIC ACID, DIMETHYL ESTER (OR) DIMETHYL PHTHALATE
- . Waste code: U103
- . Waste name: DIMETHYL SULFATE (OR) SULFURIC ACID, DIMETHYL ESTER
- . Waste code: U105

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- . Waste name: 2,4-DINITROTOLUENE (OR) BENZENE, 1-METHYL-2,4-DINITRO-
- . Waste code: U106
- . Waste name: 2,6-DINITROTOLUENE (OR) BENZENE, 2-METHYL-1,3-DINITRO-
- . Waste code: U107
- . Waste name: 1,2-BENZENEDICARBOXYLIC ACID, DIOCTYL ESTER (OR) DI-N-OCTYL PHTHALATE
- . Waste code: U108
- . Waste name: 1,4-DIETHYLENEOXIDE (OR) 1,4-DIOXANE
- . Waste code: U109
- . Waste name: 1,2-DIPHENYLHYDRAZINE (OR) HYDRAZINE, 1,2-DIPHENYL-
- . Waste code: U110
- . Waste name: 1-PROPANIMINE, N-PROPYL-(I) (OR) DIPROPYLAMINE (I)
- . Waste code: U111
- . Waste name: 1-PROPANAMINE, N-NITROSO-N-PROPYL- (OR) DI-N-PROPYLNITROSAMINE
- . Waste code: U112
- . Waste name: ACETIC ACID, ETHYL ESTER (I) (OR) ETHYL ACETATE (I)
- . Waste code: U113
- . Waste name: 2-PROPENOIC ACID, ETHYL ESTER (I) (OR) ETHYL ACRYLATE (I)
- . Waste code: U114
- . Waste name: CARBAMODITHIOIC ACID, 1,2-ETHANEDIYLBIS-, SALTS & ESTERS (OR) ETHYLENEBISDITHIOCARBAMIC ACID, SALTS & ESTERS
- . Waste code: U115
- . Waste name: ETHYLENE OXIDE (I,T) (OR) OXIRANE (I,T)
- . Waste code: U116
- . Waste name: 2-IMIDAZOLIDINETHIONE (OR) ETHYLENETHIOUREA
- . Waste code: U117
- . Waste name: ETHANE, 1,1'-OXYBIS-(I) (OR) ETHYL ETHER (I)
- . Waste code: U118
- . Waste name: 2-PROPENOIC ACID, 2-METHYL-, ETHYL ESTER (OR) ETHYL METHACRYLATE
- . Waste code: U119
- . Waste name: ETHYL METHANESULFONATE (OR) METHANESULFONIC ACID, ETHYL ESTER
- . Waste code: U120
- . Waste name: FLUORANTHENE
- . Waste code: U121
- . Waste name: METHANE, TRICHLOROFLUORO- (OR) TRICHLOROMONOFUOROMETHANE
- . Waste code: U122
- . Waste name: FORMALDEHYDE
- . Waste code: U123
- . Waste name: FORMIC ACID (C,T)

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- . Waste code: U124
- . Waste name: FURAN (I) (OR) FURFURAN (I)

- . Waste code: U125
- . Waste name: 2-FURANCARBOXALDEHYDE (I) (OR) FURFURAL (I)

- . Waste code: U126
- . Waste name: GLYCIDYLALDEHYDE (OR) OXIRANECARBOXYALDEHYDE

- . Waste code: U127
- . Waste name: BENZENE, HEXACHLORO- (OR) HEXACHLOROBENZENE

- . Waste code: U128
- . Waste name: 1,3-BUTADIENE, 1,1,2,3,4,4-HEXACHLORO- (OR) HEXACHLOROBUTADIENE

- . Waste code: U129
- . Waste name: CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, (1ALPHA, 2ALPHA, 3BETA, 4ALPHA, 5ALPHA, 6BETA)- (OR) LINDANE

- . Waste code: U130
- . Waste name: 1,3-CYCLOPENTADIENE, 1,2,3,4,5,5-HEXACHLORO- (OR) HEXACHLOROCYCLOPENTADIENE

- . Waste code: U131
- . Waste name: ETHANE, HEXACHLORO- (OR) HEXACHLOROETHANE

- . Waste code: U132
- . Waste name: HEXACHLOROPHENE (OR) PHENOL, 2,2'-METHYLENEBIS[3,4,6-TRICHLORO-

- . Waste code: U134
- . Waste name: HYDROFLUORIC ACID (C,T) (OR) HYDROGEN FLUORIDE (C,T)

- . Waste code: U135
- . Waste name: HYDROGEN SULFIDE (OR) HYDROGEN SULFIDE H2S

- . Waste code: U136
- . Waste name: ARSINIC ACID, DIMETHYL- (OR) CACODYLIC ACID

- . Waste code: U137
- . Waste name: INDENO[1,2,3-CD]PYRENE

- . Waste code: U138
- . Waste name: METHANE, IODO- (OR) METHYL IODIDE

- . Waste code: U140
- . Waste name: 1-PROPANOL, 2-METHYL- (I,T) (OR) ISOBUTYL ALCOHOL (I,T)

- . Waste code: U141
- . Waste name: 1,3-BENZODIOXOLE, 5-(1-PROPENYL)- (OR) ISOSAFROLE

- . Waste code: U142
- . Waste name: 1,3,4-METHENO-2H-CYCLOBUTA[CD]PENTALEN-2-ONE, 1,1A,3,3A,4,5,5,5A,5B,6-DECACHLOROOCCTAHYDRO- (OR) KEPONE

- . Waste code: U143
- . Waste name: 2-BUTENOIC ACID, 2-METHYL-, 7-[[2,3-DIHYDROXY-2-(1-METHOXYETHYL)-3-METHYL-1-OXOBUTOXY]METHYL]-2,3,

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5,7A-TETRAHYDRO-1H-PYRROLIZIN-1-YL ESTER, [1S-[1ALPHA(Z), 7(2S*,3R*), 7AALPHA]]- (OR) LASIOCARPINE

- . Waste code: U144
- . Waste name: ACETIC ACID, LEAD(2+) SALT (OR) LEAD ACETATE
- . Waste code: U145
- . Waste name: LEAD PHOSPHATE (OR) PHOSPHORIC ACID, LEAD(2+) SALT (2:3)
- . Waste code: U146
- . Waste name: LEAD SUBACETATE (OR) LEAD, BIS(ACETATO-O)TETRAHYDROXYTRI-
- . Waste code: U147
- . Waste name: 2,5-FURANDIONE (OR) MALEIC ANHYDRIDE
- . Waste code: U148
- . Waste name: 3,6-PYRIDAZINEDIONE, 1,2-DIHYDRO- (OR) MALEIC HYDRAZIDE
- . Waste code: U149
- . Waste name: MALONONITRILE (OR) PROPANEDINITRILE
- . Waste code: U150
- . Waste name: L-PHENYLALANINE, 4-[BIS(2-CHLOROETHYL)AMINO]- (OR) MELPHALAN
- . Waste code: U151
- . Waste name: MERCURY
- . Waste code: U152
- . Waste name: 2-PROPENENITRILE, 2-METHYL- (I,T) (OR) METHACRYLONITRILE (I,T)
- . Waste code: U153
- . Waste name: METHANETHIOL (I,T) (OR) THIOMETHANOL (I,T)
- . Waste code: U154
- . Waste name: METHANOL (I) (OR) METHYL ALCOHOL (I)
- . Waste code: U155
- . Waste name: 1,2-ETHANEDIAMINE, N,N-DIMETHYL-N'-2-PYRIDINYL-N'-(2-THIENYLMETHYL)- (OR) METHAPYRILENE
- . Waste code: U156
- . Waste name: CARBONCHLORIDIC ACID, METHYL ESTER, (I,T) (OR) METHYL CHLOROCARBONATE (I,T)
- . Waste code: U157
- . Waste name: 3-METHYLCHOLANTHRENE (OR) BENZ[J]ACEANTHRYLENE, 1,2-DIHYDRO-3-METHYL-
- . Waste code: U158
- . Waste name: 4,4'-METHYLENEBIS(2-CHLOROANILINE) (OR) BENZENAMINE, 4,4'-METHYLENEBIS[2-CHLORO-
- . Waste code: U159
- . Waste name: 2-BUTANONE (I,T) (OR) METHYL ETHYL KETONE (MEK) (I,T)
- . Waste code: U161
- . Waste name: 4-METHYL-2-PENTANONE (I) (OR) METHYL ISOBUTYL KETONE (I) (OR) PENTANOL, 4-METHYL-

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- . Waste code: U162
- . Waste name: 2-PROPENOIC ACID, 2-METHYL-, METHYL ESTER (I,T) (OR) METHYL METHACRYLATE (I,T)

- . Waste code: U163
- . Waste name: GUANIDINE, N-METHYL-N'-NITRO-N-NITROSO- (OR) MNNG

- . Waste code: U164
- . Waste name: 4(1H)-PYRIMIDINONE, 2,3-DIHYDRO-6-METHYL-2-THIOXO- (OR) METHYLTHIOURACIL

- . Waste code: U165
- . Waste name: NAPHTHALENE

- . Waste code: U166
- . Waste name: 1,4-NAPHTHALENEDIONE (OR) 1,4-NAPHTHOQUINONE

- . Waste code: U167
- . Waste name: 1-NAPHTHALENAMINE (OR) ALPHA-NAPHTHYLAMINE

- . Waste code: U168
- . Waste name: 2-NAPHTHALENAMINE (OR) BETA-NAPHTHYLAMINE

- . Waste code: U169
- . Waste name: BENZENE, NITRO- (OR) NITROBENZENE (I,T)

- . Waste code: U170
- . Waste name: P-NITROPHENOL (I,T) (OR) PHENOL, 4-NITRO-

- . Waste code: U171
- . Waste name: 2-NITROPROPANE (I,T) (OR) PROPANE, 2-NITRO- (I,T)

- . Waste code: U172
- . Waste name: 1-BUTANAMINE, N-BUTYL-N-NITROSO- (OR) N-NITROSODI-N-BUTYLAMINE

- . Waste code: U173
- . Waste name: ETHANOL, 2,2'-(NITROSOIMINO)BIS- (OR) N-NITROSODIETHANOLAMINE

- . Waste code: U174
- . Waste name: ETHANAMINE, N-ETHYL-N-NITROSO- (OR) N-NITROSODIETHYLAMINE

- . Waste code: U176
- . Waste name: N-NITROSO-N-ETHYLUREA (OR) UREA, N-ETHYL-N-NITROSO-

- . Waste code: U177
- . Waste name: N-NITROSO-N-METHYLUREA (OR) UREA, N-METHYL-N-NITROSO-

- . Waste code: U178
- . Waste name: CARBAMIC ACID, METHYLNITROSO-, ETHYL ESTER (OR) N-NITROSO-N-METHYLURETHANE

- . Waste code: U179
- . Waste name: N-NITROSOPIPERIDINE (OR) PIPERIDINE, 1-NITROSO-

- . Waste code: U180
- . Waste name: N-NITROSOPYRROLIDINE (OR) PYRROLIDINE, 1-NITROSO-

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- . Waste code: U181
- . Waste name: 5-NITRO-O-TOLUIDINE (OR) BENZENAMINE, 2-METHYL-5-NITRO

- . Waste code: U182
- . Waste name: 1,3,5-TRIOXANE, 2,4,6-TRIMETHYL- (OR) PARALDEHYDE

- . Waste code: U183
- . Waste name: BENZENE, PENTACHLORO- (OR) PENTACHLOROBENZENE

- . Waste code: U184
- . Waste name: ETHANE, PENTACHLORO- (OR) PENTACHLOROETHANE

- . Waste code: U185
- . Waste name: BENZENE, PENTACHLORONITRO- (OR) PENTACHLORONITROBENZENE (PCNB)

- . Waste code: U186
- . Waste name: 1,3-PENTADIENE (I) (OR) 1-METHYLBUTADIENE (I)

- . Waste code: U187
- . Waste name: ACETAMIDE, N-(4-ETHOXYPHENYL)- (OR) PHENACETIN

- . Waste code: U188
- . Waste name: PHENOL

- . Waste code: U189
- . Waste name: PHOSPHORUS SULFIDE (R) (OR) SULFUR PHOSPHIDE (R)

- . Waste code: U190
- . Waste name: 1,3-ISOBENZOFURANDIONE (OR) PHTHALIC ANHYDRIDE

- . Waste code: U191
- . Waste name: 2-PICOLINE (OR) PYRIDINE, 2-METHYL-

- . Waste code: U192
- . Waste name: BENZAMIDE, 3,5-DICHLORO-N-(1,1-DIMETHYL-2-PROPYNYL)- (OR) PRONAMIDE

- . Waste code: U193
- . Waste name: 1,2-OXATHIOLANE, 2,2-DIOXIDE (OR) 1,3-PROPANE SULTONE

- . Waste code: U194
- . Waste name: 1-PROPANAMINE (I,T) (OR) N-PROPYLAMINE (I,T)

- . Waste code: U196
- . Waste name: PYRIDINE

- . Waste code: U197
- . Waste name: 2,5-CYCLOHEXADIENE-1,4-DIONE (OR) P-BENZOQUINONE

- . Waste code: U200
- . Waste name: RESERPINE (OR) YOHIMBAN-16-CARBOXYLIC ACID, 11,17-DIMETHOXY-18-[(3,4,5-TRIMETHOXYBENZOYL)OXY]-, METHYL ESTER, (3BETA, 16BETA, 17ALPHA, 18BETA, 20ALPHA)-

- . Waste code: U201
- . Waste name: 1,3-BENZENEDIOL (OR) RESORCINOL

- . Waste code: U202

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- . Waste name: 1,2-BENZISOTHIAZOL-3(2H)-ONE, 1,1-DIOXIDE, & SALTS
- . Waste code: U203
- . Waste name: 1,3-BENZODIOXOLE, 5-(2-PROPENYL)- (OR) SAFROLE
- . Waste code: U204
- . Waste name: SELENIUM DIOXIDE (OR) SELENIUM DIOXIDE
- . Waste code: U205
- . Waste name: SELENIUM SULFIDE (OR) SELENIUM SULFIDE SES2 (R,T)
- . Waste code: U206
- . Waste name: D-GLUCOSE, 2-DEOXY-2-[[[(METHYLNITROSOAMINO)-CARBONYL]AMINO]- (OR) GLUCOPYRANOSE, 2-DEOXY-2-(3-METHYL-3-NITROSOUREIDO)-,D- (OR) STREPTOZOTOCIN
- . Waste code: U207
- . Waste name: 1,2,4,5-TETRACHLOROBENZENE (OR) BENZENE, 1,2,4,5-TETRACHLORO-
- . Waste code: U208
- . Waste name: 1,1,1,2-TETRACHLOROETHANE (OR) ETHANE, 1,1,1,2-TETRACHLORO-
- . Waste code: U209
- . Waste name: 1,1,2,2-TETRACHLOROETHANE (OR) ETHANE, 1,1,2,2-TETRACHLORO-
- . Waste code: U210
- . Waste name: ETHENE, TETRACHLORO- (OR) TETRACHLOROETHYLENE
- . Waste code: U211
- . Waste name: CARBON TETRACHLORIDE (OR) METHANE, TETRACHLORO-
- . Waste code: U213
- . Waste name: FURAN, TETRAHYDRO-(I) (OR) TETRAHYDROFURAN (I)
- . Waste code: U214
- . Waste name: ACETIC ACID, THALLIUM(1+) SALT (OR) THALLIUM(I) ACETATE
- . Waste code: U215
- . Waste name: CARBONIC ACID, DITHALLIUM(1+) SALT (OR) THALLIUM(I) CARBONATE
- . Waste code: U216
- . Waste name: THALLIUM CHLORIDE TLCL (OR) THALLIUM(I) CHLORIDE
- . Waste code: U217
- . Waste name: NITRIC ACID, THALLIUM(1+) SALT (OR) THALLIUM(I) NITRATE
- . Waste code: U218
- . Waste name: ETHANETHIOAMIDE (OR) THIOACETAMIDE
- . Waste code: U219
- . Waste name: THIOUREA
- . Waste code: U220
- . Waste name: BENZENE, METHYL- (OR) TOLUENE
- . Waste code: U221
- . Waste name: BENZENEDIAMINE, AR-METHYL- (OR) TOLUENEDIAMINE

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- . Waste code: U222
- . Waste name: BENZENAMINE, 2-METHYL-, HYDROCHLORIDE (OR) O-TOLUIDINE HYDROCHLORIDE
- . Waste code: U223
- . Waste name: BENZENE, 1,3-DIISOCYANATOMETHYL- (R,T) (OR) TOLUENE DIISOCYANATE (R,T)
- . Waste code: U225
- . Waste name: BROMOFORM (OR) METHANE, TRIBROMO-
- . Waste code: U226
- . Waste name: ETHANE, 1,1,1-TRICHLORO- (OR) METHYL CHLOROFORM
- . Waste code: U227
- . Waste name: 1,1,2-TRICHLOROETHANE (OR) ETHANE, 1,1,2-TRICHLORO-
- . Waste code: U228
- . Waste name: ETHENE, TRICHLORO- (OR) TRICHLOROETHYLENE
- . Waste code: U235
- . Waste name: 1-PROPANOL, 2,3-DIBROMO-, PHOSPHATE (3:1) (OR) TRIS(2,3,-DIBROMOPROPYL) PHOSPHATE
- . Waste code: U236
- . Waste name: 2,7-NAPHTHALENEDISULFONIC ACID,3,3'-[(3,3'-DIMETHYL[1,1'-BIPHENYL]-4,4'-DIYL)BIS(AZO)BIS[5-AMINO-4-HYDROXY]-, TETRASODIUM SALT (OR) TRYPAN BLUE
- . Waste code: U237
- . Waste name: 2,4-(1H,3H)-PYRIMIDINEDIONE, 5-[BIS(2-CHLOROETHYL)AMINO]- (OR) URACIL MUSTARD
- . Waste code: U238
- . Waste name: CARBAMIC ACID, ETHYL ESTER (OR) ETHYL CARBAMATE (URETHANE)
- . Waste code: U239
- . Waste name: BENZENE, DIMETHYL- (I,T) (OR) XYLENE (I)
- . Waste code: U240
- . Waste name: 2,4-D, SALTS & ESTERS (OR) ACETIC ACID, (2,4-DICHLOROPHENOXY)-, SALTS & ESTERS (OR) DICHLOROPHENOXYACETIC ACID 2,4-D
- . Waste code: U243
- . Waste name: 1-PROPENE, 1,1,2,3,3,3-HEXACHLORO- (OR) HEXACHLOROPROPENE
- . Waste code: U244
- . Waste name: THIOPEROXYDICARBONIC DIAMIDE [(H2N)C(S)]2S2, TETRAMETHYL- (OR) THIRAM
- . Waste code: U246
- . Waste name: CYANOGEN BROMIDE (CN)BR
- . Waste code: U247
- . Waste name: BENZENE, 1,1'-(2,2,2-TRICHLOROETHYLIDENE)BIS[4-METHOXY- (OR) METHOXYCHLOR
- . Waste code: U248
- . Waste name: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYL-BUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS OF 0.3% OR LESS (OR) WARFARIN, & SALTS,

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WHEN PRESENT AT CONCENTRATIONS OF 0.3% OR LESS

- . Waste code: U249
- . Waste name: ZINC PHOSPHIDE ZN3P2, WHEN PRESENT AT CONCENTRATIONS OF 10% OR LESS

- . Waste code: U271
- . Waste name: BENOMYL (OR) CARBAMIC ACID, [1-[(BUTYLAMINO)CARBONYL]-1H-BENZIMIDAZOL-2-YL]-, METHYL ESTER

- . Waste code: U278
- . Waste name: BENDIOCARB (OR) 1,3-BENZODIOXOL-4-OL, 2,2-DIMETHYL-, METHYL CARBAMATE

- . Waste code: U279
- . Waste name: CARBARYL (OR) 1-NAPHTHALENOL, METHYLCARBAMATE

- . Waste code: U280
- . Waste name: BARBAN (OR) CARBAMIC ACID, (3-CHLOROPHENYL)-, 4-CHLORO-2-BUTYNYL ESTER

- . Waste code: U328
- . Waste name: BENZENAMINE, 2-METHYL- (OR) O-TOLUIDINE

- . Waste code: U353
- . Waste name: BENZENAMINE, 4-METHYL- (OR) P-TOLUIDINE

- . Waste code: U359
- . Waste name: ETHANOL, 2-ETHOXY- (OR) ETHYLENE GLYCOL MONOETHYL ETHER

- . Waste code: U364
- . Waste name: BENDIOCARB PHENOL (OR) 1,3-BENZODIOXOL-4-OL, 2,2-DIMETHYL-

- . Waste code: U367
- . Waste name: 7-BENZOFURANOL, 2,3-DIHYDRO-2,2-DIMETHYL- (OR) CARBOFURAN PHENOL

- . Waste code: U372
- . Waste name: CARBAMIC ACID, 1H-BENZIMIDAZOL-2-YL, METHYL ESTER (OR) CARBENDAZIM

- . Waste code: U373
- . Waste name: CARBAMIC ACID, PHENYL-, 1-METHYLETHYL ESTER (OR) PROPHAM

- . Waste code: U387
- . Waste name: CARBAMOTHIOIC ACID, DIPROPYL-, S-(PHENYLMETHYL) ESTER (OR) PROSULFOCARB

- . Waste code: U389
- . Waste name: CARBAMOTHIOIC ACID, BIS(1-METHYLETHYL)-, S-(2,3,3-TRICHLORO-2-PROPENYL) ESTER (OR) TRIALLATE

- . Waste code: U394
- . Waste name: A2213 (OR) ETHANIMIDOTHIOIC ACID, 2-(DIMETHYLAMINO)-N-HYDROXY-2-OXO-, METHYL ESTER

- . Waste code: U395
- . Waste name: DIETHYLENE GLYCOL, DICARBAMATE (OR) ETHANOL, 2,2'-OXYBIS-, DICARBAMATE

- . Waste code: U409
- . Waste name: CARBAMIC ACID, [1,2-PHENYLENEBIS (IMINOCARBONOTHIOYL)]BIS-, DIMETHYL ESTER (OR) THIOPHANATE-METHYL

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. Waste code: U410
. Waste name: ETHANIMIDOTHIOIC ACID, N,N'-[THIOBIS[(METHYLIMINO)CARBONYLOXY]]BIS-, DIMETHYL ESTER (OR) THIODICARB

. Waste code: U411
. Waste name: PHENOL, 2-(1-METHYLETHOXY)-, METHYLCARBAMATE (OR) PROPOXUR

Biennial Reports:

Last Biennial Reporting Year: 2017

Annual Waste Handled:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Amount (Lbs): 1779040.4

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Amount (Lbs): 1203356.2

Waste code: D003
Waste name: A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BE WASTE GUNPOWDER.

Amount (Lbs): 63732

Waste code: D004
Waste name: ARSENIC
Amount (Lbs): 2090934.3

Waste code: D005
Waste name: BARIUM
Amount (Lbs): 2349949.3

Waste code: D006
Waste name: CADMIUM
Amount (Lbs): 2480740.9

Waste code: D007
Waste name: CHROMIUM
Amount (Lbs): 2491207.6

Waste code: D008
Waste name: LEAD

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Amount (Lbs):	2860707.3
Waste code:	D009
Waste name:	MERCURY
Amount (Lbs):	1119051.9
Waste code:	D010
Waste name:	SELENIUM
Amount (Lbs):	2174096.3
Waste code:	D011
Waste name:	SILVER
Amount (Lbs):	2436450.1
Waste code:	D012
Waste name:	ENDRIN
Amount (Lbs):	2086
Waste code:	D013
Waste name:	LINDANE
Amount (Lbs):	46054.7
Waste code:	D014
Waste name:	METHOXYCHLOR
Amount (Lbs):	46054.7
Waste code:	D016
Waste name:	2,4-D
Amount (Lbs):	257725.2
Waste code:	D018
Waste name:	BENZENE
Amount (Lbs):	2659389.7
Waste code:	D019
Waste name:	CARBON TETRACHLORIDE
Amount (Lbs):	411762.7
Waste code:	D020
Waste name:	CHLORDANE
Amount (Lbs):	802629.7
Waste code:	D021
Waste name:	CHLOROBENZENE
Amount (Lbs):	498245.2
Waste code:	D022
Waste name:	CHLOROFORM
Amount (Lbs):	873423.6
Waste code:	D026
Waste name:	CRESOL
Amount (Lbs):	7993.8
Waste code:	D027
Waste name:	1,4-DICHLOROBENZENE
Amount (Lbs):	4308.5

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Waste code: D028
Waste name: 1,2-DICHLOROETHANE
Amount (Lbs): 667917.6

Waste code: D032
Waste name: HEXACHLOROBENZENE
Amount (Lbs): 1553.5

Waste code: D035
Waste name: METHYL ETHYL KETONE
Amount (Lbs): 1422854.8

Waste code: D037
Waste name: PENTRACHLOROPHENOL
Amount (Lbs): 39660.3

Waste code: D038
Waste name: PYRIDINE
Amount (Lbs): 448451.3

Waste code: D039
Waste name: TETRACHLOROETHYLENE
Amount (Lbs): 327289.4

Waste code: D040
Waste name: TRICHLOROETHYLENE
Amount (Lbs): 583994.1

Waste code: D041
Waste name: 2,4,5-TRICHLOROPHENOL
Amount (Lbs): 4308.5

Waste code: D043
Waste name: VINYL CHLORIDE
Amount (Lbs): 308043.7

Waste code: F001
Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING:
TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE,
1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE, AND CHLORINATED
FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING
CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF
ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED
IN F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE
SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 454282.5

Waste code: F002
Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE,
METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE,
CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE,
ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND
1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING,
BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE
OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR
F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND
SPENT SOLVENT MIXTURES.

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Amount (Lbs):	1220403
Waste code:	F003
Waste name:	THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs):	1611850
Waste code:	F004
Waste name:	THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: CRESOLS AND CRESYLIC ACID, AND NITROBENZENE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs):	19290
Waste code:	F005
Waste name:	THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs):	1559841.4
Waste code:	F006
Waste name:	WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.
Amount (Lbs):	19990
Waste code:	P001
Waste name:	2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%
Amount (Lbs):	6414.9
Waste code:	P030
Waste name:	CYANIDES (SOLUBLE CYANIDE SALTS), NOT OTHERWISE SPECIFIED
Amount (Lbs):	3441
Waste code:	P098
Waste name:	POTASSIUM CYANIDE
Amount (Lbs):	1210

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Waste code:	U002
Waste name:	ACETONE (I)
Amount (Lbs):	556839.1
Waste code:	U031
Waste name:	1-BUTANOL (I)
Amount (Lbs):	556839.1
Waste code:	U080
Waste name:	METHANE, DICHLORO-
Amount (Lbs):	7993.8
Waste code:	U112
Waste name:	ACETIC ACID ETHYL ESTER (I)
Amount (Lbs):	253416.8
Waste code:	U122
Waste name:	FORMALDEHYDE
Amount (Lbs):	253416.8
Waste code:	U154
Waste name:	METHANOL (I)
Amount (Lbs):	290009.6
Waste code:	U159
Waste name:	2-BUTANONE (I,T)
Amount (Lbs):	253416.8
Waste code:	U188
Waste name:	PHENOL
Amount (Lbs):	52340.7
Waste code:	U220
Waste name:	BENZENE, METHYL-
Amount (Lbs):	556839.1
Waste code:	U226
Waste name:	ETHANE, 1,1,1-TRICHLORO-
Amount (Lbs):	459
Waste code:	U239
Waste name:	BENZENE, DIMETHYL- (I,T)
Amount (Lbs):	599120.6

Corrective Action Summary:

Event date:	1984-06-01 00:00:00.0
Event:	LEAD AGENCY DETERMINATION
Event date:	1984-06-01 00:00:00.0
Event:	PA OR CERCLA INSPECTION
Event date:	1984-06-01 00:00:00.0
Event:	CA PRIORITIZATION-LOW CA PRIORITY
Event date:	1988-07-28 00:00:00.0
Event:	RFA COMPLETED-ASSESSMENT WAS A RFA

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Event date:	1988-08-01 00:00:00.0
Event:	PA OR CERCLA INSPECTION
Event date:	1993-01-15 00:00:00.0
Event:	CA PRIORITIZATION-LOW CA PRIORITY
Event date:	1993-02-24 00:00:00.0
Event:	STABILIZATION MEASURES EVALUATION-FACILITY NOT AMENABLE TO STABILIZATION
Event date:	2014-08-20 00:00:00.0
Event:	HUMAN EXPOSURES CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE
Event date:	2014-08-20 00:00:00.0
Event:	RELEASE TO GW CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE
Event date:	2014-08-20 00:00:00.0
Event:	REMEDY CONSTRUCTION-REMEDY CONSTRUCTED

Facility Has Received Notices of Violations:

Regulation violated:	Not reported
Area of violation:	State Statute or Regulation
Date violation determined:	2019-02-12 00:00:00.0
Date achieved compliance:	2019-02-12 00:00:00.0
Violation lead agency:	State
Enforcement action:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date:	2019-02-13 00:00:00.0
Enf. disposition status:	Not reported
Enf. disp. status date:	Not reported
Enforcement lead agency:	State
Proposed penalty amount:	Not reported
Final penalty amount:	Not reported
Paid penalty amount:	Not reported

Regulation violated:	Not reported
Area of violation:	TSD - Financial Requirements
Date violation determined:	2017-06-20 00:00:00.0
Date achieved compliance:	2017-07-12 00:00:00.0
Violation lead agency:	State
Enforcement action:	FINANCIAL RECORD REVIEW
Enforcement action date:	2017-06-20 00:00:00.0
Enf. disposition status:	Not reported
Enf. disp. status date:	Not reported
Enforcement lead agency:	State
Proposed penalty amount:	Not reported
Final penalty amount:	Not reported
Paid penalty amount:	Not reported

Regulation violated:	Not reported
Area of violation:	TSD - Air Emission Standards - Tanks/Sl/Containers
Date violation determined:	2014-08-25 00:00:00.0
Date achieved compliance:	2016-07-29 00:00:00.0
Violation lead agency:	EPA
Enforcement action:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date:	2016-07-29 00:00:00.0
Enf. disposition status:	Action Satisfied (Case Closed)

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Enf. disp. status date: 2016-07-29 00:00:00.0
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: 78570
Paid penalty amount: 0

Regulation violated: Not reported
Area of violation: Permits - Conditions
Date violation determined: 2014-08-25 00:00:00.0
Date achieved compliance: 2016-07-29 00:00:00.0
Violation lead agency: EPA
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2016-07-29 00:00:00.0
Enf. disposition status: Action Satisfied (Case Closed)
Enf. disp. status date: 2016-07-29 00:00:00.0
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: 78570
Paid penalty amount: 0

Regulation violated: Not reported
Area of violation: TSD - Container Use and Management
Date violation determined: 2014-08-25 00:00:00.0
Date achieved compliance: 2014-08-26 00:00:00.0
Violation lead agency: EPA
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Air Emission Standards for Equipment Leaks
Date violation determined: 2014-08-25 00:00:00.0
Date achieved compliance: 2016-07-29 00:00:00.0
Violation lead agency: EPA
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2016-07-29 00:00:00.0
Enf. disposition status: Action Satisfied (Case Closed)
Enf. disp. status date: 2016-07-29 00:00:00.0
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: 78570
Paid penalty amount: 0

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 2012-11-28 00:00:00.0
Date achieved compliance: 2013-03-06 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2013-02-01 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported

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Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 2011-08-02 00:00:00.0
Date achieved compliance: 2011-10-17 00:00:00.0
Violation lead agency: State
Enforcement action: FOLLOW-UP INSPECTION
Enforcement action date: 2011-09-29 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: State Statute or Regulation
Date violation determined: 2011-08-02 00:00:00.0
Date achieved compliance: 2011-10-17 00:00:00.0
Violation lead agency: State
Enforcement action: FOLLOW-UP INSPECTION
Enforcement action date: 2011-09-29 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 2009-04-23 00:00:00.0
Date achieved compliance: 2009-07-17 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2009-05-05 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Manifest/Records/Reporting
Date violation determined: 2009-04-23 00:00:00.0
Date achieved compliance: 2009-10-26 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2009-05-05 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State

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Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 2009-04-23 00:00:00.0
Date achieved compliance: 2009-07-20 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2010-09-27 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 40000
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Air Emission Standards - Tanks/Sl/Containers
Date violation determined: 2009-04-23 00:00:00.0
Date achieved compliance: 2009-07-20 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2010-09-27 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 40000
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 2009-04-23 00:00:00.0
Date achieved compliance: 2009-07-20 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2009-05-05 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Manifest/Records/Reporting
Date violation determined: 2009-04-23 00:00:00.0
Date achieved compliance: 2009-10-26 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2010-09-27 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported

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CROSBY & OVERTON (Continued)

1000377893

Final penalty amount: 40000
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Manifest/Records/Reporting
Date violation determined: 2009-04-23 00:00:00.0
Date achieved compliance: 2009-07-17 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2009-05-05 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Container Use and Management
Date violation determined: 2009-04-23 00:00:00.0
Date achieved compliance: 2009-10-26 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2009-05-05 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Preparedness and Prevention
Date violation determined: 2009-04-23 00:00:00.0
Date achieved compliance: 2009-07-20 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2010-09-27 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 40000
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Container Use and Management
Date violation determined: 2009-04-23 00:00:00.0
Date achieved compliance: 2009-10-26 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2010-09-27 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 40000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Air Emission Standards - Tanks/Sl/Containers
Date violation determined: 2009-04-23 00:00:00.0
Date achieved compliance: 2009-07-20 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2009-05-05 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Preparedness and Prevention
Date violation determined: 2009-04-23 00:00:00.0
Date achieved compliance: 2009-07-20 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2009-05-05 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: State Statute or Regulation
Date violation determined: 2008-10-23 00:00:00.0
Date achieved compliance: 2008-10-23 00:00:00.0
Violation lead agency: State
Enforcement action: FOLLOW-UP INSPECTION
Enforcement action date: 2008-10-23 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Transporters - General
Date violation determined: 2008-10-23 00:00:00.0
Date achieved compliance: 2008-10-23 00:00:00.0
Violation lead agency: State
Enforcement action: FOLLOW-UP INSPECTION
Enforcement action date: 2008-10-23 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Regulation violated: Not reported
Area of violation: State Statute or Regulation
Date violation determined: 2008-02-25 00:00:00.0
Date achieved compliance: 2008-02-25 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2008-02-25 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Container Use and Management
Date violation determined: 2008-02-25 00:00:00.0
Date achieved compliance: 2008-02-25 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2008-02-25 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Permit Condition or Requirement
Date violation determined: 2008-02-25 00:00:00.0
Date achieved compliance: 2008-07-13 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2008-02-25 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: State Statute or Regulation
Date violation determined: 2008-02-25 00:00:00.0
Date achieved compliance: 2008-07-13 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2008-02-25 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Area of violation: Generators - Manifest
Date violation determined: 2007-09-19 00:00:00.0
Date achieved compliance: 2007-10-01 00:00:00.0
Violation lead agency: State
Enforcement action: FOLLOW-UP INSPECTION
Enforcement action date: 2007-09-20 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Container Use and Management
Date violation determined: 2007-05-16 00:00:00.0
Date achieved compliance: 2007-05-16 00:00:00.0
Violation lead agency: State
Enforcement action: FOLLOW-UP INSPECTION
Enforcement action date: 2007-05-17 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Container Use and Management
Date violation determined: 2007-03-27 00:00:00.0
Date achieved compliance: 2007-03-27 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2007-03-27 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 2006-01-24 00:00:00.0
Date achieved compliance: 2006-03-27 00:00:00.0
Violation lead agency: State
Enforcement action: FOLLOW-UP INSPECTION
Enforcement action date: 2006-06-30 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Preparedness and Prevention

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Date violation determined: 2006-01-24 00:00:00.0
Date achieved compliance: 2006-03-27 00:00:00.0
Violation lead agency: State
Enforcement action: FOLLOW-UP INSPECTION
Enforcement action date: 2006-01-26 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Preparedness and Prevention
Date violation determined: 2006-01-24 00:00:00.0
Date achieved compliance: 2006-03-27 00:00:00.0
Violation lead agency: State
Enforcement action: FOLLOW-UP INSPECTION
Enforcement action date: 2006-07-27 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 35240
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Preparedness and Prevention
Date violation determined: 2006-01-24 00:00:00.0
Date achieved compliance: 2006-03-27 00:00:00.0
Violation lead agency: State
Enforcement action: FOLLOW-UP INSPECTION
Enforcement action date: 2006-06-30 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Container Use and Management
Date violation determined: 2006-01-24 00:00:00.0
Date achieved compliance: 2006-03-27 00:00:00.0
Violation lead agency: State
Enforcement action: FOLLOW-UP INSPECTION
Enforcement action date: 2006-01-26 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Container Use and Management
Date violation determined: 2006-01-24 00:00:00.0

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Date achieved compliance: 2006-03-27 00:00:00.0
Violation lead agency: State
Enforcement action: FOLLOW-UP INSPECTION
Enforcement action date: 2006-07-27 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 35240
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Container Use and Management
Date violation determined: 2006-01-24 00:00:00.0
Date achieved compliance: 2006-03-27 00:00:00.0
Violation lead agency: State
Enforcement action: FOLLOW-UP INSPECTION
Enforcement action date: 2006-06-30 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 2006-01-24 00:00:00.0
Date achieved compliance: 2006-03-27 00:00:00.0
Violation lead agency: State
Enforcement action: FOLLOW-UP INSPECTION
Enforcement action date: 2006-01-26 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 2006-01-24 00:00:00.0
Date achieved compliance: 2006-03-27 00:00:00.0
Violation lead agency: State
Enforcement action: FOLLOW-UP INSPECTION
Enforcement action date: 2006-07-27 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 35240
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Container Use and Management
Date violation determined: 2005-06-28 00:00:00.0
Date achieved compliance: 2005-06-28 00:00:00.0

Map ID
Direction
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2006-07-27 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 35240
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 2005-06-28 00:00:00.0
Date achieved compliance: 2005-10-05 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2005-06-28 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Container Use and Management
Date violation determined: 2005-06-28 00:00:00.0
Date achieved compliance: 2005-06-28 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2005-06-28 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Container Use and Management
Date violation determined: 2005-06-28 00:00:00.0
Date achieved compliance: 2005-06-28 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2006-06-30 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Tank System Standards
Date violation determined: 2005-06-28 00:00:00.0
Date achieved compliance: 2005-10-05 00:00:00.0
Violation lead agency: State

Map ID
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2006-06-30 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 2005-06-28 00:00:00.0
Date achieved compliance: 2005-10-05 00:00:00.0
Violation lead agency: State

Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2006-06-30 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Tank System Standards
Date violation determined: 2005-06-28 00:00:00.0
Date achieved compliance: 2005-10-05 00:00:00.0
Violation lead agency: State

Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2005-06-28 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Tank System Standards
Date violation determined: 2005-06-28 00:00:00.0
Date achieved compliance: 2005-10-05 00:00:00.0
Violation lead agency: State

Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2006-07-27 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 35240
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 2005-06-28 00:00:00.0
Date achieved compliance: 2005-10-05 00:00:00.0
Violation lead agency: State

Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Enforcement action date: 2006-07-27 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 35240
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Container Use and Management
Date violation determined: 2005-02-09 00:00:00.0
Date achieved compliance: 2005-02-09 00:00:00.0
Violation lead agency: State
Enforcement action: FOLLOW-UP INSPECTION
Enforcement action date: 2005-02-09 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 2005-02-09 00:00:00.0
Date achieved compliance: 2005-02-23 00:00:00.0
Violation lead agency: State
Enforcement action: FOLLOW-UP INSPECTION
Enforcement action date: 2005-02-09 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Container Use and Management
Date violation determined: 2004-11-22 00:00:00.0
Date achieved compliance: 2004-11-23 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2004-11-24 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Container Use and Management
Date violation determined: 2004-08-19 00:00:00.0
Date achieved compliance: 2004-08-19 00:00:00.0
Violation lead agency: State
Enforcement action: FOLLOW-UP INSPECTION
Enforcement action date: 2004-08-19 00:00:00.0

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Container Use and Management
Date violation determined: 2004-08-19 00:00:00.0
Date achieved compliance: 2004-08-19 00:00:00.0
Violation lead agency: State
Enforcement action: FOLLOW-UP INSPECTION
Enforcement action date: 2004-09-30 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Container Use and Management
Date violation determined: 2004-08-19 00:00:00.0
Date achieved compliance: 2004-08-19 00:00:00.0
Violation lead agency: State
Enforcement action: FOLLOW-UP INSPECTION
Enforcement action date: 2005-01-06 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 60000
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 2003-11-04 00:00:00.0
Date achieved compliance: 2004-01-28 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2004-09-30 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 2003-11-04 00:00:00.0
Date achieved compliance: 2003-12-16 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2003-11-17 00:00:00.0
Enf. disposition status: Not reported

Map ID
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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Tank System Standards
Date violation determined: 2003-11-04 00:00:00.0
Date achieved compliance: 2004-06-24 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2005-01-06 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 60000
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Manifest/Records/Reporting
Date violation determined: 2003-11-04 00:00:00.0
Date achieved compliance: 2004-06-24 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2003-11-17 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Manifest/Records/Reporting
Date violation determined: 2003-11-04 00:00:00.0
Date achieved compliance: 2004-06-24 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2005-01-06 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 60000
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 2003-11-04 00:00:00.0
Date achieved compliance: 2004-06-24 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2005-01-06 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 60000
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 2003-11-04 00:00:00.0
Date achieved compliance: 2004-06-24 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2004-09-30 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 2003-11-04 00:00:00.0
Date achieved compliance: 2004-01-28 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2003-11-17 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 2003-11-04 00:00:00.0
Date achieved compliance: 2004-06-24 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2003-11-17 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 2003-11-04 00:00:00.0
Date achieved compliance: 2004-01-28 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2005-01-06 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Proposed penalty amount: Not reported
Final penalty amount: 60000
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Tank System Standards
Date violation determined: 2003-11-04 00:00:00.0
Date achieved compliance: 2004-06-24 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2004-09-30 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Tank System Standards
Date violation determined: 2003-11-04 00:00:00.0
Date achieved compliance: 2004-06-24 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2003-11-17 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Manifest/Records/Reporting
Date violation determined: 2003-11-04 00:00:00.0
Date achieved compliance: 2004-06-24 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2004-09-30 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 2003-11-04 00:00:00.0
Date achieved compliance: 2003-12-16 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2003-11-17 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 2002-09-10 00:00:00.0
Date achieved compliance: 2002-12-10 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2002-09-11 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Financial Requirements
Date violation determined: 2002-09-04 00:00:00.0
Date achieved compliance: 2003-09-02 00:00:00.0
Violation lead agency: State
Enforcement action: FINANCIAL RECORD REVIEW
Enforcement action date: 2002-09-04 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Financial Requirements
Date violation determined: 2001-12-14 00:00:00.0
Date achieved compliance: 2003-09-02 00:00:00.0
Violation lead agency: State
Enforcement action: FINANCIAL RECORD REVIEW
Enforcement action date: 2001-12-14 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Container Use and Management
Date violation determined: 2001-10-31 00:00:00.0
Date achieved compliance: 2001-10-31 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2001-11-01 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Container Use and Management
Date violation determined: 2001-10-31 00:00:00.0
Date achieved compliance: 2002-02-01 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2001-11-01 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 2001-10-31 00:00:00.0
Date achieved compliance: 2002-02-01 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2001-11-01 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Tank System Standards
Date violation determined: 1999-09-29 00:00:00.0
Date achieved compliance: 2000-10-03 00:00:00.0
Violation lead agency: State
Enforcement action: FOLLOW-UP INSPECTION
Enforcement action date: 1999-10-07 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 1999-09-29 00:00:00.0
Date achieved compliance: 1999-11-12 00:00:00.0
Violation lead agency: State
Enforcement action: FOLLOW-UP INSPECTION
Enforcement action date: 1999-10-07 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Regulation violated: Not reported
Area of violation: TSD - Preparedness and Prevention
Date violation determined: 1999-09-29 00:00:00.0
Date achieved compliance: 1999-11-12 00:00:00.0
Violation lead agency: State
Enforcement action: FOLLOW-UP INSPECTION
Enforcement action date: 1999-10-07 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Container Use and Management
Date violation determined: 1999-09-29 00:00:00.0
Date achieved compliance: 1999-11-12 00:00:00.0
Violation lead agency: State
Enforcement action: FOLLOW-UP INSPECTION
Enforcement action date: 1999-10-07 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Container Use and Management
Date violation determined: 1999-09-29 00:00:00.0
Date achieved compliance: 1999-11-12 00:00:00.0
Violation lead agency: State
Enforcement action: FOLLOW-UP INSPECTION
Enforcement action date: 2003-03-17 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 1999-09-29 00:00:00.0
Date achieved compliance: 2000-10-03 00:00:00.0
Violation lead agency: State
Enforcement action: FOLLOW-UP INSPECTION
Enforcement action date: 2003-03-17 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Area of violation: TSD - Preparedness and Prevention
Date violation determined: 1999-09-29 00:00:00.0
Date achieved compliance: 1999-11-12 00:00:00.0
Violation lead agency: State
Enforcement action: FOLLOW-UP INSPECTION
Enforcement action date: 2003-03-17 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 1999-09-29 00:00:00.0
Date achieved compliance: 2000-10-03 00:00:00.0
Violation lead agency: State
Enforcement action: FOLLOW-UP INSPECTION
Enforcement action date: 1999-10-07 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Tank System Standards
Date violation determined: 1999-09-29 00:00:00.0
Date achieved compliance: 2000-10-03 00:00:00.0
Violation lead agency: State
Enforcement action: FOLLOW-UP INSPECTION
Enforcement action date: 2003-03-17 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 1999-06-21 00:00:00.0
Date achieved compliance: 1999-11-11 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1999-06-21 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Date violation determined: 1999-06-21 00:00:00.0
Date achieved compliance: 1999-11-11 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2003-03-17 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Manifest/Records/Reporting
Date violation determined: 1999-06-21 00:00:00.0
Date achieved compliance: 1999-11-11 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1999-06-21 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Manifest/Records/Reporting
Date violation determined: 1999-06-21 00:00:00.0
Date achieved compliance: 1999-11-11 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2003-03-17 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 264.10-18.B
Area of violation: TSD - General
Date violation determined: 1998-02-26 00:00:00.0
Date achieved compliance: 1998-04-29 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1998-04-24 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 4000
Paid penalty amount: 4000

Regulation violated: F - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 1993-02-04 00:00:00.0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Date achieved compliance: 1993-07-09 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1993-02-04 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 264.70-77.E
Area of violation: TSD - General
Date violation determined: 1993-02-04 00:00:00.0
Date achieved compliance: 1993-02-18 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1993-02-04 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 268 ALL
Area of violation: LDR - General
Date violation determined: 1993-02-04 00:00:00.0
Date achieved compliance: 1993-02-18 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1993-02-04 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.10-18.B
Area of violation: TSD - General
Date violation determined: 1991-12-06 00:00:00.0
Date achieved compliance: 1992-02-06 00:00:00.0
Violation lead agency: EPA
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 1990-05-08 00:00:00.0
Date achieved compliance: 1990-11-02 00:00:00.0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Violation lead agency: State
Enforcement action: FINANCIAL RECORD REVIEW
Enforcement action date: 1990-08-29 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 270
Area of violation: TSD - General
Date violation determined: 1990-04-16 00:00:00.0
Date achieved compliance: 1991-10-14 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1990-05-24 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 146500
Final penalty amount: 146500
Paid penalty amount: Not reported

Regulation violated: F - 270
Area of violation: TSD - General
Date violation determined: 1989-10-17 00:00:00.0
Date achieved compliance: 1989-10-18 00:00:00.0
Violation lead agency: State
Enforcement action: FINANCIAL RECORD REVIEW
Enforcement action date: 1989-11-22 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 264.70-77.E
Area of violation: TSD - General
Date violation determined: 1989-10-17 00:00:00.0
Date achieved compliance: 1989-10-18 00:00:00.0
Violation lead agency: State
Enforcement action: FINANCIAL RECORD REVIEW
Enforcement action date: 1989-11-22 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 270
Area of violation: TSD - General
Date violation determined: 1989-10-11 00:00:00.0
Date achieved compliance: 1989-12-15 00:00:00.0
Violation lead agency: State

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1989-11-22 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 264.70-77.E
Area of violation: TSD - General
Date violation determined: 1989-10-11 00:00:00.0
Date achieved compliance: 1989-12-15 00:00:00.0
Violation lead agency: State

Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1989-11-22 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 1989-07-26 00:00:00.0
Date achieved compliance: 1990-06-20 00:00:00.0
Violation lead agency: EPA

Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1990-06-20 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 268 ALL
Area of violation: LDR - General
Date violation determined: 1989-02-17 00:00:00.0
Date achieved compliance: 1990-02-15 00:00:00.0
Violation lead agency: State

Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1988-12-22 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 268.7
Area of violation: LDR - General
Date violation determined: 1989-02-17 00:00:00.0
Date achieved compliance: 1990-02-15 00:00:00.0
Violation lead agency: State

Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Enforcement action date: 1989-04-13 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 270
Area of violation: TSD - General
Date violation determined: 1989-02-17 00:00:00.0
Date achieved compliance: 1990-02-15 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1989-04-13 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 264.70-77.E
Area of violation: TSD - General
Date violation determined: 1989-02-17 00:00:00.0
Date achieved compliance: 1990-02-15 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1989-04-13 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 270
Area of violation: TSD - General
Date violation determined: 1989-02-17 00:00:00.0
Date achieved compliance: 1990-02-15 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1988-12-22 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 264.70-77.E
Area of violation: TSD - General
Date violation determined: 1989-02-17 00:00:00.0
Date achieved compliance: 1990-02-15 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1988-12-22 00:00:00.0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 268.7
Area of violation: LDR - General
Date violation determined: 1989-02-17 00:00:00.0
Date achieved compliance: 1990-02-15 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1988-12-22 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 268 ALL
Area of violation: LDR - General
Date violation determined: 1989-02-17 00:00:00.0
Date achieved compliance: 1990-02-15 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1989-04-13 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 1989-02-08 00:00:00.0
Date achieved compliance: 1989-10-18 00:00:00.0
Violation lead agency: State
Enforcement action: FINANCIAL RECORD REVIEW
Enforcement action date: 1988-12-28 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 1989-02-08 00:00:00.0
Date achieved compliance: 1989-10-18 00:00:00.0
Violation lead agency: State
Enforcement action: FINANCIAL RECORD REVIEW
Enforcement action date: 1989-08-29 00:00:00.0
Enf. disposition status: Not reported

Map ID
Direction
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 79000
Paid penalty amount: 79000

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 1987-12-03 00:00:00.0
Date achieved compliance: 1989-02-17 00:00:00.0
Violation lead agency: EPA
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1988-02-19 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268.7
Area of violation: LDR - General
Date violation determined: 1987-12-03 00:00:00.0
Date achieved compliance: 1989-02-17 00:00:00.0
Violation lead agency: EPA
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1988-02-19 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268 ALL
Area of violation: LDR - General
Date violation determined: 1987-12-03 00:00:00.0
Date achieved compliance: 1989-02-17 00:00:00.0
Violation lead agency: EPA
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1988-02-19 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 1987-11-24 00:00:00.0
Date achieved compliance: 1989-10-18 00:00:00.0
Violation lead agency: State
Enforcement action: FINANCIAL RECORD REVIEW
Enforcement action date: 1988-12-28 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 1987-11-24 00:00:00.0
Date achieved compliance: 1989-10-18 00:00:00.0
Violation lead agency: State
Enforcement action: FINANCIAL RECORD REVIEW
Enforcement action date: 1987-12-21 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.70-77.E
Area of violation: TSD - General
Date violation determined: 1987-11-12 00:00:00.0
Date achieved compliance: 1989-12-15 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1988-12-22 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.70-77.E
Area of violation: TSD - General
Date violation determined: 1987-11-12 00:00:00.0
Date achieved compliance: 1989-12-15 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1987-12-07 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 1987-11-12 00:00:00.0
Date achieved compliance: 1989-12-15 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1987-11-12 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.70-77.E
Area of violation: TSD - General
Date violation determined: 1987-11-12 00:00:00.0
Date achieved compliance: 1989-12-15 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1987-11-12 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 1987-11-12 00:00:00.0
Date achieved compliance: 1989-12-15 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1988-12-22 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.70-77.E
Area of violation: TSD - General
Date violation determined: 1987-11-12 00:00:00.0
Date achieved compliance: 1989-12-15 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1988-12-28 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 1987-11-12 00:00:00.0
Date achieved compliance: 1989-12-15 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1987-12-07 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268 ALL
Area of violation: LDR - General
Date violation determined: 1987-11-12 00:00:00.0
Date achieved compliance: 1989-12-15 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1988-12-22 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268.7
Area of violation: LDR - General
Date violation determined: 1987-11-12 00:00:00.0
Date achieved compliance: 1989-12-15 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1988-12-22 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 1987-11-12 00:00:00.0
Date achieved compliance: 1989-12-15 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1988-12-28 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268.7
Area of violation: LDR - General
Date violation determined: 1987-11-12 00:00:00.0
Date achieved compliance: 1989-12-15 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1988-12-28 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Paid penalty amount: Not reported

Regulation violated: FR - 268 ALL
Area of violation: LDR - General
Date violation determined: 1987-11-12 00:00:00.0
Date achieved compliance: 1989-12-15 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1988-12-28 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 2009-04-23 00:00:00.0
Evaluation: SINGLE SITE CA/FO
Area of violation: TSD - Air Emission Standards - Tanks/Sl/Containers
Date achieved compliance: 2009-07-20 00:00:00.0
Evaluation lead agency: State

Evaluation date: 2009-04-23 00:00:00.0
Evaluation: SINGLE SITE CA/FO
Area of violation: TSD - Container Use and Management
Date achieved compliance: 2009-10-26 00:00:00.0
Evaluation lead agency: State

Evaluation date: 2009-04-23 00:00:00.0
Evaluation: SINGLE SITE CA/FO
Area of violation: TSD - Preparedness and Prevention
Date achieved compliance: 2009-07-20 00:00:00.0
Evaluation lead agency: State

Evaluation date: 2009-04-23 00:00:00.0
Evaluation: SINGLE SITE CA/FO
Area of violation: TSD - General Facility Standards
Date achieved compliance: 2009-07-20 00:00:00.0
Evaluation lead agency: State

Evaluation date: 2009-04-23 00:00:00.0
Evaluation: SINGLE SITE CA/FO
Area of violation: TSD - Manifest/Records/Reporting
Date achieved compliance: 2009-10-26 00:00:00.0
Evaluation lead agency: State

Evaluation date: 2006-01-24 00:00:00.0
Evaluation: SINGLE SITE CA/FO
Area of violation: TSD - General Facility Standards
Date achieved compliance: 2006-03-27 00:00:00.0
Evaluation lead agency: State

Evaluation date: 2006-01-24 00:00:00.0
Evaluation: SINGLE SITE CA/FO
Area of violation: TSD - Container Use and Management
Date achieved compliance: 2006-03-27 00:00:00.0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Evaluation lead agency: State

Evaluation date: 2006-01-24 00:00:00.0
Evaluation: SINGLE SITE CA/FO
Area of violation: TSD - Preparedness and Prevention
Date achieved compliance: 2006-03-27 00:00:00.0
Evaluation lead agency: State

Evaluation date: 2006-01-24 00:00:00.0
Evaluation: LETTER OF INTENT TO INITIATE ENFORCEMENT ACTION
Area of violation: TSD - Container Use and Management
Date achieved compliance: 2006-03-27 00:00:00.0
Evaluation lead agency: State

Evaluation date: 2006-01-24 00:00:00.0
Evaluation: LETTER OF INTENT TO INITIATE ENFORCEMENT ACTION
Area of violation: TSD - General Facility Standards
Date achieved compliance: 2006-03-27 00:00:00.0
Evaluation lead agency: State

Evaluation date: 2006-01-24 00:00:00.0
Evaluation: LETTER OF INTENT TO INITIATE ENFORCEMENT ACTION
Area of violation: TSD - Preparedness and Prevention
Date achieved compliance: 2006-03-27 00:00:00.0
Evaluation lead agency: State

Evaluation date: 2005-06-28 00:00:00.0
Evaluation: SINGLE SITE CA/FO
Area of violation: TSD - General Facility Standards
Date achieved compliance: 2005-10-05 00:00:00.0
Evaluation lead agency: State

Evaluation date: 2005-06-28 00:00:00.0
Evaluation: LETTER OF INTENT TO INITIATE ENFORCEMENT ACTION
Area of violation: TSD - Tank System Standards
Date achieved compliance: 2005-10-05 00:00:00.0
Evaluation lead agency: State

Evaluation date: 2005-06-28 00:00:00.0
Evaluation: LETTER OF INTENT TO INITIATE ENFORCEMENT ACTION
Area of violation: TSD - Container Use and Management
Date achieved compliance: 2005-06-28 00:00:00.0
Evaluation lead agency: State

Evaluation date: 2005-06-28 00:00:00.0
Evaluation: SINGLE SITE CA/FO
Area of violation: TSD - Container Use and Management
Date achieved compliance: 2005-06-28 00:00:00.0
Evaluation lead agency: State

Evaluation date: 2005-06-28 00:00:00.0
Evaluation: SINGLE SITE CA/FO
Area of violation: TSD - Tank System Standards
Date achieved compliance: 2005-10-05 00:00:00.0
Evaluation lead agency: State

Evaluation date: 2005-06-28 00:00:00.0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Evaluation: LETTER OF INTENT TO INITIATE ENFORCEMENT ACTION
Area of violation: TSD - General Facility Standards
Date achieved compliance: 2005-10-05 00:00:00.0
Evaluation lead agency: State

Evaluation date: 2004-08-19 00:00:00.0
Evaluation: LETTER OF INTENT TO INITIATE ENFORCEMENT ACTION
Area of violation: TSD - Container Use and Management
Date achieved compliance: 2004-08-19 00:00:00.0
Evaluation lead agency: State

Evaluation date: 2004-08-19 00:00:00.0
Evaluation: SINGLE SITE CA/FO
Area of violation: TSD - Container Use and Management
Date achieved compliance: 2004-08-19 00:00:00.0
Evaluation lead agency: State

Evaluation date: 2003-11-04 00:00:00.0
Evaluation: SINGLE SITE CA/FO
Area of violation: TSD - Manifest/Records/Reporting
Date achieved compliance: 2004-06-24 00:00:00.0
Evaluation lead agency: State

Evaluation date: 2003-11-04 00:00:00.0
Evaluation: LETTER OF INTENT TO INITIATE ENFORCEMENT ACTION
Area of violation: TSD - Manifest/Records/Reporting
Date achieved compliance: 2004-06-24 00:00:00.0
Evaluation lead agency: State

Evaluation date: 2003-11-04 00:00:00.0
Evaluation: SINGLE SITE CA/FO
Area of violation: TSD - Tank System Standards
Date achieved compliance: 2004-06-24 00:00:00.0
Evaluation lead agency: State

Evaluation date: 2003-11-04 00:00:00.0
Evaluation: LETTER OF INTENT TO INITIATE ENFORCEMENT ACTION
Area of violation: TSD - General Facility Standards
Date achieved compliance: 2004-01-28 00:00:00.0
Evaluation lead agency: State

Evaluation date: 2003-11-04 00:00:00.0
Evaluation: LETTER OF INTENT TO INITIATE ENFORCEMENT ACTION
Area of violation: TSD - General Facility Standards
Date achieved compliance: 2004-06-24 00:00:00.0
Evaluation lead agency: State

Evaluation date: 2003-11-04 00:00:00.0
Evaluation: SINGLE SITE CA/FO
Area of violation: TSD - General Facility Standards
Date achieved compliance: 2004-01-28 00:00:00.0
Evaluation lead agency: State

Evaluation date: 2003-11-04 00:00:00.0
Evaluation: LETTER OF INTENT TO INITIATE ENFORCEMENT ACTION
Area of violation: TSD - Tank System Standards
Date achieved compliance: 2004-06-24 00:00:00.0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Evaluation lead agency: State

Evaluation date: 2003-11-04 00:00:00.0
Evaluation: SINGLE SITE CA/FO
Area of violation: TSD - General Facility Standards
Date achieved compliance: 2004-06-24 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1999-09-29 00:00:00.0
Evaluation: CRIMINAL CONVICTION
Area of violation: TSD - Preparedness and Prevention
Date achieved compliance: 1999-11-12 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1999-09-29 00:00:00.0
Evaluation: CRIMINAL CONVICTION
Area of violation: TSD - Tank System Standards
Date achieved compliance: 2000-10-03 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1999-09-29 00:00:00.0
Evaluation: CRIMINAL CONVICTION
Area of violation: TSD - General Facility Standards
Date achieved compliance: 2000-10-03 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1999-09-29 00:00:00.0
Evaluation: CRIMINAL CONVICTION
Area of violation: TSD - Container Use and Management
Date achieved compliance: 1999-11-12 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1999-06-21 00:00:00.0
Evaluation: CRIMINAL CONVICTION
Area of violation: TSD - Manifest/Records/Reporting
Date achieved compliance: 1999-11-11 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1999-06-21 00:00:00.0
Evaluation: CRIMINAL CONVICTION
Area of violation: TSD - General Facility Standards
Date achieved compliance: 1999-11-11 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1998-02-26 00:00:00.0
Evaluation: FINAL 3008(A) COMPLIANCE ORDER
Area of violation: TSD - General
Date achieved compliance: 1998-04-29 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1992-12-21 00:00:00.0
Evaluation: WRITTEN INFORMAL
Area of violation: TSD - General
Date achieved compliance: 1993-02-18 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1992-12-21 00:00:00.0

Map ID
Direction
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Evaluation: WRITTEN INFORMAL
Area of violation: LDR - General
Date achieved compliance: 1993-02-18 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1992-12-21 00:00:00.0
Evaluation: WRITTEN INFORMAL
Area of violation: TSD - Financial Requirements
Date achieved compliance: 1993-07-09 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1990-05-08 00:00:00.0
Evaluation: FINAL 3008(H) I.S. CA ORDER
Area of violation: TSD - Financial Requirements
Date achieved compliance: 1990-11-02 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1990-04-16 00:00:00.0
Evaluation: INITIAL 3008(A) COMPLIANCE
Area of violation: TSD - General
Date achieved compliance: 1991-10-14 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1989-10-17 00:00:00.0
Evaluation: WRITTEN INFORMAL
Area of violation: TSD - General
Date achieved compliance: 1989-10-18 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1989-10-11 00:00:00.0
Evaluation: WRITTEN INFORMAL
Area of violation: TSD - General
Date achieved compliance: 1989-12-15 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1989-07-26 00:00:00.0
Evaluation: WRITTEN INFORMAL
Area of violation: TSD - General
Date achieved compliance: 1990-06-20 00:00:00.0
Evaluation lead agency: EPA

Evaluation date: 1989-02-17 00:00:00.0
Evaluation: INITIAL 3008(A) COMPLIANCE
Area of violation: TSD - General
Date achieved compliance: 1990-02-15 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1989-02-17 00:00:00.0
Evaluation: WRITTEN INFORMAL
Area of violation: TSD - General
Date achieved compliance: 1990-02-15 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1989-02-17 00:00:00.0
Evaluation: INITIAL 3008(A) COMPLIANCE
Area of violation: LDR - General
Date achieved compliance: 1990-02-15 00:00:00.0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Evaluation lead agency: State

Evaluation date: 1989-02-17 00:00:00.0
Evaluation: WRITTEN INFORMAL
Area of violation: LDR - General
Date achieved compliance: 1990-02-15 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1989-02-08 00:00:00.0
Evaluation: FINAL 3008(A) COMPLIANCE ORDER
Area of violation: TSD - Financial Requirements
Date achieved compliance: 1989-10-18 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1989-02-08 00:00:00.0
Evaluation: INITIAL 3008(A) COMPLIANCE
Area of violation: TSD - Financial Requirements
Date achieved compliance: 1989-10-18 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1987-11-24 00:00:00.0
Evaluation: INITIAL 3008(A) COMPLIANCE
Area of violation: TSD - Financial Requirements
Date achieved compliance: 1989-10-18 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1987-11-24 00:00:00.0
Evaluation: WRITTEN INFORMAL
Area of violation: TSD - Financial Requirements
Date achieved compliance: 1989-10-18 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1987-11-12 00:00:00.0
Evaluation: INITIAL 3008(A) COMPLIANCE
Area of violation: LDR - General
Date achieved compliance: 1989-12-15 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1987-11-12 00:00:00.0
Evaluation: INITIAL 3008(A) COMPLIANCE
Area of violation: TSD - General
Date achieved compliance: 1989-12-15 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1987-11-12 00:00:00.0
Evaluation: WRITTEN INFORMAL
Area of violation: TSD - General
Date achieved compliance: 1989-12-15 00:00:00.0
Evaluation lead agency: State

RCRA-LQG:

Date form received by agency: 2017-02-17 00:00:00.0
Facility name: CROSBY & OVERTON
Facility address: 1630 W. 17TH STREET
LONG BEACH, CA 90813-0000
EPA ID: CAD028409019
Mailing address: W. 17TH STREET
CA90813 CA037US 1630

Map ID
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Contact: LONG BEACH, CA 90813
Contact address: MICHAEL SHLOUB
W 17TH ST
LONG BEACH, CA 90813
Contact country: US
Contact telephone: 562-432-5445
Telephone ext.: 222
Contact email: MSHLOUB@CROSBYOVERTON.COM
EPA Region: 09
Land type: Private
Classification: TSDF
Description: Handler is engaged in the treatment, storage or disposal of hazardous waste
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name: CROSBY & OVERTON
Owner/operator address: W. 17TH STREET
LONG BEACH, CA 90813
Owner/operator country: US
Owner/operator telephone: 562-432-5445
Owner/operator email: MSHLOUB@CROSBYOVERTON.COM
Owner/operator fax: Not reported
Owner/operator extension: 222
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 1959-08-29 00:00:00.
Owner/Op end date: Not reported

Owner/operator name: CROSBY & OVERTON
Owner/operator address: W. 17TH STREET
LONG BEACH, CA 90813
Owner/operator country: US
Owner/operator telephone: 562-432-5445
Owner/operator email: MSHLOUB@CROSBYOVERTON.COM
Owner/operator fax: Not reported
Owner/operator extension: 222
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 1959-08-29 00:00:00.
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No

Map ID
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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: Yes
Treater, storer or disposer of HW: Yes
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 2016-10-26 00:00:00.0
Site name: CROSBY & OVERTON, INC
Classification: Large Quantity Generator

Date form received by agency: 2014-03-01 00:00:00.0
Site name: CROSBY & OVERTON
Classification: Large Quantity Generator

Date form received by agency: 2012-11-05 00:00:00.0
Site name: CROSBY & OVERTON
Classification: Large Quantity Generator

Date form received by agency: 2010-09-28 00:00:00.0
Site name: CROSBY & OVERTON
Classification: Large Quantity Generator

Date form received by agency: 2007-04-01 00:00:00.0
Site name: CROSBY AND OVERTON PLANT # 1
Classification: Large Quantity Generator

Date form received by agency: 2006-02-28 00:00:00.0
Site name: CROSBY AND OVERTON
Classification: Large Quantity Generator

Date form received by agency: 2003-04-23 00:00:00.0
Site name: CROSBY & OVERTON
Classification: Large Quantity Generator

Date form received by agency: 2002-05-03 00:00:00.0
Site name: CROSBY & OVERTON
Classification: Large Quantity Generator

Date form received by agency: 2001-03-16 00:00:00.0
Site name: CROSBY & OVERTON, INC.
Classification: Large Quantity Generator

Date form received by agency: 1999-04-15 00:00:00.0
Site name: CROSBY & OVERTON, INC.
Classification: Not a generator, verified

Date form received by agency: 1996-09-01 00:00:00.0

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Site name: CROSBY & OVERTON PLT NO 1
Classification: Large Quantity Generator

Date form received by agency: 1996-08-16 00:00:00.0
Site name: CROSBY AND OVERTON INC
Classification: Large Quantity Generator

Date form received by agency: 1994-03-31 00:00:00.0
Site name: CROSBY & OVERTON PLANT #1
Classification: Large Quantity Generator

Date form received by agency: 1992-02-28 00:00:00.0
Site name: CROSBY & OVERTON - PLANT #1
Classification: Large Quantity Generator

Date form received by agency: 1990-10-26 00:00:00.0
Site name: CROSBY & OVERTON, INC.
Classification: Large Quantity Generator

Date form received by agency: 1980-07-18 00:00:00.0
Site name: CROSBY & OVERTON PLT NO 1
Classification: Large Quantity Generator

Hazardous Waste Summary:

- . Waste code: 121
- . Waste name: Alkaline solution (pH >12.5) with metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc)

- . Waste code: 122
- . Waste name: Alkaline solution without metals (pH > 12.5)

- . Waste code: 123
- . Waste name: Unspecified alkaline solution

- . Waste code: 131
- . Waste name: Aqueous solution (2 < pH < 12.5) containing reactive anions (azide, bromate, chlorate, cyanide, fluoride, hypochlorite, nitrite, perchlorate, and sulfide anions)

- . Waste code: 132
- . Waste name: Aqueous solution w/metals (< restricted levels and see waste code 121 for a list of metals)

- . Waste code: 133
- . Waste name: Aqueous solution with 10% or more total organic residues

- . Waste code: 134
- . Waste name: Aqueous solution with <10% total organic residues

- . Waste code: 135
- . Waste name: Unspecified aqueous solution

- . Waste code: 141
- . Waste name: Off-specification, aged, or surplus inorganics

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- . Waste code: 151
- . Waste name: Asbestos-containing waste

- . Waste code: 161
- . Waste name: Fluid-cracking catalyst (FCC) waste

- . Waste code: 171
- . Waste name: Metal sludge (see 121)

- . Waste code: 172
- . Waste name: Metal dust (see 121) and machining waste

- . Waste code: 181
- . Waste name: Other inorganic solid waste

- . Waste code: 211
- . Waste name: Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.)

- . Waste code: 212
- . Waste name: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)

- . Waste code: 213
- . Waste name: Hydrocarbon solvents (benzene, hexane, Stoddard, etc.)

- . Waste code: 214
- . Waste name: Unspecified solvent mixture

- . Waste code: 221
- . Waste name: Waste oil and mixed oil

- . Waste code: 222
- . Waste name: Oil/water separation sludge

- . Waste code: 223
- . Waste name: Unspecified oil-containing waste

- . Waste code: 231
- . Waste name: Pesticide rinse water

- . Waste code: 232
- . Waste name: Pesticides and other waste associated with pesticide production

- . Waste code: 241
- . Waste name: Tank bottom waste

- . Waste code: 251
- . Waste name: Still bottoms with halogenated organics

- . Waste code: 252
- . Waste name: Other still bottom waste

- . Waste code: 261
- . Waste name: Polychlorinated biphenyls and material containing PCB's

- . Waste code: 271
- . Waste name: Organic monomer waste (includes unreacted resins)

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- . Waste code: 272
- . Waste name: Polymeric resin waste

- . Waste code: 281
- . Waste name: Adhesives

- . Waste code: 291
- . Waste name: Latex waste

- . Waste code: 311
- . Waste name: Pharmaceutical waste

- . Waste code: 331
- . Waste name: Off-specification, aged, or surplus organics

- . Waste code: 341
- . Waste name: Organic liquids (nonsolvents) with halogens

- . Waste code: 342
- . Waste name: Organic liquids with metals (see 121)

- . Waste code: 343
- . Waste name: Unspecified organic liquid mixture

- . Waste code: 351
- . Waste name: Organic solids with halogens

- . Waste code: 352
- . Waste name: Other organic solids

- . Waste code: 411
- . Waste name: Alum and gypsum sludge

- . Waste code: 421
- . Waste name: Lime sludge

- . Waste code: 431
- . Waste name: Phosphate sludge

- . Waste code: 441
- . Waste name: Sulfur sludge

- . Waste code: 451
- . Waste name: Degreasing sludge

- . Waste code: 461
- . Waste name: Degreasing sludge

- . Waste code: 481
- . Waste name: Tetraethyl lead sludge

- . Waste code: 491
- . Waste name: Unspecified sludge waste

- . Waste code: 511
- . Waste name: Empty pesticide containers 30 gallons or more

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- . Waste code: 512
- . Waste name: Other empty containers 30 gallons or more

- . Waste code: 513
- . Waste name: Empty containers less than 30 gallons

- . Waste code: 521
- . Waste name: Drilling mud

- . Waste code: 541
- . Waste name: Photochemicals / photo processing waste

- . Waste code: 551
- . Waste name: Laboratory waste chemicals

- . Waste code: 561
- . Waste name: Detergent and soap

- . Waste code: 571
- . Waste name: Fly ash, bottom ash, and retort ash

- . Waste code: 591
- . Waste name: Baghouse waste

- . Waste code: 611
- . Waste name: Contaminated soil from site clean-ups

- . Waste code: 612
- . Waste name: Household waste

- . Waste code: 724
- . Waste name: Liquids with lead > 500 mg/l

- . Waste code: 725
- . Waste name: Liquids with mercury > 20 mg/l

- . Waste code: 741
- . Waste name: Liquids with halogenated organic compounds > 1000 mg/l

- . Waste code: 751
- . Waste name: Solids or sludge with halogenated organic comp. > 1000 mg/kg

- . Waste code: 791
- . Waste name: Liquids with pH < 2

- . Waste code: 792
- . Waste name: Liquids with pH < 2 with metals

- . Waste code: D001
- . Waste name: IGNITABLE WASTE

- . Waste code: D002
- . Waste name: CORROSIVE WASTE

- . Waste code: D003
- . Waste name: REACTIVE WASTE

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. Waste code:	D004
. Waste name:	ARSENIC
. Waste code:	D005
. Waste name:	BARIUM
. Waste code:	D006
. Waste name:	CADMIUM
. Waste code:	D007
. Waste name:	CHROMIUM
. Waste code:	D008
. Waste name:	LEAD
. Waste code:	D009
. Waste name:	MERCURY
. Waste code:	D010
. Waste name:	SELENIUM
. Waste code:	D011
. Waste name:	SILVER
. Waste code:	D012
. Waste name:	ENDRIN (1,2,3,4,10,10-HEXACHLORO-1,7-EPOXY-1,4,4A,5,6,7,8,8A-OCTAHYDRO-1,4-EN DO, ENDO-5,8-DIMETH-ANO-NAPHTHALENE)
. Waste code:	D013
. Waste name:	LINDANE (1,2,3,4,5,6-HEXA-CHLOROCYCLOHEXANE, GAMMA ISOMER)
. Waste code:	D014
. Waste name:	METHOXYCHLOR (1,1,1-TRICHLORO-2,2-BIS [P-METHOXYPHENYL] ETHANE)
. Waste code:	D015
. Waste name:	TOXAPHENE (C10 H10 CL8, TECHNICAL CHLORINATED CAMPHENE, 67-69 PERCENT CHLORINE)
. Waste code:	D016
. Waste name:	2,4-D (2,4-DICHLOROPHENOXYACETIC ACID)
. Waste code:	D017
. Waste name:	2,4,5-TP SILVEX (2,4,5-TRICHLOROPHENOXYPROPIONIC ACID)
. Waste code:	D018
. Waste name:	BENZENE
. Waste code:	D019
. Waste name:	CARBON TETRACHLORIDE
. Waste code:	D020
. Waste name:	CHLORDANE
. Waste code:	D021
. Waste name:	CHLOROBENZENE

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. Waste code:	D022
. Waste name:	CHLOROFORM
. Waste code:	D023
. Waste name:	O-CRESOL
. Waste code:	D024
. Waste name:	M-CRESOL
. Waste code:	D025
. Waste name:	P-CRESOL
. Waste code:	D026
. Waste name:	CRESOL
. Waste code:	D027
. Waste name:	1,4-DICHLOROBENZENE
. Waste code:	D028
. Waste name:	1,2-DICHLOROETHANE
. Waste code:	D029
. Waste name:	1,1-DICHLOROETHYLENE
. Waste code:	D030
. Waste name:	2,4-DINITROTOLUENE
. Waste code:	D031
. Waste name:	HEPTACHLOR (AND ITS EPOXIDE)
. Waste code:	D032
. Waste name:	HEXACHLOROBENZENE
. Waste code:	D033
. Waste name:	HEXACHLOROBUTADIENE
. Waste code:	D034
. Waste name:	HEXACHLOROETHANE
. Waste code:	D035
. Waste name:	METHYL ETHYL KETONE
. Waste code:	D036
. Waste name:	NITROBENZENE
. Waste code:	D037
. Waste name:	PENTACHLOROPHENOL
. Waste code:	D038
. Waste name:	PYRIDINE
. Waste code:	D039
. Waste name:	TETRACHLOROETHYLENE
. Waste code:	D040
. Waste name:	TRICHLORETHYLENE

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- . Waste code: D041
- . Waste name: 2,4,5-TRICHLOROPHENOL

- . Waste code: D042
- . Waste name: 2,4,6-TRICHLOROPHENOL

- . Waste code: D043
- . Waste name: VINYL CHLORIDE

- . Waste code: F001
- . Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

- . Waste code: F002
- . Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

- . Waste code: F003
- . Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

- . Waste code: F004
- . Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: CRESOLS, CRESYLIC ACID, AND NITROBENZENE; AND THE STILL BOTTOMS FROM THE RECOVERY OF THESE SOLVENTS; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

- . Waste code: F005
- . Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS

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LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

- . Waste code: F006
- . Waste name: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS, EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC, AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

- . Waste code: F007
- . Waste name: SPENT CYANIDE PLATING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS.

- . Waste code: F008
- . Waste name: PLATING BATH RESIDUES FROM THE BOTTOM OF PLATING BATHS FROM ELECTROPLATING OPERATIONS IN WHICH CYANIDES ARE USED IN THE PROCESS.

- . Waste code: F009
- . Waste name: SPENT STRIPPING AND CLEANING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS IN WHICH CYANIDES ARE USED IN THE PROCESS.

- . Waste code: F010
- . Waste name: QUENCHING BATH RESIDUES FROM OIL BATHS FROM METAL HEAT TREATING OPERATIONS IN WHICH CYANIDES ARE USED IN THE PROCESS.

- . Waste code: F011
- . Waste name: SPENT CYANIDE SOLUTIONS FROM SLAT BATH POT CLEANING FROM METAL HEAT TREATING OPERATIONS.

- . Waste code: F012
- . Waste name: QUENCHING WASTEWATER TREATMENT SLUDGES FROM METAL HEAT TREATING OPERATIONS IN WHICH CYANIDES ARE USED IN THE PROCESS.

- . Waste code: F019
- . Waste name: WASTEWATER TREATMENT SLUDGES FROM THE CHEMICAL CONVERSION COATING OF ALUMINUM, EXCEPT FROM ZIRCONIUM PHOSPHATING IN ALUMINUM CAN WASHING WHEN SUCH PHOSPHATING IS AN EXCLUSIVE CONVERSION COATING PROCESS.

- . Waste code: F020
- . Waste name: WASTES (EXCEPT WASTEWATER AND SPENT CARBON FROM HYDROGEN CHLORIDE PURIFICATION) FROM THE PRODUCTION OR MANUFACTURING USE (AS A REACTANT, CHEMICAL INTERMEDIATE, OR COMPONENT IN A FORMULATING PROCESS) OF TRI- OR TETRACHLOROPHENOL OR OF INTERMEDIATES USED TO PRODUCE THEIR PESTICIDE DERIVATIVES. (THIS LISTING DOES NOT INCLUDE WASTES FROM THE PRODUCTION OF HEXACHLOROPHENE FROM HIGHLY PURIFIED 2,4,5-TRICHLOROPHENOL.)

- . Waste code: F021
- . Waste name: WASTES (EXCEPT WASTEWATER AND SPENT CARBON FROM HYDROGEN CHLORIDE PURIFICATION) FROM THE PRODUCTION OR MANUFACTURING USE (AS A REACTANT, CHEMICAL INTERMEDIATE, OR COMPONENT IN A FORMULATING PROCESS) OF PENTACHLOROPHENOL, OR OF INTERMEDIATES USED TO PRODUCE DERIVATIVES.

- . Waste code: F022
- . Waste name: WASTES (EXCEPT WASTEWATER AND SPENT CARBON FROM HYDROGEN CHLORIDE

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PURIFICATION) FROM THE MANUFACTURING USE (AS A REACTANT, CHEMICAL INTERMEDIATE, OR COMPONENT IN A FORMULATING PROCESS) OF TETRA-, PENTA-, OR HEXACHLOROBENZENES UNDER ALKALINE CONDITIONS.

- . Waste code: F023
- . Waste name: WASTES (EXCEPT WASTEWATER AND SPENT CARBON FROM HYDROGEN CHLORIDE PURIFICATION) FROM THE PRODUCTION OF MATERIALS ON EQUIPMENT PREVIOUSLY USED FOR THE PRODUCTION OR MANUFACTURING USE (AS A REACTANT, CHEMICAL INTERMEDIATE, OR COMPONENT IN A FORMULATING PROCESS) OF TRI- AND TETRACHLOROPHENOLS. (THIS LISTING DOES NOT INCLUDE WASTES FROM EQUIPMENT USED ONLY FOR THE PRODUCTION OR USE OF HEXACHLOROPHENE FROM HIGHLY PURIFIED 2,4,5-TRICHLOROPHENOL.)

- . Waste code: F024
- . Waste name: PROCESS WASTES INCLUDING, BUT NOT LIMITED TO, DISTILLATION RESIDUES, HEAVY ENDS, TARS, AND REACTOR CLEAN-OUT WASTES FROM THE PRODUCTION OF CERTAIN CHLORINATED ALIPHATIC HYDROCARBONS BY FREE RADICAL CATALYZED PROCESSES. THESE CHLORINATED ALIPHATIC HYDROCARBONS ARE THOSE HAVING CARBON CHAIN LENGTHS RANGING FROM ONE TO, AND INCLUDING FIVE, WITH VARYING AMOUNTS AND POSITIONS OF CHLORINE SUBSTITUTION. (THIS LISTING DOES NOT INCLUDE WASTEWATERS, WASTEWATER TREATMENT SLUDGE, SPENT CATALYSTS, AND WASTES LISTED IN SECTIONS 261.31. OR 261.32)

- . Waste code: F025
- . Waste name: CONDENSED LIGHT ENDS, SPENT FILTERS AND FILTER AIDS, AND SPENT DESICCANT WASTES FROM THE PRODUCTION OF CERTAIN CHLORINATED ALIPHATIC HYDROCARBONS BY FREE RADICAL CATALYZED PROCESSES. THESE CHLORINATED ALIPHATIC HYDROCARBONS ARE THOSE HAVING CARBON CHAIN LENGTHS RANGING FROM ONE TO, AND INCLUDING FIVE, WITH VARYING AMOUNTS AND POSITIONS OF CHLORINE SUBSTITUTION.

- . Waste code: F026
- . Waste name: WASTES (EXCEPT WASTEWATER AND SPENT CARBON FROM HYDROGEN CHLORIDE PURIFICATION) FROM THE PRODUCTION OF MATERIALS ON EQUIPMENT PREVIOUSLY USED FOR THE MANUFACTURING USE (AS A REACTANT, CHEMICAL INTERMEDIATE, OR COMPONENT IN A FORMULATING PROCESS) OF TETRA-, PENTA-, OR HEXACHLOROBENZENE UNDER ALKALINE CONDITIONS.

- . Waste code: F027
- . Waste name: DISCARDED UNUSED FORMULATIONS CONTAINING TRI-, TETRA-, OR PENTACHLOROPHENOL OR DISCARDED UNUSED FORMULATIONS CONTAINING COMPOUNDS DERIVED FROM THESE CHLOROPHENOLS. (THIS LISTING DOES NOT INCLUDE FORMULATIONS CONTAINING HEXACHLOROPHENE SYNTHESIZED FROM PREPURIFIED 2,4,5-TRICHLOROPHENOL AS THE SOLE COMPONENT.)

- . Waste code: F028
- . Waste name: RESIDUES RESULTING FROM THE INCINERATION OR THERMAL TREATMENT OF SOIL CONTAMINATED WITH EPA HAZARDOUS WASTE NOS. F020, F021, F022, F023, F026, AND F027.

- . Waste code: F032
- . Waste name: WASTEWATERS, PROCESS RESIDUALS, PRESERVATIVE DRIPPAGE, AND SPENT FORMULATIONS FROM WOOD PRESERVING PROCESSES GENERATED AT PLANTS THAT CURRENTLY USE, OR HAVE PREVIOUSLY USED, CHLOROPHENOLIC FORMULATIONS [EXCEPT POTENTIALLY CROSS-CONTAMINATED WASTES THAT HAVE HAD THE F032 WASTE CODE DELETED IN ACCORDANCE WITH SECTION 261.35 (I.E., THE NEWLY PROMULGATED EQUIPMENT CLEANING OR REPLACEMENT STANDARDS), AND WHERE

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THE GENERATOR DOES NOT RESUME OR INITIATE USE OF CHLOROPHENOLIC FORMULATIONS]. (THIS LISTING DOES NOT INCLUDE K001 BOTTOM SEDIMENT SLUDGE FROM THE TREATMENT OF WASTEWATER FROM WOOD PRESERVING PROCESSES THAT USE CREOSOTE AND/OR PENTACHLOROPHENOL.)

- . Waste code: F034
- . Waste name: WASTEWATERS, PROCESS RESIDUALS, PRESERVATIVE DRIPPAGE, AND SPENT FORMULATIONS FROM WOOD PRESERVING PROCESSES GENERATED AT PLANTS THAT USE CREOSOTE FORMULATIONS. THIS LISTING DOES NOT INCLUDE K001 BOTTOM SEDIMENT SLUDGE FROM THE TREATMENT OF WASTEWATER FROM WOOD PRESERVING PROCESSES THAT USE CREOSOTE AND/OR PENTACHLOROPHENOL.

- . Waste code: F035
- . Waste name: WASTEWATERS, PROCESS RESIDUALS, PRESERVATIVE DRIPPAGE, AND SPENT FORMULATIONS FROM WOOD PRESERVING PROCESSES GENERATED AT PLANTS THAT USE INORGANIC PRESERVATIVES CONTAINING ARSENIC OR CHROMIUM. THIS LISTING DOES NOT INCLUDE K001 BOTTOM SEDIMENT SLUDGE FROM THE TREATMENT OF WASTEWATER FROM WOOD PRESERVING PROCESSES THAT USE CREOSOTE AND/OR PENTACHLOROPHENOL.

- . Waste code: F037
- . Waste name: PETROLEUM REFINERY PRIMARY OIL/WATER/SOLIDS SEPARATION SLUDGE - ANY SLUDGE GENERATED FROM THE GRAVITATIONAL SEPARATION OF OIL/WATER/SOLIDS DURING THE STORAGE OR TREATMENT OF PROCESS WASTEWATERS AND OILY COOLING WASTEWATERS FROM PETROLEUM REFINERIES. SUCH SLUDGES INCLUDE, BUT ARE NOT LIMITED TO, THOSE GENERATED IN OIL/WATER/SOLIDS SEPARATORS; TANKS AND IMPOUNDMENTS; DITCHES AND OTHER CONVEYANCES; SUMPS; AND STORM WATER UNITS RECEIVING DRY WEATHER FLOW. SLUDGES GENERATED IN STORM WATER UNITS THAT DO NOT RECEIVE DRY WEATHER FLOW, SLUDGES GENERATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS AS DEFINED IN SECTION 261.31(B)(2) (INCLUDING SLUDGES GENERATED IN ONE OR MORE ADDITIONAL UNITS AFTER WASTEWATERS HAVE BEEN TREATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS), AND K051 WASTES ARE EXEMPTED FROM THIS LISTING.

- . Waste code: F038
- . Waste name: PETROLEUM REFINERY SECONDARY (EMULSIFIED) OIL/WATER/SOLIDS SEPARATION SLUDGE - ANY SLUDGE AND/OR FLOAT GENERATED FROM THE PHYSICAL AND/OR CHEMICAL SEPARATION OF OIL/WATER/SOLIDS IN PROCESS WASTEWATERS AND OILY COOLING WASTEWATERS FROM PETROLEUM REFINERIES. SUCH WASTES INCLUDE, BUT ARE NOT LIMITED TO, ALL SLUDGES AND FLOATS GENERATED IN INDUCED AIR FLOTATION (IAF) UNITS, TANKS AND IMPOUNDMENTS, AND ALL SLUDGES GENERATED IN DAF UNITS. SLUDGES GENERATED IN STORMWATER UNITS THAT DO NOT RECEIVE DRY WEATHER FLOW, SLUDGES GENERATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS AS DEFINED IN SECTION 261.31(B)(2) (INCLUDING SLUDGES GENERATED IN ONE OR MORE ADDITIONAL UNITS AFTER WASTEWATERS HAVE BEEN TREATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS), AND F037, K048, AND K051 WASTES ARE EXEMPTED FROM THIS LISTING.

- . Waste code: F039
- . Waste name: LEACHATE RESULTING FROM THE TREATMENT, STORAGE, OR DISPOSAL OF WASTES CLASSIFIED BY MORE THAN ONE WASTE CODE UNDER SUBPART D, OR FROM A MIXTURE OF WASTES CLASSIFIED UNDER SUBPARTS C AND D OF THIS PART. (LEACHATE RESULTING FROM THE MANAGEMENT OF ONE OR MORE OF THE FOLLOWING EPA HAZARDOUS WASTES AND NO OTHER HAZARDOUS WASTES RETAINS ITS HAZARDOUS WASTE CODE(S): F020, F021, F022, F023, F026, F027,

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AND/OR F028.)

- . Waste code: K001
- . Waste name: BOTTOM SEDIMENT SLUDGE FROM THE TREATMENT OF WASTEWATERS FROM WOOD PRESERVING PROCESSES THAT USE CREOSOTE AND/OR PENTACHLOROPHENOL.

- . Waste code: K002
- . Waste name: WASTEWATER TREATMENT SLUDGE FROM THE PRODUCTION OF CHROME YELLOW AND ORANGE PIGMENTS.

- . Waste code: K003
- . Waste name: WASTEWATER TREATMENT SLUDGE FROM THE PRODUCTION OF MOLYBDATE ORANGE PIGMENTS.

- . Waste code: K004
- . Waste name: WASTEWATER TREATMENT SLUDGE FROM THE PRODUCTION OF ZINC YELLOW PIGMENTS.

- . Waste code: K005
- . Waste name: WASTEWATER TREATMENT SLUDGE FROM THE PRODUCTION OF CHROME GREEN PIGMENTS.

- . Waste code: K006
- . Waste name: WASTEWATER TREATMENT SLUDGE FROM THE PRODUCTION OF CHROME OXIDE GREEN PIGMENTS (ANHYDROUS AND HYDRATED).

- . Waste code: K007
- . Waste name: WASTEWATER TREATMENT SLUDGE FROM THE PRODUCTION OF IRON BLUE PIGMENTS.

- . Waste code: K008
- . Waste name: OVEN RESIDUE FROM THE PRODUCTION OF CHROME OXIDE GREEN PIGMENTS.

- . Waste code: K009
- . Waste name: DISTILLATION BOTTOMS FROM THE PRODUCTION OF ACETALDEHYDE FROM ETHYLENE.

- . Waste code: K010
- . Waste name: DISTILLATION SIDE CUTS FROM THE PRODUCTION OF ACETALDEHYDE FROM ETHYLENE.

- . Waste code: K011
- . Waste name: BOTTOM STREAM FROM THE WASTEWATER STRIPPER IN THE PRODUCTION OF ACRYLONITRILE.

- . Waste code: K013
- . Waste name: BOTTOM STREAM FROM THE ACETONITRILE COLUMN IN THE PRODUCTION OF ACRYLONITRILE.

- . Waste code: K014
- . Waste name: BOTTOMS FROM THE ACETONITRILE PURIFICATION COLUMN IN THE PRODUCTION OF ACRYLONITRILE.

- . Waste code: K015
- . Waste name: STILL BOTTOMS FROM THE DISTILLATION OF BENZYL CHLORIDE.

- . Waste code: K016
- . Waste name: HEAVY ENDS OR DISTILLATION RESIDUES FROM THE PRODUCTION OF CARBON

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- . Waste code: K017
- . Waste name: HEAVY ENDS (STILL BOTTOMS) FROM THE PURIFICATION COLUMN IN THE PRODUCTION OF EPICHLOROHYDRIN.
- . Waste code: K018
- . Waste name: HEAVY ENDS FROM THE FRACTIONATION COLUMN IN ETHYL CHLORIDE PRODUCTION.
- . Waste code: K019
- . Waste name: HEAVY ENDS FROM THE DISTILLATION OF ETHYLENE DICHLORIDE IN ETHYLENE DICHLORIDE PRODUCTION.
- . Waste code: K020
- . Waste name: HEAVY ENDS FROM THE DISTILLATION OF VINYL CHLORIDE IN VINYL CHLORIDE MONOMER PRODUCTION.
- . Waste code: K021
- . Waste name: AQUEOUS SPENT ANTIMONY CATALYST WASTE FROM FLUOROMETHANE PRODUCTION.
- . Waste code: K022
- . Waste name: DISTILLATION BOTTOM TARS FROM THE PRODUCTION OF PHENOL/ACETONE FROM CUMENE.
- . Waste code: K023
- . Waste name: DISTILLATION LIGHT ENDS FROM THE PRODUCTION OF PHTHALIC ANHYDRIDE FROM NAPHTHALENE.
- . Waste code: K024
- . Waste name: DISTILLATION BOTTOMS FROM THE PRODUCTION OF PHTHALIC ANHYDRIDE FROM NAPHTHALENE.
- . Waste code: K025
- . Waste name: DISTILLATION BOTTOMS FROM THE PRODUCTION OF NITROBENZENE BY THE NITRATION OF BENZENE.
- . Waste code: K026
- . Waste name: STRIPPING STILL TAILS FROM THE PRODUCTION OF METHYL ETHYL PYRIDINES.
- . Waste code: K027
- . Waste name: CENTRIFUGE AND DISTILLATION RESIDUES FROM TOLUENE DIISOCYANATE PRODUCTION.
- . Waste code: K028
- . Waste name: SPENT CATALYST FROM THE HYDROCHLORINATOR REACTOR IN THE PRODUCTION OF 1,1,1-TRICHLOROETHANE.
- . Waste code: K029
- . Waste name: WASTE FROM THE PRODUCT STEAM STRIPPER IN THE PRODUCTION OF 1,1,1-TRICHLOROETHANE.
- . Waste code: K030
- . Waste name: COLUMN BOTTOMS OR HEAVY ENDS FROM THE COMBINED PRODUCTION OF TRICHLOROETHYLENE AND PERCHLOROETHYLENE.
- . Waste code: K031
- . Waste name: BY-PRODUCT SALTS GENERATED IN THE PRODUCTION OF MSMA AND CACODYLIC

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ACID.

- . Waste code: K032
- . Waste name: WASTEWATER TREATMENT SLUDGE FROM THE PRODUCTION OF CHLORDANE.
- . Waste code: K033
- . Waste name: WASTEWATER AND SCRUB WATER FROM THE CHLORINATION OF CYCLOPENTADIENE IN THE PRODUCTION OF CHLORDANE.
- . Waste code: K034
- . Waste name: FILTER SOLIDS FROM THE FILTRATION OF HEXACHLOROCYCLOPENTADIENE IN THE PRODUCTION OF CHLORDANE.
- . Waste code: K035
- . Waste name: WASTEWATER TREATMENT SLUDGES GENERATED IN THE PRODUCTION OF CREOSOTE.
- . Waste code: K036
- . Waste name: STILL BOTTOMS FROM TOLUENE RECLAMATION DISTILLATION IN THE PRODUCTION OF DISULFOTON.
- . Waste code: K037
- . Waste name: WASTEWATER TREATMENT SLUDGES FROM THE PRODUCTION OF DISULFOTON.
- . Waste code: K038
- . Waste name: WASTEWATER FROM THE WASHING AND STRIPPING OF PHORATE PRODUCTION.
- . Waste code: K039
- . Waste name: FILTER CAKE FROM THE FILTRATION OF DIETHYLPHOSPHORODITHIOIC ACID IN THE PRODUCTION OF PHORATE.
- . Waste code: K040
- . Waste name: WASTEWATER TREATMENT SLUDGE FROM THE PRODUCTION OF PHORATE.
- . Waste code: K041
- . Waste name: WASTEWATER TREATMENT SLUDGE FROM THE PRODUCTION OF TOXAPHENE.
- . Waste code: K042
- . Waste name: HEAVY ENDS OR DISTILLATION RESIDUES FROM THE DISTILLATION OF TETRACHLOROBENZENE IN THE PRODUCTION OF 2,4,5-T.
- . Waste code: K043
- . Waste name: 2,6-DICHLOROPHENOL WASTE FROM THE PRODUCTION OF 2,4-D.
- . Waste code: K046
- . Waste name: WASTEWATER TREATMENT SLUDGES FROM THE MANUFACTURING, FORMULATION, AND LOADING OF LEAD-BASED INITIATING COMPOUNDS.
- . Waste code: K048
- . Waste name: DISSOLVED AIR FLOTATION (DAF) FLOAT FROM THE PETROLEUM REFINING INDUSTRY.
- . Waste code: K049
- . Waste name: SLOP OIL EMULSION SOLIDS FROM THE PETROLEUM REFINING INDUSTRY.
- . Waste code: K050
- . Waste name: HEAT EXCHANGER BUNDLE CLEANING SLUDGE FROM THE PETROLEUM REFINING INDUSTRY.

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- . Waste code: K051
- . Waste name: API SEPARATOR SLUDGE FROM THE PETROLEUM REFINING INDUSTRY.

- . Waste code: K052
- . Waste name: TANK BOTTOMS (LEADED) FROM THE PETROLEUM REFINING INDUSTRY.

- . Waste code: K060
- . Waste name: AMMONIA STILL LIME SLUDGE FROM COKING OPERATIONS.

- . Waste code: K061
- . Waste name: EMISSION CONTROL DUST/SLUDGE FROM THE PRIMARY PRODUCTION OF STEEL IN ELECTRIC FURNACES.

- . Waste code: K062
- . Waste name: SPENT PICKLE LIQUOR FROM STEEL FINISHING OPERATIONS OF PLANTS THAT PRODUCE IRON OR STEEL.

- . Waste code: K069
- . Waste name: EMISSION CONTROL DUST/SLUDGE FROM SECONDARY LEAD SMELTING.

- . Waste code: K071
- . Waste name: BRINE PURIFICATION MUDS FROM THE MERCURY CELL PROCESS IN CHLORINE PRODUCTION, IN WHICH SEPARATELY PREPURIFIED BRINE IS NOT USED.

- . Waste code: K073
- . Waste name: CHLORINATED HYDROCARBON WASTE FROM THE PURIFICATION STEP OF THE DIAPHRAGM CELL PROCESS USING GRAPHITE ANODES IN CHLORINE PRODUCTION.

- . Waste code: K083
- . Waste name: DISTILLATION BOTTOMS FROM ANILINE PRODUCTION.

- . Waste code: K084
- . Waste name: WASTEWATER TREATMENT SLUDGES GENERATED DURING THE PRODUCTION OF VETERINARY PHARMACEUTICALS FROM ARSENIC OR ORGANO-ARSENIC COMPOUNDS.

- . Waste code: K085
- . Waste name: DISTILLATION OR FRACTIONATION COLUMN BOTTOMS FROM THE PRODUCTION OF CHLOROBENZENES.

- . Waste code: K086
- . Waste name: SOLVENT WASHES AND SLUDGES, CAUSTIC WASHES AND SLUDGES, OR WATER WASHES AND SLUDGES FROM CLEANING TUBS AND EQUIPMENT USED IN THE FORMULATION OF INK FROM PIGMENTS, DRIERS, SOAPS, AND STABILIZERS CONTAINING CHROMIUM AND LEAD.

- . Waste code: K087
- . Waste name: DECANter TANK TAR SLUDGE FROM COKING OPERATIONS.

- . Waste code: K088
- . Waste name: SPENT POTLINERS FROM PRIMARY ALUMINUM REDUCTION.

- . Waste code: K093
- . Waste name: DISTILLATION LIGHT ENDS FROM THE PRODUCTION OF PHTHALIC ANHYDRIDE FROM ORTHO-XYLENE.

- . Waste code: K094
- . Waste name: DISTILLATION BOTTOMS FROM THE PRODUCTION OF PHTHALIC ANHYDRIDE FROM

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ORTHO-XYLENE.

- . Waste code: K095
- . Waste name: DISTILLATION BOTTOMS FROM THE PRODUCTION OF 1,1,1-TRICHLOROETHANE.
- . Waste code: K096
- . Waste name: HEAVY ENDS FROM THE HEAVY ENDS COLUMN FROM THE PRODUCTION OF 1,1,1-TRICHLOROETHANE.
- . Waste code: K097
- . Waste name: VACUUM STRIPPER DISCHARGE FROM THE CHLORDANE CHLORINATOR IN THE PRODUCTION OF CHLORDANE.
- . Waste code: K098
- . Waste name: UNTREATED PROCESS WASTEWATER FROM THE PRODUCTION OF TOXAPHENE.
- . Waste code: K099
- . Waste name: UNTREATED WASTEWATER FROM THE PRODUCTION OF 2,4-D.
- . Waste code: K100
- . Waste name: WASTE LEACHING SOLUTION FROM ACID LEACHING OF EMISSION CONTROL DUST/SLUDGE FROM SECONDARY LEAD SMELTING.
- . Waste code: K101
- . Waste name: DISTILLATION TAR RESIDUES FROM THE DISTILLATION OF ANILINE-BASED COMPOUNDS IN THE PRODUCTION OF VETERINARY PHARMACEUTICALS FROM ARSENIC OR ORGANO-ARSENIC COMPOUNDS.
- . Waste code: K102
- . Waste name: RESIDUE FROM THE USE OF ACTIVATED CARBON FOR DECOLORIZATION IN THE PRODUCTION OF VETERINARY PHARMACEUTICALS FROM ARSENIC OR ORGANO-ARSENIC COMPOUNDS.
- . Waste code: K103
- . Waste name: PROCESS RESIDUES FROM ANILINE EXTRACTION FROM THE PRODUCTION OF ANILINE.
- . Waste code: K104
- . Waste name: COMBINED WASTEWATERS GENERATED FROM NITROBENZENE/ANILINE PRODUCTION.
- . Waste code: K105
- . Waste name: SEPARATED AQUEOUS STREAM FROM THE REACTOR PRODUCT WASHING STEP IN THE PRODUCTION OF CHLOROBENZENES.
- . Waste code: K106
- . Waste name: WASTEWATER TREATMENT SLUDGE FROM THE MERCURY CELL PROCESS IN CHLORINE PRODUCTION.
- . Waste code: K107
- . Waste name: COLUMN BOTTOMS FROM PRODUCT SEPARATION FROM THE PRODUCTION OF 1,1-DIMETHYLHYDRAZINE (UDMH) FROM CARBOXYLIC ACID HYDRAZIDES.
- . Waste code: K108
- . Waste name: CONDENSED COLUMN OVERHEADS FROM PRODUCT SEPARATION AND CONDENSED REACTOR VENT GASES FROM THE PRODUCTION OF 1,1-DIMETHYLHYDRAZINE FROM CARBOXYLIC ACID HYDRAZIDES.

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- . Waste code: K109
- . Waste name: SPENT FILTER CARTRIDGES FROM PRODUCT PURIFICATION FROM THE PRODUCT OF 1,1-DIMETHYLHYDRAZINE FROM CARBOXYLIC ACID HYDRAZIDES.

- . Waste code: K110
- . Waste name: CONDENSED COLUMN OVERHEADS FROM INTERMEDIATE SEPARATION FROM THE PRODUCTION OF 1,1-DIMETHYLHYDRAZINE FROM CARBOXYLIC ACID HYDRAZIDES.

- . Waste code: K111
- . Waste name: PRODUCT WASHWATERS FROM THE PRODUCTION OF DINITROTOLUENE VIA NITRATION OF TOLUENE.

- . Waste code: K112
- . Waste name: REACTION BY-PRODUCT WATER FROM THE DRYING COLUMN IN THE PRODUCTION OF TOLUENEDIAMINE VIA HYDROGENATION OF DINITROTOLUENE.

- . Waste code: K113
- . Waste name: CONDENSED LIQUID LIGHT ENDS FROM PURIFICATION OF TOLUENEDIAMINE IN PRODUCTION OF TOLUENEDIAMINE VIA HYDROGENATION OF DINITROTOLUENE.

- . Waste code: K114
- . Waste name: VICINALS FROM THE PURIFICATION OF TOLUENEDIAMINE IN PRODUCTION OF TOLUENEDIAMINE VIA HYDROGENATION OF DINITROTOLUENE.

- . Waste code: K115
- . Waste name: HEAVY ENDS FROM PURIFICATION OF TOLUENEDIAMINE IN THE PRODUCTION OF TOLUENEDIAMINE VIA HYDROGENATION OF DINITROTOLUENE.

- . Waste code: K116
- . Waste name: ORGANIC CONDENSATE FROM THE SOLVENT RECOVERY COLUMN IN THE PRODUCTION OF TOLUENE DIISOCYANATE VIA PHOSGENATION OF TOLUENEDIAMINE.

- . Waste code: K117
- . Waste name: WASTEWATER FROM THE REACTOR VENT GAS SCRUBBER IN THE PRODUCTION OF ETHYLENE DIBROMIDE VIA BROMINATION OF ETHENE.

- . Waste code: K118
- . Waste name: SPENT ADSORBENT SOLIDS FROM PURIFICATION OF ETHYLENE DIBROMIDE IN THE PRODUCTION OF ETHYLENE DIBROMIDE VIA BROMINATION OF ETHENE.

- . Waste code: K123
- . Waste name: PROCESS WASTEWATER (INCLUDING SUPERNATES, FILTRATES, AND WASHWATERS) FROM THE PRODUCTION OF ETHYLENEBISDITHIOCARBAMIC ACID AND ITS SALTS.

- . Waste code: K124
- . Waste name: REACTOR VENT SCRUBBER WATER FROM THE PRODUCTION OF ETHYLENEBISDITHIOCARBAMIC ACID AND ITS SALTS.

- . Waste code: K125
- . Waste name: FILTRATION, EVAPORATION, AND CENTRIFUGATION SOLIDS FROM THE PRODUCTION OF ETHYLENEBISDITHIOCARBAMIC ACID AND ITS SALTS.

- . Waste code: K126
- . Waste name: BAGHOUSE DUST AND FLOOR SWEEPINGS IN MILLING AND PACKAGING OPERATIONS FROM PRODUCTION OR FORMULATION OF ETHYLENEBISDITHIOCARBAMIC ACID AND ITS SALTS.

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- . Waste code: K131
- . Waste name: WASTEWATER FROM THE REACTOR AND SPENT SULFURIC ACID FROM THE ACID DRYER FROM THE PRODUCTION OF METHYL BROMIDE.

- . Waste code: K132
- . Waste name: SPENT ABSORBENT AND WASTEWATER SEPARATOR SOLIDS FROM THE PRODUCTION OF METHYL BROMIDE.

- . Waste code: K136
- . Waste name: STILL BOTTOMS FROM THE PURIFICATION OF ETHYLENE DIBROMIDE IN THE PRODUCTION OF ETHYLENE DIBROMIDE VIA BROMINATION OF ETHENE.

- . Waste code: K141
- . Waste name: PROCESS RESIDUES FROM THE RECOVERY OF COAL TAR, INCLUDING, BUT NOT LIMITED TO, TAR COLLECTING SUMP RESIDUES FROM THE PRODUCTION OF COKE FROM COAL OR THE RECOVERY OF COKE BY-PRODUCTS PRODUCED FROM COAL. THIS LISTING DOES NOT INCLUDE K087 (DECANTER TANK SLUDGE FROM COKING OPERATIONS).

- . Waste code: K142
- . Waste name: TANK STORAGE RESIDUES FROM THE PRODUCTION OF COKE FROM COAL OR FROM THE RECOVERY OF COKE BY-PRODUCTS FROM COAL.

- . Waste code: K143
- . Waste name: PROCESS RESIDUES FROM THE RECOVERY OF LIGHT OIL, INCLUDING, BUT NOT LIMITED TO, THOSE GENERATED IN STILLS, DECANTERS, AND WASH OIL RECOVERY UNITS FROM THE RECOVERY OF COKE BY-PRODUCTS PRODUCED FROM COAL.

- . Waste code: K144
- . Waste name: WASTEWATER SUMP RESIDUES FROM LIGHT OIL REFINING, INCLUDING, BUT NOT LIMITED TO, INTERCEPTING OR CONTAMINATION SUMP SLUDGES FROM THE RECOVERY OF COKE BY-PRODUCTS PRODUCED FROM COAL.

- . Waste code: K145
- . Waste name: RESIDUES FROM NAPHTHALENE COLLECTION AND RECOVERY OPERATIONS FROM THE RECOVERY OF COKE BY-PRODUCTS PRODUCED FROM COAL.

- . Waste code: K147
- . Waste name: TAR STORAGE RESIDUES FROM COAL TAR REFINING.

- . Waste code: K148
- . Waste name: RESIDUES FROM COAL TAR DISTILLATION, INCLUDING, BUT NOT LIMITED TO, STILL BOTTOMS.

- . Waste code: K149
- . Waste name: DISTILLATION BOTTOMS FROM THE PRODUCTION OF ALPHA (OR METHYL-) CHLORINATED TOLUNES, RING-CHLORINATED TOLUNES, BENZOYL CHLORIDES, AND COMPOUNDS WITH MIXTURES OF THESE FUNCTIONAL GROUPS. [THIS WASTE DOES NOT INCLUDE STILL BOTTOMS FROM THE DISTILLATION OF BENZOYL CHLORIDE]

- . Waste code: K150
- . Waste name: ORGANIC RESIDUES EXCLUDING SPENT CARBON ADSORBENT, FROM THE SPENT CHLORINE GAS AND HYDROCHLORIC ACID RECOVERY PROCESSES ASSOCIATED WITH THE PRODUCTION OF ALPHA (OR METHYL-) CHLORINATED TOLUNES, BENZOYL CHLORIDES, AND COMPOUNDS WITH MIXTURES OF THESE FUNCTIONAL GROUPS.

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- . Waste code: K151
- . Waste name: WASTEWATER TREATMENT SLUDGES, EXCLUDING NEUTRALIZATION AND BIOLOGICAL SLUDGES, GENERATED DURING THE TREATMENT OF WASTEWATERS FROM THE PRODUCTION OF ALPHA (OR METHYL-) CHLORINATED TOLUENES, BENZOYL CHLORIDES, AND COMPOUNDS WITH MIXTURES OF THESE FUNCTIONAL GROUPS.

- . Waste code: K156
- . Waste name: ORGANIC WASTE (INCLUDING HEAVY ENDS, STILL BOTTOMS, LIGHT ENDS, SPENT SOLVENTS, FILTRATES, AND DECANTATES) FROM THE PRODUCTION OF CARBAMATES AND CARBAMOYL OXIMES.

- . Waste code: K157
- . Waste name: WASTEWATERS (INCLUDING SCRUBBER WATERS, CONDENSER WATERS, WASHWATERS, AND SEPARATION WATERS) FROM THE PRODUCTION OF CARBAMATES AND CARBAMOYL OXIMES.

- . Waste code: K158
- . Waste name: BAG HOUSE DUSTS AND FILTER/SEPARATION SOLIDS FROM THE PRODUCTION OF CARBAMATES AND CARBAMOYL OXIMES.

- . Waste code: K159
- . Waste name: ORGANICS FROM THE TREATMENT OF THIOCARBAMATE WASTES.

- . Waste code: K161
- . Waste name: PURIFICATION SOLIDS (INCLUDING FILTRATION, EVAPORATION, AND CENTRIFUGATION SOLIDS), BAG HOUSE DUST AND FLOOR SWEEPINGS FROM THE PRODUCTION OF DITHIOCARBAMATE ACIDS AND THEIR SALTS. (THIS LISTING DOES NOT INCLUDE K125 OR K126).

- . Waste code: P001
- . Waste name: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3% (OR) WARFARIN, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%

- . Waste code: P002
- . Waste name: 1-ACETYL-2-THIOUREA (OR) ACETAMIDE, N-(AMINOTHIOXOMETHYL)-

- . Waste code: P003
- . Waste name: 2-PROPENAL (OR) ACROLEIN

- . Waste code: P004
- . Waste name: 1,4,5,8-DIMETHANONAPHTHALENE, 1,2,3,4,10,10-HEXA-CHLORO-1,4,4A,5,8,8A,-HEXAHYDRO-, (1ALPHA, 4ALPHA, 4ABETA, 5ALPHA, 8ALPHA, 8ABETA)- (OR) ALDRIN

- . Waste code: P005
- . Waste name: 2-PROPEN-1-OL (OR) ALLYL ALCOHOL

- . Waste code: P007
- . Waste name: 3(2H)-ISOXAZOLONE, 5-(AMINOMETHYL)- (OR) 5-(AMINOMETHYL)-3-ISOXAZOLOL

- . Waste code: P008
- . Waste name: 4-AMINOPYRIDINE (OR) 4-PYRIDINAMINE

- . Waste code: P010
- . Waste name: ARSENIC ACID H3ASO4

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- . Waste code: P011
- . Waste name: ARSENIC OXIDE AS₂O₅ (OR) ARSENIC PENTOXIDE

- . Waste code: P012
- . Waste name: ARSENIC OXIDE AS₂O₃ (OR) ARSENIC TRIOXIDE

- . Waste code: P013
- . Waste name: BARIUM CYANIDE

- . Waste code: P014
- . Waste name: BENZENETHIOL (OR) THIOPHENOL

- . Waste code: P015
- . Waste name: BERYLLIUM

- . Waste code: P016
- . Waste name: DICHLOROMETHYL ETHER (OR) METHANE, OXYBIS[CHLORO-

- . Waste code: P017
- . Waste name: 2-PROPANONE, 1-BROMO- (OR) BROMOACETONE

- . Waste code: P018
- . Waste name: BRUCINE (OR) STRYCHNIDIN-10-ONE, 2,3-DIMETHOXY-

- . Waste code: P020
- . Waste name: DINOSEB (OR) PHENOL, 2-(1-METHYLPROPYL)-4,6-DINITRO-

- . Waste code: P021
- . Waste name: CALCIUM CYANIDE (OR) CALCIUM CYANIDE CA(CN)₂

- . Waste code: P022
- . Waste name: CARBON DISULFIDE

- . Waste code: P023
- . Waste name: ACETALDEHYDE, CHLORO- (OR) CHLOROACETALDEHYDE

- . Waste code: P024
- . Waste name: BENZENAMINE, 4-CHLORO- (OR) P-CHLORANILINE

- . Waste code: P026
- . Waste name: 1-(O-CHLOROPHENYL)THIOUREA (OR) THIOUREA, (2-CHLOROPHENYL)-

- . Waste code: P027
- . Waste name: 3-CHLOROPROPIONITRILE (OR) PROPANENITRILE, 3-CHLORO-

- . Waste code: P028
- . Waste name: BENZENE, (CHLOROMETHYL)- (OR) BENZYL CHLORIDE

- . Waste code: P029
- . Waste name: COPPER CYANIDE (OR) COPPER CYANIDE CU(CN)

- . Waste code: P030
- . Waste name: CYANIDES (SOLUBLE CYANIDE SALTS), NOT OTHERWISE SPECIFIED

- . Waste code: P031
- . Waste name: CYANOGEN (OR) ETHANEDINITRILE

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- . Waste code: P033
- . Waste name: CYANOGEN CHLORIDE (OR) CYANOGEN CHLORIDE (CN)CL

- . Waste code: P034
- . Waste name: 2-CYCLOHEXYL-4,6-DINITROPHENOL (OR) PHENOL, 2-CYCLOHEXYL-4,6-DINITRO-

- . Waste code: P036
- . Waste name: ARSONOUS DICHLORIDE, PHENYL- (OR) DICHLOROPHENYLARSINE

- . Waste code: P037
- . Waste name: 2,7:3,6-DIMETHANONAPHTH[2,3-B]OXIRENE,
3,4,5,6,9,9-HEXACHLORO-1A,2,2A,3,6,6A,7,7A-OCTAHYDRO-, (1AALPHA,
2BETA, 2AALPHA, 3BETA, 6BETA, 6AALPHA, 7BETA, 7AALPHA)- (OR) DIELDRIN

- . Waste code: P038
- . Waste name: ARSINE, DIETHYL- (OR) DIETHYLARSINE

- . Waste code: P039
- . Waste name: DISULFOTON (OR) PHOSPHORODITHIOIC ACID, O,O-DIETHYL
S-[2-(ETHYLTHIO)ETHYL] ESTER

- . Waste code: P040
- . Waste name: O,O-DIETHYL O-PYRAZINYL PHOSPHOROTHIOATE (OR) PHOSPHOROTHIOIC ACID,
O,O-DIETHYL O-PYRAZINYL ESTER

- . Waste code: P041
- . Waste name: DIETHYL-P-NITROPHENYL PHOSPHATE (OR) PHOSPHORIC ACID, DIETHYL
4-NITROPHENYL ESTER

- . Waste code: P042
- . Waste name: 1,2-BENZENEDIOL, 4-[1-HYDROXY-2-(METHYLAMINO)ETHYL]-, (R)- (OR)
EPINEPHRINE

- . Waste code: P043
- . Waste name: DIISOPROPYLFLUOROPHOSPHATE (DFP) (OR) PHOSPHOROFUORIDIC ACID,
BIS(1-METHYLETHYL) ESTER

- . Waste code: P044
- . Waste name: DIMETHOATE (OR) PHOSPHORODITHIOIC ACID, O,O-DIMETHYL
S-[2-(METHYLAMINO)-2-OXOETHYL] ESTER

- . Waste code: P045
- . Waste name: 2-BUTANONE, 3,3-DIMETHYL-1-(METHYLTHIO)-, O-[METHYLAMINO)CARBONYL]
OXIME (OR) THIOFANOX

- . Waste code: P046
- . Waste name: ALPHA,ALPHA-DIMETHYLPHENETHYLAMINE (OR) BENZENEETHANAMINE, ALPHA,
ALPHA-DIMETHYL-

- . Waste code: P047
- . Waste name: 4,6-DINITRO-O-CRESOL, & SALTS (OR) PHENOL, 2-METHYL-4,6-DINITRO-, &
SALTS

- . Waste code: P048
- . Waste name: 2,4-DINITROPHENOL (OR) PHENOL, 2,4-DINITRO-

- . Waste code: P049

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- . Waste name: DITHIOBIURET (OR) THIOIMIDODICARBONIC DIAMIDE [(H₂N)C(S)]₂NH
- . Waste code: P050
- . Waste name: 6,9-METHANO-2,4,3-BENZODIOXATHIEPIN,6,7,8,9,10,10-HEXACHLORO-1,5,5A,6,9,9A-HEXAHYDRO-,3-OXIDE (OR) ENDOSULFAN
- . Waste code: P051
- . Waste name: 2,7:3,6-DIMETHANONAPHTH[2,3-B]OXIRENE, 3,4,5,6,9,9-HEXACHLORO-1A,2,2A,3,6,6A,7,7A-OCTAHYDRO-, (1AALPHA, 2BETA, 2ABETA, 3ALPHA, 6ALPHA, 6ABETA, 7BETA, 7AALPHA)- & METABOLITES (OR) ENDRIN (OR) ENDRIN, & METABOLITES
- . Waste code: P054
- . Waste name: AZIRIDINE (OR) ETHYLENEIMINE
- . Waste code: P056
- . Waste name: FLUORINE
- . Waste code: P057
- . Waste name: ACETAMIDE, 2-FLUORO- (OR) FLUOROACETAMIDE
- . Waste code: P058
- . Waste name: ACETIC ACID, FLUORO-, SODIUM SALT (OR) FLUOROACETIC ACID, SODIUM SALT
- . Waste code: P059
- . Waste name: 4,7-METHANO-1H-INDENE, 1,4,5,6,7,8,8-HEPTACHLORO-3A,4,7,7A-TETRAHYDRO- (OR) HEPTACHLOR
- . Waste code: P060
- . Waste name: 1,4,5,8-DIMETHANONAPHTHALENE, 1,2,3,4,10,10-HEXA-CHLORO-1,4,4A,5,8,8A,-HEXAHYDRO-, (1ALPHA, 4ALPHA, 4ABETA, 5BETA, 8BETA, 8ABETA)- (OR) ISODRIN
- . Waste code: P062
- . Waste name: HEXAETHYL TETRAPHOSPHATE (OR) TETRAPHOSPHORIC ACID, HEXAETHYL ESTER
- . Waste code: P063
- . Waste name: HYDROCYANIC ACID (OR) HYDROGEN CYANIDE
- . Waste code: P064
- . Waste name: METHANE, ISOCYANATO- (OR) METHYL ISOCYANATE
- . Waste code: P066
- . Waste name: ETHANIMIDOTHIOIC ACID, N-[[[(METHYLAMINO)CARBONYL]OXY]-, METHYL ESTER (OR) METHOMYL
- . Waste code: P067
- . Waste name: 1,2-PROPYLENIMINE (OR) AZIRIDINE, 2-METHYL-
- . Waste code: P068
- . Waste name: HYDRAZINE, METHYL- (OR) METHYL HYDRAZINE
- . Waste code: P069
- . Waste name: 2-METHYLLACTONITRILE (OR) PROPANENITRILE, 2-HYDROXY-2-METHYL-
- . Waste code: P070
- . Waste name: ALDICARB (OR) PROPANAL, 2-METHYL-2-(METHYLTHIO)-,

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O-[(METHYLAMINO)CARBONYL]OXIME

- . Waste code: P071
- . Waste name: METHYL PARATHION (OR) PHOSPHOROTHIOIC ACID, O,O,-DIMETHYL O-(4-NITROPHENYL) ESTER

- . Waste code: P072
- . Waste name: ALPHA-NAPHTHYLTHIOUREA (OR) THIOUREA, 1-NAPHTHALENYL-

- . Waste code: P073
- . Waste name: NICKEL CARBONYL (OR) NICKEL CARBONYL NI(CO)4, (T-4)-

- . Waste code: P074
- . Waste name: NICKEL CYANIDE (OR) NICKEL CYANIDE NI(CN)2

- . Waste code: P075
- . Waste name: NICOTINE, & SALTS (OR) PYRIDINE, 3-(1-METHYL-2-PYRROLIDINYL)-,(S)-, & SALTS

- . Waste code: P076
- . Waste name: NITRIC OXIDE (OR) NITROGEN OXIDE NO

- . Waste code: P077
- . Waste name: BENZENAMINE, 4-NITRO- (OR) P-NITROANILINE

- . Waste code: P078
- . Waste name: NITROGEN DIOXIDE (OR) NITROGEN OXIDE NO2

- . Waste code: P082
- . Waste name: METHANIMINE, N-METHYL-N-NITROSO- (OR) N-NITROSODIMETHYLAMINE

- . Waste code: P084
- . Waste name: N-NITROSOMETHYLVINYLAMINE (OR) VINYLAMINE, N-METHYL-N-NITROSO-

- . Waste code: P085
- . Waste name: DIPHOSPHORAMIDE, OCTAMETHYL- (OR) OCTAMETHYLPYROPHOSPHORAMIDE

- . Waste code: P087
- . Waste name: OSMIUM OXIDE OSO4, (T-4)- (OR) OSMIUM TETROXIDE

- . Waste code: P088
- . Waste name: 7-OXABICYCLO[2.2.1]HEPTANE-2,3-DICARBOXYLIC ACID (OR) ENDOTHALL

- . Waste code: P089
- . Waste name: PARATHION (OR) PHOSPHOROTHIOIC ACID, O,O-DIETHYL-O-(4-NITROPHENYL) ESTER

- . Waste code: P092
- . Waste name: MERCURY, (ACETATO-O)PHENYL- (OR) PHENYLMERCURY ACETATE

- . Waste code: P093
- . Waste name: PHENYLTHIOUREA (OR) THIOUREA, PHENYL-

- . Waste code: P094
- . Waste name: PHORATE (OR) PHOSPHORODITHIOIC ACID, O,O-DIETHYL S-[(ETHYLTHIO)METHYL] ESTER

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. Waste code:	P095
. Waste name:	CARBONIC DICHLORIDE (OR) PHOSGENE
. Waste code:	P096
. Waste name:	HYDROGEN PHOSPHIDE (OR) PHOSPHINE
. Waste code:	P097
. Waste name:	FAMPHUR (OR) PHOSPHOROTHIOIC ACID O-[4-[(DIMETHYLAMINO)SULFONYL]PHENYL] O,O-DIMETHYL ESTER
. Waste code:	P098
. Waste name:	POTASSIUM CYANIDE (OR) POTASSIUM CYANIDE K(CN)
. Waste code:	P099
. Waste name:	ARGENTATE (1-), BIS(CYANO-C)-, POTASSIUM (OR) POTASSIUM SILVER CYANIDE
. Waste code:	P101
. Waste name:	ETHYL CYANIDE (OR) PROPANENITRILE
. Waste code:	P102
. Waste name:	2-PROPYN-1-OL (OR) PROPARGYL ALCOHOL
. Waste code:	P103
. Waste name:	SELENOUREA
. Waste code:	P104
. Waste name:	SILVER CYANIDE (OR) SILVER CYANIDE AG(CN)
. Waste code:	P105
. Waste name:	SODIUM AZIDE
. Waste code:	P106
. Waste name:	SODIUM CYANIDE (OR) SODIUM CYANIDE NA(CN)
. Waste code:	P107
. Waste name:	Not Defined
. Waste code:	P108
. Waste name:	STRYCHNIDIN-10-ONE, & SALTS (OR) STRYCHNINE, & SALTS
. Waste code:	P109
. Waste name:	TETRAETHYLDITHIOPYROPHOSPHATE (OR) THIODIPHOSPHORIC ACID, TETRAETHYL ESTER
. Waste code:	P110
. Waste name:	PLUMBANE, TETRAETHYL- (OR) TETRAETHYL LEAD
. Waste code:	P111
. Waste name:	DIPHOSPHORIC ACID, TETRAETHYL ESTER (OR) TETRAETHYL PYROPHOSPHATE
. Waste code:	P113
. Waste name:	THALLIC OXIDE (OR) THALLIUM OXIDE TL2O3
. Waste code:	P114
. Waste name:	SELENIOS ACID, DITHALLIUM (1+) SALT (OR) THALLIUM(I) SELENITE
. Waste code:	P115

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- . Waste name: SULFURIC ACID, DITHALLIUM (1+) SALT (OR) THALLIUM(I) SULFATE
- . Waste code: P116
- . Waste name: HYDRAZINECARBOTHIOAMIDE (OR) THIOSEMICARBAZIDE
- . Waste code: P118
- . Waste name: METHANETHIOL, TRICHLORO- (OR) TRICHLOROMETHANETHIOL
- . Waste code: P119
- . Waste name: AMMONIUM VANADATE (OR) VANADIC ACID, AMMONIUM SALT
- . Waste code: P120
- . Waste name: VANADIUM OXIDE V2O5 (OR) VANADIUM PENTOXIDE
- . Waste code: P121
- . Waste name: ZINC CYANIDE (OR) ZINC CYANIDE ZN(CN)2
- . Waste code: P122
- . Waste name: ZINC PHOSPHIDE ZN3P2, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 10% (R,T)
- . Waste code: P123
- . Waste name: TOXAPHENE
- . Waste code: P127
- . Waste name: 7-BENZOFURANOL, 2,3-DIHYDRO-2,2-DIMETHYL-, METHYLCARBAMATE (OR) CARBOFURAN
- . Waste code: P128
- . Waste name: PHENOL, 4-(DIMETHYLAMINO)-3,5-DIMETHYL-, METHYLCARBAMATE (ESTER)
- . Waste code: P185
- . Waste name: 1,3-DITHIOLANE-2-CARBOXALDEHYDE, 2,4-DIMETHYL-, O-[(METHYLAMINO)-CARBONYL]OXIME (OR) TIRPATE
- . Waste code: P188
- . Waste name: BENZOIC ACID, 2-HYDROXY-, COMPD. WITH (3AS-CIS)-1,2,3,3A,8,8A-HEXAHYDRO-1,3A,8-TRIMETHYLPYRROLO[2,3-B]INDOL-5-YL METHYLCARBAMATE ESTER (1:1) (OR) PHYSOSTIGMINE SALICYLATE
- . Waste code: P189
- . Waste name: CARBAMIC ACID, [(DIBUTYLAMINO)-THIO]METHYL-, 2,3-DIHYDRO-2,2-DIMETHYL-7-BENZOFURANYL ESTER (OR) CARBOSULFAN
- . Waste code: P190
- . Waste name: CARBAMIC ACID, METHYL-, 3-METHYLPHENYL ESTER (OR) METOLCARB
- . Waste code: P191
- . Waste name: CARBAMIC ACID, DIMETHYL-, 1-[(DIMETHYL-AMINO)CARBONYL]- 5-METHYL-1H-PYRAZOL-3-YL ESTER (OR) DIMETILAN
- . Waste code: P192
- . Waste name: ISOLAN (OR) CARBAMIC ACID, DIMETHYL-, 3-METHYL-(1-METHYLETHYL)-1H-PYRAZOL-5-YL ESTER
- . Waste code: P194
- . Waste name: ETHANIMIDOTHIOIC ACID, 2-(DIMETHYLAMINO)-N-[(METHYLAMINO)

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CARBONYL]OXY]-2-OXO-, METHYL ESTER (OR) OXAMYL

- . Waste code: P196
- . Waste name: MANGANESE DIMETHYLDITHIOCARBAMATE (OR) MANGANESE, BIS(DIMETHYLCARBAMODITHIOATO-S,S')-,
- . Waste code: P197
- . Waste name: FORMPARANATE (OR) METHANIMIDAMIDE, N,N-DIMETHYL-N'-[2-METHYL-4-[[[(METHYLAMINO)CARBONYL]OXY]PHENYL]
- . Waste code: P198
- . Waste name: METHANIMIDAMIDE, N,N-DIMETHYL-N'-[3-[[[(METHYLAMINO)-CARBONYL]OXY]PHENYL]-, MONOHYDROCHLORIDE (OR) FORMETANATE HYDROCHLORIDE
- . Waste code: P199
- . Waste name: METHIOCARB (OR) MEXACARBATE (OR) PHENOL, (3,5-DIMETHYL-4-(METHYLTHIO)-, METHYLCARBAMATE
- . Waste code: P201
- . Waste name: PHENOL, 3-METHYL-5-(1-METHYLETHYL)-, METHYL CARBAMATE (OR) PROMECARB
- . Waste code: P202
- . Waste name: M-CUMENYL METHYLCARBAMATE (OR) 3-ISOPROPYLPHENYL N-METHYLCARBAMATE (OR) PHENOL, 3-(1-METHYLETHYL)-, METHYL CARBAMATE
- . Waste code: P203
- . Waste name: ALDICARB SULFONE (OR) PROPANAL, 2-METHYL-2-(METHYL-SULFONYL)-, O-[(METHYLAMINO)CARBONYL] OXIME
- . Waste code: P204
- . Waste name: PHYSOSTIGMINE (OR) PYRROLO[2,3-B]INDOL-5-OL, 1,2,3,3A,8,8A-HEXAHYDRO-1,3A,8-TRIMETHYL-METHYLCARBAMATE (ESTER), (3AS-CIS)-
- . Waste code: P205
- . Waste name: ZINC, BIS(DIMETHYLCARBAMODITHIOATO-S,S')-, (OR) ZIRAM
- . Waste code: U001
- . Waste name: ACETALDEHYDE (I) (OR) ETHANAL (I)
- . Waste code: U002
- . Waste name: 2-PROPANONE (I) (OR) ACETONE (I)
- . Waste code: U003
- . Waste name: ACETONITRILE (I,T)
- . Waste code: U004
- . Waste name: ACETOPHENONE (OR) ETHANONE, 1-PHENYL-
- . Waste code: U005
- . Waste name: 2-ACETYLAMINOFLUORENE (OR) ACETAMIDE, N-9H-FLUOREN-2-YL
- . Waste code: U006
- . Waste name: ACETYL CHLORIDE (C,R,T)
- . Waste code: U007

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- . Waste name: 2-PROPENAMIDE (OR) ACRYLAMIDE
- . Waste code: U008
- . Waste name: 2-PROPENOIC ACID (I) (OR) ACRYLIC ACID (I)
- . Waste code: U009
- . Waste name: 2-PROPENENITRILE (OR) ACRYLONITRILE
- . Waste code: U010
- . Waste name: AZIRINO [2',3':3,4]PYRROLO[1,2-A]INDOLE-4,7-DIONE,
6-AMINO-8-[[[AMINOCARBONYL)OXY]METHYL]-1,1A,2,8,8A,8B-HEXAHYDRO-8A-MET
HOXY-5-METHYL-, [1AS-(1AALPHA, 8BETA, 8AALPHA, 8BALPHA)]- (OR)
MITOMYCIN C
- . Waste code: U011
- . Waste name: 1H-1,2,4-TRIAZOL-3-AMINE (OR) AMITROLE
- . Waste code: U012
- . Waste name: ANILINE (I,T) (OR) BENZENAMINE (I,T)
- . Waste code: U014
- . Waste name: AURAMINE (OR) BENZENAMINE, 4,4'-CARBONIMIDOYLBIS[N,N-DIMETHYL-
- . Waste code: U015
- . Waste name: AZASERINE (OR) L-SERINE, DIAZOACETATE (ESTER)
- . Waste code: U016
- . Waste name: BENZ[C]ACRIDINE
- . Waste code: U017
- . Waste name: BENZAL CHLORIDE (OR) BENZENE, (DICHLOROMETHYL)-
- . Waste code: U018
- . Waste name: BENZ[A]ANTHRACENE
- . Waste code: U019
- . Waste name: BENZENE (I,T)
- . Waste code: U020
- . Waste name: BENZENESULFONIC ACID CHLORIDE (C,R) (OR) BENZENESULFONYL CHLORIDE
(C,R)
- . Waste code: U021
- . Waste name: [1,1'-BIPHENYL]-4,4'-DIAMINE (OR) BENZIDINE
- . Waste code: U022
- . Waste name: BENZO[A]PYRENE
- . Waste code: U024
- . Waste name: DICHLOROMETHOXY ETHANE (OR) ETHANE,
1,1'-[METHYLENEBIS(OXY)]BIS[2-CHLORO-
- . Waste code: U025
- . Waste name: DICHLOROETHYL ETHER (OR) ETHANE, 1,1'-OXYBIS[2-CHLORO-
- . Waste code: U026
- . Waste name: CHLORNAPHAZIN (OR) NAPHTHALENAMINE, N,N'-BIS(2-CHLOROETHYL)-

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- . Waste code: U027
- . Waste name: DICHLOROISOPROPYL ETHER (OR) PROPANE, 2,2'-OXYBIS[2-CHLORO-
- . Waste code: U028
- . Waste name: 1,2-BENZENEDICARBOXYLIC ACID, BIS(2-ETHYLHEXYL) ESTER (OR)
DIETHYLHEXYL PHTHALATE
- . Waste code: U029
- . Waste name: METHANE, BROMO- (OR) METHYL BROMIDE
- . Waste code: U030
- . Waste name: 4-BROMOPHENYL PHENYL ETHER (OR) BENZENE, 1-BROMO-4-PHENOXY-
- . Waste code: U031
- . Waste name: 1-BUTANOL (I) (OR) N-BUTYL ALCOHOL (I)
- . Waste code: U032
- . Waste name: CALCIUM CHROMATE (OR) CHROMIC ACID H₂CrO₄, CALCIUM SALT
- . Waste code: U033
- . Waste name: CARBON OXYFLUORIDE (R,T) (OR) CARBONIC DIFLUORIDE
- . Waste code: U034
- . Waste name: ACETALDEHYDE, TRICHLORO- (OR) CHLORAL
- . Waste code: U035
- . Waste name: BENZENEBUTANOIC ACID, 4-[BIS(2-CHLOROETHYL)AMINO]- (OR) CHLORAMBUCIL
- . Waste code: U036
- . Waste name: 4,7-METHANO-1H-INDENE,
1,2,4,5,6,7,8,8-OCTACHLORO-2,3,3A,4,7,7A-HEXAHYDRO- (OR) CHLORDANE,
ALPHA & GAMMA ISOMERS
- . Waste code: U037
- . Waste name: BENZENE, CHLORO- (OR) CHLOROBENZENE
- . Waste code: U038
- . Waste name: BENZENEACETIC ACID, 4-CHLORO-ALPHA-(4-CHLOROPHENYL)-ALPHA-HYDROXY-
ETHYL ESTER (OR) CHLOROBENZILATE
- . Waste code: U039
- . Waste name: P-CHLORO-M-CRESOL (OR) PHENOL, 4-CHLORO-3-METHYL-
- . Waste code: U041
- . Waste name: EPICHLOROHYDRIN (OR) OXIRANE, (CHLOROMETHYL)-
- . Waste code: U042
- . Waste name: 2-CHLOROETHYL VINYL ETHER (OR) ETHENE, (2-CHLOROETHOXY)-
- . Waste code: U043
- . Waste name: ETHENE, CHLORO- (OR) VINYL CHLORIDE
- . Waste code: U044
- . Waste name: CHLOROFORM (OR) METHANE, TRICHLORO-
- . Waste code: U045
- . Waste name: METHANE, CHLORO- (I,T) (OR) METHYL CHLORIDE (I,T)

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- . Waste code: U046
- . Waste name: CHLOROMETHYL METHYL ETHER (OR) METHANE, CHLOROMETHOXY-
- . Waste code: U047
- . Waste name: BETA-CHLORONAPHTHALENE (OR) NAPHTHALENE, 2-CHLORO-
- . Waste code: U048
- . Waste name: O-CHLOROPHENOL (OR) PHENOL, 2-CHLORO-
- . Waste code: U049
- . Waste name: 4-CHLORO-O-TOLUIDINE, HYDROCHLORIDE (OR) BENZENAMINE, 4-CHLORO-2-METHYL-, HYDROCHLORIDE
- . Waste code: U050
- . Waste name: CHRYSENE
- . Waste code: U051
- . Waste name: CREOSOTE
- . Waste code: U052
- . Waste name: CRESOL (CRESYLIC ACID) (OR) PHENOL, METHYL-
- . Waste code: U053
- . Waste name: 2-BUTENAL (OR) CROTONALDEHYDE
- . Waste code: U055
- . Waste name: BENZENE, (1-METHYLETHYL)- (I) (OR) CUMENE (I)
- . Waste code: U056
- . Waste name: BENZENE, HEXAHYDRO- (I) (OR) CYCLOHEXANE (I)
- . Waste code: U057
- . Waste name: CYCLOHEXANONE (I)
- . Waste code: U058
- . Waste name: 2H-1,3,2-OXAZAPHOSPHORIN-2-AMINE, N,N-BIS(2-CHLOROETHYL)TETRAHYDRO-, 2-OXIDE (OR) CYCLOPHOSPHAMIDE
- . Waste code: U059
- . Waste name: 5,12-NAPHTHACENEDIONE, 8-ACETYL-10-[(3-AMINO-2,3,6-TRIDEOXY)-ALPHA-L-LYXO-HEXOPYRANOSYL)OXY]-7,8,9,10-TETRAHYDRO-6,8,11-TRIHYDROXY-1-METHOXY-, (8S-CIS)- (OR) DAUNOMYCIN
- . Waste code: U060
- . Waste name: BENZENE, 1,1'-(2,2-DICHLOROETHYLIDENE)BIS[4-CHLORO- (OR) DDD
- . Waste code: U061
- . Waste name: BENZENE, 1,1'-(2,2,2-TRICHLOROETHYLIDENE)BIS[4-CHLORO- (OR) DDT
- . Waste code: U062
- . Waste name: CARBAMOTHIOIC ACID, BIS(1-METHYLETHYL)-, S-(2,3-DICHLORO-2-PROPENYL) ESTER (OR) DIALATE
- . Waste code: U063
- . Waste name: DIBENZ[A,H]ANTHRACENE

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. Waste code:	U064
. Waste name:	BENZO[RST]PENTAPHENE (OR) DIBENZO[A,I]PYRENE
. Waste code:	U066
. Waste name:	1,2-DIBROMO-3-CHLOROPROPANE (OR) PROPANE, 1,2-DIBROMO-3-CHLORO-
. Waste code:	U067
. Waste name:	ETHANE, 1,2-DIBROMO- (OR) ETHYLENE DIBROMIDE
. Waste code:	U068
. Waste name:	METHANE, DIBROMO- (OR) METHYLENE BROMIDE
. Waste code:	U069
. Waste name:	1,2-BENZENEDICARBOXYLIC ACID, DIBUTYL ESTER (OR) DIBUTYL PHTHALATE
. Waste code:	U070
. Waste name:	BENZENE, 1,2-DICHLORO- (OR) O-DICHLOROBENZENE
. Waste code:	U071
. Waste name:	BENZENE, 1,3-DICHLORO- (OR) M-DICHLOROBENZENE
. Waste code:	U072
. Waste name:	BENZENE, 1,4-DICHLORO- (OR) P-DICHLOROBENZENE
. Waste code:	U073
. Waste name:	[1,1'-BIPHENYL]-4,4'-DIAMINE, 3,3'-DICHLORO- (OR) 3,3'-DICHLOROBENZIDINE
. Waste code:	U074
. Waste name:	1,4-DICHLORO-2-BUTENE (I,T) (OR) 2-BUTENE, 1,4-DICHLORO- (I,T)
. Waste code:	U075
. Waste name:	DICHLORODIFLUOROMETHANE (OR) METHANE, DICHLORODIFLUORO-
. Waste code:	U076
. Waste name:	ETHANE, 1,1-DICHLORO- (OR) ETHYLIDENE DICHLORIDE
. Waste code:	U077
. Waste name:	ETHANE, 1,2-DICHLORO- (OR) ETHYLENE DICHLORIDE
. Waste code:	U078
. Waste name:	1,1-DICHLOROETHYLENE (OR) ETHENE, 1,1-DICHLORO-
. Waste code:	U079
. Waste name:	1,2-DICHLOROETHYLENE (OR) ETHENE, 1,2-DICHLORO-,(E)-
. Waste code:	U080
. Waste name:	METHANE, DICHLORO- (OR) METHYLENE CHLORIDE
. Waste code:	U081
. Waste name:	2,4-DICHLOROPHENOL (OR) PHENOL, 2,4-DICHLORO-
. Waste code:	U082
. Waste name:	2,6-DICHLOROPHENOL (OR) PHENOL, 2,6-DICHLORO-
. Waste code:	U083
. Waste name:	PROPANE, 1,2-DICHLORO- (OR) PROPYLENE DICHLORIDE

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- . Waste code: U084
- . Waste name: 1,3-DICHLOROPROPENE (OR) 1-PROPENE, 1,3-DICHLORO-
- . Waste code: U085
- . Waste name: 1,2:3,4-DIEPOXYBUTANE (I,T) (OR) 2,2'-BIOXIRANE
- . Waste code: U086
- . Waste name: HYDRAZINE, 1,2-DIETHYL- (OR) N,N'-DIETHYLHYDRAZINE
- . Waste code: U087
- . Waste name: O,O-DIETHYL S-METHYL DITHIOPHOSPHATE (OR) PHOSPHORODITHIOIC ACID, O,O-DIETHYL S-METHYL ESTER
- . Waste code: U088
- . Waste name: 1,2-BENZENEDICARBOXYLIC ACID, DIETHYL ESTER (OR) DIETHYL PHTHALATE
- . Waste code: U089
- . Waste name: DIETHYLSTILBESTEROL (OR) PHENOL, 4,4'-(1,2-DIETHYL-1,2-ETHENEDIYL)BIS, (E)-
- . Waste code: U090
- . Waste name: 1,3-BENZODIOXOLE, 5-PROPYL- (OR) DIHYDROSAFROLE
- . Waste code: U091
- . Waste name: [1,1'-BIPHENYL]-4,4'-DIAMINE, 3,3'-DIMETHOXY- (OR) 3,3'-DIMETHOXYBENZIDINE
- . Waste code: U092
- . Waste name: DIMETHYLAMINE (I) (OR) METHANAMINE, N-METHYL- (I)
- . Waste code: U093
- . Waste name: BENZENAMINE, N,N-DIMETHYL-4-(PHENYLAZO)- (OR) P-DIMETHYLAMINOAZOBENZENE
- . Waste code: U094
- . Waste name: 7,12-DIMETHYLBENZ[A]ANTHRACENE (OR) BENZ[A]ANTHRACENE, 7,12-DIMETHYL-
- . Waste code: U095
- . Waste name: [1,1'-BIPHENYL]-4,4'-DIAMINE, 3,3'-DIMETHYL- (OR) 3,3'-DIMETHYLBENZIDINE
- . Waste code: U097
- . Waste name: CARBAMIC CHLORIDE, DIMETHYL- (OR) DIMETHYLCARBAMOYL CHLORIDE
- . Waste code: U098
- . Waste name: 1,1-DIMETHYLHYDRAZINE (OR) HYDRAZINE, 1,1-DIMETHYL-
- . Waste code: U099
- . Waste name: 1,2-DIMETHYLHYDRAZINE (OR) HYDRAZINE, 1,2-DIPHENYL-
- . Waste code: U101
- . Waste name: 2,4-DIMETHYLPHENOL (OR) PHENOL, 2,4-DIMETHYL-
- . Waste code: U102
- . Waste name: 1,2-BENZENEDICARBOXYLIC ACID, DIMETHYL ESTER (OR) DIMETHYL PHTHALATE
- . Waste code: U103

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- . Waste name: DIMETHYL SULFATE (OR) SULFURIC ACID, DIMETHYL ESTER
- . Waste code: U105
- . Waste name: 2,4-DINITROTOLUENE (OR) BENZENE, 1-METHYL-2,4-DINITRO-
- . Waste code: U106
- . Waste name: 2,6-DINITROTOLUENE (OR) BENZENE, 2-METHYL-1,3-DINITRO-
- . Waste code: U107
- . Waste name: 1,2-BENZENEDICARBOXYLIC ACID, DIOCTYL ESTER (OR) DI-N-OCTYL PHTHALATE
- . Waste code: U108
- . Waste name: 1,4-DIETHYLENEOXIDE (OR) 1,4-DIOXANE
- . Waste code: U109
- . Waste name: 1,2-DIPHENYLHYDRAZINE (OR) HYDRAZINE, 1,2-DIPHENYL-
- . Waste code: U110
- . Waste name: 1-PROPANIMINE, N-PROPYL-(I) (OR) DIPROPYLAMINE (I)
- . Waste code: U111
- . Waste name: 1-PROPANAMINE, N-NITROSO-N-PROPYL- (OR) DI-N-PROPYLNITROSAMINE
- . Waste code: U112
- . Waste name: ACETIC ACID, ETHYL ESTER (I) (OR) ETHYL ACETATE (I)
- . Waste code: U113
- . Waste name: 2-PROPENOIC ACID, ETHYL ESTER (I) (OR) ETHYL ACRYLATE (I)
- . Waste code: U114
- . Waste name: CARBAMODITHIOIC ACID, 1,2-ETHANEDIYLBIS-, SALTS & ESTERS (OR) ETHYLENEBISDITHIOCARBAMIC ACID, SALTS & ESTERS
- . Waste code: U115
- . Waste name: ETHYLENE OXIDE (I,T) (OR) OXIRANE (I,T)
- . Waste code: U116
- . Waste name: 2-IMIDAZOLIDINETHIONE (OR) ETHYLENETHIOUREA
- . Waste code: U117
- . Waste name: ETHANE, 1,1'-OXYBIS-(I) (OR) ETHYL ETHER (I)
- . Waste code: U118
- . Waste name: 2-PROPENOIC ACID, 2-METHYL-, ETHYL ESTER (OR) ETHYL METHACRYLATE
- . Waste code: U119
- . Waste name: ETHYL METHANESULFONATE (OR) METHANESULFONIC ACID, ETHYL ESTER
- . Waste code: U120
- . Waste name: FLUORANTHENE
- . Waste code: U121
- . Waste name: METHANE, TRICHLOROFLUORO- (OR) TRICHLOROMONOFUOROMETHANE
- . Waste code: U122
- . Waste name: FORMALDEHYDE

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- . Waste code: U123
- . Waste name: FORMIC ACID (C,T)

- . Waste code: U124
- . Waste name: FURAN (I) (OR) FURFURAN (I)

- . Waste code: U125
- . Waste name: 2-FURANCARBOXALDEHYDE (I) (OR) FURFURAL (I)

- . Waste code: U126
- . Waste name: GLYCIDYLALDEHYDE (OR) OXIRANECARBOXYALDEHYDE

- . Waste code: U127
- . Waste name: BENZENE, HEXACHLORO- (OR) HEXACHLOROBENZENE

- . Waste code: U128
- . Waste name: 1,3-BUTADIENE, 1,1,2,3,4,4-HEXACHLORO- (OR) HEXACHLOROBUTADIENE

- . Waste code: U129
- . Waste name: CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, (1ALPHA, 2ALPHA, 3BETA, 4ALPHA, 5ALPHA, 6BETA)- (OR) LINDANE

- . Waste code: U130
- . Waste name: 1,3-CYCLOPENTADIENE, 1,2,3,4,5,5-HEXACHLORO- (OR) HEXACHLOROCYCLOPENTADIENE

- . Waste code: U131
- . Waste name: ETHANE, HEXACHLORO- (OR) HEXACHLOROETHANE

- . Waste code: U132
- . Waste name: HEXACHLOROPHENE (OR) PHENOL, 2,2'-METHYLENEBIS[3,4,6-TRICHLORO-

- . Waste code: U134
- . Waste name: HYDROFLUORIC ACID (C,T) (OR) HYDROGEN FLUORIDE (C,T)

- . Waste code: U135
- . Waste name: HYDROGEN SULFIDE (OR) HYDROGEN SULFIDE H2S

- . Waste code: U136
- . Waste name: ARSINIC ACID, DIMETHYL- (OR) CACODYLIC ACID

- . Waste code: U137
- . Waste name: INDENO[1,2,3-CD]PYRENE

- . Waste code: U138
- . Waste name: METHANE, IODO- (OR) METHYL IODIDE

- . Waste code: U140
- . Waste name: 1-PROPANOL, 2-METHYL- (I,T) (OR) ISOBUTYL ALCOHOL (I,T)

- . Waste code: U141
- . Waste name: 1,3-BENZODIOXOLE, 5-(1-PROPENYL)- (OR) ISOSAFROLE

- . Waste code: U142
- . Waste name: 1,3,4-METHENO-2H-CYCLOBUTA[CD]PENTALEN-2-ONE, 1,1A,3,3A,4,5,5A,5B,6-DECACHLOROOCCTAHYDRO- (OR) KEPONE

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- . Waste code: U143
- . Waste name: 2-BUTENOIC ACID, 2-METHYL-,
7-[[2,3-DIHYDROXY-2-(1-METHOXYETHYL)-3-METHYL-1-OXOBUTOXY]METHYL]-2,3,
5,7A-TETRAHYDRO-1H-PYRROLIZIN-1-YL ESTER, [1S-[1ALPHA(Z), 7(2S*,3R*),
7AALPHA]]- (OR) LASIOCARPINE

- . Waste code: U144
- . Waste name: ACETIC ACID, LEAD(2+) SALT (OR) LEAD ACETATE

- . Waste code: U145
- . Waste name: LEAD PHOSPHATE (OR) PHOSPHORIC ACID, LEAD(2+) SALT (2:3)

- . Waste code: U146
- . Waste name: LEAD SUBACETATE (OR) LEAD, BIS(ACETATO-O)TETRAHYDROXYTRI-

- . Waste code: U147
- . Waste name: 2,5-FURANDIONE (OR) MALEIC ANHYDRIDE

- . Waste code: U148
- . Waste name: 3,6-PYRIDAZINEDIONE, 1,2-DIHYDRO- (OR) MALEIC HYDRAZIDE

- . Waste code: U149
- . Waste name: MALONONITRILE (OR) PROPANEDINITRILE

- . Waste code: U150
- . Waste name: L-PHENYLALANINE, 4-[BIS(2-CHLOROETHYL)AMINO]- (OR) MELPHALAN

- . Waste code: U151
- . Waste name: MERCURY

- . Waste code: U152
- . Waste name: 2-PROPENENITRILE, 2-METHYL- (I,T) (OR) METHACRYLONITRILE (I,T)

- . Waste code: U153
- . Waste name: METHANETHIOL (I,T) (OR) THIOMETHANOL (I,T)

- . Waste code: U154
- . Waste name: METHANOL (I) (OR) METHYL ALCOHOL (I)

- . Waste code: U155
- . Waste name: 1,2-ETHANEDIAMINE, N,N-DIMETHYL-N'-2-PYRIDINYL-N'-(2-THIENYLMETHYL)-
(OR) METHAPYRILENE

- . Waste code: U156
- . Waste name: CARBONCHLORIDIC ACID, METHYL ESTER, (I,T) (OR) METHYL CHLOROCARBONATE
(I,T)

- . Waste code: U157
- . Waste name: 3-METHYLCHOLANTHRENE (OR) BENZ[J]ACEANTHRYLENE, 1,2-DIHYDRO-3-METHYL-

- . Waste code: U158
- . Waste name: 4,4'-METHYLENEBIS(2-CHLOROANILINE) (OR) BENZENAMINE,
4,4'-METHYLENEBIS[2-CHLORO-

- . Waste code: U159
- . Waste name: 2-BUTANONE (I,T) (OR) METHYL ETHYL KETONE (MEK) (I,T)

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- . Waste code: U161
- . Waste name: 4-METHYL-2-PENTANONE (I) (OR) METHYL ISOBUTYL KETONE (I) (OR) PENTANOL, 4-METHYL-
- . Waste code: U162
- . Waste name: 2-PROPENOIC ACID, 2-METHYL-, METHYL ESTER (I,T) (OR) METHYL METHACRYLATE (I,T)
- . Waste code: U163
- . Waste name: GUANIDINE, N-METHYL-N'-NITRO-N-NITROSO- (OR) MNNG
- . Waste code: U164
- . Waste name: 4(1H)-PYRIMIDINONE, 2,3-DIHYDRO-6-METHYL-2-THIOXO- (OR) METHYLTHIOURACIL
- . Waste code: U165
- . Waste name: NAPHTHALENE
- . Waste code: U166
- . Waste name: 1,4-NAPHTHALENEDIONE (OR) 1,4-NAPHTHOQUINONE
- . Waste code: U167
- . Waste name: 1-NAPHTHALENAMINE (OR) ALPHA-NAPHTHYLAMINE
- . Waste code: U168
- . Waste name: 2-NAPHTHALENAMINE (OR) BETA-NAPHTHYLAMINE
- . Waste code: U169
- . Waste name: BENZENE, NITRO- (OR) NITROBENZENE (I,T)
- . Waste code: U170
- . Waste name: P-NITROPHENOL (I,T) (OR) PHENOL, 4-NITRO-
- . Waste code: U171
- . Waste name: 2-NITROPROPANE (I,T) (OR) PROPANE, 2-NITRO- (I,T)
- . Waste code: U172
- . Waste name: 1-BUTANAMINE, N-BUTYL-N-NITROSO- (OR) N-NITROSODI-N-BUTYLAMINE
- . Waste code: U173
- . Waste name: ETHANOL, 2,2'-(NITROSOIMINO)BIS- (OR) N-NITROSODIETHANOLAMINE
- . Waste code: U174
- . Waste name: ETHANAMINE, N-ETHYL-N-NITROSO- (OR) N-NITROSODIETHYLAMINE
- . Waste code: U176
- . Waste name: N-NITROSO-N-ETHYLUREA (OR) UREA, N-ETHYL-N-NITROSO-
- . Waste code: U177
- . Waste name: N-NITROSO-N-METHYLUREA (OR) UREA, N-METHYL-N-NITROSO-
- . Waste code: U178
- . Waste name: CARBAMIC ACID, METHYLNITROSO-, ETHYL ESTER (OR) N-NITROSO-N-METHYLURETHANE
- . Waste code: U179
- . Waste name: N-NITROSOPIPERIDINE (OR) PIPERIDINE, 1-NITROSO-

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- . Waste code: U180
- . Waste name: N-NITROSOPYRROLIDINE (OR) PYRROLIDINE, 1-NITROSO-
- . Waste code: U181
- . Waste name: 5-NITRO-O-TOLUIDINE (OR) BENZENAMINE, 2-METHYL-5-NITRO
- . Waste code: U182
- . Waste name: 1,3,5-TRIOXANE, 2,4,6-TRIMETHYL- (OR) PARALDEHYDE
- . Waste code: U183
- . Waste name: BENZENE, PENTACHLORO- (OR) PENTACHLOROBENZENE
- . Waste code: U184
- . Waste name: ETHANE, PENTACHLORO- (OR) PENTACHLOROETHANE
- . Waste code: U185
- . Waste name: BENZENE, PENTACHLORONITRO- (OR) PENTACHLORONITROBENZENE (PCNB)
- . Waste code: U186
- . Waste name: 1,3-PENTADIENE (I) (OR) 1-METHYLBUTADIENE (I)
- . Waste code: U187
- . Waste name: ACETAMIDE, N-(4-ETHOXYPHENYL)- (OR) PHENACETIN
- . Waste code: U188
- . Waste name: PHENOL
- . Waste code: U189
- . Waste name: PHOSPHORUS SULFIDE (R) (OR) SULFUR PHOSPHIDE (R)
- . Waste code: U190
- . Waste name: 1,3-ISOBENZOFURANDIONE (OR) PHTHALIC ANHYDRIDE
- . Waste code: U191
- . Waste name: 2-PICOLINE (OR) PYRIDINE, 2-METHYL-
- . Waste code: U192
- . Waste name: BENZAMIDE, 3,5-DICHLORO-N-(1,1-DIMETHYL-2-PROPYNYL)- (OR) PRONAMIDE
- . Waste code: U193
- . Waste name: 1,2-OXATHIOLANE, 2,2-DIOXIDE (OR) 1,3-PROPANE SULTONE
- . Waste code: U194
- . Waste name: 1-PROPANAMINE (I,T) (OR) N-PROPYLAMINE (I,T)
- . Waste code: U196
- . Waste name: PYRIDINE
- . Waste code: U197
- . Waste name: 2,5-CYCLOHEXADIENE-1,4-DIONE (OR) P-BENZOQUINONE
- . Waste code: U200
- . Waste name: RESERPINE (OR) YOHIMBAN-16-CARBOXYLIC ACID, 11,17-DIMETHOXY-18-[(3,4,5-TRIMETHOXYBENZOYL)OXY]-, METHYL ESTER, (3BETA, 16BETA, 17ALPHA, 18BETA, 20ALPHA)-
- . Waste code: U201

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- . Waste name: 1,3-BENZENEDIOL (OR) RESORCINOL
- . Waste code: U202
- . Waste name: 1,2-BENZISOTHAZOL-3(2H)-ONE, 1,1-DIOXIDE, & SALTS
- . Waste code: U203
- . Waste name: 1,3-BENZODIOXOLE, 5-(2-PROPENYL)- (OR) SAFROLE
- . Waste code: U204
- . Waste name: SELENIUS ACID (OR) SELENIUM DIOXIDE
- . Waste code: U205
- . Waste name: SELENIUM SULFIDE (OR) SELENIUM SULFIDE SES2 (R,T)
- . Waste code: U206
- . Waste name: D-GLUCOSE, 2-DEOXY-2-[[[(METHYLNITROSOAMINO)-CARBONYL]AMINO]- (OR) GLUCOPYRANOSE, 2-DEOXY-2-(3-METHYL-3-NITROSOUREIDO)-,D- (OR) STREPTOZOTOCIN
- . Waste code: U207
- . Waste name: 1,2,4,5-TETRACHLOROBENZENE (OR) BENZENE, 1,2,4,5-TETRACHLORO-
- . Waste code: U208
- . Waste name: 1,1,1,2-TETRACHLOROETHANE (OR) ETHANE, 1,1,1,2-TETRACHLORO-
- . Waste code: U209
- . Waste name: 1,1,2,2-TETRACHLOROETHANE (OR) ETHANE, 1,1,2,2-TETRACHLORO-
- . Waste code: U210
- . Waste name: ETHENE, TETRACHLORO- (OR) TETRACHLOROETHYLENE
- . Waste code: U211
- . Waste name: CARBON TETRACHLORIDE (OR) METHANE, TETRACHLORO-
- . Waste code: U213
- . Waste name: FURAN, TETRAHYDRO-(I) (OR) TETRAHYDROFURAN (I)
- . Waste code: U214
- . Waste name: ACETIC ACID, THALLIUM(1+) SALT (OR) THALLIUM(I) ACETATE
- . Waste code: U215
- . Waste name: CARBONIC ACID, DITHALLIUM(1+) SALT (OR) THALLIUM(I) CARBONATE
- . Waste code: U216
- . Waste name: THALLIUM CHLORIDE TLCL (OR) THALLIUM(I) CHLORIDE
- . Waste code: U217
- . Waste name: NITRIC ACID, THALLIUM(1+) SALT (OR) THALLIUM(I) NITRATE
- . Waste code: U218
- . Waste name: ETHANETHIOAMIDE (OR) THIOACETAMIDE
- . Waste code: U219
- . Waste name: THIOUREA
- . Waste code: U220
- . Waste name: BENZENE, METHYL- (OR) TOLUENE

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- . Waste code: U221
- . Waste name: BENZENEDIAMINE, AR-METHYL- (OR) TOLUENEDIAMINE

- . Waste code: U222
- . Waste name: BENZENAMINE, 2-METHYL-, HYDROCHLORIDE (OR) O-TOLUIDINE HYDROCHLORIDE

- . Waste code: U223
- . Waste name: BENZENE, 1,3-DIISOCYANATOMETHYL- (R,T) (OR) TOLUENE DIISOCYANATE (R,T)

- . Waste code: U225
- . Waste name: BROMOFORM (OR) METHANE, TRIBROMO-

- . Waste code: U226
- . Waste name: ETHANE, 1,1,1-TRICHLORO- (OR) METHYL CHLOROFORM

- . Waste code: U227
- . Waste name: 1,1,2-TRICHLOROETHANE (OR) ETHANE, 1,1,2-TRICHLORO-

- . Waste code: U228
- . Waste name: ETHENE, TRICHLORO- (OR) TRICHLOROETHYLENE

- . Waste code: U235
- . Waste name: 1-PROPANOL, 2,3-DIBROMO-, PHOSPHATE (3:1) (OR) TRIS(2,3,-DIBROMOPROPYL) PHOSPHATE

- . Waste code: U236
- . Waste name: 2,7-NAPHTHALENEDISULFONIC ACID,3,3'-[(3,3'-DIMETHYL[1,1'-BIPHENYL]-4,4'-DIYL)BIS(AZO)BIS[5-AMINO-4-HYDROXY]-, TETRASODIUM SALT (OR) TRY PAN BLUE

- . Waste code: U237
- . Waste name: 2,4-(1H,3H)-PYRIMIDINEDIONE, 5-[BIS(2-CHLOROETHYL)AMINO]- (OR) URACIL MUSTARD

- . Waste code: U238
- . Waste name: CARBAMIC ACID, ETHYL ESTER (OR) ETHYL CARBAMATE (URETHANE)

- . Waste code: U239
- . Waste name: BENZENE, DIMETHYL- (I,T) (OR) XYLENE (I)

- . Waste code: U240
- . Waste name: 2,4-D, SALTS & ESTERS (OR) ACETIC ACID, (2,4-DICHLOROPHENOXY)-, SALTS & ESTERS (OR) DICHLOROPHENOXYACETIC ACID 2,4-D

- . Waste code: U243
- . Waste name: 1-PROPENE, 1,1,2,3,3,3-HEXACHLORO- (OR) HEXACHLOROPROPENE

- . Waste code: U244
- . Waste name: THIOPEROXYDICARBONIC DIAMIDE [(H2N)C(S)]2S2, TETRAMETHYL- (OR) THIRAM

- . Waste code: U246
- . Waste name: CYANOGEN BROMIDE (CN)BR

- . Waste code: U247
- . Waste name: BENZENE, 1,1'-(2,2,2-TRICHLOROETHYLIDENE)BIS[4-METHOXY- (OR) METHOXYCHLOR

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- . Waste code: U248
- . Waste name: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYL-BUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS OF 0.3% OR LESS (OR) WARFARIN, & SALTS, WHEN PRESENT AT CONCENTRATIONS OF 0.3% OR LESS

- . Waste code: U249
- . Waste name: ZINC PHOSPHIDE ZN3P2, WHEN PRESENT AT CONCENTRATIONS OF 10% OR LESS

- . Waste code: U271
- . Waste name: BENOMYL (OR) CARBAMIC ACID, [1-[(BUTYLAMINO)CARBONYL]-1H-BENZIMIDAZOL-2-YL]-, METHYL ESTER

- . Waste code: U278
- . Waste name: BENDIOCARB (OR) 1,3-BENZODIOXOL-4-OL, 2,2-DIMETHYL-, METHYL CARBAMATE

- . Waste code: U279
- . Waste name: CARBARYL (OR) 1-NAPHTHALENOL, METHYLCARBAMATE

- . Waste code: U280
- . Waste name: BARBAN (OR) CARBAMIC ACID, (3-CHLOROPHENYL)-, 4-CHLORO-2-BUTYNYL ESTER

- . Waste code: U328
- . Waste name: BENZENAMINE, 2-METHYL- (OR) O-TOLUIDINE

- . Waste code: U353
- . Waste name: BENZENAMINE, 4-METHYL- (OR) P-TOLUIDINE

- . Waste code: U359
- . Waste name: ETHANOL, 2-ETHOXY- (OR) ETHYLENE GLYCOL MONOETHYL ETHER

- . Waste code: U364
- . Waste name: BENDIOCARB PHENOL (OR) 1,3-BENZODIOXOL-4-OL, 2,2-DIMETHYL-

- . Waste code: U367
- . Waste name: 7-BENZOFURANOL, 2,3-DIHYDRO-2,2-DIMETHYL- (OR) CARBOFURAN PHENOL

- . Waste code: U372
- . Waste name: CARBAMIC ACID, 1H-BENZIMIDAZOL-2-YL, METHYL ESTER (OR) CARBENDAZIM

- . Waste code: U373
- . Waste name: CARBAMIC ACID, PHENYL-, 1-METHYLETHYL ESTER (OR) PROPHAM

- . Waste code: U387
- . Waste name: CARBAMOTHIOIC ACID, DIPROPYL-, S-(PHENYLMETHYL) ESTER (OR) PROSULFOCARB

- . Waste code: U389
- . Waste name: CARBAMOTHIOIC ACID, BIS(1-METHYLETHYL)-, S-(2,3,3-TRICHLORO-2-PROPENYL) ESTER (OR) TRIALLATE

- . Waste code: U394
- . Waste name: A2213 (OR) ETHANIMIDOTHIOIC ACID, 2-(DIMETHYLAMINO)-N-HYDROXY-2-OXO-, METHYL ESTER

- . Waste code: U395
- . Waste name: DIETHYLENE GLYCOL, DICARBAMATE (OR) ETHANOL, 2,2'-OXYBIS-, DICARBAMATE

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CROSBY & OVERTON (Continued)

1000377893

- . Waste code: U409
- . Waste name: CARBAMIC ACID, [1,2-PHENYLENEBIS (IMINOCARBONOTHIOYL)]BIS-, DIMETHYL ESTER (OR) THIOPHANATE-METHYL

- . Waste code: U410
- . Waste name: ETHANIMIDOTHIOIC ACID, N,N'-[THIOBIS[(METHYLIMINO)CARBONYLOXY]]BIS-, DIMETHYL ESTER (OR) THIODICARB

- . Waste code: U411
- . Waste name: PHENOL, 2-(1-METHYLETHOXY)-, METHYLCARBAMATE (OR) PROPOXUR

Biennial Reports:

Last Biennial Reporting Year: 2017

Annual Waste Handled:

- Waste code: D001
- Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Amount (Lbs): 1779040.4

- Waste code: D002
- Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Amount (Lbs): 1203356.2

- Waste code: D003
- Waste name: A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.

Amount (Lbs): 63732

- Waste code: D004
- Waste name: ARSENIC
- Amount (Lbs): 2090934.3

- Waste code: D005
- Waste name: BARIUM
- Amount (Lbs): 2349949.3

- Waste code: D006
- Waste name: CADMIUM
- Amount (Lbs): 2480740.9

- Waste code: D007
- Waste name: CHROMIUM

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CROSBY & OVERTON (Continued)

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Amount (Lbs):	2491207.6
Waste code:	D008
Waste name:	LEAD
Amount (Lbs):	2860707.3
Waste code:	D009
Waste name:	MERCURY
Amount (Lbs):	1119051.9
Waste code:	D010
Waste name:	SELENIUM
Amount (Lbs):	2174096.3
Waste code:	D011
Waste name:	SILVER
Amount (Lbs):	2436450.1
Waste code:	D012
Waste name:	ENDRIN
Amount (Lbs):	2086
Waste code:	D013
Waste name:	LINDANE
Amount (Lbs):	46054.7
Waste code:	D014
Waste name:	METHOXYCHLOR
Amount (Lbs):	46054.7
Waste code:	D016
Waste name:	2,4-D
Amount (Lbs):	257725.2
Waste code:	D018
Waste name:	BENZENE
Amount (Lbs):	2659389.7
Waste code:	D019
Waste name:	CARBON TETRACHLORIDE
Amount (Lbs):	411762.7
Waste code:	D020
Waste name:	CHLORDANE
Amount (Lbs):	802629.7
Waste code:	D021
Waste name:	CHLOROBENZENE
Amount (Lbs):	498245.2
Waste code:	D022
Waste name:	CHLOROFORM
Amount (Lbs):	873423.6
Waste code:	D026
Waste name:	CRESOL
Amount (Lbs):	7993.8

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CROSBY & OVERTON (Continued)

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Waste code: D027
Waste name: 1,4-DICHLOROBENZENE
Amount (Lbs): 4308.5

Waste code: D028
Waste name: 1,2-DICHLOROETHANE
Amount (Lbs): 667917.6

Waste code: D032
Waste name: HEXACHLOROBENZENE
Amount (Lbs): 1553.5

Waste code: D035
Waste name: METHYL ETHYL KETONE
Amount (Lbs): 1422854.8

Waste code: D037
Waste name: PENTRACHLOROPHENOL
Amount (Lbs): 39660.3

Waste code: D038
Waste name: PYRIDINE
Amount (Lbs): 448451.3

Waste code: D039
Waste name: TETRACHLOROETHYLENE
Amount (Lbs): 327289.4

Waste code: D040
Waste name: TRICHLOROETHYLENE
Amount (Lbs): 583994.1

Waste code: D041
Waste name: 2,4,5-TRICHLOROPHENOL
Amount (Lbs): 4308.5

Waste code: D043
Waste name: VINYL CHLORIDE
Amount (Lbs): 308043.7

Waste code: F001
Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE, AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 454282.5

Waste code: F002
Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING,

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CROSBY & OVERTON (Continued)

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BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Amount (Lbs): 1220403

Waste code: F003

Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Amount (Lbs): 1611850

Waste code: F004

Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: CRESOLS AND CRESYLIC ACID, AND NITROBENZENE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Amount (Lbs): 19290

Waste code: F005

Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Amount (Lbs): 1559841.4

Waste code: F006

Waste name: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

Amount (Lbs): 19990

Waste code: P001

Waste name: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%

Amount (Lbs): 6414.9

Waste code: P030

Waste name: CYANIDES (SOLUBLE CYANIDE SALTS), NOT OTHERWISE SPECIFIED

Amount (Lbs): 3441

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CROSBY & OVERTON (Continued)

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Waste code:	P098
Waste name:	POTASSIUM CYANIDE
Amount (Lbs):	1210
Waste code:	U002
Waste name:	ACETONE (I)
Amount (Lbs):	556839.1
Waste code:	U031
Waste name:	1-BUTANOL (I)
Amount (Lbs):	556839.1
Waste code:	U080
Waste name:	METHANE, DICHLORO-
Amount (Lbs):	7993.8
Waste code:	U112
Waste name:	ACETIC ACID ETHYL ESTER (I)
Amount (Lbs):	253416.8
Waste code:	U122
Waste name:	FORMALDEHYDE
Amount (Lbs):	253416.8
Waste code:	U154
Waste name:	METHANOL (I)
Amount (Lbs):	290009.6
Waste code:	U159
Waste name:	2-BUTANONE (I,T)
Amount (Lbs):	253416.8
Waste code:	U188
Waste name:	PHENOL
Amount (Lbs):	52340.7
Waste code:	U220
Waste name:	BENZENE, METHYL-
Amount (Lbs):	556839.1
Waste code:	U226
Waste name:	ETHANE, 1,1,1-TRICHLORO-
Amount (Lbs):	459
Waste code:	U239
Waste name:	BENZENE, DIMETHYL- (I,T)
Amount (Lbs):	599120.6

Corrective Action Summary:

Event date:	1984-06-01 00:00:00.0
Event:	LEAD AGENCY DETERMINATION
Event date:	1984-06-01 00:00:00.0
Event:	PA OR CERCLA INSPECTION
Event date:	1984-06-01 00:00:00.0

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CROSBY & OVERTON (Continued)

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Event:	CA PRIORITIZATION-LOW CA PRIORITY
Event date:	1988-07-28 00:00:00.0
Event:	RFA COMPLETED-ASSESSMENT WAS A RFA
Event date:	1988-08-01 00:00:00.0
Event:	PA OR CERCLA INSPECTION
Event date:	1993-01-15 00:00:00.0
Event:	CA PRIORITIZATION-LOW CA PRIORITY
Event date:	1993-02-24 00:00:00.0
Event:	STABILIZATION MEASURES EVALUATION-FACILITY NOT AMENABLE TO STABILIZATION
Event date:	2014-08-20 00:00:00.0
Event:	HUMAN EXPOSURES CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE
Event date:	2014-08-20 00:00:00.0
Event:	RELEASE TO GW CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE
Event date:	2014-08-20 00:00:00.0
Event:	REMEDY CONSTRUCTION-REMEDY CONSTRUCTED

Facility Has Received Notices of Violations:

Regulation violated:	Not reported
Area of violation:	State Statute or Regulation
Date violation determined:	2019-02-12 00:00:00.0
Date achieved compliance:	2019-02-12 00:00:00.0
Violation lead agency:	State
Enforcement action:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date:	2019-02-13 00:00:00.0
Enf. disposition status:	Not reported
Enf. disp. status date:	Not reported
Enforcement lead agency:	State
Proposed penalty amount:	Not reported
Final penalty amount:	Not reported
Paid penalty amount:	Not reported

Regulation violated:	Not reported
Area of violation:	TSD - Financial Requirements
Date violation determined:	2017-06-20 00:00:00.0
Date achieved compliance:	2017-07-12 00:00:00.0
Violation lead agency:	State
Enforcement action:	FINANCIAL RECORD REVIEW
Enforcement action date:	2017-06-20 00:00:00.0
Enf. disposition status:	Not reported
Enf. disp. status date:	Not reported
Enforcement lead agency:	State
Proposed penalty amount:	Not reported
Final penalty amount:	Not reported
Paid penalty amount:	Not reported

Regulation violated:	Not reported
Area of violation:	TSD - Air Emission Standards - Tanks/SI/Containers
Date violation determined:	2014-08-25 00:00:00.0

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CROSBY & OVERTON (Continued)

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Date achieved compliance: 2016-07-29 00:00:00.0
Violation lead agency: EPA
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2016-07-29 00:00:00.0
Enf. disposition status: Action Satisfied (Case Closed)
Enf. disp. status date: 2016-07-29 00:00:00.0
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: 78570
Paid penalty amount: 0

Regulation violated: Not reported
Area of violation: Permits - Conditions
Date violation determined: 2014-08-25 00:00:00.0
Date achieved compliance: 2016-07-29 00:00:00.0
Violation lead agency: EPA
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2016-07-29 00:00:00.0
Enf. disposition status: Action Satisfied (Case Closed)
Enf. disp. status date: 2016-07-29 00:00:00.0
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: 78570
Paid penalty amount: 0

Regulation violated: Not reported
Area of violation: TSD - Container Use and Management
Date violation determined: 2014-08-25 00:00:00.0
Date achieved compliance: 2014-08-26 00:00:00.0
Violation lead agency: EPA
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Air Emission Standards for Equipment Leaks
Date violation determined: 2014-08-25 00:00:00.0
Date achieved compliance: 2016-07-29 00:00:00.0
Violation lead agency: EPA
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2016-07-29 00:00:00.0
Enf. disposition status: Action Satisfied (Case Closed)
Enf. disp. status date: 2016-07-29 00:00:00.0
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: 78570
Paid penalty amount: 0

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 2012-11-28 00:00:00.0
Date achieved compliance: 2013-03-06 00:00:00.0

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CROSBY & OVERTON (Continued)

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Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2013-02-01 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 2011-08-02 00:00:00.0
Date achieved compliance: 2011-10-17 00:00:00.0
Violation lead agency: State
Enforcement action: FOLLOW-UP INSPECTION
Enforcement action date: 2011-09-29 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: State Statute or Regulation
Date violation determined: 2011-08-02 00:00:00.0
Date achieved compliance: 2011-10-17 00:00:00.0
Violation lead agency: State
Enforcement action: FOLLOW-UP INSPECTION
Enforcement action date: 2011-09-29 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 2009-04-23 00:00:00.0
Date achieved compliance: 2009-07-17 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2009-05-05 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Manifest/Records/Reporting
Date violation determined: 2009-04-23 00:00:00.0
Date achieved compliance: 2009-10-26 00:00:00.0
Violation lead agency: State

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CROSBY & OVERTON (Continued)

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Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2009-05-05 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 2009-04-23 00:00:00.0
Date achieved compliance: 2009-07-20 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2010-09-27 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 40000
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Air Emission Standards - Tanks/Sl/Containers
Date violation determined: 2009-04-23 00:00:00.0
Date achieved compliance: 2009-07-20 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2010-09-27 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 40000
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 2009-04-23 00:00:00.0
Date achieved compliance: 2009-07-20 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2009-05-05 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Manifest/Records/Reporting
Date violation determined: 2009-04-23 00:00:00.0
Date achieved compliance: 2009-10-26 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE

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CROSBY & OVERTON (Continued)

1000377893

Enforcement action date: 2010-09-27 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 40000
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Manifest/Records/Reporting
Date violation determined: 2009-04-23 00:00:00.0
Date achieved compliance: 2009-07-17 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2009-05-05 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Container Use and Management
Date violation determined: 2009-04-23 00:00:00.0
Date achieved compliance: 2009-10-26 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2009-05-05 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Preparedness and Prevention
Date violation determined: 2009-04-23 00:00:00.0
Date achieved compliance: 2009-07-20 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2010-09-27 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 40000
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Container Use and Management
Date violation determined: 2009-04-23 00:00:00.0
Date achieved compliance: 2009-10-26 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2010-09-27 00:00:00.0

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CROSBY & OVERTON (Continued)

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Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 40000
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Air Emission Standards - Tanks/SI/Containers
Date violation determined: 2009-04-23 00:00:00.0
Date achieved compliance: 2009-07-20 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2009-05-05 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Preparedness and Prevention
Date violation determined: 2009-04-23 00:00:00.0
Date achieved compliance: 2009-07-20 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2009-05-05 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: State Statute or Regulation
Date violation determined: 2008-10-23 00:00:00.0
Date achieved compliance: 2008-10-23 00:00:00.0
Violation lead agency: State
Enforcement action: FOLLOW-UP INSPECTION
Enforcement action date: 2008-10-23 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Transporters - General
Date violation determined: 2008-10-23 00:00:00.0
Date achieved compliance: 2008-10-23 00:00:00.0
Violation lead agency: State
Enforcement action: FOLLOW-UP INSPECTION
Enforcement action date: 2008-10-23 00:00:00.0
Enf. disposition status: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: State Statute or Regulation
Date violation determined: 2008-02-25 00:00:00.0
Date achieved compliance: 2008-02-25 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2008-02-25 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Container Use and Management
Date violation determined: 2008-02-25 00:00:00.0
Date achieved compliance: 2008-02-25 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2008-02-25 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Permit Condition or Requirement
Date violation determined: 2008-02-25 00:00:00.0
Date achieved compliance: 2008-07-13 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2008-02-25 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: State Statute or Regulation
Date violation determined: 2008-02-25 00:00:00.0
Date achieved compliance: 2008-07-13 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2008-02-25 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported

Map ID
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Manifest
Date violation determined: 2007-09-19 00:00:00.0
Date achieved compliance: 2007-10-01 00:00:00.0
Violation lead agency: State
Enforcement action: FOLLOW-UP INSPECTION
Enforcement action date: 2007-09-20 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Container Use and Management
Date violation determined: 2007-05-16 00:00:00.0
Date achieved compliance: 2007-05-16 00:00:00.0
Violation lead agency: State
Enforcement action: FOLLOW-UP INSPECTION
Enforcement action date: 2007-05-17 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Container Use and Management
Date violation determined: 2007-03-27 00:00:00.0
Date achieved compliance: 2007-03-27 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2007-03-27 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 2006-01-24 00:00:00.0
Date achieved compliance: 2006-03-27 00:00:00.0
Violation lead agency: State
Enforcement action: FOLLOW-UP INSPECTION
Enforcement action date: 2006-06-30 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Preparedness and Prevention
Date violation determined: 2006-01-24 00:00:00.0
Date achieved compliance: 2006-03-27 00:00:00.0
Violation lead agency: State
Enforcement action: FOLLOW-UP INSPECTION
Enforcement action date: 2006-01-26 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Preparedness and Prevention
Date violation determined: 2006-01-24 00:00:00.0
Date achieved compliance: 2006-03-27 00:00:00.0
Violation lead agency: State
Enforcement action: FOLLOW-UP INSPECTION
Enforcement action date: 2006-07-27 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 35240
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Preparedness and Prevention
Date violation determined: 2006-01-24 00:00:00.0
Date achieved compliance: 2006-03-27 00:00:00.0
Violation lead agency: State
Enforcement action: FOLLOW-UP INSPECTION
Enforcement action date: 2006-06-30 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Container Use and Management
Date violation determined: 2006-01-24 00:00:00.0
Date achieved compliance: 2006-03-27 00:00:00.0
Violation lead agency: State
Enforcement action: FOLLOW-UP INSPECTION
Enforcement action date: 2006-01-26 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported

Map ID
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Container Use and Management
Date violation determined: 2006-01-24 00:00:00.0
Date achieved compliance: 2006-03-27 00:00:00.0
Violation lead agency: State
Enforcement action: FOLLOW-UP INSPECTION
Enforcement action date: 2006-07-27 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 35240
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Container Use and Management
Date violation determined: 2006-01-24 00:00:00.0
Date achieved compliance: 2006-03-27 00:00:00.0
Violation lead agency: State
Enforcement action: FOLLOW-UP INSPECTION
Enforcement action date: 2006-06-30 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 2006-01-24 00:00:00.0
Date achieved compliance: 2006-03-27 00:00:00.0
Violation lead agency: State
Enforcement action: FOLLOW-UP INSPECTION
Enforcement action date: 2006-01-26 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 2006-01-24 00:00:00.0
Date achieved compliance: 2006-03-27 00:00:00.0
Violation lead agency: State
Enforcement action: FOLLOW-UP INSPECTION
Enforcement action date: 2006-07-27 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 35240

Map ID
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Container Use and Management
Date violation determined: 2005-06-28 00:00:00.0
Date achieved compliance: 2005-06-28 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2006-07-27 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 35240
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 2005-06-28 00:00:00.0
Date achieved compliance: 2005-10-05 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2005-06-28 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Container Use and Management
Date violation determined: 2005-06-28 00:00:00.0
Date achieved compliance: 2005-06-28 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2005-06-28 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Container Use and Management
Date violation determined: 2005-06-28 00:00:00.0
Date achieved compliance: 2005-06-28 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2006-06-30 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Regulation violated: Not reported
Area of violation: TSD - Tank System Standards
Date violation determined: 2005-06-28 00:00:00.0
Date achieved compliance: 2005-10-05 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2006-06-30 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 2005-06-28 00:00:00.0
Date achieved compliance: 2005-10-05 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2006-06-30 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Tank System Standards
Date violation determined: 2005-06-28 00:00:00.0
Date achieved compliance: 2005-10-05 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2005-06-28 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Tank System Standards
Date violation determined: 2005-06-28 00:00:00.0
Date achieved compliance: 2005-10-05 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2006-07-27 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 35240
Paid penalty amount: Not reported

Regulation violated: Not reported

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Area of violation: TSD - General Facility Standards
Date violation determined: 2005-06-28 00:00:00.0
Date achieved compliance: 2005-10-05 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2006-07-27 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 35240
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Container Use and Management
Date violation determined: 2005-02-09 00:00:00.0
Date achieved compliance: 2005-02-09 00:00:00.0
Violation lead agency: State
Enforcement action: FOLLOW-UP INSPECTION
Enforcement action date: 2005-02-09 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 2005-02-09 00:00:00.0
Date achieved compliance: 2005-02-23 00:00:00.0
Violation lead agency: State
Enforcement action: FOLLOW-UP INSPECTION
Enforcement action date: 2005-02-09 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Container Use and Management
Date violation determined: 2004-11-22 00:00:00.0
Date achieved compliance: 2004-11-23 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2004-11-24 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Container Use and Management

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Date violation determined: 2004-08-19 00:00:00.0
Date achieved compliance: 2004-08-19 00:00:00.0
Violation lead agency: State
Enforcement action: FOLLOW-UP INSPECTION
Enforcement action date: 2004-08-19 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Container Use and Management
Date violation determined: 2004-08-19 00:00:00.0
Date achieved compliance: 2004-08-19 00:00:00.0
Violation lead agency: State
Enforcement action: FOLLOW-UP INSPECTION
Enforcement action date: 2004-09-30 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Container Use and Management
Date violation determined: 2004-08-19 00:00:00.0
Date achieved compliance: 2004-08-19 00:00:00.0
Violation lead agency: State
Enforcement action: FOLLOW-UP INSPECTION
Enforcement action date: 2005-01-06 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 60000
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 2003-11-04 00:00:00.0
Date achieved compliance: 2004-01-28 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2004-09-30 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 2003-11-04 00:00:00.0

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Date achieved compliance: 2003-12-16 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2003-11-17 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Tank System Standards
Date violation determined: 2003-11-04 00:00:00.0
Date achieved compliance: 2004-06-24 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2005-01-06 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 60000
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Manifest/Records/Reporting
Date violation determined: 2003-11-04 00:00:00.0
Date achieved compliance: 2004-06-24 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2003-11-17 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Manifest/Records/Reporting
Date violation determined: 2003-11-04 00:00:00.0
Date achieved compliance: 2004-06-24 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2005-01-06 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 60000
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 2003-11-04 00:00:00.0
Date achieved compliance: 2004-06-24 00:00:00.0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2005-01-06 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 60000
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 2003-11-04 00:00:00.0
Date achieved compliance: 2004-06-24 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2004-09-30 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 2003-11-04 00:00:00.0
Date achieved compliance: 2004-01-28 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2003-11-17 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 2003-11-04 00:00:00.0
Date achieved compliance: 2004-06-24 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2003-11-17 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 2003-11-04 00:00:00.0
Date achieved compliance: 2004-01-28 00:00:00.0
Violation lead agency: State

Map ID
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Elevation

MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2005-01-06 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 60000
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Tank System Standards
Date violation determined: 2003-11-04 00:00:00.0
Date achieved compliance: 2004-06-24 00:00:00.0

Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2004-09-30 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Tank System Standards
Date violation determined: 2003-11-04 00:00:00.0
Date achieved compliance: 2004-06-24 00:00:00.0

Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2003-11-17 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Manifest/Records/Reporting
Date violation determined: 2003-11-04 00:00:00.0
Date achieved compliance: 2004-06-24 00:00:00.0

Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2004-09-30 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 2003-11-04 00:00:00.0
Date achieved compliance: 2003-12-16 00:00:00.0

Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE

Map ID
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Enforcement action date: 2003-11-17 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 2002-09-10 00:00:00.0
Date achieved compliance: 2002-12-10 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2002-09-11 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Financial Requirements
Date violation determined: 2002-09-04 00:00:00.0
Date achieved compliance: 2003-09-02 00:00:00.0
Violation lead agency: State
Enforcement action: FINANCIAL RECORD REVIEW
Enforcement action date: 2002-09-04 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Financial Requirements
Date violation determined: 2001-12-14 00:00:00.0
Date achieved compliance: 2003-09-02 00:00:00.0
Violation lead agency: State
Enforcement action: FINANCIAL RECORD REVIEW
Enforcement action date: 2001-12-14 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Container Use and Management
Date violation determined: 2001-10-31 00:00:00.0
Date achieved compliance: 2001-10-31 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2001-11-01 00:00:00.0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Container Use and Management
Date violation determined: 2001-10-31 00:00:00.0
Date achieved compliance: 2002-02-01 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2001-11-01 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 2001-10-31 00:00:00.0
Date achieved compliance: 2002-02-01 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2001-11-01 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Tank System Standards
Date violation determined: 1999-09-29 00:00:00.0
Date achieved compliance: 2000-10-03 00:00:00.0
Violation lead agency: State
Enforcement action: FOLLOW-UP INSPECTION
Enforcement action date: 1999-10-07 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 1999-09-29 00:00:00.0
Date achieved compliance: 1999-11-12 00:00:00.0
Violation lead agency: State
Enforcement action: FOLLOW-UP INSPECTION
Enforcement action date: 1999-10-07 00:00:00.0
Enf. disposition status: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Preparedness and Prevention
Date violation determined: 1999-09-29 00:00:00.0
Date achieved compliance: 1999-11-12 00:00:00.0
Violation lead agency: State
Enforcement action: FOLLOW-UP INSPECTION
Enforcement action date: 1999-10-07 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Container Use and Management
Date violation determined: 1999-09-29 00:00:00.0
Date achieved compliance: 1999-11-12 00:00:00.0
Violation lead agency: State
Enforcement action: FOLLOW-UP INSPECTION
Enforcement action date: 1999-10-07 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Container Use and Management
Date violation determined: 1999-09-29 00:00:00.0
Date achieved compliance: 1999-11-12 00:00:00.0
Violation lead agency: State
Enforcement action: FOLLOW-UP INSPECTION
Enforcement action date: 2003-03-17 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 1999-09-29 00:00:00.0
Date achieved compliance: 2000-10-03 00:00:00.0
Violation lead agency: State
Enforcement action: FOLLOW-UP INSPECTION
Enforcement action date: 2003-03-17 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Preparedness and Prevention
Date violation determined: 1999-09-29 00:00:00.0
Date achieved compliance: 1999-11-12 00:00:00.0
Violation lead agency: State
Enforcement action: FOLLOW-UP INSPECTION
Enforcement action date: 2003-03-17 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 1999-09-29 00:00:00.0
Date achieved compliance: 2000-10-03 00:00:00.0
Violation lead agency: State
Enforcement action: FOLLOW-UP INSPECTION
Enforcement action date: 1999-10-07 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Tank System Standards
Date violation determined: 1999-09-29 00:00:00.0
Date achieved compliance: 2000-10-03 00:00:00.0
Violation lead agency: State
Enforcement action: FOLLOW-UP INSPECTION
Enforcement action date: 2003-03-17 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 1999-06-21 00:00:00.0
Date achieved compliance: 1999-11-11 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1999-06-21 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 1999-06-21 00:00:00.0
Date achieved compliance: 1999-11-11 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2003-03-17 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Manifest/Records/Reporting
Date violation determined: 1999-06-21 00:00:00.0
Date achieved compliance: 1999-11-11 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1999-06-21 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Manifest/Records/Reporting
Date violation determined: 1999-06-21 00:00:00.0
Date achieved compliance: 1999-11-11 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2003-03-17 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 264.10-18.B
Area of violation: TSD - General
Date violation determined: 1998-02-26 00:00:00.0
Date achieved compliance: 1998-04-29 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1998-04-24 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported

Map ID
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Final penalty amount: 4000
Paid penalty amount: 4000

Regulation violated: F - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 1993-02-04 00:00:00.0
Date achieved compliance: 1993-07-09 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1993-02-04 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 264.70-77.E
Area of violation: TSD - General
Date violation determined: 1993-02-04 00:00:00.0
Date achieved compliance: 1993-02-18 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1993-02-04 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 268 ALL
Area of violation: LDR - General
Date violation determined: 1993-02-04 00:00:00.0
Date achieved compliance: 1993-02-18 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1993-02-04 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.10-18.B
Area of violation: TSD - General
Date violation determined: 1991-12-06 00:00:00.0
Date achieved compliance: 1992-02-06 00:00:00.0
Violation lead agency: EPA
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported

Map ID
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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Paid penalty amount: Not reported

Regulation violated: FR - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 1990-05-08 00:00:00.0
Date achieved compliance: 1990-11-02 00:00:00.0
Violation lead agency: State
Enforcement action: FINANCIAL RECORD REVIEW
Enforcement action date: 1990-08-29 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 270
Area of violation: TSD - General
Date violation determined: 1990-04-16 00:00:00.0
Date achieved compliance: 1991-10-14 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1990-05-24 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 146500
Final penalty amount: 146500
Paid penalty amount: Not reported

Regulation violated: F - 270
Area of violation: TSD - General
Date violation determined: 1989-10-17 00:00:00.0
Date achieved compliance: 1989-10-18 00:00:00.0
Violation lead agency: State
Enforcement action: FINANCIAL RECORD REVIEW
Enforcement action date: 1989-11-22 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 264.70-77.E
Area of violation: TSD - General
Date violation determined: 1989-10-17 00:00:00.0
Date achieved compliance: 1989-10-18 00:00:00.0
Violation lead agency: State
Enforcement action: FINANCIAL RECORD REVIEW
Enforcement action date: 1989-11-22 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Regulation violated: F - 270
Area of violation: TSD - General
Date violation determined: 1989-10-11 00:00:00.0
Date achieved compliance: 1989-12-15 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1989-11-22 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 264.70-77.E
Area of violation: TSD - General
Date violation determined: 1989-10-11 00:00:00.0
Date achieved compliance: 1989-12-15 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1989-11-22 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 1989-07-26 00:00:00.0
Date achieved compliance: 1990-06-20 00:00:00.0
Violation lead agency: EPA
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1990-06-20 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 268 ALL
Area of violation: LDR - General
Date violation determined: 1989-02-17 00:00:00.0
Date achieved compliance: 1990-02-15 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1988-12-22 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 268.7

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Area of violation: LDR - General
Date violation determined: 1989-02-17 00:00:00.0
Date achieved compliance: 1990-02-15 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1989-04-13 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 270
Area of violation: TSD - General
Date violation determined: 1989-02-17 00:00:00.0
Date achieved compliance: 1990-02-15 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1989-04-13 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 264.70-77.E
Area of violation: TSD - General
Date violation determined: 1989-02-17 00:00:00.0
Date achieved compliance: 1990-02-15 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1989-04-13 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 270
Area of violation: TSD - General
Date violation determined: 1989-02-17 00:00:00.0
Date achieved compliance: 1990-02-15 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1988-12-22 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 264.70-77.E
Area of violation: TSD - General

Map ID
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Date violation determined: 1989-02-17 00:00:00.0
Date achieved compliance: 1990-02-15 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1988-12-22 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 268.7
Area of violation: LDR - General
Date violation determined: 1989-02-17 00:00:00.0
Date achieved compliance: 1990-02-15 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1988-12-22 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 268 ALL
Area of violation: LDR - General
Date violation determined: 1989-02-17 00:00:00.0
Date achieved compliance: 1990-02-15 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1989-04-13 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 1989-02-08 00:00:00.0
Date achieved compliance: 1989-10-18 00:00:00.0
Violation lead agency: State
Enforcement action: FINANCIAL RECORD REVIEW
Enforcement action date: 1988-12-28 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 1989-02-08 00:00:00.0

Map ID
Direction
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Elevation

MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Date achieved compliance: 1989-10-18 00:00:00.0
Violation lead agency: State
Enforcement action: FINANCIAL RECORD REVIEW
Enforcement action date: 1989-08-29 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 79000
Paid penalty amount: 79000

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 1987-12-03 00:00:00.0
Date achieved compliance: 1989-02-17 00:00:00.0
Violation lead agency: EPA
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1988-02-19 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268.7
Area of violation: LDR - General
Date violation determined: 1987-12-03 00:00:00.0
Date achieved compliance: 1989-02-17 00:00:00.0
Violation lead agency: EPA
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1988-02-19 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268 ALL
Area of violation: LDR - General
Date violation determined: 1987-12-03 00:00:00.0
Date achieved compliance: 1989-02-17 00:00:00.0
Violation lead agency: EPA
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1988-02-19 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 1987-11-24 00:00:00.0
Date achieved compliance: 1989-10-18 00:00:00.0

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Violation lead agency: State
Enforcement action: FINANCIAL RECORD REVIEW
Enforcement action date: 1988-12-28 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 1987-11-24 00:00:00.0
Date achieved compliance: 1989-10-18 00:00:00.0
Violation lead agency: State
Enforcement action: FINANCIAL RECORD REVIEW
Enforcement action date: 1987-12-21 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.70-77.E
Area of violation: TSD - General
Date violation determined: 1987-11-12 00:00:00.0
Date achieved compliance: 1989-12-15 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1988-12-22 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.70-77.E
Area of violation: TSD - General
Date violation determined: 1987-11-12 00:00:00.0
Date achieved compliance: 1989-12-15 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1987-12-07 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 1987-11-12 00:00:00.0
Date achieved compliance: 1989-12-15 00:00:00.0
Violation lead agency: State

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1987-11-12 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.70-77.E
Area of violation: TSD - General
Date violation determined: 1987-11-12 00:00:00.0
Date achieved compliance: 1989-12-15 00:00:00.0
Violation lead agency: State

Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1987-11-12 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 1987-11-12 00:00:00.0
Date achieved compliance: 1989-12-15 00:00:00.0
Violation lead agency: State

Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1988-12-22 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.70-77.E
Area of violation: TSD - General
Date violation determined: 1987-11-12 00:00:00.0
Date achieved compliance: 1989-12-15 00:00:00.0
Violation lead agency: State

Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1988-12-28 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 1987-11-12 00:00:00.0
Date achieved compliance: 1989-12-15 00:00:00.0
Violation lead agency: State

Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Enforcement action date: 1987-12-07 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268 ALL
Area of violation: LDR - General
Date violation determined: 1987-11-12 00:00:00.0
Date achieved compliance: 1989-12-15 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1988-12-22 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268.7
Area of violation: LDR - General
Date violation determined: 1987-11-12 00:00:00.0
Date achieved compliance: 1989-12-15 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1988-12-22 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 1987-11-12 00:00:00.0
Date achieved compliance: 1989-12-15 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1988-12-28 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268.7
Area of violation: LDR - General
Date violation determined: 1987-11-12 00:00:00.0
Date achieved compliance: 1989-12-15 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1988-12-28 00:00:00.0

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268 ALL
Area of violation: LDR - General
Date violation determined: 1987-11-12 00:00:00.0
Date achieved compliance: 1989-12-15 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1988-12-28 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 2009-04-23 00:00:00.0
Evaluation: SINGLE SITE CA/FO
Area of violation: TSD - Air Emission Standards - Tanks/SI/Containers
Date achieved compliance: 2009-07-20 00:00:00.0
Evaluation lead agency: State

Evaluation date: 2009-04-23 00:00:00.0
Evaluation: SINGLE SITE CA/FO
Area of violation: TSD - Container Use and Management
Date achieved compliance: 2009-10-26 00:00:00.0
Evaluation lead agency: State

Evaluation date: 2009-04-23 00:00:00.0
Evaluation: SINGLE SITE CA/FO
Area of violation: TSD - Preparedness and Prevention
Date achieved compliance: 2009-07-20 00:00:00.0
Evaluation lead agency: State

Evaluation date: 2009-04-23 00:00:00.0
Evaluation: SINGLE SITE CA/FO
Area of violation: TSD - General Facility Standards
Date achieved compliance: 2009-07-20 00:00:00.0
Evaluation lead agency: State

Evaluation date: 2009-04-23 00:00:00.0
Evaluation: SINGLE SITE CA/FO
Area of violation: TSD - Manifest/Records/Reporting
Date achieved compliance: 2009-10-26 00:00:00.0
Evaluation lead agency: State

Evaluation date: 2006-01-24 00:00:00.0
Evaluation: SINGLE SITE CA/FO
Area of violation: TSD - General Facility Standards
Date achieved compliance: 2006-03-27 00:00:00.0
Evaluation lead agency: State

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Evaluation date: 2006-01-24 00:00:00.0
Evaluation: SINGLE SITE CA/FO
Area of violation: TSD - Container Use and Management
Date achieved compliance: 2006-03-27 00:00:00.0
Evaluation lead agency: State

Evaluation date: 2006-01-24 00:00:00.0
Evaluation: SINGLE SITE CA/FO
Area of violation: TSD - Preparedness and Prevention
Date achieved compliance: 2006-03-27 00:00:00.0
Evaluation lead agency: State

Evaluation date: 2006-01-24 00:00:00.0
Evaluation: LETTER OF INTENT TO INITIATE ENFORCEMENT ACTION
Area of violation: TSD - Container Use and Management
Date achieved compliance: 2006-03-27 00:00:00.0
Evaluation lead agency: State

Evaluation date: 2006-01-24 00:00:00.0
Evaluation: LETTER OF INTENT TO INITIATE ENFORCEMENT ACTION
Area of violation: TSD - General Facility Standards
Date achieved compliance: 2006-03-27 00:00:00.0
Evaluation lead agency: State

Evaluation date: 2006-01-24 00:00:00.0
Evaluation: LETTER OF INTENT TO INITIATE ENFORCEMENT ACTION
Area of violation: TSD - Preparedness and Prevention
Date achieved compliance: 2006-03-27 00:00:00.0
Evaluation lead agency: State

Evaluation date: 2005-06-28 00:00:00.0
Evaluation: SINGLE SITE CA/FO
Area of violation: TSD - General Facility Standards
Date achieved compliance: 2005-10-05 00:00:00.0
Evaluation lead agency: State

Evaluation date: 2005-06-28 00:00:00.0
Evaluation: LETTER OF INTENT TO INITIATE ENFORCEMENT ACTION
Area of violation: TSD - Tank System Standards
Date achieved compliance: 2005-10-05 00:00:00.0
Evaluation lead agency: State

Evaluation date: 2005-06-28 00:00:00.0
Evaluation: LETTER OF INTENT TO INITIATE ENFORCEMENT ACTION
Area of violation: TSD - Container Use and Management
Date achieved compliance: 2005-06-28 00:00:00.0
Evaluation lead agency: State

Evaluation date: 2005-06-28 00:00:00.0
Evaluation: SINGLE SITE CA/FO
Area of violation: TSD - Container Use and Management
Date achieved compliance: 2005-06-28 00:00:00.0
Evaluation lead agency: State

Evaluation date: 2005-06-28 00:00:00.0
Evaluation: SINGLE SITE CA/FO
Area of violation: TSD - Tank System Standards

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Date achieved compliance: 2005-10-05 00:00:00.0
Evaluation lead agency: State

Evaluation date: 2005-06-28 00:00:00.0
Evaluation: LETTER OF INTENT TO INITIATE ENFORCEMENT ACTION
Area of violation: TSD - General Facility Standards
Date achieved compliance: 2005-10-05 00:00:00.0
Evaluation lead agency: State

Evaluation date: 2004-08-19 00:00:00.0
Evaluation: LETTER OF INTENT TO INITIATE ENFORCEMENT ACTION
Area of violation: TSD - Container Use and Management
Date achieved compliance: 2004-08-19 00:00:00.0
Evaluation lead agency: State

Evaluation date: 2004-08-19 00:00:00.0
Evaluation: SINGLE SITE CA/FO
Area of violation: TSD - Container Use and Management
Date achieved compliance: 2004-08-19 00:00:00.0
Evaluation lead agency: State

Evaluation date: 2003-11-04 00:00:00.0
Evaluation: SINGLE SITE CA/FO
Area of violation: TSD - Manifest/Records/Reporting
Date achieved compliance: 2004-06-24 00:00:00.0
Evaluation lead agency: State

Evaluation date: 2003-11-04 00:00:00.0
Evaluation: LETTER OF INTENT TO INITIATE ENFORCEMENT ACTION
Area of violation: TSD - Manifest/Records/Reporting
Date achieved compliance: 2004-06-24 00:00:00.0
Evaluation lead agency: State

Evaluation date: 2003-11-04 00:00:00.0
Evaluation: SINGLE SITE CA/FO
Area of violation: TSD - Tank System Standards
Date achieved compliance: 2004-06-24 00:00:00.0
Evaluation lead agency: State

Evaluation date: 2003-11-04 00:00:00.0
Evaluation: LETTER OF INTENT TO INITIATE ENFORCEMENT ACTION
Area of violation: TSD - General Facility Standards
Date achieved compliance: 2004-01-28 00:00:00.0
Evaluation lead agency: State

Evaluation date: 2003-11-04 00:00:00.0
Evaluation: LETTER OF INTENT TO INITIATE ENFORCEMENT ACTION
Area of violation: TSD - General Facility Standards
Date achieved compliance: 2004-06-24 00:00:00.0
Evaluation lead agency: State

Evaluation date: 2003-11-04 00:00:00.0
Evaluation: SINGLE SITE CA/FO
Area of violation: TSD - General Facility Standards
Date achieved compliance: 2004-01-28 00:00:00.0
Evaluation lead agency: State

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Evaluation date: 2003-11-04 00:00:00.0
Evaluation: LETTER OF INTENT TO INITIATE ENFORCEMENT ACTION
Area of violation: TSD - Tank System Standards
Date achieved compliance: 2004-06-24 00:00:00.0
Evaluation lead agency: State

Evaluation date: 2003-11-04 00:00:00.0
Evaluation: SINGLE SITE CA/FO
Area of violation: TSD - General Facility Standards
Date achieved compliance: 2004-06-24 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1999-09-29 00:00:00.0
Evaluation: CRIMINAL CONVICTION
Area of violation: TSD - Preparedness and Prevention
Date achieved compliance: 1999-11-12 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1999-09-29 00:00:00.0
Evaluation: CRIMINAL CONVICTION
Area of violation: TSD - Tank System Standards
Date achieved compliance: 2000-10-03 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1999-09-29 00:00:00.0
Evaluation: CRIMINAL CONVICTION
Area of violation: TSD - General Facility Standards
Date achieved compliance: 2000-10-03 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1999-09-29 00:00:00.0
Evaluation: CRIMINAL CONVICTION
Area of violation: TSD - Container Use and Management
Date achieved compliance: 1999-11-12 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1999-06-21 00:00:00.0
Evaluation: CRIMINAL CONVICTION
Area of violation: TSD - Manifest/Records/Reporting
Date achieved compliance: 1999-11-11 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1999-06-21 00:00:00.0
Evaluation: CRIMINAL CONVICTION
Area of violation: TSD - General Facility Standards
Date achieved compliance: 1999-11-11 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1998-02-26 00:00:00.0
Evaluation: FINAL 3008(A) COMPLIANCE ORDER
Area of violation: TSD - General
Date achieved compliance: 1998-04-29 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1992-12-21 00:00:00.0
Evaluation: WRITTEN INFORMAL
Area of violation: TSD - General

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Date achieved compliance: 1993-02-18 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1992-12-21 00:00:00.0
Evaluation: WRITTEN INFORMAL
Area of violation: LDR - General
Date achieved compliance: 1993-02-18 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1992-12-21 00:00:00.0
Evaluation: WRITTEN INFORMAL
Area of violation: TSD - Financial Requirements
Date achieved compliance: 1993-07-09 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1990-05-08 00:00:00.0
Evaluation: FINAL 3008(H) I.S. CA ORDER
Area of violation: TSD - Financial Requirements
Date achieved compliance: 1990-11-02 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1990-04-16 00:00:00.0
Evaluation: INITIAL 3008(A) COMPLIANCE
Area of violation: TSD - General
Date achieved compliance: 1991-10-14 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1989-10-17 00:00:00.0
Evaluation: WRITTEN INFORMAL
Area of violation: TSD - General
Date achieved compliance: 1989-10-18 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1989-10-11 00:00:00.0
Evaluation: WRITTEN INFORMAL
Area of violation: TSD - General
Date achieved compliance: 1989-12-15 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1989-07-26 00:00:00.0
Evaluation: WRITTEN INFORMAL
Area of violation: TSD - General
Date achieved compliance: 1990-06-20 00:00:00.0
Evaluation lead agency: EPA

Evaluation date: 1989-02-17 00:00:00.0
Evaluation: INITIAL 3008(A) COMPLIANCE
Area of violation: TSD - General
Date achieved compliance: 1990-02-15 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1989-02-17 00:00:00.0
Evaluation: WRITTEN INFORMAL
Area of violation: TSD - General
Date achieved compliance: 1990-02-15 00:00:00.0
Evaluation lead agency: State

Map ID
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Evaluation date: 1989-02-17 00:00:00.0
Evaluation: INITIAL 3008(A) COMPLIANCE
Area of violation: LDR - General
Date achieved compliance: 1990-02-15 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1989-02-17 00:00:00.0
Evaluation: WRITTEN INFORMAL
Area of violation: LDR - General
Date achieved compliance: 1990-02-15 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1989-02-08 00:00:00.0
Evaluation: FINAL 3008(A) COMPLIANCE ORDER
Area of violation: TSD - Financial Requirements
Date achieved compliance: 1989-10-18 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1989-02-08 00:00:00.0
Evaluation: INITIAL 3008(A) COMPLIANCE
Area of violation: TSD - Financial Requirements
Date achieved compliance: 1989-10-18 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1987-11-24 00:00:00.0
Evaluation: INITIAL 3008(A) COMPLIANCE
Area of violation: TSD - Financial Requirements
Date achieved compliance: 1989-10-18 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1987-11-24 00:00:00.0
Evaluation: WRITTEN INFORMAL
Area of violation: TSD - Financial Requirements
Date achieved compliance: 1989-10-18 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1987-11-12 00:00:00.0
Evaluation: INITIAL 3008(A) COMPLIANCE
Area of violation: LDR - General
Date achieved compliance: 1989-12-15 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1987-11-12 00:00:00.0
Evaluation: INITIAL 3008(A) COMPLIANCE
Area of violation: TSD - General
Date achieved compliance: 1989-12-15 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1987-11-12 00:00:00.0
Evaluation: WRITTEN INFORMAL
Area of violation: TSD - General
Date achieved compliance: 1989-12-15 00:00:00.0
Evaluation lead agency: State

LUST:

Name: CROSBY & OVERTON,INC.EQUIPMENT
Address: 1640 016TH ST W
City,State,Zip: LONG BEACH, CA 90813

Map ID
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Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603701949
Global Id: T0603701949
Latitude: 33.7870887
Longitude: -118.2144618
Status: Completed - Case Closed
Status Date: 08/29/1996
Case Worker: YR
RB Case Number: 908130352
Local Agency: LONG BEACH, CITY OF
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:

Global Id: T0603701949
Contact Type: Local Agency Caseworker
Contact Name: CARMEN PIRO
Organization Name: LONG BEACH, CITY OF
Address: 2525 GRAND AVE.
City: LONG BEACH
Email: carmen.piro@longbeach.gov
Phone Number: 5625704137

Global Id: T0603701949
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

LUST:

Global Id: T0603701949
Action Type: Other
Date: 01/01/1986
Action: Leak Discovery

Global Id: T0603701949
Action Type: Other
Date: 11/14/1986
Action: Leak Reported

LUST:

Global Id: T0603701949
Status: Open - Case Begin Date
Status Date: 01/01/1986

Global Id: T0603701949
Status: Open - Remediation
Status Date: 03/19/1993

Global Id: T0603701949

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Status: Completed - Case Closed
Status Date: 08/29/1996

LUST REG 4:

Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 908130352
Status: Case Closed
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater
Abatement Method Used at the Site: ETFP
Global ID: T0603701949
W Global ID: Not reported
Staff: UNK
Local Agency: 19060
Cross Street: CANAL AVE
Enforcement Type: Not reported
Date Leak Discovered: 1/1/1986
Date Leak First Reported: 11/14/1986
Date Leak Record Entered: 9/8/1987
Date Confirmation Began: Not reported
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 9/25/1996
Date the Case was Closed: 8/29/1996
How Leak Discovered: Not reported
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Operator: LARRY BOYLE
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 15505.953668653684933492847186
Source of Cleanup Funding: UNK
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: Not reported
Remediation Plan Submitted: 3/19/1993
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Yes
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: CROSBY AND OVERTON
RP Address: 1610 17TH ST W LONG BEACH CA 90813
Program: LUST
Lat/Long: 33.7870887 / -1
Local Agency Staff: Not reported

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: FREE PRODUCT RECOVERY IN PROGRESS. ADDITIONAL SAP REQUIRED.

SWEEPS UST:

Name: CROSBY & OVERTON, INC.
Address: 1620 W 016TH ST
City: LONG BEACH
Status: Active
Comp Number: 3057
Number: 9
Board Of Equalization: 44-013281
Referral Date: 07-01-85
Action Date: Not reported
Created Date: 02-29-88
Owner Tank Id: EQ#00473 1
SWRCB Tank Id: 19-060-003057-000001
Tank Status: A
Capacity: 8000
Active Date: 07-01-85
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: 8

Name: CROSBY & OVERTON, INC.
Address: 1620 W 016TH ST
City: LONG BEACH
Status: Active
Comp Number: 3057
Number: 9
Board Of Equalization: 44-013281
Referral Date: 07-01-85
Action Date: Not reported
Created Date: 02-29-88
Owner Tank Id: 2 EQ#00474
SWRCB Tank Id: 19-060-003057-000002
Tank Status: A
Capacity: 9000
Active Date: 07-01-85
Tank Use: M.V. FUEL
STG: P
Content: DIESEL
Number Of Tanks: Not reported

Name: CROSBY & OVERTON, INC.
Address: 1620 W 016TH ST
City: LONG BEACH
Status: Active
Comp Number: 3057
Number: 9
Board Of Equalization: 44-013281
Referral Date: 07-01-85
Action Date: Not reported

Map ID
Direction
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Created Date: 02-29-88
Owner Tank Id: 3
SWRCB Tank Id: 19-060-003057-000003
Tank Status: A
Capacity: 1000
Active Date: 07-01-85
Tank Use: M.V. FUEL
STG: P
Content: DIESEL
Number Of Tanks: Not reported

Name: CROSBY & OVERTON, INC.
Address: 1620 W 016TH ST
City: LONG BEACH
Status: Active
Comp Number: 3057
Number: 9
Board Of Equalization: 44-013281
Referral Date: 07-01-85
Action Date: Not reported
Created Date: 02-29-88
Owner Tank Id: 4
SWRCB Tank Id: 19-060-003057-000004
Tank Status: A
Capacity: 1000
Active Date: 07-01-85
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Name: CROSBY & OVERTON, INC.
Address: 1620 W 016TH ST
City: LONG BEACH
Status: Active
Comp Number: 3057
Number: 9
Board Of Equalization: 44-013281
Referral Date: 07-01-85
Action Date: Not reported
Created Date: 02-29-88
Owner Tank Id: 5 EQ 00462
SWRCB Tank Id: 19-060-003057-000005
Tank Status: A
Capacity: 3000
Active Date: 07-01-85
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Name: CROSBY & OVERTON, INC.
Address: 1620 W 016TH ST
City: LONG BEACH
Status: Active
Comp Number: 3057
Number: 9

Map ID
Direction
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Board Of Equalization: 44-013281
Referral Date: 07-01-85
Action Date: Not reported
Created Date: 02-29-88
Owner Tank Id: 6 EQ 00463
SWRCB Tank Id: 19-060-003057-000006
Tank Status: A
Capacity: 10000
Active Date: 07-01-85
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Name: CROSBY & OVERTON, INC.
Address: 1620 W 016TH ST
City: LONG BEACH
Status: Active
Comp Number: 3057
Number: 9
Board Of Equalization: 44-013281
Referral Date: 07-01-85
Action Date: Not reported
Created Date: 02-29-88
Owner Tank Id: 7WASHDOWN
SWRCB Tank Id: 19-060-003057-000007
Tank Status: A
Capacity: 3000
Active Date: 07-01-85
Tank Use: OIL
STG: W
Content: WASTE OIL
Number Of Tanks: Not reported

Name: CROSBY & OVERTON, INC.
Address: 1620 W 016TH ST
City: LONG BEACH
Status: Active
Comp Number: 3057
Number: 9
Board Of Equalization: 44-013281
Referral Date: 07-01-85
Action Date: Not reported
Created Date: 02-29-88
Owner Tank Id: 9
SWRCB Tank Id: 19-060-003057-000008
Tank Status: A
Capacity: 550
Active Date: 07-01-85
Tank Use: OIL
STG: W
Content: WASTE OIL
Number Of Tanks: Not reported

HIST UST:

Name: CROSBY & OVERTON, INC.
Address: 1620 W 16TH ST

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

City,State,Zip: LONG BEACH, CA 90813
File Number: Not reported
URL: Not reported
Region: STATE
Facility ID: 00000003057
Facility Type: Other
Other Type: HEAVY DUTY CLEANING
Contact Name: Not reported
Telephone: 2134325445
Owner Name: CROSBY & OVERTON, INC.
Owner Address: 1610 WEST 17TH STREET
Owner City,St,Zip: LONG BEACH, CA 90813
Total Tanks: 0009

Tank Num: 001
Container Num: EQ#00473 1
Year Installed: 1974
Tank Capacity: 00008000
Tank Used for: PRODUCT
Type of Fuel: PREMIUM
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 002
Container Num: 2 EQ#00474
Year Installed: 1974
Tank Capacity: 00009000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 003
Container Num: 3
Year Installed: Not reported
Tank Capacity: 00001000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 004
Container Num: 4
Year Installed: Not reported
Tank Capacity: 00001000
Tank Used for: PRODUCT
Type of Fuel: PREMIUM
Container Construction Thickness: Not reported
Leak Detection: Groundwater Monitoring Well, None

Tank Num: 005
Container Num: 5 EQ 00462
Year Installed: 1968
Tank Capacity: 00003000
Tank Used for: PRODUCT
Type of Fuel: PREMIUM
Container Construction Thickness: Not reported

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Leak Detection: None

Tank Num: 006
Container Num: 6 EQ 00463
Year Installed: Not reported
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 007
Container Num: 7WASHDOWN
Year Installed: Not reported
Tank Capacity: 00003000
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Container Construction Thickness: 6
Leak Detection: None

Tank Num: 008
Container Num: 8 PLANT 1
Year Installed: 1974
Tank Capacity: 00004500
Tank Used for: WASTE
Type of Fuel: 06
Container Construction Thickness: 6
Leak Detection: None

Tank Num: 009
Container Num: 9
Year Installed: 1983
Tank Capacity: 00000550
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Container Construction Thickness: 10
Leak Detection: None

CA FID UST:

Facility ID: 19056599
Regulated By: UTKA
Regulated ID: 00003057
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 2134325445
Mail To: Not reported
Mailing Address: 1610 W 017TH ST
Mailing Address 2: Not reported
Mailing City,St,Zip: LONG BEACH 90813
Contact: Not reported
Contact Phone: Not reported
DUNS Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

US FIN ASSUR:

Name: CROSBY & OVERTON
Address: 1630 W. 17TH STREET
City,State,Zip: LONG BEACH, CA
EPA ID: CAD028409019
County: Not reported
Mechanism type: T
Mechanism Type Description: TRUST FUND (FULLY FUNDED)
Cost estimate: 1132952.42
Face value: 783111
Effective date: 2016-04-26 00:00:00
Provider: INTERNATIONAL CITY BANK
EPA region: 9

Name: CROSBY & OVERTON
Address: 1630 W. 17TH STREET
City,State,Zip: LONG BEACH, CA
EPA ID: CAD028409019
County: Not reported
Mechanism type: L
Mechanism Type Description: LETTER OF CREDIT
Cost estimate: 1132952.42
Face value: 340131.85
Effective date: 2012-03-01 00:00:00
Provider: INTERNATIONAL CITY BANK
EPA region: 9

Name: CROSBY & OVERTON
Address: 1630 W. 17TH STREET
City,State,Zip: LONG BEACH, CA
EPA ID: CAD028409019
County: Not reported
Mechanism type: T
Mechanism Type Description: TRUST FUND (FULLY FUNDED)
Cost estimate: 1132952.42
Face value: 277520
Effective date: 2012-04-26 00:00:00
Provider: INTERNATIONAL CITY BANK
EPA region: 9

Name: CROSBY & OVERTON
Address: 1630 W. 17TH STREET
City,State,Zip: LONG BEACH, CA
EPA ID: CAD028409019
County: Not reported
Mechanism type: I
Mechanism Type Description: INSURANCE
Cost estimate: 6000000
Face value: 8000000
Effective date: 2015-11-20 00:00:00
Provider: NAUTILUS INS. CO.
EPA region: 9

Name: CROSBY & OVERTON
Address: 1630 W. 17TH STREET
City,State,Zip: LONG BEACH, CA
EPA ID: CAD028409019

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

County: Not reported
Mechanism type: I
Mechanism Type Description: INSURANCE
Cost estimate: 2000000
Face value: 8000000
Effective date: 2015-11-20 00:00:00
Provider: NAUTILUS INS. CO.
EPA region: 9

Name: CROSBY & OVERTON
Address: 1630 W. 17TH STREET
City,State,Zip: LONG BEACH, CA
EPA ID: CAD028409019
County: Not reported
Mechanism type: T
Mechanism Type Description: TRUST FUND (FULLY FUNDED)
Cost estimate: 93625.78
Face value: 783111
Effective date: 2016-04-26 00:00:00
Provider: INTERNATIONAL CITY BANK
EPA region: 9

Name: CROSBY & OVERTON
Address: 1630 W. 17TH STREET
City,State,Zip: LONG BEACH, CA
EPA ID: CAD028409019
County: Not reported
Mechanism type: T
Mechanism Type Description: TRUST FUND (FULLY FUNDED)
Cost estimate: 93625.78
Face value: 277520
Effective date: 2012-04-26 00:00:00
Provider: INTERNATIONAL CITY BANK
EPA region: 9

Name: CROSBY & OVERTON
Address: 1630 W. 17TH STREET
City,State,Zip: LONG BEACH, CA
EPA ID: CAD028409019
County: Not reported
Mechanism type: T
Mechanism Type Description: TRUST FUND (FULLY FUNDED)
Cost estimate: 729130.95
Face value: 910894
Effective date: 2011-03-31 00:00:00
Provider: U.S. BANK
EPA region: 9

Name: CROSBY & OVERTON
Address: 1630 W. 17TH STREET
City,State,Zip: LONG BEACH, CA
EPA ID: CAD028409019
County: Not reported
Mechanism type: T
Mechanism Type Description: TRUST FUND (FULLY FUNDED)
Cost estimate: 171053.39
Face value: 910894

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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Effective date: 2011-03-31 00:00:00
Provider: U.S. BANK
EPA region: 9

Name: CROSBY & OVERTON
Address: 1630 W. 17TH STREET
City,State,Zip: LONG BEACH, CA
EPA ID: CAD028409019
County: Not reported
Mechanism type: L
Mechanism Type Description: LETTER OF CREDIT
Cost estimate: 93625.78
Face value: 340131.85
Effective date: 2012-03-01 00:00:00
Provider: INTERNATIONAL CITY BANK
EPA region: 9

Name: CROSBY & OVERTON
Address: 1630 W. 17TH STREET
City,State,Zip: LONG BEACH, CA
EPA ID: CAD028409019
County: Not reported
Mechanism type: I
Mechanism Type Description: INSURANCE
Cost estimate: 8000000
Face value: 8000000
Effective date: 2010-11-20 00:00:00
Provider: STEADFAST INSURANCE CO.
EPA region: 9

Name: CROSBY & OVERTON
Address: 1630 W. 17TH STREET
City,State,Zip: LONG BEACH, CA
EPA ID: CAD028409019
County: Not reported
Mechanism type: I
Mechanism Type Description: INSURANCE
Cost estimate: 2000000
Face value: 8000000
Effective date: 2009-11-20 00:00:00
Provider: STEADFAST INSURANCE CO.
EPA region: 9

2020 COR ACTION:

EPA ID: CAD028409019
Region: 9
Action: Remedy Construction

FTTS INSP:

Inspection Number: 19870825CA001 2
Region: 09
Inspection Date: 08/25/87
Inspector: BERMAN
Violation occurred: Yes
Investigation Type: Section 6 PCB State Conducted
Investigation Reason: Neutral Scheme, State

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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Legislation Code: TSCA
Facility Function: Storer

HIST FTTS INSP:

Inspection Number: 19870825CA001 2
Region: 09
Inspection Date: Not reported
Inspector: BERMAN
Violation occurred: Yes
Investigation Type: Section 6 PCB State Conducted
Investigation Reason: Neutral Scheme, State
Legislation Code: TSCA
Facility Function: Storer

ICE:

Envirostor ID: 3000007
Name: CROSBY & OVERTON
Address: 1630 W 17TH ST
City,State,Zip: LONG BEACH, CA 90813
EPA ID: CAD028409019
Site Type: INSPECTION
Facility Status: No Action

Enforcement:

Action Type: Consent Order with Enforcement and Settlement - Federal CA/FO (385)
Action Date: 01/06/2005

Action Type: Consent Order with Enforcement and Settlement - Federal CA/FO (385)
Action Date: 07/27/2006

Action Type: Consent Order with Enforcement and Settlement - Federal CA/FO (385)
Action Date: 09/27/2010

Inspection:

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 02/21/2019
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 03/19/2018
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 02/22/2018
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 06/20/2017
Violation Class: Class 2
RTC Date: 07/12/2017

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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 02/12/2019
Violation Class: Minor
RTC Date: 02/12/2019

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 07/22/2016
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 04/25/2017
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 06/20/2016
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 06/27/2014
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 03/27/2014
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 05/22/2012
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 11/28/2012
Violation Class: Class 2
RTC Date: 03/06/2013

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 12/13/2012
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 01/25/2012
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 02/16/2011
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 11/12/2009

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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Violation Class:	No Violations
RTC Date:	Not reported
Action Type:	Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date:	11/04/2003
Violation Class:	Class 1, Class 2, Minor
RTC Date:	06/24/2004
Action Type:	Follow-up Inspection - Treatment, Storage and Disposal
Action Date:	08/02/2011
Violation Class:	Minor
RTC Date:	10/17/2011
Action Type:	Follow-up Inspection - Treatment, Storage and Disposal
Action Date:	08/19/2004
Violation Class:	Class 1
RTC Date:	08/19/2004
Action Type:	Financial Records Review - Treatment, Storage and Disposal
Action Date:	12/22/2009
Violation Class:	No Violations
RTC Date:	Not reported
Action Type:	Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date:	04/23/2009
Violation Class:	Class 1, Class 2, Minor
RTC Date:	10/26/2009
Action Type:	Follow-up Inspection - Treatment, Storage and Disposal
Action Date:	10/23/2008
Violation Class:	Class 2
RTC Date:	10/23/2008
Action Type:	Financial Records Review - Treatment, Storage and Disposal
Action Date:	09/04/2002
Violation Class:	Minor
RTC Date:	09/02/2003
Action Type:	Follow-up Inspection - Treatment, Storage and Disposal
Action Date:	08/25/2010
Violation Class:	No Violations
RTC Date:	Not reported
Action Type:	Financial Records Review - Treatment, Storage and Disposal
Action Date:	05/05/2011
Violation Class:	No Violations
RTC Date:	Not reported
Action Type:	Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date:	10/03/2000
Violation Class:	No Violations
RTC Date:	Not reported
Action Type:	Financial Records Review - Treatment, Storage and Disposal
Action Date:	05/13/2009
Violation Class:	No Violations
RTC Date:	Not reported

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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Action Type:	Follow-up Inspection - Treatment, Storage and Disposal
Action Date:	01/24/2006
Violation Class:	Class 1
RTC Date:	03/27/2006
Action Type:	Financial Records Review - Treatment, Storage and Disposal
Action Date:	10/14/2004
Violation Class:	No Violations
RTC Date:	Not reported
Action Type:	Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date:	10/31/2001
Violation Class:	Class 2, Minor
RTC Date:	02/01/2002
Action Type:	Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date:	09/10/2002
Violation Class:	Class 2, Minor
RTC Date:	12/10/2002
Action Type:	Financial Records Review - Treatment, Storage and Disposal
Action Date:	03/12/2008
Violation Class:	No Violations
RTC Date:	Not reported
Action Type:	Financial Records Review - Treatment, Storage and Disposal
Action Date:	03/26/2007
Violation Class:	No Violations
RTC Date:	Not reported
Action Type:	Financial Records Review - Treatment, Storage and Disposal
Action Date:	09/11/2003
Violation Class:	No Violations
RTC Date:	Not reported
Action Type:	Financial Records Review - Treatment, Storage and Disposal
Action Date:	10/03/2000
Violation Class:	No Violations
RTC Date:	Not reported
Action Type:	Financial Records Review - Treatment, Storage and Disposal
Action Date:	12/14/2001
Violation Class:	Minor
RTC Date:	09/02/2003
Action Type:	Follow-up Inspection - Treatment, Storage and Disposal
Action Date:	09/29/1999
Violation Class:	Class 1, Class 2, Minor
RTC Date:	10/03/2000
Action Type:	Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date:	03/27/2007
Violation Class:	Minor
RTC Date:	03/27/2007
Action Type:	Follow-up Inspection - Treatment, Storage and Disposal
Action Date:	02/09/2005

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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Violation Class: Class 2, Minor
RTC Date: 02/23/2005

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 06/21/1999
Violation Class: Class 1
RTC Date: 11/11/1999

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 11/22/2004
Violation Class: Minor
RTC Date: 11/23/2004

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 03/02/2006
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 06/28/2005
Violation Class: Class 1, Class 2, Minor
RTC Date: 10/05/2005

Action Type: Follow-up Inspection - Treatment, Storage and Disposal
Action Date: 05/16/2007
Violation Class: Minor
RTC Date: 05/16/2007

Action Type: Follow-up Inspection - Treatment, Storage and Disposal
Action Date: 09/19/2007
Violation Class: Minor
RTC Date: 10/01/2007

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 02/25/2008
Violation Class: Class 2, Minor
RTC Date: 07/13/2008

HIST CORTESE:

edr_fname: CROSBY & OVERTON, INC EQUI
edr_fadd1: 1640 016TH
City,State,Zip: LONG BEACH, CA 90813
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 908130352

HWP:

Name: CROSBY & OVERTON
Address: 1630 W 17TH ST
City,State,Zip: LONG BEACH, CA 908130000
EPA Id: CAD028409019
Cleanup Status: OPERATING PERMIT
Latitude: 33.78766
Longitude: -118.2144

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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Facility Type: Permitted - Operating
Facility Size: Large Treatment
Team: PHILLIP BLUM
Supervisor: RICARDO GONZALEZ
Site Code: 400214
Assembly District: 70
Senate District: 33
Public Information Officer: Not reported
Public Information Officer: Not reported

Activities:

EPA Id: CAD028409019
Facility Type: Permitted - Operating
Unit Names: Container Storage Area 1 (GPRA Unit), TANKSTR1 (GPRA Unit), TANKTRT1 (GPRA Unit)
Event Description: New Operating Permit - FINAL PERMIT (EFFECTIVE)
Actual Date: 12/28/1984

EPA Id: CAD028409019
Facility Type: Permitted - Operating
Unit Names: CONTAIN10-Stor area (GPRA Unit), CONTAIN11-Stor area (GPRA Unit), CONTAIN5-Stor area (GPRA Unit), CONTAIN6-Stor area (GPRA Unit), CONTAIN7-Stor area (GPRA Unit), CONTAIN8-Stor area (GPRA Unit), CONTAIN9-Stor area (GPRA Unit), Container Storage Area 1 (GPRA Unit), Container Storage Area 2 (GPRA Unit), Container Storage Area 3 (GPRA Unit), Container Storage Area 4 (GPRA Unit), Filter Press (FP-1000) (GPRA Unit), OTHERTRT2-Paint Cons (GPRA Unit), OTHERTRT3-Can Crush (GPRA Unit), OTHERTRT4-Drum crush (GPRA Unit), TANKSTR1 (GPRA Unit), TANKSTR2 (GPRA Unit), TANKSTR3-Load dock (GPRA), TANKSTR4-Receiving (GPRA Unit), TANKSTR5-Receiving (GPRA Unit), TANKTRT1 (GPRA Unit)
Event Description: Renewal - No Changes - PUBLIC COMMENT (PUBLIC MEETING)
Actual Date: 05/01/2014

EPA Id: CAD028409019
Facility Type: Permitted - Operating
Unit Names: CONTAIN10-Stor area (GPRA Unit), CONTAIN11-Stor area (GPRA Unit), CONTAIN5-Stor area (GPRA Unit), CONTAIN6-Stor area (GPRA Unit), CONTAIN7-Stor area (GPRA Unit), CONTAIN8-Stor area (GPRA Unit), CONTAIN9-Stor area (GPRA Unit), Container Storage Area 1 (GPRA Unit), Container Storage Area 2 (GPRA Unit), Container Storage Area 3 (GPRA Unit), Container Storage Area 4 (GPRA Unit), Filter Press (FP-1000) (GPRA Unit), OTHERTRT2-Paint Cons (GPRA Unit), OTHERTRT3-Can Crush (GPRA Unit), OTHERTRT4-Drum crush (GPRA Unit), TANKSTR1 (GPRA Unit), TANKSTR2 (GPRA Unit), TANKSTR3-Load dock (GPRA), TANKSTR4-Receiving (GPRA Unit), TANKSTR5-Receiving (GPRA Unit), TANKTRT1 (GPRA Unit)
Event Description: Renewal - No Changes - FINAL PERMIT RENEWAL
Actual Date: 08/22/2014

EPA Id: CAD028409019
Facility Type: Permitted - Operating
Unit Names: CONTAIN10-Stor area (GPRA Unit), CONTAIN11-Stor area (GPRA Unit), CONTAIN5-Stor area (GPRA Unit), CONTAIN6-Stor area (GPRA Unit), CONTAIN7-Stor area (GPRA Unit), CONTAIN8-Stor area (GPRA Unit), CONTAIN9-Stor area (GPRA Unit), Container Storage Area 1 (GPRA Unit), Container Storage Area 2 (GPRA Unit), Container Storage Area 3 (GPRA Unit), Container Storage Area 4 (GPRA Unit), Filter Press (FP-1000) (GPRA Unit), OTHERTRT2-Paint Cons (GPRA Unit), OTHERTRT3-Can Crush (GPRA Unit), OTHERTRT4-Drum crush (GPRA Unit), TANKSTR1 (GPRA Unit),

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Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Event Description:	TANKSTR2 (GPRA Unit), TANKSTR3-Load dock (GPRA), TANKSTR4-Receiving (GPRA Unit), TANKSTR5-Receiving (GPRA Unit), TANKTRT1 (GPRA Unit)
Actual Date:	Renewal - No Changes - FINAL PERMIT RENEWAL (EFFECTIVE) 08/22/2014
EPA Id:	CAD028409019
Facility Type:	Permitted - Operating
Unit Names:	CONTAIN10-Stor area (GPRA Unit), CONTAIN11-Stor area (GPRA Unit), CONTAIN5-Stor area (GPRA Unit), CONTAIN6-Stor area (GPRA Unit), CONTAIN7-Stor area (GPRA Unit), CONTAIN8-Stor area (GPRA Unit), CONTAIN9-Stor area (GPRA Unit), Container Storage Area 1 (GPRA Unit), Container Storage Area 2 (GPRA Unit), Container Storage Area 3 (GPRA Unit), Container Storage Area 4 (GPRA Unit), Filter Press (FP-1000) (GPRA Unit), OTHERTRT2-Paint Cons (GPRA Unit), OTHERTRT3-Can Crush (GPRA Unit), OTHERTRT4-Drum crush (GPRA Unit), TANKSTR1 (GPRA Unit), TANKSTR2 (GPRA Unit), TANKSTR3-Load dock (GPRA), TANKSTR4-Receiving (GPRA Unit), TANKSTR5-Receiving (GPRA Unit), TANKTRT1 (GPRA Unit)
Event Description:	Renewal - No Changes - FINAL CEQA
Actual Date:	08/22/2014
EPA Id:	CAD028409019
Facility Type:	Permitted - Operating
Unit Names:	CONTAIN10-Stor area (GPRA Unit), CONTAIN11-Stor area (GPRA Unit), CONTAIN5-Stor area (GPRA Unit), CONTAIN6-Stor area (GPRA Unit), CONTAIN7-Stor area (GPRA Unit), CONTAIN8-Stor area (GPRA Unit), CONTAIN9-Stor area (GPRA Unit), Container Storage Area 1 (GPRA Unit), Container Storage Area 2 (GPRA Unit), Container Storage Area 3 (GPRA Unit), Container Storage Area 4 (GPRA Unit), Filter Press (FP-1000) (GPRA Unit), OTHERTRT2-Paint Cons (GPRA Unit), OTHERTRT3-Can Crush (GPRA Unit), OTHERTRT4-Drum crush (GPRA Unit), TANKSTR1 (GPRA Unit), TANKSTR2 (GPRA Unit), TANKSTR3-Load dock (GPRA), TANKSTR4-Receiving (GPRA Unit), TANKSTR5-Receiving (GPRA Unit), TANKTRT1 (GPRA Unit)
Event Description:	Renewal - No Changes - APPLICATION PART A RECEIVED
Actual Date:	12/16/2002
EPA Id:	CAD028409019
Facility Type:	Permitted - Operating
Unit Names:	Container Storage Area 1 (GPRA Unit), TANKSTR1 (GPRA Unit), TANKTRT1 (GPRA Unit)
Event Description:	New Operating Permit - DRAFT PERMIT
Actual Date:	11/09/1984
EPA Id:	CAD028409019
Facility Type:	Permitted - Operating
Unit Names:	CONTAIN10-Stor area (GPRA Unit), CONTAIN11-Stor area (GPRA Unit), CONTAIN5-Stor area (GPRA Unit), CONTAIN6-Stor area (GPRA Unit), CONTAIN7-Stor area (GPRA Unit), CONTAIN8-Stor area (GPRA Unit), CONTAIN9-Stor area (GPRA Unit), Container Storage Area 1 (GPRA Unit), Container Storage Area 2 (GPRA Unit), Container Storage Area 3 (GPRA Unit), Container Storage Area 4 (GPRA Unit), Filter Press (FP-1000) (GPRA Unit), OTHERTRT2-Paint Cons (GPRA Unit), OTHERTRT3-Can Crush (GPRA Unit), OTHERTRT4-Drum crush (GPRA Unit), TANKSTR1 (GPRA Unit), TANKSTR2 (GPRA Unit), TANKSTR3-Load dock (GPRA), TANKSTR4-Receiving (GPRA Unit), TANKSTR5-Receiving (GPRA Unit), TANKTRT1 (GPRA Unit)
Event Description:	Renewal - No Changes - TECHNICAL COMPLETE LETTER
Actual Date:	03/05/2014

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

EPA Id: CAD028409019
Facility Type: Permitted - Operating
Unit Names: CONTAIN10-Stor area (GPRA Unit), CONTAIN11-Stor area (GPRA Unit), CONTAIN5-Stor area (GPRA Unit), CONTAIN6-Stor area (GPRA Unit), CONTAIN7-Stor area (GPRA Unit), CONTAIN8-Stor area (GPRA Unit), CONTAIN9-Stor area (GPRA Unit), Container Storage Area 1 (GPRA Unit), Container Storage Area 2 (GPRA Unit), Container Storage Area 3 (GPRA Unit), Container Storage Area 4 (GPRA Unit), Filter Press (FP-1000) (GPRA Unit), OTHERTRT2-Paint Cons (GPRA Unit), OTHERTRT3-Can Crush (GPRA Unit), OTHERTRT4-Drum crush (GPRA Unit), TANKSTR1 (GPRA Unit), TANKSTR2 (GPRA Unit), TANKSTR3-Load dock (GPRA), TANKSTR4-Receiving (GPRA Unit), TANKSTR5-Receiving (GPRA Unit), TANKTRT1 (GPRA Unit)
Event Description: Renewal - No Changes - INITIAL ADMINISTRATIVE REVIEW COMPLETED
Actual Date: 01/14/2003

EPA Id: CAD028409019
Facility Type: Permitted - Operating
Unit Names: Container Storage Area 1 (GPRA Unit), TANKSTR1 (GPRA Unit), TANKTRT1 (GPRA Unit)
Event Description: New Operating Permit - CALL-IN LETTER ISSUED
Actual Date: 06/20/1983

EPA Id: CAD028409019
Facility Type: Permitted - Operating
Unit Names: CONTAIN10-Stor area (GPRA Unit), CONTAIN11-Stor area (GPRA Unit), CONTAIN5-Stor area (GPRA Unit), CONTAIN6-Stor area (GPRA Unit), CONTAIN7-Stor area (GPRA Unit), CONTAIN8-Stor area (GPRA Unit), CONTAIN9-Stor area (GPRA Unit), Container Storage Area 1 (GPRA Unit), Container Storage Area 2 (GPRA Unit), Container Storage Area 3 (GPRA Unit), Container Storage Area 4 (GPRA Unit), Filter Press (FP-1000) (GPRA Unit), OTHERTRT2-Paint Cons (GPRA Unit), OTHERTRT3-Can Crush (GPRA Unit), OTHERTRT4-Drum crush (GPRA Unit), TANKSTR1 (GPRA Unit), TANKSTR2 (GPRA Unit), TANKSTR3-Load dock (GPRA), TANKSTR4-Receiving (GPRA Unit), TANKSTR5-Receiving (GPRA Unit), TANKTRT1 (GPRA Unit)
Event Description: Renewal - No Changes - PUBLIC COMMENT (PUBLIC HEARING)
Actual Date: 05/01/2014

EPA Id: CAD028409019
Facility Type: Permitted - Operating
Unit Names: CONTAIN10-Stor area (GPRA Unit), CONTAIN11-Stor area (GPRA Unit), CONTAIN5-Stor area (GPRA Unit), CONTAIN6-Stor area (GPRA Unit), CONTAIN7-Stor area (GPRA Unit), CONTAIN8-Stor area (GPRA Unit), CONTAIN9-Stor area (GPRA Unit), Container Storage Area 1 (GPRA Unit), Container Storage Area 2 (GPRA Unit), Container Storage Area 3 (GPRA Unit), Container Storage Area 4 (GPRA Unit), Filter Press (FP-1000) (GPRA Unit), OTHERTRT2-Paint Cons (GPRA Unit), OTHERTRT3-Can Crush (GPRA Unit), OTHERTRT4-Drum crush (GPRA Unit), TANKSTR1 (GPRA Unit), TANKSTR2 (GPRA Unit), TANKSTR3-Load dock (GPRA), TANKSTR4-Receiving (GPRA Unit), TANKSTR5-Receiving (GPRA Unit), TANKTRT1 (GPRA Unit)
Event Description: Renewal - No Changes - CEQA DETERMINATION
Actual Date: 08/22/2014

EPA Id: CAD028409019
Facility Type: Permitted - Operating
Unit Names: CONTAIN10-Stor area (GPRA Unit), CONTAIN11-Stor area (GPRA Unit), CONTAIN5-Stor area (GPRA Unit), CONTAIN6-Stor area (GPRA Unit), CONTAIN7-Stor area (GPRA Unit), CONTAIN8-Stor area (GPRA Unit),

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Event Description: CONTAIN9-Stor area (GPRA Unit), Container Storage Area 1 (GPRA Unit), Container Storage Area 2 (GPRA Unit), Container Storage Area 3 (GPRA Unit), Container Storage Area 4 (GPRA Unit), Filter Press (FP-1000) (GPRA Unit), OTHERTRT2-Paint Cons (GPRA Unit), OTHERTRT3-Can Crush (GPRA Unit), OTHERTRT4-Drum crush (GPRA Unit), TANKSTR1 (GPRA Unit), TANKSTR2 (GPRA Unit), TANKSTR3-Load dock (GPRA), TANKSTR4-Receiving (GPRA Unit), TANKSTR5-Receiving (GPRA Unit), TANKTRT1 (GPRA Unit)
Actual Date: Renewal - No Changes - FINAL PART A & PART B RECEIVED
02/14/2014

EPA Id: CAD028409019
Facility Type: Permitted - Operating
Unit Names: Container Storage Area 1 (GPRA Unit), Filter Press (FP-1000) (GPRA Unit), TANKSTR1 (GPRA Unit), TANKTRT1 (GPRA Unit)
Event Description: Renewal - With Changes - FINAL PERMIT RENEWAL
Actual Date: 05/26/1993

EPA Id: CAD028409019
Facility Type: Permitted - Operating
Unit Names: Container Storage Area 1 (GPRA Unit), Filter Press (FP-1000) (GPRA Unit), TANKSTR1 (GPRA Unit), TANKTRT1 (GPRA Unit)
Event Description: Renewal - With Changes - FINAL PART A & PART B RECEIVED
Actual Date: 06/03/1992

EPA Id: CAD028409019
Facility Type: Permitted - Operating
Unit Names: CONTAIN10-Stor area (GPRA Unit), CONTAIN11-Stor area (GPRA Unit), CONTAIN5-Stor area (GPRA Unit), CONTAIN6-Stor area (GPRA Unit), CONTAIN7-Stor area (GPRA Unit), CONTAIN8-Stor area (GPRA Unit), CONTAIN9-Stor area (GPRA Unit), Container Storage Area 1 (GPRA Unit), Container Storage Area 2 (GPRA Unit), Container Storage Area 3 (GPRA Unit), Container Storage Area 4 (GPRA Unit), Filter Press (FP-1000) (GPRA Unit), OTHERTRT2-Paint Cons (GPRA Unit), OTHERTRT3-Can Crush (GPRA Unit), OTHERTRT4-Drum crush (GPRA Unit), TANKSTR1 (GPRA Unit), TANKSTR2 (GPRA Unit), TANKSTR3-Load dock (GPRA), TANKSTR4-Receiving (GPRA Unit), TANKSTR5-Receiving (GPRA Unit), TANKTRT1 (GPRA Unit)
Event Description: Renewal - No Changes - DRAFT PERMIT RENEWAL
Actual Date: 01/31/2014

EPA Id: CAD028409019
Facility Type: Permitted - Operating
Unit Names: Container Storage Area 1 (GPRA Unit), Filter Press (FP-1000) (GPRA Unit), TANKSTR1 (GPRA Unit), TANKTRT1 (GPRA Unit)
Event Description: Renewal - With Changes - DRAFT PERMIT RENEWAL
Actual Date: 02/23/1993

EPA Id: CAD028409019
Facility Type: Permitted - Operating
Unit Names: CONTAIN10-Stor area (GPRA Unit), CONTAIN11-Stor area (GPRA Unit), CONTAIN5-Stor area (GPRA Unit), CONTAIN6-Stor area (GPRA Unit), CONTAIN7-Stor area (GPRA Unit), CONTAIN8-Stor area (GPRA Unit), CONTAIN9-Stor area (GPRA Unit), Container Storage Area 1 (GPRA Unit), Container Storage Area 2 (GPRA Unit), Container Storage Area 3 (GPRA Unit), Container Storage Area 4 (GPRA Unit), Filter Press (FP-1000) (GPRA Unit), OTHERTRT2-Paint Cons (GPRA Unit), OTHERTRT3-Can Crush (GPRA Unit), OTHERTRT4-Drum crush (GPRA Unit), TANKSTR1 (GPRA Unit), TANKSTR2 (GPRA Unit), TANKSTR3-Load dock (GPRA), TANKSTR4-Receiving

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Event Description:	(GPRA Unit), TANKSTR5-Receiving (GPRA Unit), TANKTRT1 (GPRA Unit)
Actual Date:	Renewal - No Changes - PUBLIC COMMENT (BEGIN) 03/26/2014
EPA Id:	CAD028409019
Facility Type:	Permitted - Operating
Unit Names:	CONTAIN10-Stor area (GPRA Unit), CONTAIN11-Stor area (GPRA Unit), CONTAIN5-Stor area (GPRA Unit), CONTAIN6-Stor area (GPRA Unit), CONTAIN7-Stor area (GPRA Unit), CONTAIN8-Stor area (GPRA Unit), CONTAIN9-Stor area (GPRA Unit), Container Storage Area 1 (GPRA Unit), Container Storage Area 2 (GPRA Unit), Container Storage Area 3 (GPRA Unit), Container Storage Area 4 (GPRA Unit), Filter Press (FP-1000) (GPRA Unit), OTHERTRT2-Paint Cons (GPRA Unit), OTHERTRT3-Can Crush (GPRA Unit), OTHERTRT4-Drum crush (GPRA Unit), TANKSTR1 (GPRA Unit), TANKSTR2 (GPRA Unit), TANKSTR3-Load dock (GPRA), TANKSTR4-Receiving (GPRA Unit), TANKSTR5-Receiving (GPRA Unit), TANKTRT1 (GPRA Unit)
Event Description:	Renewal - No Changes - FINAL PERMIT RENEWAL (EXPIRES)
Actual Date:	08/21/2024
EPA Id:	CAD028409019
Facility Type:	Permitted - Operating
Unit Names:	Container Storage Area 1 (GPRA Unit), Filter Press (FP-1000) (GPRA Unit), TANKSTR1 (GPRA Unit), TANKTRT1 (GPRA Unit)
Event Description:	Renewal - With Changes - PUBLIC COMMENT (BEGIN)
Actual Date:	02/23/1993
EPA Id:	CAD028409019
Facility Type:	Permitted - Operating
Unit Names:	Container Storage Area 1 (GPRA Unit), TANKSTR1 (GPRA Unit), TANKTRT1 (GPRA Unit)
Event Description:	New Operating Permit - PUBLIC COMMENT (END)
Actual Date:	01/03/1985
EPA Id:	CAD028409019
Facility Type:	Permitted - Operating
Unit Names:	CONTAIN10-Stor area (GPRA Unit), CONTAIN11-Stor area (GPRA Unit), CONTAIN5-Stor area (GPRA Unit), CONTAIN6-Stor area (GPRA Unit), CONTAIN7-Stor area (GPRA Unit), CONTAIN8-Stor area (GPRA Unit), CONTAIN9-Stor area (GPRA Unit), Container Storage Area 1 (GPRA Unit), Container Storage Area 2 (GPRA Unit), Container Storage Area 3 (GPRA Unit), Container Storage Area 4 (GPRA Unit), Filter Press (FP-1000) (GPRA Unit), OTHERTRT2-Paint Cons (GPRA Unit), OTHERTRT3-Can Crush (GPRA Unit), OTHERTRT4-Drum crush (GPRA Unit), TANKSTR1 (GPRA Unit), TANKSTR2 (GPRA Unit), TANKSTR3-Load dock (GPRA), TANKSTR4-Receiving (GPRA Unit), TANKSTR5-Receiving (GPRA Unit), TANKTRT1 (GPRA Unit)
Event Description:	Renewal - No Changes - DISCLOSURE (CLEARED)
Actual Date:	01/16/2009
EPA Id:	CAD028409019
Facility Type:	Permitted - Operating
Unit Names:	Container Storage Area 1 (GPRA Unit), Filter Press (FP-1000) (GPRA Unit), TANKSTR1 (GPRA Unit), TANKTRT1 (GPRA Unit)
Event Description:	Renewal - With Changes - 1ST NOTICE OF DEFICIENCY ISSUED
Actual Date:	04/10/1991
EPA Id:	CAD028409019
Facility Type:	Permitted - Operating

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Unit Names: CONTAIN10-Stor area (GPRA Unit), CONTAIN11-Stor area (GPRA Unit), CONTAIN5-Stor area (GPRA Unit), CONTAIN6-Stor area (GPRA Unit), CONTAIN7-Stor area (GPRA Unit), CONTAIN8-Stor area (GPRA Unit), CONTAIN9-Stor area (GPRA Unit), Container Storage Area 1 (GPRA Unit), Container Storage Area 2 (GPRA Unit), Container Storage Area 3 (GPRA Unit), Container Storage Area 4 (GPRA Unit), Filter Press (FP-1000) (GPRA Unit), OTHERTRT2-Paint Cons (GPRA Unit), OTHERTRT3-Can Crush (GPRA Unit), OTHERTRT4-Drum crush (GPRA Unit), TANKSTR1 (GPRA Unit), TANKSTR2 (GPRA Unit), TANKSTR3-Load dock (GPRA), TANKSTR4-Receiving (GPRA Unit), TANKSTR5-Receiving (GPRA Unit), TANKTRT1 (GPRA Unit)

Event Description: Renewal - No Changes - DRAFT CEQA
Actual Date: 03/26/2014

EPA Id: CAD028409019
Facility Type: Permitted - Operating
Unit Names: CONTAIN10-Stor area (GPRA Unit), CONTAIN11-Stor area (GPRA Unit), CONTAIN5-Stor area (GPRA Unit), CONTAIN6-Stor area (GPRA Unit), CONTAIN7-Stor area (GPRA Unit), CONTAIN8-Stor area (GPRA Unit), CONTAIN9-Stor area (GPRA Unit), Container Storage Area 1 (GPRA Unit), Container Storage Area 2 (GPRA Unit), Container Storage Area 3 (GPRA Unit), Container Storage Area 4 (GPRA Unit), Filter Press (FP-1000) (GPRA Unit), OTHERTRT2-Paint Cons (GPRA Unit), OTHERTRT3-Can Crush (GPRA Unit), OTHERTRT4-Drum crush (GPRA Unit), TANKSTR1 (GPRA Unit), TANKSTR2 (GPRA Unit), TANKSTR3-Load dock (GPRA), TANKSTR4-Receiving (GPRA Unit), TANKSTR5-Receiving (GPRA Unit), TANKTRT1 (GPRA Unit)

Event Description: Renewal - No Changes - APPLICATION PART B RECEIVED
Actual Date: 12/16/2002

EPA Id: CAD028409019
Facility Type: Permitted - Operating
Unit Names: Container Storage Area 1 (GPRA Unit), Filter Press (FP-1000) (GPRA Unit), TANKSTR1 (GPRA Unit), TANKTRT1 (GPRA Unit)

Event Description: Renewal - With Changes - RESPONSE TO 2ND NOD RECEIVED
Actual Date: 03/09/1992

EPA Id: CAD028409019
Facility Type: Permitted - Operating
Unit Names: Container Storage Area 1 (GPRA Unit), Filter Press (FP-1000) (GPRA Unit), TANKSTR1 (GPRA Unit), TANKTRT1 (GPRA Unit)

Event Description: Renewal - With Changes - APPLICATION PART B RECEIVED
Actual Date: 05/16/1990

EPA Id: CAD028409019
Facility Type: Permitted - Operating
Unit Names: Container Storage Area 1 (GPRA Unit), TANKSTR1 (GPRA Unit), TANKTRT1 (GPRA Unit)

Event Description: New Operating Permit - FINAL PERMIT
Actual Date: 12/28/1984

EPA Id: CAD028409019
Facility Type: Permitted - Operating
Unit Names: Container Storage Area 1 (GPRA Unit), TANKSTR1 (GPRA Unit), TANKTRT1 (GPRA Unit)

Event Description: New Operating Permit - FINAL PERMIT (EXPIRES)
Actual Date: 12/28/1989

EPA Id: CAD028409019

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Facility Type: Permitted - Operating
Unit Names: Container Storage Area 1 (GPRA Unit), Filter Press (FP-1000) (GPRA Unit), TANKSTR1 (GPRA Unit), TANKTRT1 (GPRA Unit)
Event Description: Renewal - With Changes - FINAL PERMIT RENEWAL (EFFECTIVE)
Actual Date: 05/26/1993

EPA Id: CAD028409019
Facility Type: Permitted - Operating
Unit Names: CONTAIN10-Stor area (GPRA Unit), CONTAIN11-Stor area (GPRA Unit), CONTAIN5-Stor area (GPRA Unit), CONTAIN6-Stor area (GPRA Unit), CONTAIN7-Stor area (GPRA Unit), CONTAIN8-Stor area (GPRA Unit), CONTAIN9-Stor area (GPRA Unit), Container Storage Area 1 (GPRA Unit), Container Storage Area 2 (GPRA Unit), Container Storage Area 3 (GPRA Unit), Container Storage Area 4 (GPRA Unit), Filter Press (FP-1000) (GPRA Unit), OTHERTRT2-Paint Cons (GPRA Unit), OTHERTRT3-Can Crush (GPRA Unit), OTHERTRT4-Drum crush (GPRA Unit), TANKSTR1 (GPRA Unit), TANKSTR2 (GPRA Unit), TANKSTR3-Load dock (GPRA), TANKSTR4-Receiving (GPRA Unit), TANKSTR5-Receiving (GPRA Unit), TANKTRT1 (GPRA Unit)
Event Description: Renewal - No Changes - PUBLIC COMMENT (END)
Actual Date: 07/21/2014

EPA Id: CAD028409019
Facility Type: Permitted - Operating
Unit Names: CONTAIN10-Stor area (GPRA Unit), CONTAIN11-Stor area (GPRA Unit), CONTAIN5-Stor area (GPRA Unit), CONTAIN6-Stor area (GPRA Unit), CONTAIN7-Stor area (GPRA Unit), CONTAIN8-Stor area (GPRA Unit), CONTAIN9-Stor area (GPRA Unit), Container Storage Area 1 (GPRA Unit), Container Storage Area 2 (GPRA Unit), Container Storage Area 3 (GPRA Unit), Container Storage Area 4 (GPRA Unit), Filter Press (FP-1000) (GPRA Unit), OTHERTRT2-Paint Cons (GPRA Unit), OTHERTRT3-Can Crush (GPRA Unit), OTHERTRT4-Drum crush (GPRA Unit), TANKSTR1 (GPRA Unit), TANKSTR2 (GPRA Unit), TANKSTR3-Load dock (GPRA), TANKSTR4-Receiving (GPRA Unit), TANKSTR5-Receiving (GPRA Unit), TANKTRT1 (GPRA Unit)
Event Description: Renewal - No Changes - RESPONSE TO 1ST NOD RECEIVED
Actual Date: 03/04/2013

EPA Id: CAD028409019
Facility Type: Permitted - Operating
Unit Names: CONTAIN10-Stor area (GPRA Unit), CONTAIN11-Stor area (GPRA Unit), CONTAIN5-Stor area (GPRA Unit), CONTAIN6-Stor area (GPRA Unit), CONTAIN7-Stor area (GPRA Unit), CONTAIN8-Stor area (GPRA Unit), CONTAIN9-Stor area (GPRA Unit), Container Storage Area 1 (GPRA Unit), Container Storage Area 2 (GPRA Unit), Container Storage Area 3 (GPRA Unit), Container Storage Area 4 (GPRA Unit), Filter Press (FP-1000) (GPRA Unit), OTHERTRT2-Paint Cons (GPRA Unit), OTHERTRT3-Can Crush (GPRA Unit), OTHERTRT4-Drum crush (GPRA Unit), TANKSTR1 (GPRA Unit), TANKSTR2 (GPRA Unit), TANKSTR3-Load dock (GPRA), TANKSTR4-Receiving (GPRA Unit), TANKSTR5-Receiving (GPRA Unit), TANKTRT1 (GPRA Unit)
Event Description: Renewal - No Changes - CALL-IN LETTER ISSUED
Actual Date: 12/21/2001

EPA Id: CAD028409019
Facility Type: Permitted - Operating
Unit Names: Container Storage Area 1 (GPRA Unit), Filter Press (FP-1000) (GPRA Unit), TANKSTR1 (GPRA Unit), TANKTRT1 (GPRA Unit)
Event Description: Renewal - With Changes - FINAL PERMIT RENEWAL (EXPIRES)
Actual Date: 05/26/2003

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

EPA Id: CAD028409019
Facility Type: Permitted - Operating
Unit Names: CONTAIN10-Stor area (GPRA Unit), CONTAIN11-Stor area (GPRA Unit), CONTAIN5-Stor area (GPRA Unit), CONTAIN6-Stor area (GPRA Unit), CONTAIN7-Stor area (GPRA Unit), CONTAIN8-Stor area (GPRA Unit), CONTAIN9-Stor area (GPRA Unit), Container Storage Area 1 (GPRA Unit), Container Storage Area 2 (GPRA Unit), Container Storage Area 3 (GPRA Unit), Container Storage Area 4 (GPRA Unit), Filter Press (FP-1000) (GPRA Unit), OTHERTRT2-Paint Cons (GPRA Unit), OTHERTRT3-Can Crush (GPRA Unit), OTHERTRT4-Drum crush (GPRA Unit), TANKSTR1 (GPRA Unit), TANKSTR2 (GPRA Unit), TANKSTR3-Load dock (GPRA), TANKSTR4-Receiving (GPRA Unit), TANKSTR5-Receiving (GPRA Unit), TANKTRT1 (GPRA Unit)
Event Description: Renewal - No Changes - 1ST NOTICE OF DEFICIENCY ISSUED
Actual Date: 05/06/2009

EPA Id: CAD028409019
Facility Type: Permitted - Operating
Unit Names: Container Storage Area 1 (GPRA Unit), Filter Press (FP-1000) (GPRA Unit), TANKSTR1 (GPRA Unit), TANKTRT1 (GPRA Unit)
Event Description: Renewal - With Changes - PUBLIC COMMENT (PUBLIC HEARING)
Actual Date: 03/25/1993

EPA Id: CAD028409019
Facility Type: Permitted - Operating
Unit Names: Container Storage Area 1 (GPRA Unit), Filter Press (FP-1000) (GPRA Unit), TANKSTR1 (GPRA Unit), TANKTRT1 (GPRA Unit)
Event Description: Renewal - With Changes - PUBLIC COMMENT (END)
Actual Date: 04/09/1993

EPA Id: CAD028409019
Facility Type: Permitted - Operating
Unit Names: Container Storage Area 1 (GPRA Unit), TANKSTR1 (GPRA Unit), TANKTRT1 (GPRA Unit)
Event Description: New Operating Permit - PUBLIC COMMENT (BEGIN)
Actual Date: 11/09/1984

EPA Id: CAD028409019
Facility Type: Permitted - Operating
Unit Names: Container Storage Area 1 (GPRA Unit), Filter Press (FP-1000) (GPRA Unit), TANKSTR1 (GPRA Unit), TANKTRT1 (GPRA Unit)
Event Description: Renewal - With Changes - 2ND NOTICE OF DEFICIENCY ISSUED
Actual Date: 09/20/1991

Alias:
EPA Id: CAD028409019
Facility Type: Permitted - Operating
Alias Type: Project Code (Site Code)
Alias: 400214

EPA Id: CAD028409019
Facility Type: Permitted - Operating
Alias Type: APN
Alias: 7432008046

WI MANIFEST:

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Name: CROSBY & OVERTON PLANT # 1
Address: 1610 WEST 17TH STREET
City,State,Zip: LONG BEACH, CA 90813
Year: 2011
EPA ID: CAD028409019
FID: Not reported
ACT Code: 201
ACT Status: A
ACT Code 1: 201
ACT Name: HW Generator - Large
Contact Title: Not reported
Contact Name: Not reported
Contact Address: Not reported
Contact City/State/Zip: Not reported
Contact Telephone: Not reported
Contact EMail Address: Not reported

Shipped:

Year: 2011
Manifest Doc Id: 000189366WAS
Copy Type: TSDCOPY
Gen EPA ID: CAD028409019
Gen Date: 10/18/2011
GEN Copy Revd Date: Not reported
TSD Date: 10/28/2011
TSD EPA ID: WID988566543
TSD Copy Revd Date: 11/07/2011

Name: CROSBY & OVERTON PLANT # 1
Address: 1610 WEST 17TH STREET
City,State,Zip: LONG BEACH, CA 90813
Year: 2010
EPA ID: CAD028409019
FID: Not reported
ACT Code: 201
ACT Status: A
ACT Code 1: 201
ACT Name: HW Generator - Large
Contact Title: Not reported
Contact Name: Not reported
Contact Address: Not reported
Contact City/State/Zip: Not reported
Contact Telephone: Not reported
Contact EMail Address: Not reported

Shipped:

Year: 2010
Manifest Doc Id: 000189802WAS
Copy Type: TSDCOPY
Gen EPA ID: CAD028409019
Gen Date: 02/24/2010
GEN Copy Revd Date: Not reported
TSD Date: 03/10/2010
TSD EPA ID: WID988566543
TSD Copy Revd Date: 04/07/2010

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Name: CROSBY & OVERTON PLANT # 1
Address: 1610 WEST 17TH STREET
City,State,Zip: LONG BEACH, CA 90813
Year: 2009
EPA ID: CAD028409019
FID: Not reported
ACT Code: 201
ACT Status: A
ACT Code 1: 201
ACT Name: HW Generator - Large
Contact Title: Not reported
Contact Name: Not reported
Contact Address: Not reported
Contact City/State/Zip: Not reported
Contact Telephone: Not reported
Contact EMail Address: Not reported

Shipped:

Year: 2009
Manifest Doc Id: 000134655WAS
Copy Type: TSDCOPY
Gen EPA ID: CAD028409019
Gen Date: 01/05/2009
GEN Copy Revd Date: Not reported
TSD Date: 02/02/2009
TSD EPA ID: WID988566543
TSD Copy Revd Date: 04/01/2009

Year: 2009
Manifest Doc Id: 000134760WAS
Copy Type: TSDCOPY
Gen EPA ID: CAD028409019
Gen Date: 06/11/2009
GEN Copy Revd Date: Not reported
TSD Date: 06/24/2009
TSD EPA ID: WID988566543
TSD Copy Revd Date: 08/26/2009

Name: CROSBY & OVERTON PLANT # 1
Address: 1610 WEST 17TH STREET
City,State,Zip: LONG BEACH, CA 90813
Year: 2008
EPA ID: CAD028409019
FID: Not reported
ACT Code: 201
ACT Status: A
ACT Code 1: 201
ACT Name: HW Generator - Large
Contact Title: Not reported
Contact Name: Not reported
Contact Address: Not reported
Contact City/State/Zip: Not reported
Contact Telephone: Not reported
Contact EMail Address: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROSBY & OVERTON (Continued)

1000377893

Name: CROSBY & OVERTON PLANT # 1
Address: 1610 WEST 17TH STREET
City,State,Zip: LONG BEACH, CA 90813
Year: 2007
EPA ID: CAD028409019
FID: 0
ACT Code: 201
ACT Status: A
ACT Code 1: 201
ACT Name: HW Generator - Large
Contact Title: Not reported
Contact Name: Not reported
Contact Address: Not reported
Contact City/State/Zip: 0
Contact Telephone: 0
Contact EMail Address: Not reported

Name: CROSBY & OVERTON PLANT # 1
Address: 1610 WEST 17TH STREET
City,State,Zip: LONG BEACH, CA 90813
Year: 2006
EPA ID: CAD028409019
FID: 0
ACT Code: 201
ACT Status: A
ACT Code 1: 201
ACT Name: HW Generator - Large
Contact Title: Not reported
Contact Name: Not reported
Contact Address: Not reported
Contact City/State/Zip: Not reported
Contact Telephone: Not reported
Contact EMail Address: Not reported

Name: CROSBY & OVERTON PLANT # 1
Address: 1610 WEST 17TH STREET
City,State,Zip: LONG BEACH, CA 90813
Year: 2005
EPA ID: CAD028409019
FID: 0
ACT Code: 201
ACT Status: A
ACT Code 1: 201
ACT Name: HW Generator - Large
Contact Title: Not reported
Contact Name: Not reported
Contact Address: Not reported
Contact City/State/Zip: 0
Contact Telephone: 0
Contact EMail Address: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

205
East
1/2-1
0.647 mi.
3417 ft.

ANAHEIM STREET SCHOOL
ANAHEIM STREET/PACIFIC AVENUE
LONG BEACH, CA 90813

CA ENVIROSTOR
CA SCH

S105628511
N/A

Relative:
Higher

Actual:
38 ft.

ENVIROSTOR:

Name: ANAHEIM STREET SCHOOL
Address: ANAHEIM STREET/PACIFIC AVENUE
City,State,Zip: LONG BEACH, CA 90813
Facility ID: 19550025
Status: Inactive - Needs Evaluation
Status Date: 02/09/2011
Site Code: 404326
Site Type: School Investigation
Site Type Detailed: School
Acres: 6.5
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Not reported
Supervisor: Javier Hinojosa
Division Branch: Southern California Schools & Brownfields Outreach
Assembly: 70
Senate: 33
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: School District
Latitude: 33.783
Longitude: -118.192
APN: NONE SPECIFIED
Past Use: * RETAIL - AUTO DEALERS & SERVICE STATIONS
Potential COC: Under Investigation
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: ANAHEIM STREET SCHOOL
Alias Type: Alternate Name
Alias Name: LONG BEACH UNIFIED SCHOOL DISTRICT
Alias Type: Alternate Name
Alias Name: LONG BEACH USD-ANAHEIM STREET PARCELS
Alias Type: Alternate Name
Alias Name: 404326
Alias Type: Project Code (Site Code)
Alias Name: 19550025
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 04/02/2002
Comments: ORDER

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 02/09/2011
Comments: DTSC prepared project close out Cost Recovery Unit Memorandum.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANAHEIM STREET SCHOOL (Continued)

S105628511

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SCH:

Name: ANAHEIM STREET SCHOOL
Address: ANAHEIM STREET/PACIFIC AVENUE
City,State,Zip: LONG BEACH, CA 90813
Facility ID: 19550025
Site Type: School Investigation
Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED
Acres: 6.5
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Not reported
Supervisor: Javier Hinojosa
Division Branch: Southern California Schools & Brownfields Outreach
Site Code: 404326
Assembly: 70
Senate: 33
Special Program Status: Not reported
Status: Inactive - Needs Evaluation
Status Date: 02/09/2011
Restricted Use: NO
Funding: School District
Latitude: 33.783
Longitude: -118.192
APN: NONE SPECIFIED
Past Use: * RETAIL - AUTO DEALERS & SERVICE STATIONS
Potential COC: Under Investigation
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: ANAHEIM STREET SCHOOL
Alias Type: Alternate Name
Alias Name: LONG BEACH UNIFIED SCHOOL DISTRICT
Alias Type: Alternate Name
Alias Name: LONG BEACH USD-ANAHEIM STREET PARCELS
Alias Type: Alternate Name
Alias Name: 404326
Alias Type: Project Code (Site Code)
Alias Name: 19550025
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANAHEIM STREET SCHOOL (Continued)

S105628511

Completed Date: 04/02/2002
Comments: ORDER

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 02/09/2011
Comments: DTSC prepared project close out Cost Recovery Unit Memorandum.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

206
West
1/2-1
0.715 mi.
3774 ft.

QUALITY ALUMINUM FORGE
1411 COTA AVE.
LONG BEACH, CA 92807

CA ENVIROSTOR S108217516
N/A

Relative:
Lower
Actual:
8 ft.

ENVIROSTOR:

Name: QUALITY ALUMINUM FORGE
Address: 1411 COTA AVE.
City,State,Zip: LONG BEACH, CA 92807
Facility ID: 71002791
Status: Refer: Other Agency
Status Date: Not reported
Site Code: Not reported
Site Type: Tiered Permit
Site Type Detailed: Tiered Permit
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Not reported
Division Branch: Cleanup Chatsworth
Assembly: 70
Senate: 33
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 33.78396
Longitude: -118.2168
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAL000290855
Alias Type: EPA Identification Number
Alias Name: 71002791

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

QUALITY ALUMINUM FORGE (Continued)

S108217516

Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: Not reported

Completed Sub Area Name: Not reported

Completed Document Type: Not reported

Completed Date: Not reported

Comments: Not reported

Future Area Name: Not reported

Future Sub Area Name: Not reported

Future Document Type: Not reported

Future Due Date: Not reported

Schedule Area Name: Not reported

Schedule Sub Area Name: Not reported

Schedule Document Type: Not reported

Schedule Due Date: Not reported

Schedule Revised Date: Not reported

207
NNE
1/2-1
0.730 mi.
3857 ft.

TARZANA TREATMENT CENTER, INC.
2101 MAGNOLIA AVENUE
LONG BEACH, CA 90806

CA ENVIROSTOR S118756562
N/A

Relative:
Higher
Actual:
15 ft.

ENVIROSTOR:

Name: TARZANA TREATMENT CENTER, INC.

Address: 2101 MAGNOLIA AVENUE

City,State,Zip: LONG BEACH, CA 90806

Facility ID: 19800039

Status: No Action Required

Status Date: 11/02/1998

Site Code: 400696

Site Type: Calmortgage

Site Type Detailed: Calmortgage

Acres: 0

NPL: NO

Regulatory Agencies: DTSC

Lead Agency: DTSC

Program Manager: Sandra Karinen

Supervisor: William Beckman

Division Branch: Cleanup Sacramento

Assembly: 70

Senate: 33

Special Program: Not reported

Restricted Use: NO

Site Mgmt Req: NONE SPECIFIED

Funding: CalMortgage

Latitude: 33.79566

Longitude: -118.1984

APN: NONE SPECIFIED

Past Use: NONE

Potential COC: NONE SPECIFIED No Contaminants found

Confirmed COC: No Contaminants found

Potential Description: NMA

Alias Name: 400696

Alias Type: Project Code (Site Code)

Alias Name: 19800039

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TARZANA TREATMENT CENTER, INC. (Continued)

S118756562

Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: Not reported

Completed Sub Area Name: Not reported

Completed Document Type: Not reported

Completed Date: Not reported

Comments: Not reported

Future Area Name: Not reported

Future Sub Area Name: Not reported

Future Document Type: Not reported

Future Due Date: Not reported

Schedule Area Name: Not reported

Schedule Sub Area Name: Not reported

Schedule Document Type: Not reported

Schedule Due Date: Not reported

Schedule Revised Date: Not reported

208
WSW
1/2-1
0.758 mi.
4003 ft.

**EDISON/LONG BEACH III MGP
LG BCH HARBOR AREA, 8TH ST INT.W/EDISON
LONG BEACH, CA 90802**

**CA ENVIROSTOR
CA VCP**

**S100848277
N/A**

**Relative:
Lower**

**Actual:
12 ft.**

ENVIROSTOR:

Name: EDISON/LONG BEACH III MGP

Address: LG BCH HARBOR AREA, 8TH ST INT.W/EDISON

City,State,Zip: LONG BEACH, CA 90802

Facility ID: 19490233

Status: Certified / Operation & Maintenance

Status Date: 09/23/2004

Site Code: 400448

Site Type: Voluntary Cleanup

Site Type Detailed: Voluntary Cleanup

Acres: 5

NPL: NO

Regulatory Agencies: SMBRP

Lead Agency: SMBRP

Program Manager: Chand Sultana

Supervisor: Allan Plaza

Division Branch: Cleanup Chatsworth

Assembly: 70

Senate: 33

Special Program: Voluntary Cleanup Program

Restricted Use: NO

Site Mgmt Req: NONE SPECIFIED

Funding: Responsible Party

Latitude: 33.77944

Longitude: -118.2169

APN: NONE SPECIFIED

Past Use: MANUFACTURED GAS PLANT

Potential COC: Arsenic Lead TPH-MOTOR OIL

Confirmed COC: Arsenic Lead TPH-MOTOR OIL

Potential Description: SOIL

Alias Name: BOOK 7436, PAGE 15, PACEL 900, L.A.

Alias Type: Alternate Name

Alias Name: SO. CAL EDISON LONG BEACH TOWN GAS PLANT

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EDISON/LONG BEACH III MGP (Continued)

S100848277

Alias Type: Alternate Name
Alias Name: TOWN GAS PLANT LONG BEACH III
Alias Type: Alternate Name
Alias Name: 110033618832
Alias Type: EPA (FRS #)
Alias Name: 400448
Alias Type: Project Code (Site Code)
Alias Name: 19490233
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 12/27/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation / Feasibility Study
Completed Date: 06/30/2000
Comments: DTSC approves the Feasibility Study for the site. DTSC issues comments on the revised Health Risk Assessment.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 02/02/1995
Comments: DTSC reviewed and approved the PEA Report prepared for the Long Beach III site. DTSC recommended that further action is required on the site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Deed/LUR Enforcement & Implementation Plan
Completed Date: 09/23/2004
Comments: Signed Deed Restriction lodged with county.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 12/19/2001
Comments: Additional Soil Sampling Workplan finalized

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 05/06/2005
Comments: Annual Status report submitted to DTSC indicating that there has been no change in land use and asphalt cap has been maintained.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 05/07/2006
Comments: Annual Status report submitted to DTSC. Report indicates that there has been no change in land use and asphalt cap is well maintained.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EDISON/LONG BEACH III MGP (Continued)

S100848277

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 05/09/2007
Comments: Annual Status report submitted to DTSC. Annual report indicates that the end land use has not changed and that the asphalt cap has been well maintained.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 06/06/2008
Comments: Annual status report submitted indicates that there was no change in land use and that the asphalt cover remains intact.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 05/04/2009
Comments: Annual Status Report for the Former Long Beach III MGP site submitted and approved by DTSC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: 5 Year Review Reports
Completed Date: 06/17/2013
Comments: Long Beach III MGP 5 Year Review conducted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: 5 Year Review Reports
Completed Date: 01/04/2018
Comments: Long Beach III MGP 5 Year Review conducted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Notice of Exemption
Completed Date: 12/30/2002
Comments: Public Comment Period completed. Notice of Exemption finalized and submitted to the State Clearinghouse. DTSC issues concurrence letter for the remedy which is to deed restrict the property. CEQA Notice of Exemption finalized and sent to State Clearinghouse.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Amendment - Order/Agreement
Completed Date: 05/20/1996
Comments: DTSC executes a Consent Order with Southern California Edison and Southern California Gas to complete an RI/FS for the site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 05/10/1994
Comments: DTSC enters into a Voluntary Cleanup Agreement with Southern California Edison to conduct a Preliminary Endangerment Assessment.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EDISON/LONG BEACH III MGP (Continued)

S100848277

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Amendment - Order/Agreement
Completed Date: 01/04/1999
Comments: Transition to Chapter 6.5 - Amendment to the Existing Consent Order, Docket No. HSA 95/96-047 signed by RPs. John Fielder: 12/11/98 & Robert G. Vogel: 12/21/98.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Land Use Restriction Monitoring Report
Completed Date: 05/25/2010
Comments: Annual Inspection report submitted and approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Land Use Restriction Monitoring Report
Completed Date: 05/23/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Land Use Restriction Monitoring Report
Completed Date: 05/24/2012
Comments: Annual inspection report reviewed and approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Land Use Restriction Monitoring Report
Completed Date: 05/07/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Land Use Restriction Monitoring Report
Completed Date: 08/21/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Land Use Restriction Monitoring Report
Completed Date: 06/25/2015
Comments: Annual status report submitted and approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Land Use Restriction Monitoring Report
Completed Date: 05/18/2016
Comments: Annual Status Report reviewed and approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Land Use Restriction Monitoring Report
Completed Date: 06/15/2017
Comments: Annual Inspection Report Received and Approved. No changes in land use.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EDISON/LONG BEACH III MGP (Continued)

S100848277

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Land Use Restriction Monitoring Report
Completed Date: 07/05/2018
Comments: completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Land Use Restriction Monitoring Report
Completed Date: 12/02/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Land Use Restriction Monitoring Report
Completed Date: 12/02/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 11/04/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 09/09/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/20/2015
Comments: Annual Cost Estimate Letter

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 10/31/2016
Comments: Annual Cost Estimate Letter FY 16-17

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: 5 Year Review Reports
Future Due Date: 2023
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: 5 Year Review Reports
Future Due Date: 2028
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EDISON/LONG BEACH III MGP (Continued)

S100848277

VCP:

Name: EDISON/LONG BEACH III MGP
Address: LG BCH HARBOR AREA, 8TH ST INT.W/EDISON
City,State,Zip: LONG BEACH, CA 90802
Facility ID: 19490233
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Cleanup
Site Mgmt. Req.: NONE SPECIFIED
Acres: 5
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Chand Sultana
Supervisor: Allan Plaza
Division Branch: Cleanup Chatsworth
Site Code: 400448
Assembly: 70
Senate: 33
Special Programs Code: Voluntary Cleanup Program
Status: Certified / Operation & Maintenance
Status Date: 09/23/2004
Restricted Use: NO
Funding: Responsible Party
Lat/Long: 33.77944 / -118.2169
APN: NONE SPECIFIED
Past Use: MANUFACTURED GAS PLANT
Potential COC: 30001, 30013, 3002502
Confirmed COC: 30001,30013,3002502
Potential Description: SOIL
Alias Name: BOOK 7436, PAGE 15, PACEL 900, L.A.
Alias Type: Alternate Name
Alias Name: SO. CAL EDISON LONG BEACH TOWN GAS PLANT
Alias Type: Alternate Name
Alias Name: TOWN GAS PLANT LONG BEACH III
Alias Type: Alternate Name
Alias Name: 110033618832
Alias Type: EPA (FRS #)
Alias Name: 400448
Alias Type: Project Code (Site Code)
Alias Name: 19490233
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 12/27/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation / Feasibility Study
Completed Date: 06/30/2000
Comments: DTSC approves the Feasibility Study for the site. DTSC issues comments on the revised Health Risk Assessment.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EDISON/LONG BEACH III MGP (Continued)

S100848277

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 02/02/1995
Comments: DTSC reviewed and approved the PEA Report prepared for the Long Beach III site. DTSC recommended that further action is required on the site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Deed/LUR Enforcement & Implementation Plan
Completed Date: 09/23/2004
Comments: Signed Deed Restriction lodged with county.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 12/19/2001
Comments: Additional Soil Sampling Workplan finalized

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 05/06/2005
Comments: Annual Status report submitted to DTSC indicating that there has been no change in land use and asphalt cap has been maintained.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 05/07/2006
Comments: Annual Status report submitted to DTSC. Report indicates that there has been no change in land use and asphalt cap is well maintained.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 05/09/2007
Comments: Annual Status report submitted to DTSC. Annual report indicates that the end land use has not changed and that the asphalt cap has been well maintained.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 06/06/2008
Comments: Annual status report submitted indicates that there was no change in land use and that the asphalt cover remains intact.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 05/04/2009
Comments: Annual Status Report for the Former Long Beach III MGP site submitted and approved by DTSC.

Completed Area Name: PROJECT WIDE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EDISON/LONG BEACH III MGP (Continued)

S100848277

Completed Sub Area Name: Not reported
Completed Document Type: 5 Year Review Reports
Completed Date: 06/17/2013
Comments: Long Beach III MGP 5 Year Review conducted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: 5 Year Review Reports
Completed Date: 01/04/2018
Comments: Long Beach III MGP 5 Year Review conducted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Notice of Exemption
Completed Date: 12/30/2002
Comments: Public Comment Period completed. Notice of Exemption finalized and submitted to the State Clearinghouse. DTSC issues concurrence letter for the remedy which is to deed restrict the property. CEQA Notice of Exemption finalized and sent to State Clearinghouse.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Amendment - Order/Agreement
Completed Date: 05/20/1996
Comments: DTSC executes a Consent Order with Southern California Edison and Southern California Gas to complete an RI/FS for the site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 05/10/1994
Comments: DTSC enters into a Voluntary Cleanup Agreement with Southern California Edison to conduct a Preliminary Endangerment Assessment.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Amendment - Order/Agreement
Completed Date: 01/04/1999
Comments: Transition to Chapter 6.5 - Amendment to the Existing Consent Order, Docket No. HSA 95/96-047 signed by RPs. John Fielder: 12/11/98 & Robert G. Vogel: 12/21/98.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Land Use Restriction Monitoring Report
Completed Date: 05/25/2010
Comments: Annual Inspection report submitted and approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Land Use Restriction Monitoring Report
Completed Date: 05/23/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Land Use Restriction Monitoring Report

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EDISON/LONG BEACH III MGP (Continued)

S100848277

Completed Date: 05/24/2012
Comments: Annual inspection report reviewed and approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Land Use Restriction Monitoring Report
Completed Date: 05/07/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Land Use Restriction Monitoring Report
Completed Date: 08/21/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Land Use Restriction Monitoring Report
Completed Date: 06/25/2015
Comments: Annual status report submitted and approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Land Use Restriction Monitoring Report
Completed Date: 05/18/2016
Comments: Annual Status Report reviewed and approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Land Use Restriction Monitoring Report
Completed Date: 06/15/2017
Comments: Annual Inspection Report Received and Approved. No changes in land use.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Land Use Restriction Monitoring Report
Completed Date: 07/05/2018
Comments: completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Land Use Restriction Monitoring Report
Completed Date: 12/02/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Land Use Restriction Monitoring Report
Completed Date: 12/02/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 11/04/2013
Comments: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EDISON/LONG BEACH III MGP (Continued)

S100848277

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 09/09/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/20/2015
Comments: Annual Cost Estimate Letter

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 10/31/2016
Comments: Annual Cost Estimate Letter FY 16-17

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: 5 Year Review Reports
Future Due Date: 2023
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: 5 Year Review Reports
Future Due Date: 2028
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

209
WSW
1/2-1
0.798 mi.
4213 ft.

1710 PIER B STREET
1710 PIER B STREET
LONG BEACH, CA 90813

CA ENVIROSTOR
CA VCP
CA EMI
CA NPDES
CA CIWQS

S105938210
N/A

Relative:
Lower
Actual:
12 ft.

ENVIROSTOR:
Name: BAKER COLD STORAGE, INC. (FORMER JH BAXTER SITE)
Address: 1710 PIER B STREET
City,State,Zip: LONG BEACH, CA 90802
Facility ID: 19290290
Status: Active
Status Date: 02/08/2012
Site Code: 401633
Site Type: Voluntary Cleanup
Site Type Detailed: Voluntary Cleanup
Acres: 15
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Anantaramam Peddada
Supervisor: Robert Senga
Division Branch: Cleanup Cypress
Assembly: 70
Senate: 33
Special Program: CLRRRA Liability Immunity (AB 389)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

1710 PIER B STREET (Continued)

S105938210

Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Responsible Party
Latitude: 33.77742
Longitude: -118.2166
APN: NONE SPECIFIED
Past Use: MANUFACTURING - CHEMICALS, PORT, RAILROAD RIGHT OF WAY, MANUFACTURING
- LUMBER/WOOD PRODUCTS, MANUFACTURING - LUMBER/WOOD PRODUCTS
Potential COC: * CONTAMINATED SOIL Arsenic Dioxin (as 2,3,7,8-TCDD TEQ Cadmium and
compounds Chromium VI Furan Pentachlorophenol Arsenic Dioxin (as
2,3,7,8-TCDD TEQ Ammonia Cadmium and compounds Copper and compounds
Pentachlorophenol Zinc Arsenic Dioxin (as 2,3,7,8-TCDD TEQ Copper and
compounds Pentachlorophenol Zinc Arsenic Dioxin (as 2,3,7,8-TCDD TEQ
Pentachlorophenol 2,3,7,8-TCDD (dioxin Zinc Arsenic Copper and
compounds Pentachlorophenol Zinc
Confirmed COC: Furan Pentachlorophenol Arsenic Dioxin (as 2,3,7,8-TCDD TEQ 10097-NO
Arsenic Copper and compounds Pentachlorophenol Zinc 2,3,7,8-TCDD
(dioxin Pentachlorophenol Arsenic Dioxin (as 2,3,7,8-TCDD TEQ Zinc
Arsenic Dioxin (as 2,3,7,8-TCDD TEQ Cadmium and compounds Copper and
compounds Pentachlorophenol Zinc Ammonia Arsenic Dioxin (as
2,3,7,8-TCDD TEQ Copper and compounds Pentachlorophenol Zinc
Potential Description: OTH, SOIL, OTH, SOIL, SURFW, OTH, SOIL
Alias Name: BAXTER J H
Alias Type: Alternate Name
Alias Name: Cembra Long Beach Aggregate Terminal (Former JH Baxter Site)
Alias Type: Alternate Name
Alias Name: Oakmont Baxter LLC
Alias Type: Alternate Name
Alias Name: Oakmont Industrial Group
Alias Type: Alternate Name
Alias Name: CAD008480204
Alias Type: EPA Identification Number
Alias Name: 110033612810
Alias Type: EPA (FRS #)
Alias Name: 400269
Alias Type: Project Code (Site Code)
Alias Name: 401387
Alias Type: Project Code (Site Code)
Alias Name: 401487
Alias Type: Project Code (Site Code)
Alias Name: 401617
Alias Type: Project Code (Site Code)
Alias Name: 401633
Alias Type: Project Code (Site Code)
Alias Name: 19290290
Alias Type: Envirostor ID Number
Completed Info:
Completed Area Name: Soils Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 12/17/2007
Comments: On March 10, 2007, DTSC issued the approval letter for the October
16, 2006 Remedial Investigation/ Feasibility Report (RI/FS).
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

1710 PIER B STREET (Continued)

S105938210

Completed Date: 04/25/1995
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 06/13/1989
Comments: Initial Site Screening conducted.

Completed Area Name: Groundwater OU
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/30/2007
Comments: Cone Penetrometer Report was interim document summarizing groundwater data from earlier stages of the investigation. It was not a formal milestone document for this project. DTSC provided comments on this document to the J.H. Baxter/Oakmont Team on 1/30/2007

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Community Profile
Completed Date: 04/06/2008
Comments: Final Community Profile completed and sent to proponent and repository at Long Beach City Library on 4/2/2008

Completed Area Name: Groundwater OU
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Plan
Completed Date: 12/17/2007
Comments: Workplan addendum addresses DTSC comments.

Completed Area Name: Soils Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 11/27/2007
Comments: Not reported

Completed Area Name: Soils Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: AB 389 Response Plan
Completed Date: 06/29/2009
Comments: Approval Letter for Revised Draft AB 389 Plan for Soil OU was sent to proponent on 6/29/2009

Completed Area Name: Groundwater OU
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 12/14/2010
Comments: DTSC conditionally approves the document.

Completed Area Name: Groundwater OU
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/28/2012
Comments: Geological Support Unit Memo from Dave Murchison on the First and Second Semi-Annual Groundwater Monitoring Report was finalized on 2/28/2012

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

1710 PIER B STREET (Continued)

S105938210

Completed Area Name: Groundwater OU
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/29/2012
Comments: ..

Completed Area Name: Baker Cold Storage
Completed Sub Area Name: Not reported
Completed Document Type: AB 389 Response Plan
Completed Date: 12/02/2013
Comments: Not reported

Completed Area Name: Groundwater OU
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/30/2012
Comments: Not reported

Completed Area Name: Groundwater OU
Completed Sub Area Name: Baker Cold Storage
Completed Document Type: Monitoring Report
Completed Date: 10/18/2013
Comments: Completed

Completed Area Name: Groundwater OU
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/13/2012
Comments: No letter was sent. This document was uploaded for records only

Completed Area Name: Groundwater OU
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/13/2012
Comments: No letter was sent. This document was uploaded for records only

Completed Area Name: Soils Operable Unit
Completed Sub Area Name: Baker Cold Storage
Completed Document Type: Site Characterization Workplan
Completed Date: 10/18/2012
Comments: DTSC sent concurrence with the methane survey workplan.

Completed Area Name: Baker Cold Storage
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 10/18/2012
Comments: Not reported

Completed Area Name: Groundwater OU
Completed Sub Area Name: Baker Cold Storage
Completed Document Type: Monitoring Plan
Completed Date: 01/08/2013
Comments: Completed

Completed Area Name: Baker Cold Storage
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

1710 PIER B STREET (Continued)

S105938210

Completed Date: 05/20/2013
Comments: completed. Field work will start

Completed Area Name: Baker Cold Storage
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Plan
Completed Date: 01/15/2019
Comments: Not reported

Completed Area Name: Groundwater OU
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Completion Report
Completed Date: 08/07/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/20/2014
Comments: completed

Completed Area Name: Groundwater OU
Completed Sub Area Name: Baker Cold Storage
Completed Document Type: Monitoring Report
Completed Date: 11/16/2017
Comments: Not reported

Completed Area Name: Baker Cold Storage
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Plan
Completed Date: 03/20/2014
Comments: Not reported

Completed Area Name: Soils Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Soils Management Plan
Completed Date: 04/23/2014
Comments: Not reported

Completed Area Name: Baker Cold Storage
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 03/13/2014
Comments: .

Completed Area Name: Soils Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Soils Management Plan
Completed Date: 04/23/2014
Comments: Completed

Completed Area Name: Baker Cold Storage
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 08/12/2015
Comments: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

1710 PIER B STREET (Continued)

S105938210

Completed Area Name: Baker Cold Storage
Completed Sub Area Name: Not reported
Completed Document Type: Well Decommissioning Workplan
Completed Date: 04/17/2014
Comments: completed

Completed Area Name: Soils Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 06/16/2014
Comments: Not reported

Completed Area Name: Baker Cold Storage
Completed Sub Area Name: Not reported
Completed Document Type: Tank Removal Workplan
Completed Date: 06/05/2014
Comments: Not sent . Not reviewed the document. IT is loaded as information document at the Site

Completed Area Name: Baker Cold Storage
Completed Sub Area Name: Not reported
Completed Document Type: Soils Management Plan
Completed Date: 07/03/2014
Comments: Not reported

Completed Area Name: Soils Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Soils Management Plan
Completed Date: 07/24/2014
Comments: done

Completed Area Name: Baker Cold Storage
Completed Sub Area Name: Not reported
Completed Document Type: Well Decommissioning Report
Completed Date: 08/14/2014
Comments: Not reported

Completed Area Name: Baker Cold Storage
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 12/01/2014
Comments: Not reported

Completed Area Name: Baker Cold Storage
Completed Sub Area Name: Not reported
Completed Document Type: Tank Removal Report
Completed Date: 02/22/2016
Comments: Not reported

Completed Area Name: Baker Cold Storage
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 10/05/2015
Comments: Not reported

Completed Area Name: Groundwater OU
Completed Sub Area Name: Baker Cold Storage

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

1710 PIER B STREET (Continued)

S105938210

Completed Document Type: Well Installation Workplan
Completed Date: 02/08/2017
Comments: Not reported

Completed Area Name: Baker Cold Storage
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 10/11/2016
Comments: Not reported

Completed Area Name: Groundwater OU
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/15/2018
Comments: Not reported

Completed Area Name: Baker Cold Storage
Completed Sub Area Name: Not reported
Completed Document Type: Financial Assurance Documentation
Completed Date: 03/15/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 11/08/2017
Comments: Not reported

Completed Area Name: Groundwater OU
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/04/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/22/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 08/22/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 11/21/2018
Comments: Not reported

Completed Area Name: Baker Cold Storage
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 04/20/2019
Comments: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

1710 PIER B STREET (Continued)

S105938210

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 12/10/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 10/30/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 07/08/2002
Comments: A Voluntary Cleanup Agreement (VCA) for a Remedial Investigation through Operation and Maintenance (O & M) was signed on July 8, 2002.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: California Land Reuse and Revitalization Agreement
Completed Date: 08/22/2007
Comments: An AB 389 CLRRRA agreement was fully executed for this site on 8/22/07. Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: California Land Reuse and Revitalization Agreement
Completed Date: 08/13/2008
Comments: This Amendment was executed with Oakmont Baxter LLC, the current owner of the property to make changes in the terms and conditions to facilitate sale of the property and assignment of responsibility for activities required under the original AB 389 Agreement to prospective purchase Cemara LLC

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 11/16/2012
Comments: Completion of activities related to Cemera Long Beach LLC and Closeout of its site code in the CRBS.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Responsible Agency Review
Completed Date: 06/25/2009
Comments: Port of Long Beach is Lead Agency for CEQA related activities related to preparation of the Environmental Impact Report (EIR). DTSC provided comments on the Notice of Preparation of an EIR for the Cemera redevelopment project via the State clearinghouse review process.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

1710 PIER B STREET (Continued)

S105938210

Completed Date: 09/21/2009
Comments: Annual Cost Estimate letter sent for calendar year 2010.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Reimbursement Agreement
Completed Date: 07/10/2012
Comments: Contract Executed. Contract term 6/20/2012 through 06/30/2013.

Completed Area Name: Baker Cold Storage
Completed Sub Area Name: Not reported
Completed Document Type: California Land Reuse and Revitalization Agreement
Completed Date: 12/14/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/31/2011
Comments: Annual cost estimate letter completed on 10/31/2011

Completed Area Name: Baker Cold Storage
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Mitigated Neg. Dec. (MND)
Completed Date: 11/14/2013
Comments: completed the comments

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 08/13/2012
Comments: 1st Collection reminder letter for site code 401387, sent to Cembra Long Beach LLC, attention to Bill Terry.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 08/13/2012
Comments: 1st Collection reminder letter sent for site code 401487 to Cembra Long Beach LLC, attention Bill Terry.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 08/10/2012
Comments: Collection letter sent to Oakmont Industrial Group.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 06/30/2013
Comments: Contract Expired and Close-Out Memo issued.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Reimbursement Agreement
Completed Date: 01/04/2013

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

1710 PIER B STREET (Continued)

S105938210

Comments: Not reported

Completed Area Name: Baker Cold Storage
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/15/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/19/2014
Comments: Not reported

Completed Area Name: Baker Cold Storage
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 06/28/2017
Comments: Not reported

Future Area Name: Baker Cold Storage
Future Sub Area Name: Not reported
Future Document Type: 5 Year Review Reports
Future Due Date: 2023
Future Area Name: Baker Cold Storage
Future Sub Area Name: Not reported
Future Document Type: Operations and Maintenance Report
Future Due Date: 2020
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Operations and Maintenance Report
Schedule Due Date: 03/13/2020
Schedule Revised Date: Not reported
Schedule Area Name: Baker Cold Storage
Schedule Sub Area Name: Not reported
Schedule Document Type: Land Use Restriction
Schedule Due Date: 12/01/2019
Schedule Revised Date: Not reported
Schedule Area Name: Baker Cold Storage
Schedule Sub Area Name: Not reported
Schedule Document Type: Certification
Schedule Due Date: 03/29/2020
Schedule Revised Date: Not reported

VCP:

Name: BAKER COLD STORAGE, INC. (FORMER JH BAXTER SITE)
Address: 1710 PIER B STREET
City,State,Zip: LONG BEACH, CA 90802
Facility ID: 19290290
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Cleanup
Site Mgmt. Req.: NONE SPECIFIED
Acres: 15
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

1710 PIER B STREET (Continued)

S105938210

Project Manager: Anantaramam Peddada
Supervisor: Robert Senga
Division Branch: Cleanup Cypress
Site Code: 401633
Assembly: 70
Senate: 33
Special Programs Code: CLRRRA Liability Immunity (AB 389)
Status: Active
Status Date: 02/08/2012
Restricted Use: NO
Funding: Responsible Party
Lat/Long: 33.77742 / -118.2166
APN: NONE SPECIFIED
Past Use: MANUFACTURING - CHEMICALS, PORT, RAILROAD RIGHT OF WAY, MANUFACTURING
- LUMBER/WOOD PRODUCTS, MANUFACTURING - LUMBER/WOOD PRODUCTS
Potential COC: 10097, 30001, 30009, 30108, 30153, 30298, 30448, 30001, 30009, 30055,
30108, 30156, 30448, 30594, 30001, 30009, 30156, 30448, 30594, 30001,
30009, 30448, 30528, 30594, 30001, 30156, 30448, 30594
Confirmed COC: 30298,30448,30001,30009,10097-NO,, ,30001,30156,30448,30594,,
,30528,30448,30001,30009,30594,,
,30001,30009,30108,30156,30448,30594,30055,,
,30001,30009,30156,30448,30594
Potential Description: OTH, SOIL, OTH, SOIL, SURFW, OTH, SOIL
Alias Name: BAXTER J H
Alias Type: Alternate Name
Alias Name: Cembra Long Beach Aggregate Terminal (Former JH Baxter Site)
Alias Type: Alternate Name
Alias Name: Oakmont Baxter LLC
Alias Type: Alternate Name
Alias Name: Oakmont Industrial Group
Alias Type: Alternate Name
Alias Name: CAD008480204
Alias Type: EPA Identification Number
Alias Name: 110033612810
Alias Type: EPA (FRS #)
Alias Name: 400269
Alias Type: Project Code (Site Code)
Alias Name: 401387
Alias Type: Project Code (Site Code)
Alias Name: 401487
Alias Type: Project Code (Site Code)
Alias Name: 401617
Alias Type: Project Code (Site Code)
Alias Name: 401633
Alias Type: Project Code (Site Code)
Alias Name: 19290290
Alias Type: Envirostor ID Number
Completed Info:
Completed Area Name: Soils Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 12/17/2007
Comments: On March 10, 2007, DTSC issued the approval letter for the October
16, 2006 Remedial Investigation/ Feasibility Report (RI/FS).
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

1710 PIER B STREET (Continued)

S105938210

Completed Document Type: Site Screening
Completed Date: 04/25/1995
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 06/13/1989
Comments: Initial Site Screening conducted.

Completed Area Name: Groundwater OU
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/30/2007
Comments: Cone Penetrometer Report was interim document summarizing groundwater data from earlier stages of the investigation. It was not a formal milestone document for this project. DTSC provided comments on this document to the J.H. Baxter/Oakmont Team on 1/30/2007

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Community Profile
Completed Date: 04/06/2008
Comments: Final Community Profile completed and sent to proponent and repository at Long Beach City Library on 4/2/2008

Completed Area Name: Groundwater OU
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Plan
Completed Date: 12/17/2007
Comments: Workplan addendum addresses DTSC comments.

Completed Area Name: Soils Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 11/27/2007
Comments: Not reported

Completed Area Name: Soils Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: AB 389 Response Plan
Completed Date: 06/29/2009
Comments: Approval Letter for Revised Draft AB 389 Plan for Soil OU was sent to proponent on 6/29/2009

Completed Area Name: Groundwater OU
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 12/14/2010
Comments: DTSC conditionally approves the document.

Completed Area Name: Groundwater OU
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/28/2012
Comments: Geological Support Unit Memo from Dave Murchison on the First and Second Semi-Annual Groundwater Monitoring Report was finalized on

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

1710 PIER B STREET (Continued)

S105938210

2/28/2012

Completed Area Name: Groundwater OU
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/29/2012
Comments: ..

Completed Area Name: Baker Cold Storage
Completed Sub Area Name: Not reported
Completed Document Type: AB 389 Response Plan
Completed Date: 12/02/2013
Comments: Not reported

Completed Area Name: Groundwater OU
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/30/2012
Comments: Not reported

Completed Area Name: Groundwater OU
Completed Sub Area Name: Baker Cold Storage
Completed Document Type: Monitoring Report
Completed Date: 10/18/2013
Comments: Completed

Completed Area Name: Groundwater OU
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/13/2012
Comments: No letter was sent. This document was uploaded for records only

Completed Area Name: Groundwater OU
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/13/2012
Comments: No letter was sent. This document was uploaded for records only

Completed Area Name: Soils Operable Unit
Completed Sub Area Name: Baker Cold Storage
Completed Document Type: Site Characterization Workplan
Completed Date: 10/18/2012
Comments: DTSC sent concurrence with the methane survey workplan.

Completed Area Name: Baker Cold Storage
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 10/18/2012
Comments: Not reported

Completed Area Name: Groundwater OU
Completed Sub Area Name: Baker Cold Storage
Completed Document Type: Monitoring Plan
Completed Date: 01/08/2013
Comments: Completed

Completed Area Name: Baker Cold Storage

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

1710 PIER B STREET (Continued)

S105938210

Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 05/20/2013
Comments: completed. Field work will start

Completed Area Name: Baker Cold Storage
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Plan
Completed Date: 01/15/2019
Comments: Not reported

Completed Area Name: Groundwater OU
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Completion Report
Completed Date: 08/07/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/20/2014
Comments: completed

Completed Area Name: Groundwater OU
Completed Sub Area Name: Baker Cold Storage
Completed Document Type: Monitoring Report
Completed Date: 11/16/2017
Comments: Not reported

Completed Area Name: Baker Cold Storage
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Plan
Completed Date: 03/20/2014
Comments: Not reported

Completed Area Name: Soils Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Soils Management Plan
Completed Date: 04/23/2014
Comments: Not reported

Completed Area Name: Baker Cold Storage
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 03/13/2014
Comments: .

Completed Area Name: Soils Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Soils Management Plan
Completed Date: 04/23/2014
Comments: Completed

Completed Area Name: Baker Cold Storage
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 08/12/2015

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

1710 PIER B STREET (Continued)

S105938210

Comments: Not reported

Completed Area Name: Baker Cold Storage
Completed Sub Area Name: Not reported
Completed Document Type: Well Decommissioning Workplan
Completed Date: 04/17/2014
Comments: completed

Completed Area Name: Soils Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 06/16/2014
Comments: Not reported

Completed Area Name: Baker Cold Storage
Completed Sub Area Name: Not reported
Completed Document Type: Tank Removal Workplan
Completed Date: 06/05/2014
Comments: Not sent . Not reviewed the document. IT is loaded as information document at the Site

Completed Area Name: Baker Cold Storage
Completed Sub Area Name: Not reported
Completed Document Type: Soils Management Plan
Completed Date: 07/03/2014
Comments: Not reported

Completed Area Name: Soils Operable Unit
Completed Sub Area Name: Not reported
Completed Document Type: Soils Management Plan
Completed Date: 07/24/2014
Comments: done

Completed Area Name: Baker Cold Storage
Completed Sub Area Name: Not reported
Completed Document Type: Well Decommissioning Report
Completed Date: 08/14/2014
Comments: Not reported

Completed Area Name: Baker Cold Storage
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 12/01/2014
Comments: Not reported

Completed Area Name: Baker Cold Storage
Completed Sub Area Name: Not reported
Completed Document Type: Tank Removal Report
Completed Date: 02/22/2016
Comments: Not reported

Completed Area Name: Baker Cold Storage
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 10/05/2015
Comments: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

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1710 PIER B STREET (Continued)

S105938210

Completed Area Name: Groundwater OU
Completed Sub Area Name: Baker Cold Storage
Completed Document Type: Well Installation Workplan
Completed Date: 02/08/2017
Comments: Not reported

Completed Area Name: Baker Cold Storage
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 10/11/2016
Comments: Not reported

Completed Area Name: Groundwater OU
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/15/2018
Comments: Not reported

Completed Area Name: Baker Cold Storage
Completed Sub Area Name: Not reported
Completed Document Type: Financial Assurance Documentation
Completed Date: 03/15/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 11/08/2017
Comments: Not reported

Completed Area Name: Groundwater OU
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/04/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/22/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 08/22/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 11/21/2018
Comments: Not reported

Completed Area Name: Baker Cold Storage
Completed Sub Area Name: Not reported
Completed Document Type: Other Report

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

1710 PIER B STREET (Continued)

S105938210

Completed Date: 04/20/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 12/10/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 10/30/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 07/08/2002
Comments: A Voluntary Cleanup Agreement (VCA) for a Remedial Investigation through Operation and Maintenance (O & M) was signed on on July 8, 2002.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: California Land Reuse and Revitalization Agreement
Completed Date: 08/22/2007
Comments: An AB 389 CLRRRA agreement was fully executed for this site on 8/22/07.
Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: California Land Reuse and Revitalization Agreement
Completed Date: 08/13/2008
Comments: This Amendment was executed with Oakmont Baxter LLC, the current owner of the property to make changes in the terms and conditions to facilitate sale of the property and assignment of responsibility for activities required under the original AB 389 Agreement to prospective purchase Cemera LLC

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 11/16/2012
Comments: Completion of activities related to Cemera Long Beach LLC and Closeout of its site code in the CRBS.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Responsible Agency Review
Completed Date: 06/25/2009
Comments: Port of Long Beach is Lead Agency for CEQA related activities related to preparation of the Environmental Impact Report (EIR). DTSC provided comments on the Notice of Preparation of an EIR for the Cemera redevelopment project via the State clearinghouse review process.

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1710 PIER B STREET (Continued)

S105938210

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/21/2009
Comments: Annual Cost Estimate letter sent for calendar year 2010.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Reimbursement Agreement
Completed Date: 07/10/2012
Comments: Contract Executed. Contract term 6/20/2012 through 06/30/2013.

Completed Area Name: Baker Cold Storage
Completed Sub Area Name: Not reported
Completed Document Type: California Land Reuse and Revitalization Agreement
Completed Date: 12/14/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/31/2011
Comments: Annual cost estimate letter completed on 10/31/2011

Completed Area Name: Baker Cold Storage
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Mitigated Neg. Dec. (MND)
Completed Date: 11/14/2013
Comments: completed the comments

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 08/13/2012
Comments: 1st Collection reminder letter for site code 401387, sent to Cembra Long Beach LLC, attention to Bill Terry.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 08/13/2012
Comments: 1st Collection reminder letter sent for site code 401487 to Cembra Long Beach LLC, attention Bill Terry.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 08/10/2012
Comments: Collection letter sent to Oakmont Industrial Group.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 06/30/2013
Comments: Contract Expired and Close-Out Memo issued.

Completed Area Name: PROJECT WIDE

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1710 PIER B STREET (Continued)

S105938210

Completed Sub Area Name: Not reported
Completed Document Type: Reimbursement Agreement
Completed Date: 01/04/2013
Comments: Not reported

Completed Area Name: Baker Cold Storage
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/15/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/19/2014
Comments: Not reported

Completed Area Name: Baker Cold Storage
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 06/28/2017
Comments: Not reported

Future Area Name: Baker Cold Storage
Future Sub Area Name: Not reported
Future Document Type: 5 Year Review Reports
Future Due Date: 2023
Future Area Name: Baker Cold Storage
Future Sub Area Name: Not reported
Future Document Type: Operations and Maintenance Report
Future Due Date: 2020
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Operations and Maintenance Report
Schedule Due Date: 03/13/2020
Schedule Revised Date: Not reported
Schedule Area Name: Baker Cold Storage
Schedule Sub Area Name: Not reported
Schedule Document Type: Land Use Restriction
Schedule Due Date: 12/01/2019
Schedule Revised Date: Not reported
Schedule Area Name: Baker Cold Storage
Schedule Sub Area Name: Not reported
Schedule Document Type: Certification
Schedule Due Date: 03/29/2020
Schedule Revised Date: Not reported

EMI:

Name: J. H. BAXTER & CO
Address: 1710 PIER B AVE
City,State,Zip: LONG BEACH, CA 90802
Year: 1996
County Code: 19
Air Basin: SC
Facility ID: 18821
Air District Name: SC
SIC Code: 2491

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1710 PIER B STREET (Continued)

S105938210

Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 1
NOX - Oxides of Nitrogen Tons/Yr: 2
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr: 0

NPDES:

Name: 1710 PIER B STREET
Address: 1710 PIER B STREET
City,State,Zip: LONG BEACH, CA 90813
Facility Status: Not reported
NPDES Number: Not reported
Region: Not reported
Agency Number: Not reported
Regulatory Measure ID: Not reported
Place ID: Not reported
Order Number: Not reported
WDID: 4 19C368508
Regulatory Measure Type: Construction
Program Type: Not reported
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported
Expiration Date Of Regulatory Measure: Not reported
Discharge Address: Not reported
Discharge Name: Not reported
Discharge City: Not reported
Discharge State: Not reported
Discharge Zip: Not reported
Status: Terminated
Status Date: 11/02/2017
Operator Name: Baker Commodities Incorporated
Operator Address: 4020 Bandini Blvd
Operator City: Vernon
Operator State: California
Operator Zip: 90058

NPDES as of 03/2018:

NPDES Number: CAS000002
Status: Terminated
Agency Number: 0
Region: 4
Regulatory Measure ID: 443261
Order Number: 2009-0009-DWQ
Regulatory Measure Type: Enrollee
Place ID: Not reported
WDID: 4 19C368508
Program Type: Construction
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: 12/17/2013
Expiration Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: 04/20/2017

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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

1710 PIER B STREET (Continued)

S105938210

Discharge Name:	Baker Commodities Incorporated
Discharge Address:	4020 Bandini Blvd
Discharge City:	Vernon
Discharge State:	California
Discharge Zip:	90058
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commercial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported

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1710 PIER B STREET (Continued)

S105938210

Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	4
Regulatory Measure ID:	443261
Order Number:	Not reported
Regulatory Measure Type:	Construction
Place ID:	Not reported
WDID:	4 19C368508
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	12/11/2013
Processed Date:	12/17/2013
Status:	Active
Status Date:	05/09/2017
Place Size:	12.9
Place Size Unit:	Acres
Contact:	Gary Guesman
Contact Title:	Not reported
Contact Phone:	714-566-9090
Contact Phone Ext:	Not reported
Contact Email:	gguesman@controlledenvironments.com
Operator Name:	Baker Commodities Incorporated
Operator Address:	4020 Bandini Blvd
Operator City:	Vernon
Operator State:	California
Operator Zip:	90058
Operator Contact:	Gary Guesman
Operator Contact Title:	Not reported
Operator Contact Phone:	714-566-9090
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	gguesman@controlledenvironments.com
Operator Type:	Private Business
Developer:	Baker Commodities Incorporated
Developer Address:	4020 Bandini Blvd
Developer City:	Vernon
Developer State:	California
Developer Zip:	90058
Developer Contact:	Gary Guesman
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	N
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	N

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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

1710 PIER B STREET (Continued)

S105938210

Constype Below Ground Ind: N
Constype Cable Line Ind: N
Constype Comm Line Ind: N
Constype Commercial Ind: Y
Constype Electrical Line Ind: N
Constype Gas Line Ind: N
Constype Industrial Ind: N
Constype Other Description: Not reported
Constype Other Ind: N
Constype Recons Ind: N
Constype Residential Ind: N
Constype Transport Ind: N
Constype Utility Description: Not reported
Constype Utility Ind: N
Constype Water Sewer Ind: N
Dir Discharge Uswater Ind: N
Receiving Water Name: San Pedro Bay, Pacific Ocean
Certifier: Gary Guesman
Certifier Title: Owners Agent
Certification Date: 11-DEC-13
Primary Sic: Not reported
Secondary Sic: Not reported
Tertiary Sic: Not reported

Name: 1710 PIER B STREET
Address: 1710 PIER B STREET
City,State,Zip: LONG BEACH, CA 90813
Facility Status: Terminated
NPDES Number: CAS000002
Region: 4
Agency Number: 0
Regulatory Measure ID: 443261
Place ID: Not reported
Order Number: 2009-0009-DWQ
WDID: 4 19C368508
Regulatory Measure Type: Enrollee
Program Type: Construction
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: 12/17/2013
Termination Date Of Regulatory Measure: 04/20/2017
Expiration Date Of Regulatory Measure: Not reported
Discharge Address: 4020 Bandini Blvd
Discharge Name: Baker Commodities Incorporated
Discharge City: Vernon
Discharge State: California
Discharge Zip: 90058
Status: Not reported
Status Date: Not reported
Operator Name: Not reported
Operator Address: Not reported
Operator City: Not reported
Operator State: Not reported
Operator Zip: Not reported

NPDES as of 03/2018:
NPDES Number: CAS000002
Status: Terminated

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Database(s)

EDR ID Number
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1710 PIER B STREET (Continued)

S105938210

Agency Number: 0
Region: 4
Regulatory Measure ID: 443261
Order Number: 2009-0009-DWQ
Regulatory Measure Type: Enrollee
Place ID: Not reported
WDID: 4 19C368508
Program Type: Construction
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: 12/17/2013
Expiration Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: 04/20/2017
Discharge Name: Baker Commodities Incorporated
Discharge Address: 4020 Bandini Blvd
Discharge City: Vernon
Discharge State: California
Discharge Zip: 90058
Received Date: Not reported
Processed Date: Not reported
Status: Not reported
Status Date: Not reported
Place Size: Not reported
Place Size Unit: Not reported
Contact: Not reported
Contact Title: Not reported
Contact Phone: Not reported
Contact Phone Ext: Not reported
Contact Email: Not reported
Operator Name: Not reported
Operator Address: Not reported
Operator City: Not reported
Operator State: Not reported
Operator Zip: Not reported
Operator Contact: Not reported
Operator Contact Title: Not reported
Operator Contact Phone: Not reported
Operator Contact Phone Ext: Not reported
Operator Contact Email: Not reported
Operator Type: Not reported
Developer: Not reported
Developer Address: Not reported
Developer City: Not reported
Developer State: Not reported
Developer Zip: Not reported
Developer Contact: Not reported
Developer Contact Title: Not reported
Constype Linear Utility Ind: Not reported
Emergency Phone: Not reported
Emergency Phone Ext: Not reported
Constype Above Ground Ind: Not reported
Constype Below Ground Ind: Not reported
Constype Cable Line Ind: Not reported
Constype Comm Line Ind: Not reported
Constype Commercial Ind: Not reported
Constype Electrical Line Ind: Not reported
Constype Gas Line Ind: Not reported
Constype Industrial Ind: Not reported

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1710 PIER B STREET (Continued)

S105938210

Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	4
Regulatory Measure ID:	443261
Order Number:	Not reported
Regulatory Measure Type:	Construction
Place ID:	Not reported
WDID:	4 19C368508
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	12/11/2013
Processed Date:	12/17/2013
Status:	Active
Status Date:	05/09/2017
Place Size:	12.9
Place Size Unit:	Acres
Contact:	Gary Guesman
Contact Title:	Not reported
Contact Phone:	714-566-9090
Contact Phone Ext:	Not reported
Contact Email:	gguesman@controlledenvironments.com
Operator Name:	Baker Commodities Incorporated
Operator Address:	4020 Bandini Blvd
Operator City:	Vernon
Operator State:	California
Operator Zip:	90058
Operator Contact:	Gary Guesman
Operator Contact Title:	Not reported
Operator Contact Phone:	714-566-9090
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	gguesman@controlledenvironments.com

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1710 PIER B STREET (Continued)

S105938210

Operator Type:	Private Business
Developer:	Baker Commodities Incorporated
Developer Address:	4020 Bandini Blvd
Developer City:	Vernon
Developer State:	California
Developer Zip:	90058
Developer Contact:	Gary Guesman
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	N
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	N
Constype Below Ground Ind:	N
Constype Cable Line Ind:	N
Constype Comm Line Ind:	N
Constype Commercial Ind:	Y
Constype Electrical Line Ind:	N
Constype Gas Line Ind:	N
Constype Industrial Ind:	N
Constype Other Description:	Not reported
Constype Other Ind:	N
Constype Recons Ind:	N
Constype Residential Ind:	N
Constype Transport Ind:	N
Constype Utility Description:	Not reported
Constype Utility Ind:	N
Constype Water Sewer Ind:	N
Dir Discharge Uswater Ind:	N
Receiving Water Name:	San Pedro Bay, Pacific Ocean
Certifier:	Gary Guesman
Certifier Title:	Owners Agent
Certification Date:	11-DEC-13
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

CIWQS:

Name:	CEMERA LONG BEACH
Address:	1710 PIER B ST
City,State,Zip:	LONG BEACH, CA 90813
Agency:	Cemera Long Beach LLC
Agency Address:	700 Wright Ave, Richmond, CA 94804
Place/Project Type:	Industrial - Wood Preserving
SIC/NAICS:	2491
Region:	4
Program:	INDSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	4 19I021826
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	09/25/2008
Termination Date:	04/18/2013
Expiration/Review Date:	Not reported
Design Flow:	Not reported

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1710 PIER B STREET (Continued)

S105938210

Major/Minor: Not reported
Complexity: Not reported
TTWQ: Not reported
Enforcement Actions within 5 years: 0
Violations within 5 years: 0
Latitude: 33.78049
Longitude: -118.21827

Name: 1710 PIER B STREET
Address: 1710 PIER B STREET
City,State,Zip: LONG BEACH, CA 90813
Agency: Baker Commodities Incorporated
Agency Address: 4020 Bandini Blvd, Vernon, CA 90058
Place/Project Type: Construction - Commercial
SIC/NAICS: Not reported
Region: 4
Program: CONSTW
Regulatory Measure Status: Terminated
Regulatory Measure Type: Storm water construction
Order Number: 2009-0009-DWQ
WDID: 4 19C368508
NPDES Number: CAS000002
Adoption Date: Not reported
Effective Date: 12/17/2013
Termination Date: 04/20/2017
Expiration/Review Date: Not reported
Design Flow: Not reported
Major/Minor: Not reported
Complexity: Not reported
TTWQ: Not reported
Enforcement Actions within 5 years: 2
Violations within 5 years: 2
Latitude: 33.77749
Longitude: -118.21665

210
ENE
1/2-1
0.806 mi.
4257 ft.

LAS VENTANAS
1795 LONG BEACH BLVD
LONG BEACH, CA 90813

CA ENVIROSTOR
CA VCP
CA NPDES

S121475156
N/A

Relative:
Higher
Actual:
28 ft.

ENVIROSTOR:
Name: 1795 LONG BEACH BOULEVARD
Address: 1795 LONG BEACH BOULEVARD
City,State,Zip: LONG BEACH, CA 90813
Facility ID: 60002588
Status: Active
Status Date: 12/13/2017
Site Code: 401803
Site Type: Voluntary Cleanup
Site Type Detailed: Voluntary Cleanup
Acres: 1
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Angela Turner
Supervisor: Emad Yemut
Division Branch: Southern California Schools & Brownfields Outreach

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LAS VENTANAS (Continued)

S121475156

Assembly: , 70
Senate: , 33
Special Program: Voluntary Cleanup Program
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Responsible Party
Latitude: 33.78962
Longitude: -118.1898
APN: 7269-019-044
Past Use: DRY CLEANING
Potential COC: Tetrachloroethylene (PCE)
Confirmed COC: Tetrachloroethylene (PCE)
Potential Description: OTH, SED, SV
Alias Name: 7269-019-044
Alias Type: APN
Alias Name: 401803
Alias Type: Project Code (Site Code)
Alias Name: 60002588
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 02/07/2018
Comments: A Scoping Meeting was held between DTSC, Rincon and AMCAL. Based on the review of Phase documents submitted to DTSC, further action is required for the site. consultant has been asked to submit a PEA workplan for further investigation.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 07/26/2018
Comments: PEA workplan was approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Community Profile
Completed Date: 07/10/2018
Comments: Community survey was sent out with a cover letter.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 11/21/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 08/30/2018
Comments: PEA related field activities were implemented.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Community Profile
Completed Date: 10/30/2018

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LAS VENTANAS (Continued)

S121475156

Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pilot Study/Treatability Workplan
Completed Date: 09/25/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 11/06/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 11/06/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 12/21/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Soils Management Plan
Completed Date: 04/26/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 08/22/2019
Comments: field work completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 09/25/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pre-HARP Form
Completed Date: 09/21/2018
Comments: approved by IH

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Notice of Exemption
Completed Date: 01/16/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LAS VENTANAS (Continued)

S121475156

Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 01/17/2018
Comments: The VCA was executed by Branch Chief on 01/17/2018.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/14/2019
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

VCP:

Name: 1795 LONG BEACH BOULEVARD
Address: 1795 LONG BEACH BOULEVARD
City,State,Zip: LONG BEACH, CA 90813
Facility ID: 60002588
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Cleanup
Site Mgmt. Req.: NONE SPECIFIED
Acres: 1
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Angela Turner
Supervisor: Emad Yemut
Division Branch: Southern California Schools & Brownfields Outreach
Site Code: 401803
Assembly: , 70
Senate: , 33
Special Programs Code: Voluntary Cleanup Program
Status: Active
Status Date: 12/13/2017
Restricted Use: NO
Funding: Responsible Party
Lat/Long: 33.78962 / -118.1898
APN: 7269-019-044
Past Use: DRY CLEANING
Potential COC: 30022
Confirmed COC: 30022
Potential Description: OTH, SED, SV
Alias Name: 7269-019-044
Alias Type: APN
Alias Name: 401803
Alias Type: Project Code (Site Code)
Alias Name: 60002588
Alias Type: Envirostor ID Number

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LAS VENTANAS (Continued)

S121475156

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 02/07/2018
Comments: A Scoping Meeting was held between DTSC, Rincon and AMCAL. Based on the review of Phase documents submitted to DTSC, further action is required for the site. consultant has been asked to submit a PEA workplan for further investigation.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 07/26/2018
Comments: PEA workplan was approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Community Profile
Completed Date: 07/10/2018
Comments: Community survey was sent out with a cover letter.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 11/21/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 08/30/2018
Comments: PEA related field activities were implemented.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Community Profile
Completed Date: 10/30/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pilot Study/Treatability Workplan
Completed Date: 09/25/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 11/06/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 11/06/2018
Comments: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LAS VENTANAS (Continued)

S121475156

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 12/21/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Soils Management Plan
Completed Date: 04/26/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 08/22/2019
Comments: field work completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 09/25/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pre-HARP Form
Completed Date: 09/21/2018
Comments: approved by IH

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Notice of Exemption
Completed Date: 01/16/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 01/17/2018
Comments: The VCA was executed by Branch Chief on 01/17/2018.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/14/2019
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LAS VENTANAS (Continued)

S121475156

NPDES:

Name: LAS VENTANAS
Address: 1795 LONG BEACH BLVD
City,State,Zip: LONG BEACH, CA 90813
Facility Status: Active
NPDES Number: CAS000002
Region: 4
Agency Number: 0
Regulatory Measure ID: 503050
Place ID: Not reported
Order Number: 2009-0009-DWQ
WDID: 4 19C385191
Regulatory Measure Type: Enrollee
Program Type: Construction
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: 11/09/2018
Termination Date Of Regulatory Measure: Not reported
Expiration Date Of Regulatory Measure: Not reported
Discharge Address: 30141 Agoura Road
Discharge Name: AMCAL MultiHousing Inc
Discharge City: Agoura Hills
Discharge State: California
Discharge Zip: 91301
Status: Not reported
Status Date: Not reported
Operator Name: Not reported
Operator Address: Not reported
Operator City: Not reported
Operator State: Not reported
Operator Zip: Not reported

Name: LAS VENTANAS
Address: 1795 LONG BEACH BLVD
City,State,Zip: LONG BEACH, CA 90813
Facility Status: Not reported
NPDES Number: Not reported
Region: Not reported
Agency Number: Not reported
Regulatory Measure ID: Not reported
Place ID: Not reported
Order Number: Not reported
WDID: 4 19C385191
Regulatory Measure Type: Construction
Program Type: Not reported
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported
Expiration Date Of Regulatory Measure: Not reported
Discharge Address: Not reported
Discharge Name: Not reported
Discharge City: Not reported
Discharge State: Not reported
Discharge Zip: Not reported
Status: Active
Status Date: 11/09/2018
Operator Name: AMCAL MultiHousing Inc
Operator Address: 30141 Agoura Road

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LAS VENTANAS (Continued)

S121475156

Operator City: Agoura Hills
Operator State: California
Operator Zip: 91301

**211
NW
1/2-1
0.866 mi.
4573 ft.**

**LBUSD-CABRILLO HIGH SCHOOL
2001 SANTA FE AVE
LONG BEACH, CA 90810**

**CA ENVIROSTOR
CA SCH
RCRA NonGen / NLR
FINDS
CA NPDES
CA CIWQS**

**1001815708
CAR000059469**

**Relative:
Higher**

**Actual:
14 ft.**

ENVIROSTOR:

Name: JUAN RODRIGUEZ CABRILLO HIGH SCHOOL
Address: 2001 SANTA FE AVENUE
City,State,Zip: LONG BEACH, CA 90810
Facility ID: 19010025
Status: No Further Action
Status Date: 11/13/2001
Site Code: 404279
Site Type: School Investigation
Site Type Detailed: School
Acres: 40
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Not reported
Supervisor: Mark Malinowski
Division Branch: Southern California Schools & Brownfields Outreach
Assembly: 70
Senate: 33
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: School District
Latitude: 33.79299
Longitude: -118.2145
APN: NONE SPECIFIED
Past Use: AGRICULTURAL - ROW CROPS
Potential COC: Arsenic DDD DDE DDT Lead
Confirmed COC: NONE SPECIFIED
Potential Description: SOIL
Alias Name: JUAN RODRIGUEZ CABRILLO HIGH SCH00L
Alias Type: Alternate Name
Alias Name: LONG BEACH UNIFIED SCHOOL DISTRICT
Alias Type: Alternate Name
Alias Name: LONG BEACH USD-CABRILLO HIGH/CDE
Alias Type: Alternate Name
Alias Name: LONG BEACH USD-J RODRIGUEZ CABRILLO HS
Alias Type: Alternate Name
Alias Name: 404058
Alias Type: Project Code (Site Code)
Alias Name: 404279
Alias Type: Project Code (Site Code)
Alias Name: 19010025
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LBUSD-CABRILLO HIGH SCHOOL (Continued)

1001815708

Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 11/13/2001
Comments: DTSC approved the Preliminary Endangerment Assessment (PEA). Based on the information presented in the PEA, neither an actual a potential release of hazardous material, nor the presence of naturally occurring hazardous material indicated at the site pose threat to human health or the environment under any land use. Therefore, DTSC concurred that no further environmental investigation or cleanup was required at this site, and approved the PEA.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 04/04/2000
Comments: Phase 1 - Pursuant to an agreement between the Department of Toxic Substances Control (DTSC) and the California Department of Education, DTSC's Site Mitigation Program completed a review of a Phase 1 Environmental Assessment and has determined that a Preliminary Endangerment Assessment is required. The PEA will be Conducted under DTSC's oversight pursuant to agreements between DTSC and the pertinent school district. Any subsequent cleanup Activities (if needed) after the PEA would be conducted pursuant to agreements between DTSC and the School District.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 11/01/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 04/22/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 04/04/2002
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SCH:

Name: JUAN RODRIGUEZ CABRILLO HIGH SCHOOL
Address: 2001 SANTA FE AVENUE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LBUSD-CABRILLO HIGH SCHOOL (Continued)

1001815708

City,State,Zip: LONG BEACH, CA 90810
Facility ID: 19010025
Site Type: School Investigation
Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED
Acres: 40
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Not reported
Supervisor: Mark Malinowski
Division Branch: Southern California Schools & Brownfields Outreach
Site Code: 404279
Assembly: 70
Senate: 33
Special Program Status: Not reported
Status: No Further Action
Status Date: 11/13/2001
Restricted Use: NO
Funding: School District
Latitude: 33.79299
Longitude: -118.2145
APN: NONE SPECIFIED
Past Use: AGRICULTURAL - ROW CROPS
Potential COC: Arsenic, DDD, DDE, DDT, Lead
Confirmed COC: NONE SPECIFIED
Potential Description: SOIL
Alias Name: JUAN RODRIGUEZ CABRILLO HIGH SCH00L
Alias Type: Alternate Name
Alias Name: LONG BEACH UNIFIED SCHOOL DISTRICT
Alias Type: Alternate Name
Alias Name: LONG BEACH USD-CABRILLO HIGH/CDE
Alias Type: Alternate Name
Alias Name: LONG BEACH USD-J RODRIGUEZ CABRILLO HS
Alias Type: Alternate Name
Alias Name: 404058
Alias Type: Project Code (Site Code)
Alias Name: 404279
Alias Type: Project Code (Site Code)
Alias Name: 19010025
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 11/13/2001
Comments: DTSC approved the Preliminary Endangerment Assessment (PEA). Based on the information presented in the PEA, neither an actual a potential release of hazardous material, nor the presence of naturally occurring hazardous material indicated at the site pose threat to human health or the environment under any land use. Therefore, DTSC concurred that no further environmental investigation or cleanup was required at this site, and approved the PEA.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LBUSD-CABRILLO HIGH SCHOOL (Continued)

1001815708

Completed Document Type: Phase 1
Completed Date: 04/04/2000
Comments: Phase 1 - Pursuant to an agreement between the Department of Toxic Substances Control (DTSC) and the California Department of Education, DTSC's Site Mitigation Program completed a review of a Phase 1 Environmental Assessment and has determined that a Preliminary Endangerment Assessment is required. The PEA will be Conducted under DTSC's oversight pursuant to agreements between DTSC and the pertinent school district. Any subsequent cleanup Activities (if needed) after the PEA would be conducted pursuant to agreements between DTSC and the School District.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 11/01/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 04/22/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 04/04/2002
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

RCRA NonGen / NLR:

Date form received by agency: 1999-12-28 00:00:00.0
Facility name: LBUSD-CABRILLO HIGH SCHOOL
Facility address: 2001 SANTA FE AVE
LONG BEACH, CA 90810-4068
EPA ID: CAR000059469
Mailing address: 2425 WEBSTER AVE
LONG BEACH, CA 90810-0000
Contact: TIM DRESSENDORFER
Contact address: 2425 WEBSTER AVENUE
LONG BEACH, CA 90810
Contact country: Not reported
Contact telephone: 562-997-7508
Contact email: TDRESSENDORFER@LBSCHOOLS.NET
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LBUSD-CABRILLO HIGH SCHOOL (Continued)

1001815708

Owner/Operator Summary:

Owner/operator name: TIM DRESSENDORFER
Owner/operator address: 2425 WEBSTER AVENUE
LONG BEACH, CA 90810
Owner/operator country: Not reported
Owner/operator telephone: 562-997-7508
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: LONG BEACH UNIFIED SCHOOL DISTRICT
Owner/operator address: 1515 HUGHES WAY
LONG BEACH, CA 90810
Owner/operator country: Not reported
Owner/operator telephone: 562-997-8000
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: District
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: LONG BEACH USD
Owner/operator address: 1515 HUGHES WAY
LONG BEACH, CA 90810
Owner/operator country: Not reported
Owner/operator telephone: 562-997-8000
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. Importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: Yes
Transporter of hazardous waste: Yes
Treater, storer or disposer of HW: Yes
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LBUSD-CABRILLO HIGH SCHOOL (Continued)

1001815708

Historical Generators:

Date form received by agency: 1999-11-22 00:00:00.0
Site name: LBUSD CABRILLO
Classification: Small Quantity Generator

Hazardous Waste Summary:

. Waste code: D000
. Waste name: Not Defined

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

Violation Status: No violations found

FINDS:

Registry ID: 110002931150
Facility URL: http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110002931150

Environmental Interest/Information System:

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

NPDES:

Name: CABRILLO HIGH SCHOOL
Address: 2001 SANTA FE AVE.
City,State,Zip: LONG BEACH, CA 90810
Facility Status: Not reported
NPDES Number: Not reported
Region: Not reported
Agency Number: Not reported
Regulatory Measure ID: Not reported
Place ID: Not reported
Order Number: Not reported
WDID: 4 19C380246
Regulatory Measure Type: Construction
Program Type: Not reported
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LBUSD-CABRILLO HIGH SCHOOL (Continued)

1001815708

Expiration Date Of Regulatory Measure: Not reported
Discharge Address: Not reported
Discharge Name: Not reported
Discharge City: Not reported
Discharge State: Not reported
Discharge Zip: Not reported
Status: Terminated
Status Date: 02/26/2018
Operator Name: Long Beach Unified School District
Operator Address: 2425 Webster Avenue
Operator City: Long Beach
Operator State: California
Operator Zip: 90810

NPDES as of 03/2018:

NPDES Number: Not reported
Status: Not reported
Agency Number: Not reported
Region: 4
Regulatory Measure ID: 486891
Order Number: Not reported
Regulatory Measure Type: Construction
Place ID: Not reported
WDID: 4 19C380246
Program Type: Not reported
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: Not reported
Expiration Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported
Discharge Name: Not reported
Discharge Address: Not reported
Discharge City: Not reported
Discharge State: Not reported
Discharge Zip: Not reported
Received Date: 06/13/2017
Processed Date: 06/26/2017
Status: Active
Status Date: 06/26/2017
Place Size: 39
Place Size Unit: Acres
Contact: Les Leahy
Contact Title: Business Services Administrator
Contact Phone: 562-997-7550
Contact Phone Ext: Not reported
Contact Email: lleahy@lbschools.net
Operator Name: Long Beach Unified School District
Operator Address: 2425 Webster Avenue
Operator City: Long Beach
Operator State: California
Operator Zip: 90810
Operator Contact: Les Leahy
Operator Contact Title: Business Services Administrator
Operator Contact Phone: 562-997-7550
Operator Contact Phone Ext: Not reported
Operator Contact Email: lleahy@lbschools.net
Operator Type: Special District
Developer: Long Beach Unified School District
Developer Address: 2425 Webster Avenue

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LBUSD-CABRILLO HIGH SCHOOL (Continued)

1001815708

Developer City:	Long Beach
Developer State:	California
Developer Zip:	90810
Developer Contact:	Les Leahy
Developer Contact Title:	Business Services Administrator
Constype Linear Utility Ind:	N
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	N
Constype Below Ground Ind:	N
Constype Cable Line Ind:	N
Constype Comm Line Ind:	N
Constype Commercial Ind:	N
Constype Electrical Line Ind:	N
Constype Gas Line Ind:	N
Constype Industrial Ind:	N
Constype Other Description:	High School - Track and Field Replacement
Constype Other Ind:	N
Constype Recons Ind:	N
Constype Residential Ind:	N
Constype Transport Ind:	N
Constype Utility Description:	Not reported
Constype Utility Ind:	N
Constype Water Sewer Ind:	N
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Dominguez Channel Estuary
Certifier:	Alan Reising
Certifier Title:	Business Services Administrator
Certification Date:	15-JUN-17
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	CAS000002
Status:	Terminated
Agency Number:	0
Region:	4
Regulatory Measure ID:	486891
Order Number:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	4 19C380246
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	06/26/2017
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	11/20/2017
Discharge Name:	Long Beach Unified School District
Discharge Address:	2425 Webster Avenue
Discharge City:	Long Beach
Discharge State:	California
Discharge Zip:	90810
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LBUSD-CABRILLO HIGH SCHOOL (Continued)

1001815708

Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commercial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

Name:	CABRILLO HIGH SCHOOL
Address:	2001 SANTA FE AVE.
City,State,Zip:	LONG BEACH, CA 90810
Facility Status:	Terminated

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LBUSD-CABRILLO HIGH SCHOOL (Continued)

1001815708

NPDES Number: CAS000002
Region: 4
Agency Number: 0
Regulatory Measure ID: 486891
Place ID: Not reported
Order Number: 2009-0009-DWQ
WDID: 4 19C380246
Regulatory Measure Type: Enrollee
Program Type: Construction
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: 06/26/2017
Termination Date Of Regulatory Measure: 11/20/2017
Expiration Date Of Regulatory Measure: Not reported
Discharge Address: 2425 Webster Avenue
Discharge Name: Long Beach Unified School District
Discharge City: Long Beach
Discharge State: California
Discharge Zip: 90810
Status: Not reported
Status Date: Not reported
Operator Name: Not reported
Operator Address: Not reported
Operator City: Not reported
Operator State: Not reported
Operator Zip: Not reported

NPDES as of 03/2018:

NPDES Number: Not reported
Status: Not reported
Agency Number: Not reported
Region: 4
Regulatory Measure ID: 486891
Order Number: Not reported
Regulatory Measure Type: Construction
Place ID: Not reported
WDID: 4 19C380246
Program Type: Not reported
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: Not reported
Expiration Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported
Discharge Name: Not reported
Discharge Address: Not reported
Discharge City: Not reported
Discharge State: Not reported
Discharge Zip: Not reported
Received Date: 06/13/2017
Processed Date: 06/26/2017
Status: Active
Status Date: 06/26/2017
Place Size: 39
Place Size Unit: Acres
Contact: Les Leahy
Contact Title: Business Services Administrator
Contact Phone: 562-997-7550
Contact Phone Ext: Not reported
Contact Email: lleahy@lbschools.net
Operator Name: Long Beach Unified School District

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LBUSD-CABRILLO HIGH SCHOOL (Continued)

1001815708

Operator Address:	2425 Webster Avenue
Operator City:	Long Beach
Operator State:	California
Operator Zip:	90810
Operator Contact:	Les Leahy
Operator Contact Title:	Business Services Administrator
Operator Contact Phone:	562-997-7550
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	lleahy@lbschools.net
Operator Type:	Special District
Developer:	Long Beach Unified School District
Developer Address:	2425 Webster Avenue
Developer City:	Long Beach
Developer State:	California
Developer Zip:	90810
Developer Contact:	Les Leahy
Developer Contact Title:	Business Services Administrator
Constype Linear Utility Ind:	N
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	N
Constype Below Ground Ind:	N
Constype Cable Line Ind:	N
Constype Comm Line Ind:	N
Constype Commercial Ind:	N
Constype Electrical Line Ind:	N
Constype Gas Line Ind:	N
Constype Industrial Ind:	N
Constype Other Description:	High School - Track and Field Replacement
Constype Other Ind:	N
Constype Recons Ind:	N
Constype Residential Ind:	N
Constype Transport Ind:	N
Constype Utility Description:	Not reported
Constype Utility Ind:	N
Constype Water Sewer Ind:	N
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Dominguez Channel Estuary
Certifier:	Alan Reising
Certifier Title:	Business Services Administrator
Certification Date:	15-JUN-17
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	CAS000002
Status:	Terminated
Agency Number:	0
Region:	4
Regulatory Measure ID:	486891
Order Number:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	4 19C380246
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	06/26/2017

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LBUSD-CABRILLO HIGH SCHOOL (Continued)

1001815708

Expiration Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: 11/20/2017
Discharge Name: Long Beach Unified School District
Discharge Address: 2425 Webster Avenue
Discharge City: Long Beach
Discharge State: California
Discharge Zip: 90810
Received Date: Not reported
Processed Date: Not reported
Status: Not reported
Status Date: Not reported
Place Size: Not reported
Place Size Unit: Not reported
Contact: Not reported
Contact Title: Not reported
Contact Phone: Not reported
Contact Phone Ext: Not reported
Contact Email: Not reported
Operator Name: Not reported
Operator Address: Not reported
Operator City: Not reported
Operator State: Not reported
Operator Zip: Not reported
Operator Contact: Not reported
Operator Contact Title: Not reported
Operator Contact Phone: Not reported
Operator Contact Phone Ext: Not reported
Operator Contact Email: Not reported
Operator Type: Not reported
Developer: Not reported
Developer Address: Not reported
Developer City: Not reported
Developer State: Not reported
Developer Zip: Not reported
Developer Contact: Not reported
Developer Contact Title: Not reported
Constype Linear Utility Ind: Not reported
Emergency Phone: Not reported
Emergency Phone Ext: Not reported
Constype Above Ground Ind: Not reported
Constype Below Ground Ind: Not reported
Constype Cable Line Ind: Not reported
Constype Comm Line Ind: Not reported
Constype Commercial Ind: Not reported
Constype Electrical Line Ind: Not reported
Constype Gas Line Ind: Not reported
Constype Industrial Ind: Not reported
Constype Other Description: Not reported
Constype Other Ind: Not reported
Constype Recons Ind: Not reported
Constype Residential Ind: Not reported
Constype Transport Ind: Not reported
Constype Utility Description: Not reported
Constype Utility Ind: Not reported
Constype Water Sewer Ind: Not reported
Dir Discharge Uswater Ind: Not reported
Receiving Water Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LBUSD-CABRILLO HIGH SCHOOL (Continued)

1001815708

Certifier: Not reported
Certifier Title: Not reported
Certification Date: Not reported
Primary Sic: Not reported
Secondary Sic: Not reported
Tertiary Sic: Not reported

CIWQS:

Name: CABRILLO HIGH SCHOOL
Address: 2001 SANTA FE AVE.
City,State,Zip: LONG BEACH, CA 90810
Agency: Long Beach Unified School District
Agency Address: 2425 Webster Avenue, Long Beach, CA 90810
Place/Project Type: Construction
SIC/NAICS: Not reported
Region: 4
Program: CONSTW
Regulatory Measure Status: Terminated
Regulatory Measure Type: Storm water construction
Order Number: 2009-0009-DWQ
WDID: 4 19C380246
NPDES Number: CAS000002
Adoption Date: Not reported
Effective Date: 06/26/2017
Termination Date: 11/20/2017
Expiration/Review Date: Not reported
Design Flow: Not reported
Major/Minor: Not reported
Complexity: Not reported
TTWQ: Not reported
Enforcement Actions within 5 years: 0
Violations within 5 years: 0
Latitude: 33.79409
Longitude: -118.21596

Name: CABRILLO HIGH SCHOOL 40M POOL
Address: 2001 SANTA FE AVENUE
City,State,Zip: LONG BEACH, CA 90810
Agency: Long Beach Unified School District
Agency Address: 2425 Webster Avenue, Long Beach, CA 90810
Place/Project Type: Construction - Reconstruction
SIC/NAICS: Not reported
Region: 4
Program: CONSTW
Regulatory Measure Status: Terminated
Regulatory Measure Type: Storm water construction
Order Number: 2009-0009-DWQ
WDID: 4 19C364444
NPDES Number: CAS000002
Adoption Date: Not reported
Effective Date: 08/24/2012
Termination Date: 01/06/2014
Expiration/Review Date: Not reported
Design Flow: Not reported
Major/Minor: Not reported
Complexity: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LBUSD-CABRILLO HIGH SCHOOL (Continued)

1001815708

TTWQ: Not reported
Enforcement Actions within 5 years: 0
Violations within 5 years: 0
Latitude: 33.79351
Longitude: -118.21552

212
ESE
1/2-1
0.867 mi.
4578 ft.

Relative:
Higher

Actual:
39 ft.

LONG BEACH UNIFIED SCHOOL DISTRICT / RENAISSANCE H
235 E 8TH STREET
LONG BEACH, CA 90813

CA ENVIROSTOR
CA SCH
CA EMI
CA HAZNET
CA NPDES
CA CIWQS
CA CERS
CA HWTS

S106834677
N/A

ENVIROSTOR:

Name: RENAISSANCE HIGH SCHOOL FOR THE ARTS
Address: 235 EAST 8TH STREET
City,State,Zip: LONG BEACH, CA 90813
Facility ID: 60002434
Status: No Further Action
Status Date: 11/09/2017
Site Code: 404938
Site Type: School Investigation
Site Type Detailed: School
Acres: 3.44
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Not reported
Supervisor: Shahir Haddad
Division Branch: Southern California Schools & Brownfields Outreach
Assembly: , 70
Senate: , 33
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: School District
Latitude: 33.77682
Longitude: -118.1904
APN: 7273-016-091
Past Use: SCHOOL - HIGH SCHOOL
Potential COC: Under Investigation
Confirmed COC: NONE SPECIFIED
Potential Description: UE
Alias Name: 7273-016-091
Alias Type: APN
Alias Name: 404938
Alias Type: Project Code (Site Code)
Alias Name: 60002434
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: Areas, A, B, and C
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 03/21/2017
Comments: Further action required to delineate the VOCs

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LONG BEACH UNIFIED SCHOOL DISTRICT / RENAISSANCE HS (Continued)

S106834677

Completed Area Name: Areas, A, B, and C
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Workplan
Completed Date: 04/03/2017
Comments: DTSC approved the SSI TM

Completed Area Name: Areas, A, B, and C
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 11/08/2017
Comments: DTSC approved the SSI with a No Further Action determination

Completed Area Name: Areas, A, B, and C
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 08/21/2017
Comments: DTSC conducted field oversight of soil gas sampling

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 10/20/2016
Comments: This Site is included in the List of Sites, Exhibit A, of the Master VCA for Long Beach USD.

Completed Area Name: Areas, A, B, and C
Completed Sub Area Name: Not reported
Completed Document Type: Pre-HARP Form
Completed Date: 08/17/2017
Comments: Not reported

Completed Area Name: Areas, A, B, and C
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 12/22/2016
Comments: DTSC prepared an annual oversight cost estimate for the 2016-2017 FY

Completed Area Name: Areas, A, B, and C
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 08/31/2017
Comments: Annual Cost Estimate letter sent 08/31/17.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SCH:

Name: RENAISSANCE HIGH SCHOOL FOR THE ARTS
Address: 235 EAST 8TH STREET

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LONG BEACH UNIFIED SCHOOL DISTRICT / RENAISSANCE HS (Continued)

S106834677

City,State,Zip: LONG BEACH, CA 90813
Facility ID: 60002434
Site Type: School Investigation
Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED
Acres: 3.44
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Not reported
Supervisor: Shahir Haddad
Division Branch: Southern California Schools & Brownfields Outreach
Site Code: 404938
Assembly: , 70
Senate: , 33
Special Program Status: Not reported
Status: No Further Action
Status Date: 11/09/2017
Restricted Use: NO
Funding: School District
Latitude: 33.77682
Longitude: -118.1904
APN: 7273-016-091
Past Use: SCHOOL - HIGH SCHOOL
Potential COC: Under Investigation
Confirmed COC: NONE SPECIFIED
Potential Description: UE
Alias Name: 7273-016-091
Alias Type: APN
Alias Name: 404938
Alias Type: Project Code (Site Code)
Alias Name: 60002434
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: Areas, A, B, and C
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 03/21/2017
Comments: Further action required to delineate the VOCs

Completed Area Name: Areas, A, B, and C
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Workplan
Completed Date: 04/03/2017
Comments: DTSC approved the SSI TM

Completed Area Name: Areas, A, B, and C
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 11/08/2017
Comments: DTSC approved the SSI with a No Further Action determination

Completed Area Name: Areas, A, B, and C
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 08/21/2017

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LONG BEACH UNIFIED SCHOOL DISTRICT / RENAISSANCE HS (Continued)

S106834677

Comments: DTSC conducted field oversight of soil gas sampling

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 10/20/2016
Comments: This Site is included in the List of Sites, Exhibit A, of the Master VCA for Long Beach USD.

Completed Area Name: Areas, A, B, and C
Completed Sub Area Name: Not reported
Completed Document Type: Pre-HARP Form
Completed Date: 08/17/2017
Comments: Not reported

Completed Area Name: Areas, A, B, and C
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 12/22/2016
Comments: DTSC prepared an annual oversight cost estimate for the 2016-2017 FY

Completed Area Name: Areas, A, B, and C
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 08/31/2017
Comments: Annual Cost Estimate letter sent 08/31/17.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

EMI:

Name: LONG BEACH UNI SCH DIST/REID H
Address: 235 E 8TH ST
City,State,Zip: LONG BEACH, CA 90813
Year: 1990
County Code: 19
Air Basin: SC
Facility ID: 71080
Air District Name: SC
SIC Code: 8211
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr: 0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LONG BEACH UNIFIED SCHOOL DISTRICT / RENAISSANCE HS (Continued)

S106834677

HAZNET:

Name: LONG BEACH UNIFIED SCHOOL DISTRICT / RENAISSANCE HS
Address: 235 E 8TH STREET
Address 2: Not reported
City,State,Zip: LONG BEACH, CA 90813
Contact: DORI ARBOUR
Telephone: 5629977550
Mailing Name: Not reported
Mailing Address: 2425 WEBSTER AVENUE

Year: 2016
Gepaid: CAC002879334
TSD EPA ID: NVT330010000
CA Waste Code: 181 - Other inorganic solid waste
Disposal Method: H132 - Landfill Or Surface Impoundment That Will Be Closed As
Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 3.85

NPDES:

Name: RENAISSANCE HIGH SCHOOL FOR THE ARTS
Address: 235 EAST 8TH STREET
City,State,Zip: LONG BEACH, CA 90813
Facility Status: Terminated
NPDES Number: CAS000002
Region: 4
Agency Number: 0
Regulatory Measure ID: 471785
Place ID: Not reported
Order Number: 2009-0009-DWQ
WDID: 4 19C376806
Regulatory Measure Type: Enrollee
Program Type: Construction
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: 07/12/2016
Termination Date Of Regulatory Measure: 10/04/2018
Expiration Date Of Regulatory Measure: Not reported
Discharge Address: 2425 Webster Avenue
Discharge Name: Long Beach Unified School District
Discharge City: Long Beach
Discharge State: California
Discharge Zip: 90810
Status: Not reported
Status Date: Not reported
Operator Name: Not reported
Operator Address: Not reported
Operator City: Not reported
Operator State: Not reported
Operator Zip: Not reported

NPDES as of 03/2018:

NPDES Number: CAS000002
Status: Active
Agency Number: 0
Region: 4
Regulatory Measure ID: 471785
Order Number: 2009-0009-DWQ

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LONG BEACH UNIFIED SCHOOL DISTRICT / RENAISSANCE HS (Continued)

S106834677

Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	4 19C376806
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	07/12/2016
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Long Beach Unified School District
Discharge Address:	2425 Webster Avenue
Discharge City:	Long Beach
Discharge State:	California
Discharge Zip:	90810
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commercial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LONG BEACH UNIFIED SCHOOL DISTRICT / RENAISSANCE HS (Continued)

S106834677

Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	4
Regulatory Measure ID:	471785
Order Number:	Not reported
Regulatory Measure Type:	Construction
Place ID:	Not reported
WDID:	4 19C376806
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	06/29/2016
Processed Date:	07/12/2016
Status:	Active
Status Date:	07/12/2016
Place Size:	3.44
Place Size Unit:	Acres
Contact:	Les Leahy
Contact Title:	Business Services Administrator
Contact Phone:	562-997-7550
Contact Phone Ext:	Not reported
Contact Email:	lleahy@lbschools.net
Operator Name:	Long Beach Unified School District
Operator Address:	2425 Webster Avenue
Operator City:	Long Beach
Operator State:	California
Operator Zip:	90810
Operator Contact:	Les Leahy
Operator Contact Title:	Business Services Administrator
Operator Contact Phone:	562-997-7550
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	lleahy@lbschools.net
Operator Type:	Special District
Developer:	Long Beach Unified School District
Developer Address:	2425 Webster Avenue
Developer City:	Long Beach

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LONG BEACH UNIFIED SCHOOL DISTRICT / RENAISSANCE HS (Continued)

S106834677

Developer State: California
Developer Zip: 90810
Developer Contact: Les Leahy
Developer Contact Title: Business Services Administrator
Constype Linear Utility Ind: N
Emergency Phone: Not reported
Emergency Phone Ext: Not reported
Constype Above Ground Ind: N
Constype Below Ground Ind: N
Constype Cable Line Ind: N
Constype Comm Line Ind: N
Constype Commercial Ind: N
Constype Electrical Line Ind: N
Constype Gas Line Ind: N
Constype Industrial Ind: N
Constype Other Description: Public High School
Constype Other Ind: Y
Constype Recons Ind: N
Constype Residential Ind: N
Constype Transport Ind: N
Constype Utility Description: Not reported
Constype Utility Ind: N
Constype Water Sewer Ind: N
Dir Discharge Uswater Ind: N
Receiving Water Name: City of Long Beach
Certifier: Alan Reising
Certifier Title: Business Services Administrator
Certification Date: 15-JUN-17
Primary Sic: Not reported
Secondary Sic: Not reported
Tertiary Sic: Not reported

Name: RENAISSANCE HIGH SCHOOL FOR THE ARTS
Address: 235 EAST 8TH STREET
City,State,Zip: LONG BEACH, CA 90813
Facility Status: Not reported
NPDES Number: Not reported
Region: Not reported
Agency Number: Not reported
Regulatory Measure ID: Not reported
Place ID: Not reported
Order Number: Not reported
WDID: 4 19C376806
Regulatory Measure Type: Construction
Program Type: Not reported
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported
Expiration Date Of Regulatory Measure: Not reported
Discharge Address: Not reported
Discharge Name: Not reported
Discharge City: Not reported
Discharge State: Not reported
Discharge Zip: Not reported
Status: Terminated
Status Date: 01/07/2019

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LONG BEACH UNIFIED SCHOOL DISTRICT / RENAISSANCE HS (Continued)

S106834677

Operator Name: Long Beach Unified School District
Operator Address: 2425 Webster Avenue
Operator City: Long Beach
Operator State: California
Operator Zip: 90810

NPDES as of 03/2018:

NPDES Number: CAS000002
Status: Active
Agency Number: 0
Region: 4
Regulatory Measure ID: 471785
Order Number: 2009-0009-DWQ
Regulatory Measure Type: Enrollee
Place ID: Not reported
WDID: 4 19C376806
Program Type: Construction
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: 07/12/2016
Expiration Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported
Discharge Name: Long Beach Unified School District
Discharge Address: 2425 Webster Avenue
Discharge City: Long Beach
Discharge State: California
Discharge Zip: 90810
Received Date: Not reported
Processed Date: Not reported
Status: Not reported
Status Date: Not reported
Place Size: Not reported
Place Size Unit: Not reported
Contact: Not reported
Contact Title: Not reported
Contact Phone: Not reported
Contact Phone Ext: Not reported
Contact Email: Not reported
Operator Name: Not reported
Operator Address: Not reported
Operator City: Not reported
Operator State: Not reported
Operator Zip: Not reported
Operator Contact: Not reported
Operator Contact Title: Not reported
Operator Contact Phone: Not reported
Operator Contact Phone Ext: Not reported
Operator Contact Email: Not reported
Operator Type: Not reported
Developer: Not reported
Developer Address: Not reported
Developer City: Not reported
Developer State: Not reported
Developer Zip: Not reported
Developer Contact: Not reported
Developer Contact Title: Not reported
Constype Linear Utility Ind: Not reported
Emergency Phone: Not reported
Emergency Phone Ext: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LONG BEACH UNIFIED SCHOOL DISTRICT / RENAISSANCE HS (Continued)

S106834677

Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commercial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	4
Regulatory Measure ID:	471785
Order Number:	Not reported
Regulatory Measure Type:	Construction
Place ID:	Not reported
WDID:	4 19C376806
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	06/29/2016
Processed Date:	07/12/2016
Status:	Active
Status Date:	07/12/2016
Place Size:	3.44
Place Size Unit:	Acres
Contact:	Les Leahy
Contact Title:	Business Services Administrator
Contact Phone:	562-997-7550
Contact Phone Ext:	Not reported
Contact Email:	lleahy@lbschools.net
Operator Name:	Long Beach Unified School District
Operator Address:	2425 Webster Avenue

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LONG BEACH UNIFIED SCHOOL DISTRICT / RENAISSANCE HS (Continued)

S106834677

Operator City:	Long Beach
Operator State:	California
Operator Zip:	90810
Operator Contact:	Les Leahy
Operator Contact Title:	Business Services Administrator
Operator Contact Phone:	562-997-7550
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	lleahy@lbschools.net
Operator Type:	Special District
Developer:	Long Beach Unified School District
Developer Address:	2425 Webster Avenue
Developer City:	Long Beach
Developer State:	California
Developer Zip:	90810
Developer Contact:	Les Leahy
Developer Contact Title:	Business Services Administrator
Constype Linear Utility Ind:	N
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	N
Constype Below Ground Ind:	N
Constype Cable Line Ind:	N
Constype Comm Line Ind:	N
Constype Commercial Ind:	N
Constype Electrical Line Ind:	N
Constype Gas Line Ind:	N
Constype Industrial Ind:	N
Constype Other Description:	Public High School
Constype Other Ind:	Y
Constype Recons Ind:	N
Constype Residential Ind:	N
Constype Transport Ind:	N
Constype Utility Description:	Not reported
Constype Utility Ind:	N
Constype Water Sewer Ind:	N
Dir Discharge Uswater Ind:	N
Receiving Water Name:	City of Long Beach
Certifier:	Alan Reising
Certifier Title:	Business Services Administrator
Certification Date:	15-JUN-17
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

CIWQS:

Name:	RENAISSANCE HIGH SCHOOL FOR THE ARTS
Address:	235 EAST 8TH STREET
City,State,Zip:	LONG BEACH, CA 90813
Agency:	Long Beach Unified School District
Agency Address:	2425 Webster Avenue, Long Beach, CA 90810
Place/Project Type:	Construction - Other: Public High School
SIC/NAICS:	Not reported
Region:	4
Program:	CONSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water construction

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LONG BEACH UNIFIED SCHOOL DISTRICT / RENAISSANCE HS (Continued)

S106834677

Order Number: 2009-0009-DWQ
WDID: 4 19C376806
NPDES Number: CAS000002
Adoption Date: Not reported
Effective Date: 07/12/2016
Termination Date: 10/04/2018
Expiration/Review Date: Not reported
Design Flow: Not reported
Major/Minor: Not reported
Complexity: Not reported
TTWQ: Not reported
Enforcement Actions within 5 years: 0
Violations within 5 years: 0
Latitude: 33.77682
Longitude: -118.19041

CERS:

Name: RENAISSANCE HIGH SCH
Address: 235 EAST 8TH STREET
City,State,Zip: LONG BEACH, CA 90813
Site ID: 410141
CERS ID: 60002434
CERS Description: School Investigation

Affiliation:

Affiliation Type Desc: Lead Project Manager
Entity Name: IVY OSORNIO
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Supervisor
Entity Name: SHAHIR HADDAD
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

HWTS:

Name: LONG BEACH UNIFIED SCHOOL DISTRICT / RENAISSANCE HS
Address: 235 E 8TH STREET
Address 2: Not reported
City,State,Zip: LONG BEACH, CA 90813
EPA ID: CAC002879334
Inactive Date: 12/27/2016
Create Date: 09/26/2016
Last Act Date: 12/27/2016
Mailing Name: Not reported
Mailing Address: 2425 WEBSTER AVENUE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LONG BEACH UNIFIED SCHOOL DISTRICT / RENAISSANCE HS (Continued)

S106834677

Mailing Address 2:	Not reported
Mailing City,State,Zip:	LONG BEACH, CA 90810
Owner Name:	LONG BEACH UNIFIED SCHOOL DISTRICT
Owner Address:	2425 WEBSTER AVENUE
Owner Address 2:	Not reported
Owner City,State,Zip:	LONG BEACH, CA 90810
Contact Name:	DORI ARBOUR
Contact Address:	2425 WEBSTER AVENUE
Contact Address 2:	Not reported
City,State,Zip:	LONG BEACH, CA 90810

213
WSW
1/2-1
0.891 mi.
4706 ft.

EDISON/LONG BEACH MGP III
LG BEACH AREA, 8TH INT W/EDISON
LONG BEACH, CA 90802

EDR MGP **1008407698**
N/A

Relative:
Lower

Manufactured Gas Plants:

Actual:
7 ft.

The former Long Beach III Manufactured Gas Plant (MGP) site is located at the southwest corner of the intersection of Pier B Street and Edison Avenue in the City of Long Beach, California. The site consists of approximately five acres. An MGP operated at the site from 1906 until 1916. From 1916 to 1971, the entire site was used for natural gas storage and distribution. In 1974, the City of Long Beach began dismantling and removing the equipment and structures from the site. The City of Long Beach currently owns the site. Land use adjacent and in the vicinity of the site is primarily commercial and industrial associated with shipping and petroleum industries. The entire site is paved and approximately 80 percent of the site is used as a parking lot for imported cars while the remaining portion is located under Pier B Street. Contaminants of Concern at the site include Hydrocarbons (TPH), Polycyclic Aromatic Hydrocarbon (PAH's), Lead, and Arsenic.

214
West
1/2-1
0.900 mi.
4751 ft.

BEAR STATE ELECTRICAL CO INC
2105 WEST COWLES STREET
LONG BEACH, CA 90813

CA ENVIROSTOR **1000351863**
N/A

Relative:
Lower

ENVIROSTOR:

Actual:
7 ft.

Name:	BEAR STATE ELECTRICAL CO INC
Address:	2105 WEST COWLES STREET
City,State,Zip:	LONG BEACH, CA 90813
Facility ID:	19360096
Status:	Refer: Other Agency
Status Date:	08/31/1995
Site Code:	Not reported
Site Type:	Historical
Site Type Detailed:	* Historical
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	Referred - Not Assigned
Division Branch:	Cleanup Cypress
Assembly:	70
Senate:	33

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BEAR STATE ELECTRICAL CO INC (Continued)

1000351863

Special Program: * Site Char & Assess Grant (CERCLA 104)
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 33.78491
Longitude: -118.2199
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: * Metals - Other Inorganic Solid Waste * DETERGENT & SOAP * WASTE
OIL & MIXED OIL Polychlorinated biphenyls (PCBs)
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: BEAR STATE SERVICE CENTER
Alias Type: Alternate Name
Alias Name: JAIDE CAR COMPANY
Alias Type: Alternate Name
Alias Name: RELIANCE ELECTRIC CO
Alias Type: Alternate Name
Alias Name: CAD980888952
Alias Type: EPA Identification Number
Alias Name: CAX000113555
Alias Type: HWTS Identification Code
Alias Name: 19360096
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 05/27/1991
Comments: EPA Screening Site Inspection Reassessment recommended NFA. No
Further Action for DTSC; recommend referral to City of Long Beach.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 09/14/1982
Comments: Facility identified from Pac Tel Business Directory 1971.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

AQ215 ROOSEVELT ELEMENTARY SCHOOL CA ENVIROSTOR S118756600
East 1574 LINDEN AVENUE CA SCH
1/2-1 LONG BEACH, CA 90813
0.959 mi.
5062 ft. Site 1 of 2 in cluster AQ

Relative:
Higher

Actual:
35 ft.

ENVIROSTOR:

Name: ROOSEVELT ELEMENTARY SCHOOL
Address: 1574 LINDEN AVENUE
City,State,Zip: LONG BEACH, CA 90813
Facility ID: 19820124
Status: No Action Required
Status Date: 02/11/2000
Site Code: 404028
Site Type: School Investigation
Site Type Detailed: School
Acres: Not reported
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Not reported
Supervisor: Mark Malinowski
Division Branch: Southern California Schools & Brownfields Outreach
Assembly: 70
Senate: 33
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: School District
Latitude: 33.78647
Longitude: -118.1858
APN: NONE SPECIFIED
Past Use: * EDUCATIONAL SERVICES
Potential COC: NONE SPECIFIED No Contaminants found
Confirmed COC: NONE SPECIFIED
Potential Description: NMA
Alias Name: LONG BEACH USD-ROOSEVELT ELEM/CDE
Alias Type: Alternate Name
Alias Name: LONG BEACH USD-THEO.ROOSEVELT ELEM./VCA
Alias Type: Alternate Name
Alias Name: 404028
Alias Type: Project Code (Site Code)
Alias Name: 19820124
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 02/11/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 02/04/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ROOSEVELT ELEMENTARY SCHOOL (Continued)

S118756600

Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 06/29/2000
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SCH:

Name: ROOSEVELT ELEMENTARY SCHOOL
Address: 1574 LINDEN AVENUE
City,State,Zip: LONG BEACH, CA 90813
Facility ID: 19820124
Site Type: School Investigation
Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED
Acres: Not reported
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Not reported
Supervisor: Mark Malinowski
Division Branch: Southern California Schools & Brownfields Outreach
Site Code: 404028
Assembly: 70
Senate: 33
Special Program Status: Not reported
Status: No Action Required
Status Date: 02/11/2000
Restricted Use: NO
Funding: School District
Latitude: 33.78647
Longitude: -118.1858
APN: NONE SPECIFIED
Past Use: * EDUCATIONAL SERVICES
Potential COC: NONE SPECIFIED, No Contaminants found
Confirmed COC: NONE SPECIFIED
Potential Description: NMA
Alias Name: LONG BEACH USD-ROOSEVELT ELEM/CDE
Alias Type: Alternate Name
Alias Name: LONG BEACH USD-THEO.ROOSEVELT ELEM./VCA
Alias Type: Alternate Name
Alias Name: 404028
Alias Type: Project Code (Site Code)
Alias Name: 19820124
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ROOSEVELT ELEMENTARY SCHOOL (Continued)

S118756600

Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 02/11/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 02/04/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 06/29/2000
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

AQ216
East
1/2-1
0.959 mi.
5062 ft.

ROOSEVELT ELEMENTARY SCHOOL
1574 LINDEN AVENUE
LONG BEACH, CA 90813

Site 2 of 2 in cluster AQ

CA ENVIROSTOR
CA SCH
CA NPDES
CA CIWQS

S102806961
N/A

Relative:
Higher

Actual:
35 ft.

ENVIROSTOR:
Name: ROOSEVELT ELEMENTARY SCHOOL
Address: 1574 LINDEN AVENUE
City,State,Zip: LONG BEACH, CA 90813
Facility ID: 60001492
Status: No Further Action
Status Date: 01/17/2012
Site Code: 404863
Site Type: School Investigation
Site Type Detailed: School
Acres: 5
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Not reported
Supervisor: Shahir Haddad
Division Branch: Southern California Schools & Brownfields Outreach
Assembly: 70
Senate: 33
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: School District
Latitude: 33.7865
Longitude: -118.186

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ROOSEVELT ELEMENTARY SCHOOL (Continued)

S102806961

APN: NONE SPECIFIED
Past Use: RESIDENTIAL AREA, SCHOOL - ELEMENTARY
Potential COC: Under Investigation
Confirmed COC: NONE SPECIFIED
Potential Description: UE
Alias Name: 404863
Alias Type: Project Code (Site Code)
Alias Name: 60001492
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 01/13/2012
Comments: DTSC prepared a project closeout Cost Recovery Unit Memorandum

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 07/25/2011
Comments: DTSC issued a Phase I Addendum required determination based on the Phase I report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1 Addendum
Completed Date: 01/12/2012
Comments: DTSC approved the Phase I Addendum with a No Further Action determination

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/26/2015
Comments: DTSC concurred with the soil export request

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 05/26/2015
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SCH:

Name: ROOSEVELT ELEMENTARY SCHOOL
Address: 1574 LINDEN AVENUE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ROOSEVELT ELEMENTARY SCHOOL (Continued)

S102806961

City,State,Zip: LONG BEACH, CA 90813
Facility ID: 60001492
Site Type: School Investigation
Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED
Acres: 5
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Not reported
Supervisor: Shahir Haddad
Division Branch: Southern California Schools & Brownfields Outreach
Site Code: 404863
Assembly: 70
Senate: 33
Special Program Status: Not reported
Status: No Further Action
Status Date: 01/17/2012
Restricted Use: NO
Funding: School District
Latitude: 33.7865
Longitude: -118.186
APN: NONE SPECIFIED
Past Use: RESIDENTIAL AREA, SCHOOL - ELEMENTARY
Potential COC: Under Investigation
Confirmed COC: NONE SPECIFIED
Potential Description: UE
Alias Name: 404863
Alias Type: Project Code (Site Code)
Alias Name: 60001492
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 01/13/2012
Comments: DTSC prepared a project closeout Cost Recovery Unit Memorandum

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 07/25/2011
Comments: DTSC issued a Phase I Addendum required determination based on the Phase I report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1 Addendum
Completed Date: 01/12/2012
Comments: DTSC approved the Phase I Addendum with a No Further Action determination

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/26/2015

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ROOSEVELT ELEMENTARY SCHOOL (Continued)

S102806961

Comments: DTSC concurred with the soil export request

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 05/26/2015
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

NPDES:

Name: ROOSEVELT ELEMENTARY SCHOOL
Address: 1574 LINDEN AVENUE
City,State,Zip: LONG BEACH, CA 90813
Facility Status: Not reported
NPDES Number: Not reported
Region: Not reported
Agency Number: Not reported
Regulatory Measure ID: Not reported
Place ID: Not reported
Order Number: Not reported
WDID: 4 19C367902
Regulatory Measure Type: Construction
Program Type: Not reported
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported
Expiration Date Of Regulatory Measure: Not reported
Discharge Address: Not reported
Discharge Name: Not reported
Discharge City: Not reported
Discharge State: Not reported
Discharge Zip: Not reported
Status: Terminated
Status Date: 02/22/2016
Operator Name: Long Beach Unified School District
Operator Address: 2425 Webster Avenue
Operator City: Long Beach
Operator State: California
Operator Zip: 90810

NPDES as of 03/2018:

NPDES Number: Not reported
Status: Not reported
Agency Number: Not reported
Region: 4
Regulatory Measure ID: 439655
Order Number: Not reported
Regulatory Measure Type: Construction

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ROOSEVELT ELEMENTARY SCHOOL (Continued)

S102806961

Place ID:	Not reported
WDID:	4 19C367902
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	12/04/2015
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	10/03/2013
Processed Date:	10/04/2013
Status:	Terminated
Status Date:	02/22/2016
Place Size:	4.41
Place Size Unit:	Acres
Contact:	Tom Rizzuti
Contact Title:	Administrative Coordinator
Contact Phone:	562-997-7552
Contact Phone Ext:	Not reported
Contact Email:	trizzuti@lbschools.net
Operator Name:	Long Beach Unified School District
Operator Address:	2425 Webster Avenue
Operator City:	Long Beach
Operator State:	California
Operator Zip:	90810
Operator Contact:	Les Leahy
Operator Contact Title:	Business Services Administrator
Operator Contact Phone:	562-997-7550
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	lleahy@lbschools.net
Operator Type:	Special District
Developer:	Tilden Coil Constructors
Developer Address:	3612 Mission Inn Avenue
Developer City:	Riverside
Developer State:	California
Developer Zip:	92501
Developer Contact:	David Joseph
Developer Contact Title:	Superintendent
Constype Linear Utility Ind:	N
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	N
Constype Below Ground Ind:	N
Constype Cable Line Ind:	N
Constype Comm Line Ind:	N
Constype Commercial Ind:	N
Constype Electrical Line Ind:	N
Constype Gas Line Ind:	N
Constype Industrial Ind:	N
Constype Other Description:	Public Elementary School
Constype Other Ind:	Y
Constype Recons Ind:	N
Constype Residential Ind:	N
Constype Transport Ind:	N

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ROOSEVELT ELEMENTARY SCHOOL (Continued)

S102806961

Constype Utility Description:	Not reported
Constype Utility Ind:	N
Constype Water Sewer Ind:	N
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Not reported
Certifier:	Les Leahy
Certifier Title:	Administrative Coordinator
Certification Date:	02-SEP-15
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	CAS000002
Status:	Terminated
Agency Number:	0
Region:	4
Regulatory Measure ID:	439655
Order Number:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	4 19C367902
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	10/04/2013
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	12/04/2015
Discharge Name:	Long Beach Unified School District
Discharge Address:	2425 Webster Avenue
Discharge City:	Long Beach
Discharge State:	California
Discharge Zip:	90810
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ROOSEVELT ELEMENTARY SCHOOL (Continued)

S102806961

Developer Zip: Not reported
Developer Contact: Not reported
Developer Contact Title: Not reported
Constype Linear Utility Ind: Not reported
Emergency Phone: Not reported
Emergency Phone Ext: Not reported
Constype Above Ground Ind: Not reported
Constype Below Ground Ind: Not reported
Constype Cable Line Ind: Not reported
Constype Comm Line Ind: Not reported
Constype Commercial Ind: Not reported
Constype Electrical Line Ind: Not reported
Constype Gas Line Ind: Not reported
Constype Industrial Ind: Not reported
Constype Other Description: Not reported
Constype Other Ind: Not reported
Constype Recons Ind: Not reported
Constype Residential Ind: Not reported
Constype Transport Ind: Not reported
Constype Utility Description: Not reported
Constype Utility Ind: Not reported
Constype Water Sewer Ind: Not reported
Dir Discharge Uswater Ind: Not reported
Receiving Water Name: Not reported
Certifier: Not reported
Certifier Title: Not reported
Certification Date: Not reported
Primary Sic: Not reported
Secondary Sic: Not reported
Tertiary Sic: Not reported

CIWQS:

Name: ROOSEVELT ELEMENTARY SCHOOL
Address: 1574 LINDEN AVENUE
City,State,Zip: LONG BEACH, CA 90813
Agency: Long Beach Unified School District
Agency Address: 2425 Webster Avenue, Long Beach, CA 90810
Place/Project Type: Construction - Other: Public Elementary School
SIC/NAICS: Not reported
Region: 4
Program: CONSTW
Regulatory Measure Status: Terminated
Regulatory Measure Type: Storm water construction
Order Number: 2009-0009-DWQ
WDID: 4 19C367902
NPDES Number: CAS000002
Adoption Date: Not reported
Effective Date: 10/04/2013
Termination Date: 12/04/2015
Expiration/Review Date: Not reported
Design Flow: Not reported
Major/Minor: Not reported
Complexity: Not reported
TTWQ: Not reported
Enforcement Actions within 5 years: 0
Violations within 5 years: 0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ROOSEVELT ELEMENTARY SCHOOL (Continued)

S102806961

Latitude: 33.78679
Longitude: -118.18668

Name: ROOSEVELT ELEMENTARY SCHOOL
Address: 1574 LINDEN AVENUE
City,State,Zip: LONG BEACH, CA 90810
Agency: Long Beach Unified School District
Agency Address: 2425 Webster Avenue, Long Beach, CA 90810
Place/Project Type: Construction - Other: Public Elementary School
SIC/NAICS: Not reported
Region: 4
Program: CONSTW
Regulatory Measure Status: Terminated
Regulatory Measure Type: Storm water construction
Order Number: 2009-0009-DWQ
WDID: 4 19C364095
NPDES Number: CAS000002
Adoption Date: Not reported
Effective Date: 07/17/2012
Termination Date: 03/20/2013
Expiration/Review Date: Not reported
Design Flow: Not reported
Major/Minor: Not reported
Complexity: Not reported
TTWQ: Not reported
Enforcement Actions within 5 years: 0
Violations within 5 years: 0
Latitude: 33.8746
Longitude: -118.2017

217
WSW
1/2-1
0.961 mi.
5076 ft.

**PETRO-DIAMOND TERMINAL CO.
1920 LUGGER WAY
LONG BEACH, CA 90813**

**CA ENVIROSTOR
CA LUST
CA Cortese
CA HIST CORTESE
CA CERS**

**S103638623
N/A**

**Relative:
Lower**

ENVIROSTOR:
Name: PETRO-DIAMOND TERMINAL CO.
Address: 1920 LUGGER WAY
City,State,Zip: LONG BEACH, CA 90813
Facility ID: 71002369
Status: Refer: Other Agency
Status Date: Not reported
Site Code: Not reported
Site Type: Tiered Permit
Site Type Detailed: Tiered Permit
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Not reported
Division Branch: Cleanup Chatsworth
Assembly: 70
Senate: 33
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED

**Actual:
11 ft.**

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PETRO-DIAMOND TERMINAL CO. (Continued)

S103638623

Funding: Not reported
Latitude: 33.77679
Longitude: -118.2192
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAD040954521
Alias Type: EPA Identification Number
Alias Name: 71002369
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase I Verification
Completed Date: 10/14/1998
Comments: Inspection report sent on 10/14/1998

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

LUST:

Name: PETRO DIAMOND TERMINAL COMPANY
Address: 1920 LUGGER WY
City,State,Zip: LONG BEACH, CA 90813
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603701940
Global Id: T0603701940
Latitude: 33.776694
Longitude: -118.2192058
Status: Open - Remediation
Status Date: 01/21/2002
Case Worker: JR
RB Case Number: 908130261
Local Agency: LONG BEACH, CITY OF
File Location: Regional Board
Local Case Number: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:

Global Id: T0603701940
Contact Type: Local Agency Caseworker
Contact Name: CARMEN PIRO
Organization Name: LONG BEACH, CITY OF
Address: 2525 GRAND AVE.
City: LONG BEACH

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PETRO-DIAMOND TERMINAL CO. (Continued)

S103638623

Email: carmen.piro@longbeach.gov
Phone Number: 5625704137

Global Id: T0603701940
Contact Type: Regional Board Caseworker
Contact Name: JAMES RYAN
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: West 4th Street, Suite 200
City: LOS ANGELES
Email: jamesw.ryan@waterboards.ca.gov
Phone Number: 2135766711

LUST:

Global Id: T0603701940
Action Type: ENFORCEMENT
Date: 02/01/2019
Action: Staff Letter

Global Id: T0603701940
Action Type: RESPONSE
Date: 04/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603701940
Action Type: RESPONSE
Date: 07/15/2013
Action: Monitoring Report - Semi-Annually

Global Id: T0603701940
Action Type: RESPONSE
Date: 07/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603701940
Action Type: RESPONSE
Date: 01/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603701940
Action Type: ENFORCEMENT
Date: 06/15/2009
Action: Staff Letter

Global Id: T0603701940
Action Type: RESPONSE
Date: 04/15/2009
Action: Monitoring Report - Semi-Annually

Global Id: T0603701940
Action Type: RESPONSE
Date: 01/15/2009
Action: Monitoring Report - Semi-Annually

Global Id: T0603701940
Action Type: RESPONSE
Date: 04/15/2004
Action: Monitoring Report - Quarterly

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PETRO-DIAMOND TERMINAL CO. (Continued)

S103638623

Global Id:	T0603701940
Action Type:	RESPONSE
Date:	05/16/2008
Action:	Monitoring Report - Quarterly
Global Id:	T0603701940
Action Type:	RESPONSE
Date:	07/31/2002
Action:	Other Report / Document
Global Id:	T0603701940
Action Type:	RESPONSE
Date:	01/15/2014
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603701940
Action Type:	ENFORCEMENT
Date:	06/21/2002
Action:	Staff Letter
Global Id:	T0603701940
Action Type:	ENFORCEMENT
Date:	04/10/2019
Action:	Staff Letter
Global Id:	T0603701940
Action Type:	ENFORCEMENT
Date:	12/05/2019
Action:	Deadline Extension
Global Id:	T0603701940
Action Type:	RESPONSE
Date:	07/15/2009
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603701940
Action Type:	RESPONSE
Date:	04/15/2010
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603701940
Action Type:	ENFORCEMENT
Date:	09/03/2019
Action:	Staff Letter
Global Id:	T0603701940
Action Type:	RESPONSE
Date:	04/15/2002
Action:	Monitoring Report - Quarterly
Global Id:	T0603701940
Action Type:	RESPONSE
Date:	07/15/2014
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603701940
Action Type:	RESPONSE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PETRO-DIAMOND TERMINAL CO. (Continued)

S103638623

Date:	01/15/2005
Action:	Monitoring Report - Quarterly
Global Id:	T0603701940
Action Type:	RESPONSE
Date:	01/15/2016
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603701940
Action Type:	RESPONSE
Date:	07/15/2005
Action:	Monitoring Report - Quarterly
Global Id:	T0603701940
Action Type:	RESPONSE
Date:	01/15/2003
Action:	Monitoring Report - Quarterly
Global Id:	T0603701940
Action Type:	RESPONSE
Date:	07/15/2003
Action:	Monitoring Report - Quarterly
Global Id:	T0603701940
Action Type:	RESPONSE
Date:	10/15/2003
Action:	Monitoring Report - Quarterly
Global Id:	T0603701940
Action Type:	RESPONSE
Date:	01/15/2004
Action:	Monitoring Report - Quarterly
Global Id:	T0603701940
Action Type:	RESPONSE
Date:	07/15/2002
Action:	Monitoring Report - Quarterly
Global Id:	T0603701940
Action Type:	RESPONSE
Date:	10/15/2004
Action:	Monitoring Report - Quarterly
Global Id:	T0603701940
Action Type:	RESPONSE
Date:	07/15/2010
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603701940
Action Type:	RESPONSE
Date:	04/15/2011
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603701940
Action Type:	RESPONSE
Date:	07/15/2015
Action:	Monitoring Report - Semi-Annually

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PETRO-DIAMOND TERMINAL CO. (Continued)

S103638623

Global Id:	T0603701940
Action Type:	RESPONSE
Date:	07/15/2018
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603701940
Action Type:	RESPONSE
Date:	01/15/2017
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603701940
Action Type:	RESPONSE
Date:	12/16/2019
Action:	Pilot Study/ Treatability Report
Global Id:	T0603701940
Action Type:	RESPONSE
Date:	01/15/2018
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603701940
Action Type:	RESPONSE
Date:	07/15/2017
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603701940
Action Type:	RESPONSE
Date:	07/15/2019
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603701940
Action Type:	RESPONSE
Date:	01/15/2019
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603701940
Action Type:	RESPONSE
Date:	07/15/2004
Action:	Monitoring Report - Quarterly
Global Id:	T0603701940
Action Type:	RESPONSE
Date:	07/15/2016
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603701940
Action Type:	RESPONSE
Date:	01/15/2020
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603701940
Action Type:	RESPONSE
Date:	07/15/2019
Action:	Corrective Action Plan / Remedial Action Plan - Regulator Responded
Global Id:	T0603701940
Action Type:	REMEDIATION

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PETRO-DIAMOND TERMINAL CO. (Continued)

S103638623

Date:	01/01/2003
Action:	Dual Phase Extraction
Global Id:	T0603701940
Action Type:	REMEDIATION
Date:	01/01/1994
Action:	Free Product Removal
Global Id:	T0603701940
Action Type:	RESPONSE
Date:	10/15/2005
Action:	Monitoring Report - Quarterly
Global Id:	T0603701940
Action Type:	RESPONSE
Date:	10/15/2011
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603701940
Action Type:	RESPONSE
Date:	01/15/2012
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603701940
Action Type:	REMEDIATION
Date:	11/01/2001
Action:	Soil Vapor Extraction (SVE)
Global Id:	T0603701940
Action Type:	ENFORCEMENT
Date:	08/12/1999
Action:	Staff Letter
Global Id:	T0603701940
Action Type:	Other
Date:	11/02/1992
Action:	Leak Reported
Global Id:	T0603701940
Action Type:	RESPONSE
Date:	04/15/2006
Action:	Monitoring Report - Quarterly
Global Id:	T0603701940
Action Type:	RESPONSE
Date:	07/15/2006
Action:	Monitoring Report - Quarterly
Global Id:	T0603701940
Action Type:	RESPONSE
Date:	01/15/2006
Action:	Monitoring Report - Quarterly
Global Id:	T0603701940
Action Type:	RESPONSE
Date:	10/15/2006
Action:	Monitoring Report - Quarterly

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PETRO-DIAMOND TERMINAL CO. (Continued)

S103638623

Global Id: T0603701940
Action Type: RESPONSE
Date: 01/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603701940
Action Type: RESPONSE
Date: 07/15/2012
Action: Monitoring Report - Semi-Annually

LUST:

Global Id: T0603701940
Status: Open - Case Begin Date
Status Date: 01/10/1986

Global Id: T0603701940
Status: Open - Site Assessment
Status Date: 01/10/1986

Global Id: T0603701940
Status: Open - Site Assessment
Status Date: 03/23/1992

Global Id: T0603701940
Status: Open - Site Assessment
Status Date: 08/12/1999

Global Id: T0603701940
Status: Open - Remediation
Status Date: 07/24/2001

Global Id: T0603701940
Status: Open - Remediation
Status Date: 01/21/2002

CORTESE:

Name: PETRO DIAMOND TERMINAL COMPANY
Address: 1920 LUGGER WY
City,State,Zip: LONG BEACH, CA 90813
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0603701940
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: OPEN - REMEDIATION
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PETRO-DIAMOND TERMINAL CO. (Continued)

S103638623

Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Unit Name: Not reported
File Name: Active Open

HIST CORTESE:

edr_fname: PETERO DIAMOND TERMINAL CO
edr_fadd1: 1920 LUGGER
City,State,Zip: LONG BEACH, CA 90813
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 908130261

CERS:

Name: PETRO DIAMOND TERMINAL COMPANY
Address: 1920 LUGGER WY
City,State,Zip: LONG BEACH, CA 90813
Site ID: 227722
CERS ID: T0603701940
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc: Regional Board Caseworker
Entity Name: JAMES RYAN - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: West 4th Street, Suite 200
Affiliation City: LOS ANGELES
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 2135766711

Affiliation Type Desc: Local Agency Caseworker
Entity Name: CARMEN PIRO - LONG BEACH, CITY OF
Entity Title: Not reported
Affiliation Address: 2525 GRAND AVE.
Affiliation City: LONG BEACH
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 5625704137

Count: 11 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
LONG BEACH	S114571687	ANAHEIM STREET PROPERTY	132 ANAHEIM ST W		CA RGA LUST
LONG BEACH	S102057754	ARATEX SERVICES (ARAMARK)	702 ANAHEIM ST W	90813	CA LUST
LONG BEACH	S105911442	GLENN E. THOMAS AUTO (FORMER)	340 ANAHEIM	90813	CA CPS-SLIC
LONG BEACH	S107529977		1819 ANAHEIM ST	90810	CA CDL
LONG BEACH	S121693809	HOUSEMAN ENTERPRISE	LONG BEACH CONVENTION CTR	90802	CA DRYCLEANERS
LONG BEACH	S105721795	STATEWIDE BUSINESS PARK	SAN DIEGO	90806	CA CPS-SLIC
LONG BEACH	S111076046	PUBLIC SERVICE TRANSFER STATION #1	EAST SIDE OF 710 FWY BETWEEN A	90806	CA SWF/LF
WILMINGTON	S106387067	WILMINGTON TOWN LOT #369, 371, 372	ANAHEIM	90744	CA CPS-SLIC
WILMINGTON	S106387096	ACTA SOUTH - PCH GRADE SEPARATION	PACIFIC COAST	90744	CA CPS-SLIC
WILMINGTON	S106483368	ACTA PARCEL PCH-1542	1828, 1830 PACIFIC COAST	90744	CA CPS-SLIC
WILMINGTON	S107540558		SAMPSON ST NORTH OF ANAHEIM	90744	CA CDL

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 01/30/2020	Source: EPA
Date Data Arrived at EDR: 02/05/2020	Telephone: N/A
Date Made Active in Reports: 02/14/2020	Last EDR Contact: 03/25/2020
Number of Days to Update: 9	Next Scheduled EDR Contact: 07/13/2020
	Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 01/30/2020	Source: EPA
Date Data Arrived at EDR: 02/05/2020	Telephone: N/A
Date Made Active in Reports: 02/14/2020	Last EDR Contact: 04/02/2020
Number of Days to Update: 9	Next Scheduled EDR Contact: 07/13/2020
	Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 01/30/2020
Date Data Arrived at EDR: 02/05/2020
Date Made Active in Reports: 02/14/2020
Number of Days to Update: 9

Source: EPA
Telephone: N/A
Last EDR Contact: 04/02/2020
Next Scheduled EDR Contact: 07/13/2020
Data Release Frequency: Quarterly

Federal CERCLIS list

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 04/03/2019
Date Data Arrived at EDR: 04/05/2019
Date Made Active in Reports: 05/14/2019
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 04/03/2020
Next Scheduled EDR Contact: 07/13/2020
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly known as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 01/30/2020
Date Data Arrived at EDR: 02/05/2020
Date Made Active in Reports: 02/14/2020
Number of Days to Update: 9

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 04/02/2020
Next Scheduled EDR Contact: 07/27/2020
Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 01/30/2020	Source: EPA
Date Data Arrived at EDR: 02/05/2020	Telephone: 800-424-9346
Date Made Active in Reports: 02/14/2020	Last EDR Contact: 04/02/2020
Number of Days to Update: 9	Next Scheduled EDR Contact: 07/27/2020
	Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 12/16/2019	Source: EPA
Date Data Arrived at EDR: 12/16/2019	Telephone: 800-424-9346
Date Made Active in Reports: 12/20/2019	Last EDR Contact: 03/25/2020
Number of Days to Update: 4	Next Scheduled EDR Contact: 07/06/2020
	Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 12/16/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/16/2019	Telephone: (415) 495-8895
Date Made Active in Reports: 12/20/2019	Last EDR Contact: 03/25/2020
Number of Days to Update: 4	Next Scheduled EDR Contact: 07/06/2020
	Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/16/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/16/2019	Telephone: (415) 495-8895
Date Made Active in Reports: 12/20/2019	Last EDR Contact: 03/25/2020
Number of Days to Update: 4	Next Scheduled EDR Contact: 07/06/2020
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 12/16/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/16/2019	Telephone: (415) 495-8895
Date Made Active in Reports: 12/20/2019	Last EDR Contact: 03/25/2020
Number of Days to Update: 4	Next Scheduled EDR Contact: 07/06/2020
	Data Release Frequency: Quarterly

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/16/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/16/2019	Telephone: (415) 495-8895
Date Made Active in Reports: 12/20/2019	Last EDR Contact: 03/25/2020
Number of Days to Update: 4	Next Scheduled EDR Contact: 07/06/2020
	Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 11/04/2019	Source: Department of the Navy
Date Data Arrived at EDR: 11/13/2019	Telephone: 843-820-7326
Date Made Active in Reports: 01/28/2020	Last EDR Contact: 02/10/2020
Number of Days to Update: 76	Next Scheduled EDR Contact: 05/25/2020
	Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 11/22/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/22/2019	Telephone: 703-603-0695
Date Made Active in Reports: 01/28/2020	Last EDR Contact: 02/20/2020
Number of Days to Update: 67	Next Scheduled EDR Contact: 06/08/2020
	Data Release Frequency: Varies

US INST CONTROLS: Institutional Controls Sites List

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 11/22/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/22/2019	Telephone: 703-603-0695
Date Made Active in Reports: 01/28/2020	Last EDR Contact: 02/20/2020
Number of Days to Update: 67	Next Scheduled EDR Contact: 06/08/2020
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/16/2019

Date Data Arrived at EDR: 12/19/2019

Date Made Active in Reports: 03/06/2020

Number of Days to Update: 78

Source: National Response Center, United States Coast Guard

Telephone: 202-267-2180

Last EDR Contact: 03/24/2020

Next Scheduled EDR Contact: 07/06/2020

Data Release Frequency: Quarterly

State- and tribal - equivalent NPL

RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity.

These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 01/27/2020

Date Data Arrived at EDR: 01/28/2020

Date Made Active in Reports: 04/09/2020

Number of Days to Update: 72

Source: Department of Toxic Substances Control

Telephone: 916-323-3400

Last EDR Contact: 04/28/2020

Next Scheduled EDR Contact: 08/10/2020

Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifies sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

Date of Government Version: 01/27/2020

Date Data Arrived at EDR: 01/28/2020

Date Made Active in Reports: 04/09/2020

Number of Days to Update: 72

Source: Department of Toxic Substances Control

Telephone: 916-323-3400

Last EDR Contact: 04/28/2020

Next Scheduled EDR Contact: 08/10/2020

Data Release Frequency: Quarterly

State and tribal landfill and/or solid waste disposal site lists

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inventory of solid waste disposal facilities or landfills. These may be active or inactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 02/10/2020

Date Data Arrived at EDR: 02/11/2020

Date Made Active in Reports: 04/20/2020

Number of Days to Update: 69

Source: Department of Resources Recycling and Recovery

Telephone: 916-341-6320

Last EDR Contact: 02/11/2020

Next Scheduled EDR Contact: 05/25/2020

Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LUST REG 9: Leaking Underground Storage Tank Report

Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001
Date Data Arrived at EDR: 04/23/2001
Date Made Active in Reports: 05/21/2001
Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-637-5595
Last EDR Contact: 09/26/2011
Next Scheduled EDR Contact: 01/09/2012
Data Release Frequency: No Update Planned

LUST REG 8: Leaking Underground Storage Tanks

California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 03/28/2005
Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4966
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

LUST REG 7: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004
Date Data Arrived at EDR: 02/26/2004
Date Made Active in Reports: 03/24/2004
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-776-8943
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 5: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 07/01/2008
Date Data Arrived at EDR: 07/22/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 9

Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-4834
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

LUST REG 4: Underground Storage Tank Leak List

Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6710
Last EDR Contact: 09/06/2011
Next Scheduled EDR Contact: 12/19/2011
Data Release Frequency: No Update Planned

LUST REG 3: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003
Date Data Arrived at EDR: 05/19/2003
Date Made Active in Reports: 06/02/2003
Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-542-4786
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LUST REG 2: Fuel Leak List

Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: No Update Planned

LUST REG 1: Active Toxic Site Investigation

Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001
Date Data Arrived at EDR: 02/28/2001
Date Made Active in Reports: 03/29/2001
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-570-3769
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 6V: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005
Date Data Arrived at EDR: 06/07/2005
Date Made Active in Reports: 06/29/2005
Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-241-7365
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 6L: Leaking Underground Storage Tank Case Listing

For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003
Date Data Arrived at EDR: 09/10/2003
Date Made Active in Reports: 10/07/2003
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 530-542-5572
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST: Leaking Underground Fuel Tank Report (GEOTRACKER)

Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 12/09/2019
Date Data Arrived at EDR: 12/10/2019
Date Made Active in Reports: 02/14/2020
Number of Days to Update: 66

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 03/10/2020
Next Scheduled EDR Contact: 06/22/2020
Data Release Frequency: Quarterly

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land

A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 10/01/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 68

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 04/24/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land

Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/01/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 68

Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 04/24/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 10/02/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 68

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 04/24/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 10/03/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/14/2020
Number of Days to Update: 72

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 04/24/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 10/10/2019
Date Data Arrived at EDR: 12/05/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 67

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 04/24/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 10/15/2019
Date Data Arrived at EDR: 12/17/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 55

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 04/24/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 10/11/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 68

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 04/23/2020
Next Scheduled EDR Contact: 08/02/2020
Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 10/04/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/27/2020
Number of Days to Update: 85

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 04/24/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CPS-SLIC: Statewide SLIC Cases (GEOTRACKER)

Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 12/09/2019	Source: State Water Resources Control Board
Date Data Arrived at EDR: 12/10/2019	Telephone: 866-480-1028
Date Made Active in Reports: 02/18/2020	Last EDR Contact: 03/10/2020
Number of Days to Update: 70	Next Scheduled EDR Contact: 06/22/2020
	Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003	Source: California Regional Water Quality Control Board, North Coast Region (1)
Date Data Arrived at EDR: 04/07/2003	Telephone: 707-576-2220
Date Made Active in Reports: 04/25/2003	Last EDR Contact: 08/01/2011
Number of Days to Update: 18	Next Scheduled EDR Contact: 11/14/2011
	Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004	Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Date Data Arrived at EDR: 10/20/2004	Telephone: 510-286-0457
Date Made Active in Reports: 11/19/2004	Last EDR Contact: 09/19/2011
Number of Days to Update: 30	Next Scheduled EDR Contact: 01/02/2012
	Data Release Frequency: No Update Planned

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006	Source: California Regional Water Quality Control Board Central Coast Region (3)
Date Data Arrived at EDR: 05/18/2006	Telephone: 805-549-3147
Date Made Active in Reports: 06/15/2006	Last EDR Contact: 07/18/2011
Number of Days to Update: 28	Next Scheduled EDR Contact: 10/31/2011
	Data Release Frequency: No Update Planned

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004	Source: Region Water Quality Control Board Los Angeles Region (4)
Date Data Arrived at EDR: 11/18/2004	Telephone: 213-576-6600
Date Made Active in Reports: 01/04/2005	Last EDR Contact: 07/01/2011
Number of Days to Update: 47	Next Scheduled EDR Contact: 10/17/2011
	Data Release Frequency: No Update Planned

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005	Source: Regional Water Quality Control Board Central Valley Region (5)
Date Data Arrived at EDR: 04/05/2005	Telephone: 916-464-3291
Date Made Active in Reports: 04/21/2005	Last EDR Contact: 09/12/2011
Number of Days to Update: 16	Next Scheduled EDR Contact: 12/26/2011
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005
Date Data Arrived at EDR: 05/25/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 6L: SLIC Sites

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004
Date Data Arrived at EDR: 11/29/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 36

Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008
Date Data Arrived at EDR: 04/03/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 11

Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007
Date Data Arrived at EDR: 09/11/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 17

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 08/08/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: No Update Planned

State and tribal registered storage tank lists

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 08/27/2019
Date Data Arrived at EDR: 08/28/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 75

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 03/19/2020
Next Scheduled EDR Contact: 07/20/2020
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UST CLOSURE: Proposed Closure of Underground Storage Tank (UST) Cases

UST cases that are being considered for closure by either the State Water Resources Control Board or the Executive Director have been posted for a 60-day public comment period. UST Case Closures being proposed for consideration by the State Water Resources Control Board. These are primarily UST cases that meet closure criteria under the decisional framework in State Water Board Resolution No. 92-49 and other Board orders. UST Case Closures proposed for consideration by the Executive Director pursuant to State Water Board Resolution No. 2012-0061. These are cases that meet the criteria of the Low-Threat UST Case Closure Policy. UST Case Closure Review Denials and Approved Orders.

Date of Government Version: 12/06/2019
Date Data Arrived at EDR: 12/10/2019
Date Made Active in Reports: 02/25/2020
Number of Days to Update: 77

Source: State Water Resources Control Board
Telephone: 916-327-7844
Last EDR Contact: 03/11/2020
Next Scheduled EDR Contact: 06/22/2020
Data Release Frequency: Varies

MILITARY UST SITES: Military UST Sites (GEOTRACKER)

Military ust sites

Date of Government Version: 12/09/2019
Date Data Arrived at EDR: 12/10/2019
Date Made Active in Reports: 02/18/2020
Number of Days to Update: 70

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/10/2020
Next Scheduled EDR Contact: 06/22/2020
Data Release Frequency: Varies

UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 12/09/2019
Date Data Arrived at EDR: 12/10/2019
Date Made Active in Reports: 02/21/2020
Number of Days to Update: 73

Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 03/10/2020
Next Scheduled EDR Contact: 06/22/2020
Data Release Frequency: Semi-Annually

AST: Aboveground Petroleum Storage Tank Facilities

A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 07/06/2016
Date Data Arrived at EDR: 07/12/2016
Date Made Active in Reports: 09/19/2016
Number of Days to Update: 69

Source: California Environmental Protection Agency
Telephone: 916-327-5092
Last EDR Contact: 03/12/2020
Next Scheduled EDR Contact: 06/29/2020
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 10/11/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 68

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 04/24/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 10/01/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 68

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 04/24/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 10/10/2019	Source: EPA Region 4
Date Data Arrived at EDR: 12/05/2019	Telephone: 404-562-9424
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 04/24/2020
Number of Days to Update: 67	Next Scheduled EDR Contact: 08/03/2020
	Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 10/01/2019	Source: EPA Region 5
Date Data Arrived at EDR: 12/04/2019	Telephone: 312-886-6136
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 04/24/2020
Number of Days to Update: 68	Next Scheduled EDR Contact: 08/03/2020
	Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 10/02/2019	Source: EPA Region 6
Date Data Arrived at EDR: 12/04/2019	Telephone: 214-665-7591
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 04/24/2020
Number of Days to Update: 68	Next Scheduled EDR Contact: 08/03/2020
	Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 10/11/2019	Source: EPA Region 7
Date Data Arrived at EDR: 12/04/2019	Telephone: 913-551-7003
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 04/24/2020
Number of Days to Update: 68	Next Scheduled EDR Contact: 08/03/2020
	Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 10/03/2019	Source: EPA Region 8
Date Data Arrived at EDR: 12/04/2019	Telephone: 303-312-6137
Date Made Active in Reports: 02/14/2020	Last EDR Contact: 04/24/2020
Number of Days to Update: 72	Next Scheduled EDR Contact: 08/03/2020
	Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 10/04/2019	Source: EPA Region 9
Date Data Arrived at EDR: 12/04/2019	Telephone: 415-972-3368
Date Made Active in Reports: 02/27/2020	Last EDR Contact: 04/24/2020
Number of Days to Update: 85	Next Scheduled EDR Contact: 08/03/2020
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

State and tribal voluntary cleanup sites

VCP: Voluntary Cleanup Program Properties

Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 01/27/2020
Date Data Arrived at EDR: 01/28/2020
Date Made Active in Reports: 04/09/2020
Number of Days to Update: 72

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 04/28/2020
Next Scheduled EDR Contact: 08/10/2020
Data Release Frequency: Quarterly

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 03/18/2020
Next Scheduled EDR Contact: 07/06/2020
Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

State and tribal Brownfields sites

BROWNFIELDS: Considered Brownfields Sites Listing

A listing of sites the SWRCB considers to be Brownfields since these are sites have come to them through the MOA Process.

Date of Government Version: 12/18/2019
Date Data Arrived at EDR: 12/19/2019
Date Made Active in Reports: 02/19/2020
Number of Days to Update: 62

Source: State Water Resources Control Board
Telephone: 916-323-7905
Last EDR Contact: 03/24/2020
Next Scheduled EDR Contact: 07/06/2020
Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 12/02/2019
Date Data Arrived at EDR: 12/16/2019
Date Made Active in Reports: 03/06/2020
Number of Days to Update: 81

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 03/17/2020
Next Scheduled EDR Contact: 06/29/2020
Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT: Waste Management Unit Database

Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000
Date Data Arrived at EDR: 04/10/2000
Date Made Active in Reports: 05/10/2000
Number of Days to Update: 30

Source: State Water Resources Control Board
Telephone: 916-227-4448
Last EDR Contact: 04/16/2020
Next Scheduled EDR Contact: 08/10/2020
Data Release Frequency: No Update Planned

SWRCY: Recycler Database

A listing of recycling facilities in California.

Date of Government Version: 12/09/2019
Date Data Arrived at EDR: 12/10/2019
Date Made Active in Reports: 02/19/2020
Number of Days to Update: 71

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 03/10/2020
Next Scheduled EDR Contact: 06/22/2020
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing

A listing of registered waste tire haulers.

Date of Government Version: 11/15/2019
Date Data Arrived at EDR: 11/15/2019
Date Made Active in Reports: 01/23/2020
Number of Days to Update: 69

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 02/07/2020
Next Scheduled EDR Contact: 05/25/2020
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 04/16/2020
Next Scheduled EDR Contact: 08/10/2020
Data Release Frequency: Varies

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 04/09/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

IHS OPEN DUMPS: Open Dumps on Indian Land

A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Services, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 01/31/2020
Next Scheduled EDR Contact: 05/11/2020
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 06/11/2019
Date Data Arrived at EDR: 06/13/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 82

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 02/21/2020
Next Scheduled EDR Contact: 06/08/2020
Data Release Frequency: No Update Planned

HIST CAL-SITES: Calsites Database

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005
Date Data Arrived at EDR: 08/03/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 21

Source: Department of Toxic Substance Control
Telephone: 916-323-3400
Last EDR Contact: 02/23/2009
Next Scheduled EDR Contact: 05/25/2009
Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 01/27/2020
Date Data Arrived at EDR: 01/28/2020
Date Made Active in Reports: 04/09/2020
Number of Days to Update: 72

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 04/28/2020
Next Scheduled EDR Contact: 08/10/2020
Data Release Frequency: Quarterly

CDL: Clandestine Drug Labs

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 02/05/2020
Date Made Active in Reports: 04/15/2020
Number of Days to Update: 70

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 04/20/2020
Next Scheduled EDR Contact: 07/20/2020
Data Release Frequency: Varies

CERS HAZ WASTE: CERS HAZ WASTE

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/21/2020
Date Data Arrived at EDR: 01/22/2020
Date Made Active in Reports: 04/01/2020
Number of Days to Update: 70

Source: CalEPA
Telephone: 916-323-2514
Last EDR Contact: 04/21/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Quarterly

TOXIC PITS: Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995
Date Data Arrived at EDR: 08/30/1995
Date Made Active in Reports: 09/26/1995
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 916-227-4364
Last EDR Contact: 01/26/2009
Next Scheduled EDR Contact: 04/27/2009
Data Release Frequency: No Update Planned

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 06/11/2019
Date Data Arrived at EDR: 06/13/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 82

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 02/21/2020
Next Scheduled EDR Contact: 06/08/2020
Data Release Frequency: Quarterly

PFAS: PFAS Contamination Site Location Listing

A listing of PFAS contaminated sites included in the GeoTracker database.

Date of Government Version: 12/09/2019
Date Data Arrived at EDR: 12/10/2019
Date Made Active in Reports: 02/19/2020
Number of Days to Update: 71

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/10/2020
Next Scheduled EDR Contact: 06/22/2020
Data Release Frequency: Varies

Local Lists of Registered Storage Tanks

SWEEPS UST: SWEEPS UST Listing

Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

Date of Government Version: 06/01/1994
Date Data Arrived at EDR: 07/07/2005
Date Made Active in Reports: 08/11/2005
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/03/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

UST MENDOCINO: Mendocino County UST Database

A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 12/19/2019
Date Data Arrived at EDR: 12/23/2019
Date Made Active in Reports: 02/21/2020
Number of Days to Update: 60

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 02/21/2020
Next Scheduled EDR Contact: 06/08/2020
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

HIST UST: Hazardous Substance Storage Container Database

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990
Date Data Arrived at EDR: 01/25/1991
Date Made Active in Reports: 02/12/1991
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-341-5851
Last EDR Contact: 07/26/2001
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SAN FRANCISCO AST: Aboveground Storage Tank Site Listing

Aboveground storage tank sites

Date of Government Version: 08/01/2019
Date Data Arrived at EDR: 08/02/2019
Date Made Active in Reports: 10/11/2019
Number of Days to Update: 70

Source: San Francisco County Department of Public Health
Telephone: 415-252-3896
Last EDR Contact: 04/23/2020
Next Scheduled EDR Contact: 08/17/2020
Data Release Frequency: Varies

CA FID UST: Facility Inventory Database

The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994
Date Data Arrived at EDR: 09/05/1995
Date Made Active in Reports: 09/29/1995
Number of Days to Update: 24

Source: California Environmental Protection Agency
Telephone: 916-341-5851
Last EDR Contact: 12/28/1998
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CERS TANKS: California Environmental Reporting System (CERS) Tanks

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs.

Date of Government Version: 01/21/2020
Date Data Arrived at EDR: 01/22/2020
Date Made Active in Reports: 04/01/2020
Number of Days to Update: 70

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 04/21/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Quarterly

Local Land Records

LIENS: Environmental Liens Listing

A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 12/02/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/04/2020
Number of Days to Update: 62

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 02/27/2020
Next Scheduled EDR Contact: 06/15/2020
Data Release Frequency: Varies

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 01/30/2020
Date Data Arrived at EDR: 02/05/2020
Date Made Active in Reports: 02/14/2020
Number of Days to Update: 9

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 04/02/2020
Next Scheduled EDR Contact: 07/13/2020
Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

DEED: Deed Restriction Listing

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 12/03/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/04/2020
Number of Days to Update: 62

Source: DTSC and SWRCB
Telephone: 916-323-3400
Last EDR Contact: 03/03/2020
Next Scheduled EDR Contact: 06/15/2020
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/05/2019
Date Data Arrived at EDR: 12/06/2019
Date Made Active in Reports: 02/14/2020
Number of Days to Update: 70

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 03/24/2020
Next Scheduled EDR Contact: 07/06/2020
Data Release Frequency: Quarterly

CHMIRS: California Hazardous Material Incident Report System

California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 12/24/2019
Date Data Arrived at EDR: 01/22/2020
Date Made Active in Reports: 03/30/2020
Number of Days to Update: 68

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 04/21/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Semi-Annually

LDS: Land Disposal Sites Listing (GEOTRACKER)

Land Disposal sites (Landfills) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 12/09/2019
Date Data Arrived at EDR: 12/10/2019
Date Made Active in Reports: 02/14/2020
Number of Days to Update: 66

Source: State Water Quality Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/10/2020
Next Scheduled EDR Contact: 06/22/2020
Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing (GEOTRACKER)

Military sites (consisting of: Military UST sites; Military Privatized sites; and Military Cleanup sites [formerly known as DoD non UST]) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 12/09/2019
Date Data Arrived at EDR: 12/10/2019
Date Made Active in Reports: 02/18/2020
Number of Days to Update: 70

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/10/2020
Next Scheduled EDR Contact: 06/22/2020
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/22/2013
Number of Days to Update: 50

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 12/16/2019
Date Data Arrived at EDR: 12/16/2019
Date Made Active in Reports: 12/20/2019
Number of Days to Update: 4

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/25/2020
Next Scheduled EDR Contact: 07/06/2020
Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 11/12/2019
Date Data Arrived at EDR: 11/19/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 70

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 02/19/2020
Next Scheduled EDR Contact: 06/01/2020
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 04/10/2020
Next Scheduled EDR Contact: 07/20/2020
Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/11/2018
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 574

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 04/06/2020
Next Scheduled EDR Contact: 07/20/2020
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/01/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 02/13/2020
Next Scheduled EDR Contact: 05/25/2020
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 12/16/2019
Date Data Arrived at EDR: 12/19/2019
Date Made Active in Reports: 02/27/2020
Number of Days to Update: 70

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 03/24/2020
Next Scheduled EDR Contact: 07/06/2020
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 02/03/2020
Next Scheduled EDR Contact: 05/18/2020
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 02/07/2020
Next Scheduled EDR Contact: 05/18/2020
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 06/21/2017
Date Made Active in Reports: 01/05/2018
Number of Days to Update: 198

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 03/20/2020
Next Scheduled EDR Contact: 06/29/2020
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 02/05/2020
Date Made Active in Reports: 04/24/2020
Number of Days to Update: 79

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 02/05/2020
Next Scheduled EDR Contact: 06/01/2020
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 05/01/2019
Date Data Arrived at EDR: 10/23/2019
Date Made Active in Reports: 01/15/2020
Number of Days to Update: 84

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 04/21/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 01/30/2020
Date Data Arrived at EDR: 02/05/2020
Date Made Active in Reports: 02/14/2020
Number of Days to Update: 9

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 04/02/2020
Next Scheduled EDR Contact: 06/15/2020
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 11/05/2019
Date Data Arrived at EDR: 11/20/2019
Date Made Active in Reports: 04/17/2020
Number of Days to Update: 149

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 04/15/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 01/30/2020	Source: EPA
Date Data Arrived at EDR: 02/06/2020	Telephone: 202-564-6023
Date Made Active in Reports: 02/14/2020	Last EDR Contact: 04/02/2020
Number of Days to Update: 8	Next Scheduled EDR Contact: 05/18/2020
	Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 10/09/2019	Source: EPA
Date Data Arrived at EDR: 10/11/2019	Telephone: 202-566-0500
Date Made Active in Reports: 12/20/2019	Last EDR Contact: 04/10/2020
Number of Days to Update: 70	Next Scheduled EDR Contact: 07/20/2020
	Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/23/2016	Telephone: 202-564-2501
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 03/26/2020
Number of Days to Update: 79	Next Scheduled EDR Contact: 07/20/2020
	Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/18/2017
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/04/2017
	Data Release Frequency: No Update Planned

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009	Source: EPA
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/18/2017
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/04/2017
	Data Release Frequency: No Update Planned

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 10/25/2019	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 10/25/2019	Telephone: 301-415-7169
Date Made Active in Reports: 01/15/2020	Last EDR Contact: 04/10/2020
Number of Days to Update: 82	Next Scheduled EDR Contact: 08/03/2020
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

COAL ASH DOE: Steam-Electric Plant Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2018	Source: Department of Energy
Date Data Arrived at EDR: 12/04/2019	Telephone: 202-586-8719
Date Made Active in Reports: 01/15/2020	Last EDR Contact: 03/06/2020
Number of Days to Update: 42	Next Scheduled EDR Contact: 06/15/2020
	Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 01/12/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/05/2019	Telephone: N/A
Date Made Active in Reports: 11/11/2019	Last EDR Contact: 02/27/2020
Number of Days to Update: 251	Next Scheduled EDR Contact: 06/15/2020
	Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 09/13/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/06/2019	Telephone: 202-566-0517
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 02/07/2020
Number of Days to Update: 96	Next Scheduled EDR Contact: 05/18/2020
	Data Release Frequency: Varies

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/01/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/01/2019	Telephone: 202-343-9775
Date Made Active in Reports: 09/23/2019	Last EDR Contact: 07/01/2019
Number of Days to Update: 84	Next Scheduled EDR Contact: 07/13/2020
	Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2007
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/17/2008
	Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transportation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 01/02/2020
Date Data Arrived at EDR: 01/28/2020
Date Made Active in Reports: 04/17/2020
Number of Days to Update: 80

Source: Department of Transportation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 04/28/2020
Next Scheduled EDR Contact: 08/10/2020
Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 01/17/2020
Date Made Active in Reports: 03/06/2020
Number of Days to Update: 49

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 03/26/2020
Next Scheduled EDR Contact: 07/20/2020
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 09/28/2017
Number of Days to Update: 218

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 03/25/2020
Next Scheduled EDR Contact: 07/06/2020
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 04/10/2020
Next Scheduled EDR Contact: 07/20/2020
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 08/08/2017
Date Data Arrived at EDR: 09/11/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 3

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 01/31/2020
Next Scheduled EDR Contact: 05/18/2020
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/30/2019
Date Data Arrived at EDR: 11/15/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 74

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 02/21/2020
Next Scheduled EDR Contact: 06/01/2020
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 01/30/2020
Date Data Arrived at EDR: 02/05/2020
Date Made Active in Reports: 02/14/2020
Number of Days to Update: 9

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 04/02/2020
Next Scheduled EDR Contact: 07/13/2020
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931 and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust.

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

MINES VIOLATIONS: MSHA Violation Assessment Data

Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 12/03/2019
Date Data Arrived at EDR: 12/03/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 56

Source: DOL, Mine Safety & Health Administration
Telephone: 202-693-9424
Last EDR Contact: 03/02/2020
Next Scheduled EDR Contact: 06/15/2020
Data Release Frequency: Quarterly

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 11/06/2019
Date Data Arrived at EDR: 11/25/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 64

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 02/25/2020
Next Scheduled EDR Contact: 06/08/2020
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 12/05/2005
Date Data Arrived at EDR: 02/29/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 49

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 02/28/2020
Next Scheduled EDR Contact: 06/08/2020
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 02/28/2020
Next Scheduled EDR Contact: 06/08/2020
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 12/09/2019
Date Data Arrived at EDR: 12/11/2019
Date Made Active in Reports: 02/27/2020
Number of Days to Update: 78

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 03/05/2020
Next Scheduled EDR Contact: 06/22/2020
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 11/22/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 03/02/2020
Number of Days to Update: 89

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 03/03/2020
Next Scheduled EDR Contact: 06/15/2020
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 01/17/2019
Date Made Active in Reports: 04/01/2019
Number of Days to Update: 74

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 04/03/2020
Next Scheduled EDR Contact: 07/27/2020
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/31/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/26/2018	Telephone: 202-564-0527
Date Made Active in Reports: 10/05/2018	Last EDR Contact: 02/21/2020
Number of Days to Update: 71	Next Scheduled EDR Contact: 06/08/2020
	Data Release Frequency: Varies

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 01/05/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/07/2020	Telephone: 202-564-2280
Date Made Active in Reports: 03/06/2020	Last EDR Contact: 04/07/2020
Number of Days to Update: 59	Next Scheduled EDR Contact: 07/20/2020
	Data Release Frequency: Quarterly

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 11/18/2019	Source: EPA
Date Data Arrived at EDR: 11/19/2019	Telephone: 800-385-6164
Date Made Active in Reports: 01/28/2020	Last EDR Contact: 02/19/2020
Number of Days to Update: 70	Next Scheduled EDR Contact: 06/01/2020
	Data Release Frequency: Quarterly

CA BOND EXP. PLAN: Bond Expenditure Plan

Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989	Source: Department of Health Services
Date Data Arrived at EDR: 07/27/1994	Telephone: 916-255-2118
Date Made Active in Reports: 08/02/1994	Last EDR Contact: 05/31/1994
Number of Days to Update: 6	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

CORTESE: "Cortese" Hazardous Waste & Substances Sites List

The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

Date of Government Version: 12/18/2019	Source: CAL EPA/Office of Emergency Information
Date Data Arrived at EDR: 12/20/2019	Telephone: 916-323-3400
Date Made Active in Reports: 02/20/2020	Last EDR Contact: 03/24/2020
Number of Days to Update: 62	Next Scheduled EDR Contact: 07/06/2020
	Data Release Frequency: Quarterly

CUPA SAN FRANCISCO CO: CUPA Facility Listing

Cupa facilities

Date of Government Version: 02/03/2020	Source: San Francisco County Department of Environmental Health
Date Data Arrived at EDR: 02/04/2020	Telephone: 415-252-3896
Date Made Active in Reports: 04/09/2020	Last EDR Contact: 04/23/2020
Number of Days to Update: 65	Next Scheduled EDR Contact: 08/17/2020
	Data Release Frequency: Varies

CUPA LIVERMORE-PLEASANTON: CUPA Facility Listing

list of facilities associated with the various CUPA programs in Livermore-Pleasanton

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/01/2019
Date Data Arrived at EDR: 05/14/2019
Date Made Active in Reports: 07/17/2019
Number of Days to Update: 64

Source: Livermore-Pleasanton Fire Department
Telephone: 925-454-2361
Last EDR Contact: 02/14/2020
Next Scheduled EDR Contact: 05/25/2020
Data Release Frequency: Varies

DRYCLEAN SOUTH COAST: South Coast Air Quality Management District Drycleaner Listing

A listing of dry cleaners in the South Coast Air Quality Management District

Date of Government Version: 01/31/2020
Date Data Arrived at EDR: 01/31/2020
Date Made Active in Reports: 04/09/2020
Number of Days to Update: 69

Source: South Coast Air Quality Management District
Telephone: 909-396-3211
Last EDR Contact: 02/21/2020
Next Scheduled EDR Contact: 06/08/2020
Data Release Frequency: Varies

DRYCLEANERS: Cleaner Facilities

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 12/04/2019
Date Data Arrived at EDR: 01/29/2020
Date Made Active in Reports: 04/09/2020
Number of Days to Update: 71

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 02/27/2020
Next Scheduled EDR Contact: 06/15/2020
Data Release Frequency: Annually

DRYCLEAN AVAQMD: Antelope Valley Air Quality Management District Drycleaner Listing

A listing of dry cleaners in the Antelope Valley Air Quality Management District.

Date of Government Version: 12/02/2019
Date Data Arrived at EDR: 12/03/2019
Date Made Active in Reports: 02/04/2020
Number of Days to Update: 63

Source: Antelope Valley Air Quality Management District
Telephone: 661-723-8070
Last EDR Contact: 02/27/2020
Next Scheduled EDR Contact: 06/15/2020
Data Release Frequency: Varies

EMI: Emissions Inventory Data

Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 06/24/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 59

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 03/20/2020
Next Scheduled EDR Contact: 06/29/2020
Data Release Frequency: Varies

ENF: Enforcement Action Listing

A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 04/03/2020
Date Data Arrived at EDR: 04/07/2020
Date Made Active in Reports: 04/15/2020
Number of Days to Update: 8

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 04/03/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing

Financial Assurance information

Date of Government Version: 01/21/2020
Date Data Arrived at EDR: 01/23/2020
Date Made Active in Reports: 04/01/2020
Number of Days to Update: 69

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 04/09/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Financial Assurance 2: Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 02/19/2020	Source: California Integrated Waste Management Board
Date Data Arrived at EDR: 02/20/2020	Telephone: 916-341-6066
Date Made Active in Reports: 04/24/2020	Last EDR Contact: 02/07/2020
Number of Days to Update: 64	Next Scheduled EDR Contact: 05/25/2020
	Data Release Frequency: Varies

HAZNET: Facility and Manifest Data

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method. This database begins with calendar year 1993.

Date of Government Version: 12/31/2017	Source: California Environmental Protection Agency
Date Data Arrived at EDR: 05/29/2019	Telephone: 916-255-1136
Date Made Active in Reports: 07/22/2019	Last EDR Contact: 04/15/2020
Number of Days to Update: 54	Next Scheduled EDR Contact: 07/20/2020
	Data Release Frequency: Annually

ICE: ICE

Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirostor.

Date of Government Version: 02/18/2020	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 02/19/2020	Telephone: 877-786-9427
Date Made Active in Reports: 04/24/2020	Last EDR Contact: 02/19/2020
Number of Days to Update: 65	Next Scheduled EDR Contact: 06/01/2020
	Data Release Frequency: Quarterly

HIST CORTESE: Hazardous Waste & Substance Site List

The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 01/22/2009	Telephone: 916-323-3400
Date Made Active in Reports: 04/08/2009	Last EDR Contact: 01/22/2009
Number of Days to Update: 76	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

HWP: EnviroStor Permitted Facilities Listing

Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 02/18/2020	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 02/19/2020	Telephone: 916-323-3400
Date Made Active in Reports: 04/24/2020	Last EDR Contact: 02/19/2020
Number of Days to Update: 65	Next Scheduled EDR Contact: 06/01/2020
	Data Release Frequency: Quarterly

HWT: Registered Hazardous Waste Transporter Database

A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 01/06/2020	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 01/07/2020	Telephone: 916-440-7145
Date Made Active in Reports: 03/05/2020	Last EDR Contact: 04/09/2020
Number of Days to Update: 58	Next Scheduled EDR Contact: 07/20/2020
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

MINES: Mines Site Location Listing

A listing of mine site locations from the Office of Mine Reclamation.

Date of Government Version: 12/09/2019
Date Data Arrived at EDR: 12/10/2019
Date Made Active in Reports: 02/24/2020
Number of Days to Update: 76

Source: Department of Conservation
Telephone: 916-322-1080
Last EDR Contact: 03/10/2020
Next Scheduled EDR Contact: 06/22/2020
Data Release Frequency: Quarterly

MWMP: Medical Waste Management Program Listing

The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 11/22/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/04/2020
Number of Days to Update: 62

Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 03/03/2020
Next Scheduled EDR Contact: 06/15/2020
Data Release Frequency: Varies

NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

Date of Government Version: 02/10/2020
Date Data Arrived at EDR: 02/11/2020
Date Made Active in Reports: 04/20/2020
Number of Days to Update: 69

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 02/11/2020
Next Scheduled EDR Contact: 05/25/2020
Data Release Frequency: Quarterly

PEST LIC: Pesticide Regulation Licenses Listing

A listing of licenses and certificates issued by the Department of Pesticide Regulation. The DPR issues licenses and/or certificates to: Persons and businesses that apply or sell pesticides; Pest control dealers and brokers; Persons who advise on agricultural pesticide applications.

Date of Government Version: 12/03/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/04/2020
Number of Days to Update: 62

Source: Department of Pesticide Regulation
Telephone: 916-445-4038
Last EDR Contact: 03/03/2020
Next Scheduled EDR Contact: 06/15/2020
Data Release Frequency: Quarterly

PROC: Certified Processors Database

A listing of certified processors.

Date of Government Version: 12/09/2019
Date Data Arrived at EDR: 12/10/2019
Date Made Active in Reports: 02/19/2020
Number of Days to Update: 71

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 03/10/2020
Next Scheduled EDR Contact: 06/22/2020
Data Release Frequency: Quarterly

NOTIFY 65: Proposition 65 Records

Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 12/11/2019
Date Data Arrived at EDR: 12/12/2019
Date Made Active in Reports: 02/21/2020
Number of Days to Update: 71

Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 03/12/2020
Next Scheduled EDR Contact: 06/29/2020
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UIC: UIC Listing

A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 12/06/2019	Source: Department of Conservation
Date Data Arrived at EDR: 12/10/2019	Telephone: 916-445-2408
Date Made Active in Reports: 02/19/2020	Last EDR Contact: 03/10/2020
Number of Days to Update: 71	Next Scheduled EDR Contact: 06/22/2020
	Data Release Frequency: Varies

UIC GEO: Underground Injection Control Sites (GEOTRACKER)

Underground control injection sites

Date of Government Version: 12/09/2019	Source: State Water Resource Control Board
Date Data Arrived at EDR: 12/10/2019	Telephone: 866-480-1028
Date Made Active in Reports: 02/18/2020	Last EDR Contact: 03/10/2020
Number of Days to Update: 70	Next Scheduled EDR Contact: 06/22/2020
	Data Release Frequency: Varies

WASTEWATER PITS: Oil Wastewater Pits Listing

Water officials discovered that oil producers have been dumping chemical-laden wastewater into hundreds of unlined pits that are operating without proper permits. Inspections completed by the Central Valley Regional Water Quality Control Board revealed the existence of previously unidentified waste sites. The water boards review found that more than one-third of the region's active disposal pits are operating without permission.

Date of Government Version: 11/19/2019	Source: RWQCB, Central Valley Region
Date Data Arrived at EDR: 01/07/2020	Telephone: 559-445-5577
Date Made Active in Reports: 03/09/2020	Last EDR Contact: 04/10/2020
Number of Days to Update: 62	Next Scheduled EDR Contact: 07/20/2020
	Data Release Frequency: Varies

WDS: Waste Discharge System

Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007	Source: State Water Resources Control Board
Date Data Arrived at EDR: 06/20/2007	Telephone: 916-341-5227
Date Made Active in Reports: 06/29/2007	Last EDR Contact: 02/14/2020
Number of Days to Update: 9	Next Scheduled EDR Contact: 06/01/2020
	Data Release Frequency: No Update Planned

WIP: Well Investigation Program Case List

Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009	Source: Los Angeles Water Quality Control Board
Date Data Arrived at EDR: 07/21/2009	Telephone: 213-576-6726
Date Made Active in Reports: 08/03/2009	Last EDR Contact: 03/18/2020
Number of Days to Update: 13	Next Scheduled EDR Contact: 07/06/2020
	Data Release Frequency: No Update Planned

MILITARY PRIV SITES: Military Privatized Sites (GEOTRACKER)

Military privatized sites

Date of Government Version: 12/09/2019	Source: State Water Resources Control Board
Date Data Arrived at EDR: 12/10/2019	Telephone: 866-480-1028
Date Made Active in Reports: 02/18/2020	Last EDR Contact: 03/10/2020
Number of Days to Update: 70	Next Scheduled EDR Contact: 06/22/2020
	Data Release Frequency: Varies

PROJECT: Project Sites (GEOTRACKER)

Projects sites

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/09/2019
Date Data Arrived at EDR: 12/10/2019
Date Made Active in Reports: 02/18/2020
Number of Days to Update: 70

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/10/2020
Next Scheduled EDR Contact: 06/22/2020
Data Release Frequency: Varies

WDR: Waste Discharge Requirements Listing

In general, the Waste Discharge Requirements (WDRs) Program (sometimes also referred to as the "Non Chapter 15 (Non 15) Program") regulates point discharges that are exempt pursuant to Subsection 20090 of Title 27 and not subject to the Federal Water Pollution Control Act. Exemptions from Title 27 may be granted for nine categories of discharges (e.g., sewage, wastewater, etc.) that meet, and continue to meet, the preconditions listed for each specific exemption. The scope of the WDRs Program also includes the discharge of wastes classified as inert, pursuant to section 20230 of Title 27.

Date of Government Version: 12/09/2019
Date Data Arrived at EDR: 12/10/2019
Date Made Active in Reports: 02/19/2020
Number of Days to Update: 71

Source: State Water Resources Control Board
Telephone: 916-341-5810
Last EDR Contact: 03/10/2020
Next Scheduled EDR Contact: 06/22/2020
Data Release Frequency: Quarterly

CIWQS: California Integrated Water Quality System

The California Integrated Water Quality System (CIWQS) is a computer system used by the State and Regional Water Quality Control Boards to track information about places of environmental interest, manage permits and other orders, track inspections, and manage violations and enforcement activities.

Date of Government Version: 12/03/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/04/2020
Number of Days to Update: 62

Source: State Water Resources Control Board
Telephone: 866-794-4977
Last EDR Contact: 03/03/2020
Next Scheduled EDR Contact: 06/15/2020
Data Release Frequency: Varies

CERS: CalEPA Regulated Site Portal Data

The CalEPA Regulated Site Portal database combines data about environmentally regulated sites and facilities in California into a single database. It combines data from a variety of state and federal databases, and provides an overview of regulated activities across the spectrum of environmental programs for any given location in California. These activities include hazardous materials and waste, state and federal cleanups, impacted ground and surface waters, and toxic materials

Date of Government Version: 01/21/2020
Date Data Arrived at EDR: 01/22/2020
Date Made Active in Reports: 04/01/2020
Number of Days to Update: 70

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 04/21/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

NON-CASE INFO: Non-Case Information Sites (GEOTRACKER)

Non-Case Information sites

Date of Government Version: 12/09/2019
Date Data Arrived at EDR: 12/10/2019
Date Made Active in Reports: 02/18/2020
Number of Days to Update: 70

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/10/2020
Next Scheduled EDR Contact: 06/22/2020
Data Release Frequency: Varies

OTHER OIL GAS: Other Oil & Gas Projects Sites (GEOTRACKER)

Other Oil & Gas Projects sites

Date of Government Version: 12/09/2019
Date Data Arrived at EDR: 12/10/2019
Date Made Active in Reports: 02/18/2020
Number of Days to Update: 70

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/10/2020
Next Scheduled EDR Contact: 06/22/2020
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PROD WATER PONDS: Produced Water Ponds Sites (GEOTRACKER)

Produced water ponds sites

Date of Government Version: 12/09/2019
Date Data Arrived at EDR: 12/10/2019
Date Made Active in Reports: 02/18/2020
Number of Days to Update: 70

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/10/2020
Next Scheduled EDR Contact: 06/22/2020
Data Release Frequency: Varies

SAMPLING POINT: Sampling Point ? Public Sites (GEOTRACKER)

Sampling point - public sites

Date of Government Version: 12/09/2019
Date Data Arrived at EDR: 12/10/2019
Date Made Active in Reports: 02/18/2020
Number of Days to Update: 70

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/10/2020
Next Scheduled EDR Contact: 06/22/2020
Data Release Frequency: Varies

WELL STIM PROJ: Well Stimulation Project (GEOTRACKER)

Includes areas of groundwater monitoring plans, a depiction of the monitoring network, and the facilities, boundaries, and subsurface characteristics of the oilfield and the features (oil and gas wells, produced water ponds, UIC wells, water supply wells, etc?) being monitored

Date of Government Version: 12/09/2019
Date Data Arrived at EDR: 12/10/2019
Date Made Active in Reports: 02/18/2020
Number of Days to Update: 70

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/10/2020
Next Scheduled EDR Contact: 06/22/2020
Data Release Frequency: Varies

MINES MRDS: Mineral Resources Data System

Mineral Resources Data System

Date of Government Version: 04/06/2018
Date Data Arrived at EDR: 10/21/2019
Date Made Active in Reports: 10/24/2019
Number of Days to Update: 3

Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 02/28/2020
Next Scheduled EDR Contact: 06/08/2020
Data Release Frequency: Varies

HWTS: Hazardous Waste Tracking System

The Hazardous Waste Tracking System (HWTS) is the Department of Toxic Substances Control's data repository for hazardous waste Identification (ID) numbers and manifest information. HWTS generates reports on hazardous waste shipments for generators, transporters, and TSDFs.

Date of Government Version: 10/15/2019
Date Data Arrived at EDR: 11/14/2019
Date Made Active in Reports: 02/07/2020
Number of Days to Update: 85

Source: Department of Toxic Substances Control
Telephone: 916-324-2444
Last EDR Contact: 03/26/2020
Next Scheduled EDR Contact: 07/20/2020
Data Release Frequency: Varies

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Department of Resources Recycling and Recovery
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

COUNTY RECORDS

ALAMEDA COUNTY:

CS ALAMEDA: Contaminated Sites

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 01/09/2019
Date Data Arrived at EDR: 01/11/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 53

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 03/26/2020
Next Scheduled EDR Contact: 07/20/2020
Data Release Frequency: Semi-Annually

UST ALAMEDA: Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 01/06/2020
Date Data Arrived at EDR: 01/07/2020
Date Made Active in Reports: 03/06/2020
Number of Days to Update: 59

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 04/20/2020
Next Scheduled EDR Contact: 07/20/2020
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA AMADOR: CUPA Facility List

Cupa Facility List

Date of Government Version: 09/06/2019
Date Data Arrived at EDR: 09/10/2019
Date Made Active in Reports: 10/31/2019
Number of Days to Update: 51

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 02/27/2020
Next Scheduled EDR Contact: 06/15/2020
Data Release Frequency: Varies

BUTTE COUNTY:

CUPA BUTTE: CUPA Facility Listing

Cupa facility list.

Date of Government Version: 04/21/2017
Date Data Arrived at EDR: 04/25/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 106

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 03/26/2020
Next Scheduled EDR Contact: 07/20/2020
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA CALVERAS: CUPA Facility Listing

Cupa Facility Listing

Date of Government Version: 12/02/2019
Date Data Arrived at EDR: 12/03/2019
Date Made Active in Reports: 02/04/2020
Number of Days to Update: 63

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 03/18/2020
Next Scheduled EDR Contact: 07/06/2020
Data Release Frequency: Quarterly

COLUSA COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA COLUSA: CUPA Facility List Cupa facility list.

Date of Government Version: 08/14/2019
Date Data Arrived at EDR: 08/20/2019
Date Made Active in Reports: 10/18/2019
Number of Days to Update: 59

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 04/06/2020
Next Scheduled EDR Contact: 08/17/2020
Data Release Frequency: Semi-Annually

CONTRA COSTA COUNTY:

SL CONTRA COSTA: Site List

List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 02/14/2020
Date Data Arrived at EDR: 02/18/2020
Date Made Active in Reports: 04/24/2020
Number of Days to Update: 66

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 04/16/2020
Next Scheduled EDR Contact: 08/10/2020
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA DEL NORTE: CUPA Facility List Cupa Facility list

Date of Government Version: 12/27/2019
Date Data Arrived at EDR: 01/28/2020
Date Made Active in Reports: 04/09/2020
Number of Days to Update: 72

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 04/16/2020
Next Scheduled EDR Contact: 08/10/2020
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA EL DORADO: CUPA Facility List CUPA facility list.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 01/03/2020
Date Made Active in Reports: 03/05/2020
Number of Days to Update: 62

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 04/15/2020
Next Scheduled EDR Contact: 08/09/2020
Data Release Frequency: Varies

FRESNO COUNTY:

CUPA FRESNO: CUPA Resources List

Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 10/08/2019
Date Data Arrived at EDR: 10/10/2019
Date Made Active in Reports: 12/11/2019
Number of Days to Update: 62

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 03/31/2020
Next Scheduled EDR Contact: 07/13/2020
Data Release Frequency: Semi-Annually

GLENN COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA GLENN: CUPA Facility List Cupa facility list

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 49

Source: Glenn County Air Pollution Control District
Telephone: 830-934-6500
Last EDR Contact: 04/09/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: No Update Planned

HUMBOLDT COUNTY:

CUPA HUMBOLDT: CUPA Facility List CUPA facility list.

Date of Government Version: 11/13/2019
Date Data Arrived at EDR: 11/14/2019
Date Made Active in Reports: 01/23/2020
Number of Days to Update: 70

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 03/26/2020
Next Scheduled EDR Contact: 06/01/2020
Data Release Frequency: Semi-Annually

IMPERIAL COUNTY:

CUPA IMPERIAL: CUPA Facility List Cupa facility list.

Date of Government Version: 01/21/2020
Date Data Arrived at EDR: 01/23/2020
Date Made Active in Reports: 03/30/2020
Number of Days to Update: 67

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 04/09/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

INYO COUNTY:

CUPA INYO: CUPA Facility List Cupa facility list.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/03/2018
Date Made Active in Reports: 06/14/2018
Number of Days to Update: 72

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 02/13/2020
Next Scheduled EDR Contact: 06/01/2020
Data Release Frequency: Varies

KERN COUNTY:

UST KERN: Underground Storage Tank Sites & Tank Listing Kern County Sites and Tanks Listing.

Date of Government Version: 01/31/2020
Date Data Arrived at EDR: 02/05/2020
Date Made Active in Reports: 04/15/2020
Number of Days to Update: 70

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 04/23/2020
Next Scheduled EDR Contact: 08/17/2020
Data Release Frequency: Quarterly

KINGS COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA KINGS: CUPA Facility List

A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 02/13/2020
Date Data Arrived at EDR: 02/14/2020
Date Made Active in Reports: 04/24/2020
Number of Days to Update: 70

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 02/13/2020
Next Scheduled EDR Contact: 06/01/2020
Data Release Frequency: Varies

LAKE COUNTY:

CUPA LAKE: CUPA Facility List Cupa facility list

Date of Government Version: 01/15/2020
Date Data Arrived at EDR: 01/16/2020
Date Made Active in Reports: 04/01/2020
Number of Days to Update: 76

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 04/13/2020
Next Scheduled EDR Contact: 07/27/2020
Data Release Frequency: Varies

LASSEN COUNTY:

CUPA LASSEN: CUPA Facility List Cupa facility list

Date of Government Version: 01/30/2020
Date Data Arrived at EDR: 01/31/2020
Date Made Active in Reports: 04/09/2020
Number of Days to Update: 69

Source: Lassen County Environmental Health
Telephone: 530-251-8528
Last EDR Contact: 04/09/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

LOS ANGELES COUNTY:

AOCONCERN: Key Areas of Concerns in Los Angeles County

San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office. Date of Government Version: 3/30/2009 Exide Site area is a cleanup plan of lead-impacted soil surrounding the former Exide Facility as designated by the DTSC. Date of Government Version: 7/17/2017

Date of Government Version: 03/30/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 10/23/2009
Number of Days to Update: 206

Source: N/A
Telephone: N/A
Last EDR Contact: 03/12/2020
Next Scheduled EDR Contact: 06/29/2020
Data Release Frequency: No Update Planned

HMS LOS ANGELES: HMS: Street Number List

Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 01/15/2020
Date Data Arrived at EDR: 01/16/2020
Date Made Active in Reports: 02/07/2020
Number of Days to Update: 22

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 03/26/2020
Next Scheduled EDR Contact: 07/20/2020
Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LF LOS ANGELES: List of Solid Waste Facilities Solid Waste Facilities in Los Angeles County.

Date of Government Version: 01/13/2020	Source: La County Department of Public Works
Date Data Arrived at EDR: 01/14/2020	Telephone: 818-458-5185
Date Made Active in Reports: 03/24/2020	Last EDR Contact: 04/14/2020
Number of Days to Update: 70	Next Scheduled EDR Contact: 07/27/2020
	Data Release Frequency: Varies

LF LOS ANGELES CITY: City of Los Angeles Landfills Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 01/01/2019	Source: Engineering & Construction Division
Date Data Arrived at EDR: 01/15/2019	Telephone: 213-473-7869
Date Made Active in Reports: 03/07/2019	Last EDR Contact: 04/02/2020
Number of Days to Update: 51	Next Scheduled EDR Contact: 07/27/2020
	Data Release Frequency: Varies

LOS ANGELES AST: Active & Inactive AST Inventory A listing of active & inactive above ground petroleum storage tank site locations, located in the City of Los Angeles.

Date of Government Version: 06/01/2019	Source: Los Angeles Fire Department
Date Data Arrived at EDR: 06/25/2019	Telephone: 213-978-3800
Date Made Active in Reports: 08/22/2019	Last EDR Contact: 03/27/2020
Number of Days to Update: 58	Next Scheduled EDR Contact: 07/06/2020
	Data Release Frequency: Varies

LOS ANGELES CO LF METHANE: Methane Producing Landfills This data was created on April 30, 2012 to represent known disposal sites in Los Angeles County that may produce and emanate methane gas. The shapefile contains disposal sites within Los Angeles County that once accepted degradable refuse material. Information used to create this data was extracted from a landfill survey performed by County Engineers (Major Waste System Map, 1973) as well as historical records from CalRecycle, Regional Water Quality Control Board, and Los Angeles County Department of Public Health

Date of Government Version: 04/30/2012	Source: Los Angeles County Department of Public Works
Date Data Arrived at EDR: 04/17/2019	Telephone: 626-458-6973
Date Made Active in Reports: 05/29/2019	Last EDR Contact: 04/17/2020
Number of Days to Update: 42	Next Scheduled EDR Contact: 07/27/2020
	Data Release Frequency: No Update Planned

LOS ANGELES HM: Active & Inactive Hazardous Materials Inventory A listing of active & inactive hazardous materials facility locations, located in the City of Los Angeles.

Date of Government Version: 06/01/2019	Source: Los Angeles Fire Department
Date Data Arrived at EDR: 06/25/2019	Telephone: 213-978-3800
Date Made Active in Reports: 08/22/2019	Last EDR Contact: 03/27/2020
Number of Days to Update: 58	Next Scheduled EDR Contact: 07/06/2020
	Data Release Frequency: Varies

LOS ANGELES UST: Active & Inactive UST Inventory A listing of active & inactive underground storage tank site locations and underground storage tank historical sites, located in the City of Los Angeles.

Date of Government Version: 06/01/2019	Source: Los Angeles Fire Department
Date Data Arrived at EDR: 06/25/2019	Telephone: 213-978-3800
Date Made Active in Reports: 08/22/2019	Last EDR Contact: 03/27/2020
Number of Days to Update: 58	Next Scheduled EDR Contact: 07/06/2020
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SITE MIT LOS ANGELES: Site Mitigation List

Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 01/14/2020
Date Made Active in Reports: 03/24/2020
Number of Days to Update: 70

Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 04/14/2020
Next Scheduled EDR Contact: 07/27/2020
Data Release Frequency: Annually

UST EL SEGUNDO: City of El Segundo Underground Storage Tank

Underground storage tank sites located in El Segundo city.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 04/19/2017
Date Made Active in Reports: 05/10/2017
Number of Days to Update: 21

Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 04/02/2020
Next Scheduled EDR Contact: 07/27/2020
Data Release Frequency: No Update Planned

UST LONG BEACH: City of Long Beach Underground Storage Tank

Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 04/22/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/27/2019
Number of Days to Update: 65

Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 04/09/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

UST TORRANCE: City of Torrance Underground Storage Tank

Underground storage tank sites located in the city of Torrance.

Date of Government Version: 06/27/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 10/02/2019
Number of Days to Update: 64

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 04/09/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA MADERA: CUPA Facility List

A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 11/18/2019
Date Data Arrived at EDR: 11/20/2019
Date Made Active in Reports: 01/27/2020
Number of Days to Update: 68

Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 02/14/2020
Next Scheduled EDR Contact: 06/01/2020
Data Release Frequency: Varies

MARIN COUNTY:

UST MARIN: Underground Storage Tank Sites

Currently permitted USTs in Marin County.

Date of Government Version: 09/26/2018
Date Data Arrived at EDR: 10/04/2018
Date Made Active in Reports: 11/02/2018
Number of Days to Update: 29

Source: Public Works Department Waste Management
Telephone: 415-473-6647
Last EDR Contact: 03/20/2020
Next Scheduled EDR Contact: 07/13/2020
Data Release Frequency: Semi-Annually

MERCED COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA MERCED: CUPA Facility List CUPA facility list.

Date of Government Version: 11/18/2019
Date Data Arrived at EDR: 11/20/2019
Date Made Active in Reports: 01/03/2020
Number of Days to Update: 44

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 02/13/2020
Next Scheduled EDR Contact: 06/01/2020
Data Release Frequency: Varies

MONO COUNTY:

CUPA MONO: CUPA Facility List CUPA Facility List

Date of Government Version: 11/20/2019
Date Data Arrived at EDR: 12/02/2019
Date Made Active in Reports: 02/07/2020
Number of Days to Update: 67

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 02/21/2020
Next Scheduled EDR Contact: 06/08/2020
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA MONTEREY: CUPA Facility Listing CUPA Program listing from the Environmental Health Division.

Date of Government Version: 11/06/2019
Date Data Arrived at EDR: 11/07/2019
Date Made Active in Reports: 01/08/2020
Number of Days to Update: 62

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 04/13/2020
Next Scheduled EDR Contact: 07/13/2020
Data Release Frequency: Varies

NAPA COUNTY:

LUST NAPA: Sites With Reported Contamination

A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 50

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 02/21/2020
Next Scheduled EDR Contact: 06/08/2020
Data Release Frequency: No Update Planned

UST NAPA: Closed and Operating Underground Storage Tank Sites

Underground storage tank sites located in Napa county.

Date of Government Version: 09/05/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 10/31/2019
Number of Days to Update: 52

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 03/05/2020
Next Scheduled EDR Contact: 06/08/2020
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA NEVADA: CUPA Facility List CUPA facility list.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/05/2020
Date Data Arrived at EDR: 02/06/2020
Date Made Active in Reports: 04/15/2020
Number of Days to Update: 69

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 04/16/2020
Next Scheduled EDR Contact: 08/10/2020
Data Release Frequency: Varies

ORANGE COUNTY:

IND_SITE ORANGE: List of Industrial Site Cleanups
Petroleum and non-petroleum spills.

Date of Government Version: 01/02/2020
Date Data Arrived at EDR: 02/05/2020
Date Made Active in Reports: 04/15/2020
Number of Days to Update: 70

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 02/03/2020
Next Scheduled EDR Contact: 05/18/2020
Data Release Frequency: Annually

LUST ORANGE: List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 01/02/2020
Date Data Arrived at EDR: 02/05/2020
Date Made Active in Reports: 04/15/2020
Number of Days to Update: 70

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 02/03/2020
Next Scheduled EDR Contact: 05/18/2020
Data Release Frequency: Quarterly

UST ORANGE: List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 01/02/2020
Date Data Arrived at EDR: 02/04/2020
Date Made Active in Reports: 04/10/2020
Number of Days to Update: 66

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 02/04/2020
Next Scheduled EDR Contact: 05/18/2020
Data Release Frequency: Quarterly

PLACER COUNTY:

MS PLACER: Master List of Facilities
List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 12/02/2019
Date Data Arrived at EDR: 12/03/2019
Date Made Active in Reports: 02/07/2020
Number of Days to Update: 66

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 02/27/2020
Next Scheduled EDR Contact: 06/15/2020
Data Release Frequency: Semi-Annually

PLUMAS COUNTY:

CUPA PLUMAS: CUPA Facility List
Plumas County CUPA Program facilities.

Date of Government Version: 03/31/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/26/2019
Number of Days to Update: 64

Source: Plumas County Environmental Health
Telephone: 530-283-6355
Last EDR Contact: 04/09/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

RIVERSIDE COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LUST RIVERSIDE: Listing of Underground Tank Cleanup Sites

Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 10/17/2019

Date Data Arrived at EDR: 10/22/2019

Date Made Active in Reports: 12/13/2019

Number of Days to Update: 52

Source: Department of Environmental Health

Telephone: 951-358-5055

Last EDR Contact: 02/10/2020

Next Scheduled EDR Contact: 06/29/2020

Data Release Frequency: Quarterly

UST RIVERSIDE: Underground Storage Tank Tank List

Underground storage tank sites located in Riverside county.

Date of Government Version: 10/17/2019

Date Data Arrived at EDR: 10/22/2019

Date Made Active in Reports: 01/03/2020

Number of Days to Update: 73

Source: Department of Environmental Health

Telephone: 951-358-5055

Last EDR Contact: 02/10/2020

Next Scheduled EDR Contact: 06/29/2020

Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

CS SACRAMENTO: Toxic Site Clean-Up List

List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 11/14/2019

Date Data Arrived at EDR: 12/23/2019

Date Made Active in Reports: 02/20/2020

Number of Days to Update: 59

Source: Sacramento County Environmental Management

Telephone: 916-875-8406

Last EDR Contact: 03/31/2020

Next Scheduled EDR Contact: 07/13/2020

Data Release Frequency: Quarterly

ML SACRAMENTO: Master Hazardous Materials Facility List

Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 11/14/2019

Date Data Arrived at EDR: 12/23/2019

Date Made Active in Reports: 02/21/2020

Number of Days to Update: 60

Source: Sacramento County Environmental Management

Telephone: 916-875-8406

Last EDR Contact: 03/31/2020

Next Scheduled EDR Contact: 07/13/2020

Data Release Frequency: Quarterly

SAN BENITO COUNTY:

CUPA SAN BENITO: CUPA Facility List

Cupa facility list

Date of Government Version: 02/12/2020

Date Data Arrived at EDR: 02/13/2020

Date Made Active in Reports: 04/23/2020

Number of Days to Update: 70

Source: San Benito County Environmental Health

Telephone: N/A

Last EDR Contact: 04/23/2020

Next Scheduled EDR Contact: 08/17/2020

Data Release Frequency: Varies

SAN BERNARDINO COUNTY:

PERMITS SAN BERNARDINO: Hazardous Material Permits

This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 11/26/2019
Date Data Arrived at EDR: 11/27/2019
Date Made Active in Reports: 02/04/2020
Number of Days to Update: 69

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 04/23/2020
Next Scheduled EDR Contact: 08/17/2020
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

HMMD SAN DIEGO: Hazardous Materials Management Division Database

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 12/03/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/04/2020
Number of Days to Update: 62

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 03/03/2020
Next Scheduled EDR Contact: 06/15/2020
Data Release Frequency: Quarterly

LF SAN DIEGO: Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 04/18/2018
Date Data Arrived at EDR: 04/24/2018
Date Made Active in Reports: 06/19/2018
Number of Days to Update: 56

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 04/09/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

SAN DIEGO CO LOP: Local Oversight Program Listing

A listing of all LOP release sites that are or were under the County of San Diego's jurisdiction. Included are closed or transferred cases, open cases, and cases that did not have a case type indicated. The cases without a case type are mostly complaints; however, some of them could be LOP cases.

Date of Government Version: 12/26/2019
Date Data Arrived at EDR: 01/22/2020
Date Made Active in Reports: 04/01/2020
Number of Days to Update: 70

Source: Department of Environmental Health
Telephone: 858-505-6874
Last EDR Contact: 04/09/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

SAN DIEGO CO SAM: Environmental Case Listing

The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010
Date Data Arrived at EDR: 06/15/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 24

Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 02/27/2020
Next Scheduled EDR Contact: 06/15/2020
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

LUST SAN FRANCISCO: Local Oversight Facilities

A listing of leaking underground storage tank sites located in San Francisco county.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/19/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 09/29/2008
Number of Days to Update: 10

Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 04/23/2020
Next Scheduled EDR Contact: 08/17/2020
Data Release Frequency: No Update Planned

UST SAN FRANCISCO: Underground Storage Tank Information
Underground storage tank sites located in San Francisco county.

Date of Government Version: 01/08/2020
Date Data Arrived at EDR: 01/09/2020
Date Made Active in Reports: 03/06/2020
Number of Days to Update: 57

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 04/23/2020
Next Scheduled EDR Contact: 08/17/2020
Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

UST SAN JOAQUIN: San Joaquin Co. UST
A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 06/22/2018
Date Data Arrived at EDR: 06/26/2018
Date Made Active in Reports: 07/11/2018
Number of Days to Update: 15

Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 03/12/2020
Next Scheduled EDR Contact: 06/29/2020
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA SAN LUIS OBISPO: CUPA Facility List
Cupa Facility List.

Date of Government Version: 02/18/2020
Date Data Arrived at EDR: 02/20/2020
Date Made Active in Reports: 04/24/2020
Number of Days to Update: 64

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 02/14/2020
Next Scheduled EDR Contact: 06/01/2020
Data Release Frequency: Varies

SAN MATEO COUNTY:

BI SAN MATEO: Business Inventory
List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 02/20/2020
Date Data Arrived at EDR: 02/20/2020
Date Made Active in Reports: 04/24/2020
Number of Days to Update: 64

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 02/20/2020
Next Scheduled EDR Contact: 06/22/2020
Data Release Frequency: Annually

LUST SAN MATEO: Fuel Leak List
A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 03/29/2019
Date Data Arrived at EDR: 03/29/2019
Date Made Active in Reports: 05/29/2019
Number of Days to Update: 61

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 03/05/2020
Next Scheduled EDR Contact: 06/22/2020
Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA SANTA BARBARA: CUPA Facility Listing

CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011

Date Data Arrived at EDR: 09/09/2011

Date Made Active in Reports: 10/07/2011

Number of Days to Update: 28

Source: Santa Barbara County Public Health Department

Telephone: 805-686-8167

Last EDR Contact: 02/14/2020

Next Scheduled EDR Contact: 06/01/2020

Data Release Frequency: No Update Planned

SANTA CLARA COUNTY:

CUPA SANTA CLARA: Cupa Facility List

Cupa facility list

Date of Government Version: 02/14/2020

Date Data Arrived at EDR: 02/19/2020

Date Made Active in Reports: 04/24/2020

Number of Days to Update: 65

Source: Department of Environmental Health

Telephone: 408-918-1973

Last EDR Contact: 02/14/2020

Next Scheduled EDR Contact: 06/01/2020

Data Release Frequency: Varies

HIST LUST SANTA CLARA: HIST LUST - Fuel Leak Site Activity Report

A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county.

Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005

Date Data Arrived at EDR: 03/30/2005

Date Made Active in Reports: 04/21/2005

Number of Days to Update: 22

Source: Santa Clara Valley Water District

Telephone: 408-265-2600

Last EDR Contact: 03/23/2009

Next Scheduled EDR Contact: 06/22/2009

Data Release Frequency: No Update Planned

LUST SANTA CLARA: LOP Listing

A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014

Date Data Arrived at EDR: 03/05/2014

Date Made Active in Reports: 03/18/2014

Number of Days to Update: 13

Source: Department of Environmental Health

Telephone: 408-918-3417

Last EDR Contact: 02/21/2020

Next Scheduled EDR Contact: 06/08/2020

Data Release Frequency: No Update Planned

SAN JOSE HAZMAT: Hazardous Material Facilities

Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 10/30/2019

Date Data Arrived at EDR: 11/01/2019

Date Made Active in Reports: 01/08/2020

Number of Days to Update: 68

Source: City of San Jose Fire Department

Telephone: 408-535-7694

Last EDR Contact: 04/23/2020

Next Scheduled EDR Contact: 08/17/2020

Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA SANTA CRUZ: CUPA Facility List

CUPA facility listing.

Date of Government Version: 01/21/2017

Date Data Arrived at EDR: 02/22/2017

Date Made Active in Reports: 05/23/2017

Number of Days to Update: 90

Source: Santa Cruz County Environmental Health

Telephone: 831-464-2761

Last EDR Contact: 02/14/2020

Next Scheduled EDR Contact: 06/01/2020

Data Release Frequency: Varies

SHASTA COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA SHASTA: CUPA Facility List Cupa Facility List.

Date of Government Version: 06/15/2017
Date Data Arrived at EDR: 06/19/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 51

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 02/14/2020
Next Scheduled EDR Contact: 06/01/2020
Data Release Frequency: Varies

SOLANO COUNTY:

LUST SOLANO: Leaking Underground Storage Tanks

A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 06/04/2019
Date Data Arrived at EDR: 06/06/2019
Date Made Active in Reports: 08/13/2019
Number of Days to Update: 68

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 02/27/2020
Next Scheduled EDR Contact: 06/15/2020
Data Release Frequency: Quarterly

UST SOLANO: Underground Storage Tanks

Underground storage tank sites located in Solano county.

Date of Government Version: 12/09/2019
Date Data Arrived at EDR: 12/11/2019
Date Made Active in Reports: 02/21/2020
Number of Days to Update: 72

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 02/27/2020
Next Scheduled EDR Contact: 06/15/2020
Data Release Frequency: Quarterly

SONOMA COUNTY:

CUPA SONOMA: Cupa Facility List Cupa Facility list

Date of Government Version: 02/25/2020
Date Data Arrived at EDR: 02/26/2020
Date Made Active in Reports: 03/11/2020
Number of Days to Update: 14

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 03/18/2020
Next Scheduled EDR Contact: 07/06/2020
Data Release Frequency: Varies

LUST SONOMA: Leaking Underground Storage Tank Sites

A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 01/02/2020
Date Data Arrived at EDR: 01/03/2020
Date Made Active in Reports: 03/05/2020
Number of Days to Update: 62

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 04/06/2020
Next Scheduled EDR Contact: 07/06/2020
Data Release Frequency: Quarterly

STANISLAUS COUNTY:

CUPA STANISLAUS: CUPA Facility List Cupa facility list

Date of Government Version: 02/04/2020
Date Data Arrived at EDR: 02/05/2020
Date Made Active in Reports: 04/15/2020
Number of Days to Update: 70

Source: Stanislaus County Department of Environmental Protection
Telephone: 209-525-6751
Last EDR Contact: 04/02/2020
Next Scheduled EDR Contact: 07/27/2020
Data Release Frequency: Varies

SUTTER COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UST SUTTER: Underground Storage Tanks

Underground storage tank sites located in Sutter county.

Date of Government Version: 12/02/2019
Date Data Arrived at EDR: 12/03/2019
Date Made Active in Reports: 02/07/2020
Number of Days to Update: 66

Source: Sutter County Environmental Health Services
Telephone: 530-822-7500
Last EDR Contact: 02/27/2020
Next Scheduled EDR Contact: 06/15/2020
Data Release Frequency: Semi-Annually

TEHAMA COUNTY:

CUPA TEHAMA: CUPA Facility List Cupa facilities

Date of Government Version: 05/20/2019
Date Data Arrived at EDR: 05/21/2019
Date Made Active in Reports: 07/18/2019
Number of Days to Update: 58

Source: Tehama County Department of Environmental Health
Telephone: 530-527-8020
Last EDR Contact: 03/17/2020
Next Scheduled EDR Contact: 05/18/2020
Data Release Frequency: Varies

TRINITY COUNTY:

CUPA TRINITY: CUPA Facility List Cupa facility list

Date of Government Version: 01/21/2020
Date Data Arrived at EDR: 01/23/2020
Date Made Active in Reports: 03/30/2020
Number of Days to Update: 67

Source: Department of Toxic Substances Control
Telephone: 760-352-0381
Last EDR Contact: 04/09/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

TULARE COUNTY:

CUPA TULARE: CUPA Facility List Cupa program facilities

Date of Government Version: 02/10/2020
Date Data Arrived at EDR: 02/11/2020
Date Made Active in Reports: 04/20/2020
Number of Days to Update: 69

Source: Tulare County Environmental Health Services Division
Telephone: 559-624-7400
Last EDR Contact: 04/23/2020
Next Scheduled EDR Contact: 08/17/2020
Data Release Frequency: Varies

TUOLUMNE COUNTY:

CUPA TUOLUMNE: CUPA Facility List Cupa facility list

Date of Government Version: 04/23/2018
Date Data Arrived at EDR: 04/25/2018
Date Made Active in Reports: 06/25/2018
Number of Days to Update: 61

Source: Division of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 04/09/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

VENTURA COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

BWT VENTURA: Business Plan, Hazardous Waste Producers, and Operating Underground Tanks

The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 12/26/2019	Source: Ventura County Environmental Health Division
Date Data Arrived at EDR: 01/24/2020	Telephone: 805-654-2813
Date Made Active in Reports: 04/01/2020	Last EDR Contact: 04/20/2020
Number of Days to Update: 68	Next Scheduled EDR Contact: 08/03/2020
	Data Release Frequency: Quarterly

LF VENTURA: Inventory of Illegal Abandoned and Inactive Sites

Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011	Source: Environmental Health Division
Date Data Arrived at EDR: 12/01/2011	Telephone: 805-654-2813
Date Made Active in Reports: 01/19/2012	Last EDR Contact: 03/20/2020
Number of Days to Update: 49	Next Scheduled EDR Contact: 07/13/2020
	Data Release Frequency: No Update Planned

LUST VENTURA: Listing of Underground Tank Cleanup Sites

Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008	Source: Environmental Health Division
Date Data Arrived at EDR: 06/24/2008	Telephone: 805-654-2813
Date Made Active in Reports: 07/31/2008	Last EDR Contact: 02/07/2020
Number of Days to Update: 37	Next Scheduled EDR Contact: 05/25/2020
	Data Release Frequency: No Update Planned

MED WASTE VENTURA: Medical Waste Program List

To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 12/26/2019	Source: Ventura County Resource Management Agency
Date Data Arrived at EDR: 01/24/2020	Telephone: 805-654-2813
Date Made Active in Reports: 04/01/2020	Last EDR Contact: 04/20/2020
Number of Days to Update: 68	Next Scheduled EDR Contact: 08/03/2020
	Data Release Frequency: Quarterly

UST VENTURA: Underground Tank Closed Sites List

Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 11/26/2019	Source: Environmental Health Division
Date Data Arrived at EDR: 12/10/2019	Telephone: 805-654-2813
Date Made Active in Reports: 02/21/2020	Last EDR Contact: 03/10/2020
Number of Days to Update: 73	Next Scheduled EDR Contact: 06/22/2020
	Data Release Frequency: Quarterly

YOLO COUNTY:

UST YOLO: Underground Storage Tank Comprehensive Facility Report

Underground storage tank sites located in Yolo county.

Date of Government Version: 12/12/2019	Source: Yolo County Department of Health
Date Data Arrived at EDR: 01/15/2020	Telephone: 530-666-8646
Date Made Active in Reports: 03/25/2020	Last EDR Contact: 03/20/2020
Number of Days to Update: 70	Next Scheduled EDR Contact: 07/13/2020
	Data Release Frequency: Annually

YUBA COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA YUBA: CUPA Facility List

CUPA facility listing for Yuba County.

Date of Government Version: 01/27/2020

Date Data Arrived at EDR: 02/12/2020

Date Made Active in Reports: 04/23/2020

Number of Days to Update: 71

Source: Yuba County Environmental Health Department

Telephone: 530-749-7523

Last EDR Contact: 04/16/2020

Next Scheduled EDR Contact: 08/10/2020

Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 01/30/2020

Date Data Arrived at EDR: 01/30/2020

Date Made Active in Reports: 03/09/2020

Number of Days to Update: 39

Source: Department of Energy & Environmental Protection

Telephone: 860-424-3375

Last EDR Contact: 01/30/2020

Next Scheduled EDR Contact: 05/25/2020

Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2018

Date Data Arrived at EDR: 04/10/2019

Date Made Active in Reports: 05/16/2019

Number of Days to Update: 36

Source: Department of Environmental Protection

Telephone: N/A

Last EDR Contact: 04/10/2020

Next Scheduled EDR Contact: 07/20/2020

Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/01/2019

Date Data Arrived at EDR: 05/01/2019

Date Made Active in Reports: 06/21/2019

Number of Days to Update: 51

Source: Department of Environmental Conservation

Telephone: 518-402-8651

Last EDR Contact: 01/31/2020

Next Scheduled EDR Contact: 05/11/2020

Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 06/30/2018

Date Data Arrived at EDR: 07/19/2019

Date Made Active in Reports: 09/10/2019

Number of Days to Update: 53

Source: Department of Environmental Protection

Telephone: 717-783-8990

Last EDR Contact: 04/02/2020

Next Scheduled EDR Contact: 07/27/2020

Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2018

Date Data Arrived at EDR: 10/02/2019

Date Made Active in Reports: 12/10/2019

Number of Days to Update: 69

Source: Department of Environmental Management

Telephone: 401-222-2797

Last EDR Contact: 02/18/2020

Next Scheduled EDR Contact: 06/01/2020

Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 05/31/2018

Date Data Arrived at EDR: 06/19/2019

Date Made Active in Reports: 09/03/2019

Number of Days to Update: 76

Source: Department of Natural Resources

Telephone: N/A

Last EDR Contact: 03/09/2020

Next Scheduled EDR Contact: 06/22/2020

Data Release Frequency: Annually

Oil/Gas Pipelines

Source: Endeavor Business Media

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data

Source: Endeavor Business Media

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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities

Source: Department of Social Services

Telephone: 916-657-4041

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish and Wildlife
Telephone: 916-445-0411

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK[®] - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

929 WEST ANAHEIM STREET &
1401 SAN FRANCISCO AVENUE
LONG BEACH, CA 90813

TARGET PROPERTY COORDINATES

Latitude (North):	33.783998 - 33° 47' 2.39"
Longitude (West):	118.203777 - 118° 12' 13.60"
Universal Transverse Mercator:	Zone 11
UTM X (Meters):	388547.6
UTM Y (Meters):	3738663.8
Elevation:	13 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	5652670 LONG BEACH, CA
Version Date:	2012

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

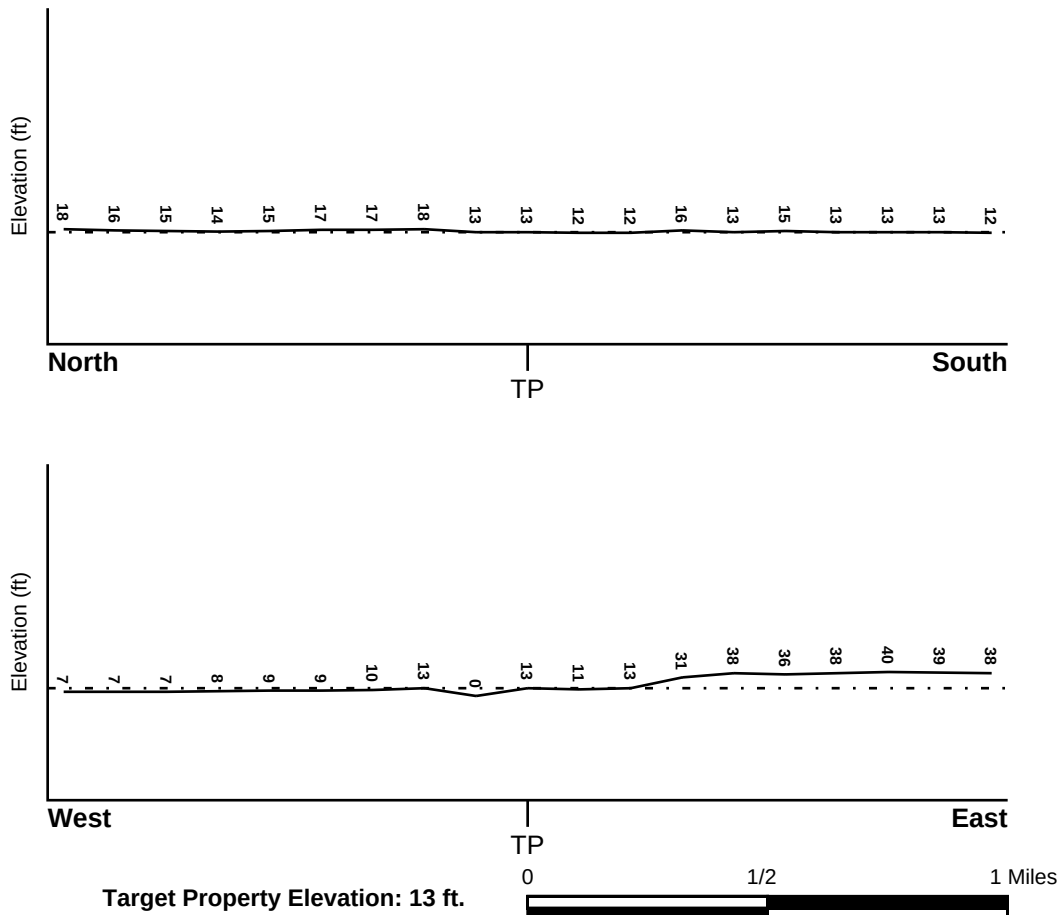
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General SSW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

<u>Flood Plain Panel at Target Property</u>	<u>FEMA Source Type</u>
06037C1962F	FEMA FIRM Flood data
<u>Additional Panels in search area:</u>	<u>FEMA Source Type</u>
06037C1965F	FEMA FIRM Flood data
06037C1970F	FEMA FIRM Flood data
06037C1964F	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u>	<u>NWI Electronic Data Coverage</u>
NORTH LONG BEACH (OE)	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data:*

Search Radius:	1.25 miles
Location Relative to TP:	1/2 - 1 Mile WNW
Site Name:	CROSBY & OVERTON
Site EPA ID Number:	CAD028409019
Surficial Aquifer Flow Dir.:	NOT AVAILABLE FOR THE PERCHED AQUIFER.
Measured Depth to Water:	10.5 to 11.5 feet in the perched zone.
Hydraulic Connection:	The site is underlain by fine sand with mica to 9 feet, 2 feet of clay, and fine sand with mica to a depth of 20 feet at the terminus of borings. The perched aquifer zone at the site is saline and is fed by the Pacific Ocean.
Sole Source Aquifer:	No information about a sole source aquifer is available
Data Quality:	Information based on site-specific subsurface investigations is documented in the CERCLIS investigation report(s)

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
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GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
1	1/8 - 1/4 Mile ESE	SSE
2	1/8 - 1/4 Mile ENE	SW
3	1/4 - 1/2 Mile NW	NW
6	1/2 - 1 Mile NE	NNW
7	1/2 - 1 Mile NW	N
10	1/2 - 1 Mile East	Not Reported
11	1/2 - 1 Mile West	Varies
12	1/2 - 1 Mile West	Not Reported
13	1/2 - 1 Mile West	NNW
1G	1/2 - 1 Mile NW	N
2G	1/2 - 1 Mile NE	NNW
3G	1/4 - 1/2 Mile NW	NW
4G	1/2 - 1 Mile West	NNW
5G	1/8 - 1/4 Mile ENE	SW
6G	1/2 - 1 Mile West	Not Reported
7G	1/2 - 1 Mile West	Varies
8G	1/8 - 1/4 Mile ESE	SSE
9G	1/2 - 1 Mile East	Not Reported

For additional site information, refer to Physical Setting Source Map Findings.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

Era: Cenozoic
System: Quaternary
Series: Quaternary
Code: Q (decoded above as Era, System & Series)

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name: URBAN LAND

Soil Surface Texture: variable

Hydrologic Group: Not reported

Soil Drainage Class: Not reported

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 10 inches

Depth to Bedrock Max: > 10 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Permeability Rate (in/hr)	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	6 inches	variable	Not reported	Not reported	Max: 0.00 Min: 0.00	Max: 0.00 Min: 0.00

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: loam
clay
silt loam
loamy sand
sandy loam
fine sand
clay loam
gravelly - sandy loam
coarse sand
gravelly - sand
sand

Surficial Soil Types: loam
clay
silt loam
loamy sand
sandy loam
fine sand
clay loam
gravelly - sandy loam
coarse sand
gravelly - sand
sand

Shallow Soil Types: fine sandy loam
gravelly - loam
sand
silty clay

Deeper Soil Types: stratified
clay loam
silty clay loam
gravelly - sandy loam
coarse sand
sand
weathered bedrock
very fine sandy loam

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
A4	USGS40000138170	1/2 - 1 Mile WNW
A5	USGS40000138169	1/2 - 1 Mile WNW

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
A8	CADWR8000005517	1/2 - 1 Mile WNW
A9	CADWR8000005516	1/2 - 1 Mile WNW

OTHER STATE DATABASE INFORMATION

STATE OIL/GAS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
A1	CAOG13000227395	1/8 - 1/4 Mile WNW
A2	CAOG13000227582	1/8 - 1/4 Mile WNW
A3	CAOG13000227583	1/8 - 1/4 Mile WNW
A4	CAOG13000227584	1/8 - 1/4 Mile WNW
A5	CAOG13000227585	1/8 - 1/4 Mile WNW
A6	CAOG13000227586	1/8 - 1/4 Mile WNW
A7	CAOG13000227587	1/8 - 1/4 Mile WNW
A8	CAOG13000227588	1/8 - 1/4 Mile WNW
A9	CAOG13000227589	1/8 - 1/4 Mile WNW
A10	CAOG13000227590	1/8 - 1/4 Mile WNW
A11	CAOG13000228761	1/8 - 1/4 Mile WNW
A12	CAOG13000227591	1/8 - 1/4 Mile WNW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A13	CAOG13000227592	1/8 - 1/4 Mile WNW
A14	CAOG13000228762	1/8 - 1/4 Mile WNW
A15	CAOG13000227593	1/8 - 1/4 Mile WNW
A16	CAOG13000228765	1/8 - 1/4 Mile WNW
A17	CAOG13000227594	1/8 - 1/4 Mile WNW
A18	CAOG13000228766	1/8 - 1/4 Mile WNW
A19	CAOG13000227596	1/8 - 1/4 Mile WNW
A20	CAOG13000227597	1/8 - 1/4 Mile WNW
A21	CAOG13000229766	1/8 - 1/4 Mile WNW
A22	CAOG13000229765	1/8 - 1/4 Mile WNW
A23	CAOG13000227579	1/8 - 1/4 Mile WNW
A24	CAOG13000227425	1/8 - 1/4 Mile WNW
A25	CAOG13000227426	1/8 - 1/4 Mile WNW
A26	CAOG13000227427	1/8 - 1/4 Mile WNW
A27	CAOG13000227428	1/8 - 1/4 Mile WNW
A28	CAOG13000227429	1/8 - 1/4 Mile WNW
A29	CAOG13000227430	1/8 - 1/4 Mile WNW
A30	CAOG13000227431	1/8 - 1/4 Mile WNW
A31	CAOG13000227432	1/8 - 1/4 Mile WNW
A32	CAOG13000227433	1/8 - 1/4 Mile WNW
A33	CAOG13000227224	1/8 - 1/4 Mile WNW
A34	CAOG13000227578	1/8 - 1/4 Mile WNW
A35	CAOG13000228760	1/8 - 1/4 Mile WNW
A36	CAOG13000227580	1/8 - 1/4 Mile WNW
A37	CAOG13000228763	1/8 - 1/4 Mile WNW
A38	CAOG13000228764	1/8 - 1/4 Mile WNW
A39	CAOG13000229166	1/8 - 1/4 Mile NW
40	CAOG13000229161	1/8 - 1/4 Mile NW
B41	CAOG13000227581	1/4 - 1/2 Mile SW
B42	CAOG13000227505	1/4 - 1/2 Mile SW
B43	CAOG13000227553	1/4 - 1/2 Mile SW
C44	CAOG13000230781	1/4 - 1/2 Mile SSW
C45	CAOG13000232733	1/4 - 1/2 Mile SSW
C46	CAOG13000232732	1/4 - 1/2 Mile SSW
C47	CAOG13000227548	1/4 - 1/2 Mile SSW
C48	CAOG13000232731	1/4 - 1/2 Mile SSW
C49	CAOG13000227555	1/4 - 1/2 Mile SSW
C50	CAOG13000232730	1/4 - 1/2 Mile SSW
C51	CAOG13000232729	1/4 - 1/2 Mile SSW
C52	CAOG13000227554	1/4 - 1/2 Mile SSW
C53	CAOG13000229008	1/4 - 1/2 Mile SSW
C54	CAOG13000227549	1/4 - 1/2 Mile SSW
C55	CAOG13000232728	1/4 - 1/2 Mile SSW
C56	CAOG13000232727	1/4 - 1/2 Mile SSW
C57	CAOG13000232726	1/4 - 1/2 Mile SSW
C58	CAOG13000229759	1/4 - 1/2 Mile SSW
C59	CAOG13000232734	1/4 - 1/2 Mile SSW
C60	CAOG13000232725	1/4 - 1/2 Mile SSW
C61	CAOG13000227552	1/4 - 1/2 Mile SSW
C62	CAOG13000232724	1/4 - 1/2 Mile SSW
C63	CAOG13000227551	1/4 - 1/2 Mile SSW
C64	CAOG13000232723	1/4 - 1/2 Mile SSW
C65	CAOG13000232722	1/4 - 1/2 Mile SSW
C66	CAOG13000229848	1/4 - 1/2 Mile SSW
67	CAOG13000227424	1/4 - 1/2 Mile WNW
D68	CAOG13000227218	1/4 - 1/2 Mile SW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
C69	CAOG13000227449	1/4 - 1/2 Mile SSW
70	CAOG13000229613	1/4 - 1/2 Mile SSW
D71	CAOG13000226299	1/4 - 1/2 Mile SW
D72	CAOG13000226661	1/4 - 1/2 Mile SW
D73	CAOG13000227436	1/4 - 1/2 Mile SW
D74	CAOG13000227435	1/4 - 1/2 Mile SW
D75	CAOG13000229522	1/4 - 1/2 Mile SW
D76	CAOG13000226662	1/4 - 1/2 Mile SW
E77	CAOG13000227454	1/4 - 1/2 Mile SW
F78	CAOG13000227453	1/4 - 1/2 Mile WSW
G79	CAOG13000228759	1/4 - 1/2 Mile SW
E80	CAOG13000227455	1/4 - 1/2 Mile SW
G81	CAOG13000227434	1/4 - 1/2 Mile SW
H82	CAOG13000227447	1/4 - 1/2 Mile SSW
E83	CAOG13000227327	1/4 - 1/2 Mile SW
G84	CAOG13000226660	1/4 - 1/2 Mile SSW
G85	CAOG13000227348	1/4 - 1/2 Mile SW
H86	CAOG13000227448	1/4 - 1/2 Mile SSW
H87	CAOG13000227450	1/2 - 1 Mile SSW
H88	CAOG13000227451	1/2 - 1 Mile SSW
E89	CAOG13000226637	1/2 - 1 Mile SW
F90	CAOG13000227452	1/2 - 1 Mile WSW
H91	CAOG13000227533	1/2 - 1 Mile SSW
H92	CAOG13000227550	1/2 - 1 Mile SSW
I93	CAOG13000228212	1/2 - 1 Mile SW
H94	CAOG13000227547	1/2 - 1 Mile SSW
J95	CAOG13000228523	1/2 - 1 Mile SSW
H96	CAOG13000227546	1/2 - 1 Mile SSW
H97	CAOG13000227557	1/2 - 1 Mile SSW
I98	CAOG13000227476	1/2 - 1 Mile SW
I99	CAOG13000229537	1/2 - 1 Mile SW
J100	CAOG13000227445	1/2 - 1 Mile SSW
J101	CAOG13000228521	1/2 - 1 Mile SW
J102	CAOG13000226610	1/2 - 1 Mile SSW
J103	CAOG13000228522	1/2 - 1 Mile SSW
104	CAOG13000228520	1/2 - 1 Mile SW
K105	CAOG13000227313	1/2 - 1 Mile WSW
J106	CAOG13000227190	1/2 - 1 Mile SSW
K107	CAOG13000227235	1/2 - 1 Mile WSW
J108	CAOG13000228531	1/2 - 1 Mile SSW
J109	CAOG13000228533	1/2 - 1 Mile SSW
L110	CAOG13000230794	1/2 - 1 Mile SSW
L111	CAOG13000229757	1/2 - 1 Mile SSW
L112	CAOG13000227556	1/2 - 1 Mile SSW
M113	CAOG13000227312	1/2 - 1 Mile WSW
M114	CAOG13000228758	1/2 - 1 Mile WSW
L115	CAOG13000227535	1/2 - 1 Mile SSW
N116	CAOG13000227198	1/2 - 1 Mile SSW
L117	CAOG13000227534	1/2 - 1 Mile SSW
K118	CAOG13000227482	1/2 - 1 Mile WSW
L119	CAOG13000227532	1/2 - 1 Mile SSW
L120	CAOG13000227531	1/2 - 1 Mile SSW
L121	CAOG13000227530	1/2 - 1 Mile SSW
L122	CAOG13000228829	1/2 - 1 Mile SSW
L123	CAOG13000227529	1/2 - 1 Mile SSW
124	CAOG13000227485	1/2 - 1 Mile WSW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
L125	CAOG13000227528	1/2 - 1 Mile SSW
126	CAOG13000228757	1/2 - 1 Mile SSW
L127	CAOG13000227527	1/2 - 1 Mile SSW
L128	CAOG13000227526	1/2 - 1 Mile SSW
L129	CAOG13000227525	1/2 - 1 Mile SSW
O130	CAOG13000227308	1/2 - 1 Mile WSW
L131	CAOG13000227524	1/2 - 1 Mile SSW
L132	CAOG13000227522	1/2 - 1 Mile SSW
N133	CAOG13000226574	1/2 - 1 Mile SSW
L134	CAOG13000227521	1/2 - 1 Mile SSW
L135	CAOG13000227520	1/2 - 1 Mile SSW
L136	CAOG13000227519	1/2 - 1 Mile SSW
O137	CAOG13000227483	1/2 - 1 Mile WSW
L138	CAOG13000227518	1/2 - 1 Mile SSW
L139	CAOG13000227517	1/2 - 1 Mile SSW
M140	CAOG13000228530	1/2 - 1 Mile WSW
P141	CAOG13000226588	1/2 - 1 Mile SW
Q142	CAOG13000228827	1/2 - 1 Mile SSW
O143	CAOG13000227422	1/2 - 1 Mile WSW
Q144	CAOG13000228828	1/2 - 1 Mile SSW
Q145	CAOG13000228830	1/2 - 1 Mile SSW
Q146	CAOG13000227446	1/2 - 1 Mile SSW
R147	CAOG13000228541	1/2 - 1 Mile SSW
R148	CAOG13000228532	1/2 - 1 Mile SSW
Q149	CAOG13000227506	1/2 - 1 Mile SSW
150	CAOG13000005611	1/2 - 1 Mile NNE
R151	CAOG13000228753	1/2 - 1 Mile SSW
Q152	CAOG13000227507	1/2 - 1 Mile SSW
O153	CAOG13000227423	1/2 - 1 Mile WSW
S154	CAOG13000228547	1/2 - 1 Mile SSW
Q155	CAOG13000227508	1/2 - 1 Mile SSW
Q156	CAOG13000227509	1/2 - 1 Mile SSW
Q157	CAOG13000227510	1/2 - 1 Mile SSW
Q158	CAOG13000227511	1/2 - 1 Mile SSW
Q159	CAOG13000230790	1/2 - 1 Mile SSW
Q160	CAOG13000227512	1/2 - 1 Mile SSW
Q161	CAOG13000227513	1/2 - 1 Mile SSW
Q162	CAOG13000227514	1/2 - 1 Mile SSW
Q163	CAOG13000227515	1/2 - 1 Mile SSW
T164	CAOG13000228539	1/2 - 1 Mile WSW
U165	CAOG13000227421	1/2 - 1 Mile WSW
S166	CAOG13000228548	1/2 - 1 Mile SSW
167	CAOG13000229404	1/2 - 1 Mile SW
V168	CAOG13000226846	1/2 - 1 Mile SW
Q169	CAOG13000227322	1/2 - 1 Mile SSW
W170	CAOG13000227749	1/2 - 1 Mile West
P171	CAOG13000226587	1/2 - 1 Mile SW
T172	CAOG13000227420	1/2 - 1 Mile WSW
T173	CAOG13000228540	1/2 - 1 Mile WSW
R174	CAOG13000226284	1/2 - 1 Mile SSW
V175	CAOG13000228756	1/2 - 1 Mile SW
T176	CAOG13000226585	1/2 - 1 Mile WSW
R177	CAOG13000226573	1/2 - 1 Mile SSW
V178	CAOG13000228538	1/2 - 1 Mile SW
U179	CAOG13000227417	1/2 - 1 Mile West
X180	CAOG13000226586	1/2 - 1 Mile SW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
V181	CAOG13000228546	1/2 - 1 Mile SW
X182	CAOG13000228526	1/2 - 1 Mile WSW
U183	CAOG13000227418	1/2 - 1 Mile WSW
Y184	CAOG13000226584	1/2 - 1 Mile WSW
X185	CAOG13000228525	1/2 - 1 Mile WSW
X186	CAOG13000228524	1/2 - 1 Mile WSW
T187	CAOG13000228529	1/2 - 1 Mile WSW
X188	CAOG13000228754	1/2 - 1 Mile WSW
X189	CAOG13000228755	1/2 - 1 Mile WSW
W190	CAOG13000228441	1/2 - 1 Mile West
V191	CAOG13000228545	1/2 - 1 Mile SW
Z192	CAOG13000228903	1/2 - 1 Mile South
193	CAOG13000226636	1/2 - 1 Mile SSW
Z194	CAOG13000228904	1/2 - 1 Mile South
Z195	CAOG13000228810	1/2 - 1 Mile SSW
AA196	CAOG13000227419	1/2 - 1 Mile WSW
X197	CAOG13000226582	1/2 - 1 Mile SW
Y198	CAOG13000226575	1/2 - 1 Mile WSW
199	CAOG13000228517	1/2 - 1 Mile WSW
200	CAOG13000227416	1/2 - 1 Mile West
Y201	CAOG13000226583	1/2 - 1 Mile WSW
AA202	CAOG13000227415	1/2 - 1 Mile West
Y203	CAOG13000226847	1/2 - 1 Mile WSW
Z204	CAOG13000227645	1/2 - 1 Mile South
Z205	CAOG13000227536	1/2 - 1 Mile South
Z206	CAOG13000227537	1/2 - 1 Mile South
AA207	CAOG13000227351	1/2 - 1 Mile WSW
AB208	CAOG13000228528	1/2 - 1 Mile WSW
Z209	CAOG13000227538	1/2 - 1 Mile South
Z210	CAOG13000229729	1/2 - 1 Mile South
Z211	CAOG13000227539	1/2 - 1 Mile South
AC212	CAOG13000228551	1/2 - 1 Mile SW
Z213	CAOG13000229756	1/2 - 1 Mile South
AD214	CAOG13000228443	1/2 - 1 Mile West
AC215	CAOG13000225672	1/2 - 1 Mile SW
Z216	CAOG13000227648	1/2 - 1 Mile South
AE217	CAOG13000226576	1/2 - 1 Mile SW
AE218	CAOG13000226581	1/2 - 1 Mile SW
Z219	CAOG13000227649	1/2 - 1 Mile South
Z220	CAOG13000227208	1/2 - 1 Mile SSW
Z221	CAOG13000227650	1/2 - 1 Mile South
Z222	CAOG13000227651	1/2 - 1 Mile South
Z223	CAOG13000227652	1/2 - 1 Mile South
AF224	CAOG13000228543	1/2 - 1 Mile SSW
Z225	CAOG13000227653	1/2 - 1 Mile South
AC226	CAOG13000226571	1/2 - 1 Mile SW
Z227	CAOG13000227654	1/2 - 1 Mile South
AC228	CAOG13000228559	1/2 - 1 Mile SW
AF229	CAOG13000228544	1/2 - 1 Mile SSW
AE230	CAOG13000228518	1/2 - 1 Mile WSW
Z231	CAOG13000227655	1/2 - 1 Mile South
AD232	CAOG13000228442	1/2 - 1 Mile West
AG233	CAOG13000227656	1/2 - 1 Mile South
AH234	CAOG13000227350	1/2 - 1 Mile WSW
AE235	CAOG13000228771	1/2 - 1 Mile WSW
AG236	CAOG13000227385	1/2 - 1 Mile South

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
AG237	CAOG13000227210	1/2 - 1 Mile South
238	CAOG13000227326	1/2 - 1 Mile NW
AI239	CAOG13000227329	1/2 - 1 Mile SSW
AG240	CAOG13000227624	1/2 - 1 Mile South
AF241	CAOG13000226363	1/2 - 1 Mile SSW
AJ242	CAOG13000228440	1/2 - 1 Mile West
AD243	CAOG13000226830	1/2 - 1 Mile West
AG244	CAOG13000230782	1/2 - 1 Mile South
AB245	CAOG13000228516	1/2 - 1 Mile WSW
AD246	CAOG13000227437	1/2 - 1 Mile West
AF247	CAOG13000227384	1/2 - 1 Mile SSW
AG248	CAOG13000226295	1/2 - 1 Mile SSW
AG249	CAOG13000228809	1/2 - 1 Mile South
AH250	CAOG13000227349	1/2 - 1 Mile West
251	CAOG13000226580	1/2 - 1 Mile SW
AE252	CAOG13000226577	1/2 - 1 Mile SW
AG253	CAOG13000227643	1/2 - 1 Mile South
AG254	CAOG13000227642	1/2 - 1 Mile South
AG255	CAOG13000227644	1/2 - 1 Mile SSW
AG256	CAOG13000227641	1/2 - 1 Mile South
AG257	CAOG13000227640	1/2 - 1 Mile South
258	CAOG13000226364	1/2 - 1 Mile SSW
AG259	CAOG13000228808	1/2 - 1 Mile South
AI260	CAOG13000226366	1/2 - 1 Mile SSW
AG261	CAOG13000226296	1/2 - 1 Mile SSW
AG262	CAOG13000227638	1/2 - 1 Mile South
AG263	CAOG13000227639	1/2 - 1 Mile SSW
AJ264	CAOG13000229029	1/2 - 1 Mile West
AG265	CAOG13000227636	1/2 - 1 Mile South
AG266	CAOG13000228549	1/2 - 1 Mile South
AG267	CAOG13000227634	1/2 - 1 Mile South
AG268	CAOG13000227637	1/2 - 1 Mile SSW
AG269	CAOG13000227633	1/2 - 1 Mile South
AK270	CAOG13000227279	1/2 - 1 Mile WSW
AL271	CAOG13000229674	1/2 - 1 Mile WSW
AK272	CAOG13000226424	1/2 - 1 Mile WSW
AK273	CAOG13000226578	1/2 - 1 Mile SW
AL274	CAOG13000229174	1/2 - 1 Mile WSW
AH275	CAOG13000227438	1/2 - 1 Mile West
AL276	CAOG13000229211	1/2 - 1 Mile WSW
277	CAOG13000229782	1/2 - 1 Mile West
278	CAOG13000226359	1/2 - 1 Mile West
AM279	CAOG13000228579	1/2 - 1 Mile South
AL280	CAOG13000227273	1/2 - 1 Mile WSW
AM281	CAOG13000227746	1/2 - 1 Mile South

PHYSICAL SETTING SOURCE MAP - 06052641.2r



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME: 929 West Anaheim Street &
 ADDRESS: 1401 San Francisco Avenue
 Long Beach CA 90813
 LAT/LONG: 33.783998 / 118.203777

CLIENT: SCS Engineers
 CONTACT: Kim Braun
 INQUIRY #: 06052641.2r
 DATE: April 29, 2020 3:50 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

1 ESE 1/8 - 1/4 Mile Lower	Site ID: 908130252 Groundwater Flow: SSE Shallow Water Depth: 8 Deep Water Depth: 9 Average Water Depth: Not Reported Date: 05/15/1995	AQUIFLOW	70497
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2 ENE 1/8 - 1/4 Mile Higher	Site ID: 908130325 Groundwater Flow: SW Shallow Water Depth: 13 Deep Water Depth: 15 Average Water Depth: Not Reported Date: 05/06/1998	AQUIFLOW	70540
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3 NW 1/4 - 1/2 Mile Higher	Site ID: 908130516 Groundwater Flow: NW Shallow Water Depth: 13.68 Deep Water Depth: 14.59 Average Water Depth: Not Reported Date: 10/15/1990	AQUIFLOW	70491
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A4 WNW 1/2 - 1 Mile Lower		FED USGS	USGS40000138170
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Organization ID:	USGS-CA	Type:	Well
Organization Name:	USGS California Water Science Center	HUC:	Not Reported
Monitor Location:	004S013W35B003S	Drainage Area Units:	Not Reported
Description:	Not Reported	Contrib Drainage Area Units:	Not Reported
Drainage Area:	Not Reported		
Contrib Drainage Area:	Not Reported		
Aquifer:	California Coastal Basin aquifers	Aquifer Type:	Not Reported
Formation Type:	Not Reported	Well Depth:	398
Construction Date:	19591008	Well Hole Depth:	405
Well Depth Units:	ft		
Well Hole Depth Units:	ft		

Ground water levels, Number of Measurements:	1	Level reading date:	1999-03-18
Feet below surface:	23	Feet to sea level:	Not Reported
Note:	Not Reported		

A5 WNW 1/2 - 1 Mile Lower		FED USGS	USGS40000138169
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Organization ID:	USGS-CA	Type:	Well
Organization Name:	USGS California Water Science Center	HUC:	Not Reported
Monitor Location:	004S013W35B002S	Drainage Area Units:	Not Reported
Description:	Not Reported	Contrib Drainage Area Units:	Not Reported
Drainage Area:	Not Reported		
Contrib Drainage Area:	Not Reported		
Aquifer:	California Coastal Basin aquifers		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19591007	Well Depth:	713
Well Depth Units:	ft	Well Hole Depth:	1005
Well Hole Depth Units:	ft		

Ground water levels, Number of Measurements:	1	Level reading date:	1999-03-18
Feet below surface:	78.83	Feet to sea level:	Not Reported
Note:	Not Reported		

6 NE 1/2 - 1 Mile Higher	Site ID:	908061052	AQUIFLOW	70542
	Groundwater Flow:	NNW		
	Shallow Water Depth:	11.52		
	Deep Water Depth:	14.60		
	Average Water Depth:	Not Reported		
	Date:	12/01/1993		

7 NW 1/2 - 1 Mile Higher	Site ID:	907440061	AQUIFLOW	70501
	Groundwater Flow:	N		
	Shallow Water Depth:	47.77		
	Deep Water Depth:	50.8		
	Average Water Depth:	Not Reported		
	Date:	06/30/1999		

A8 WNW 1/2 - 1 Mile Lower			CA WELLS	CADWR8000005517		
	State Well #:	04S13W35B003S			Station ID:	27157
	Well Name:	Not Reported			Well Use:	Unknown
	Well Type:	Unknown			Well Depth:	0
	Basin Name:	West Coast			Well Completion Rpt #:	Not Reported

A9 WNW 1/2 - 1 Mile Lower			CA WELLS	CADWR8000005516		
	State Well #:	04S13W35B002S			Station ID:	5613
	Well Name:	Not Reported			Well Use:	Unknown
	Well Type:	Unknown			Well Depth:	0
	Basin Name:	West Coast			Well Completion Rpt #:	Not Reported

10 East 1/2 - 1 Mile Higher	Site ID:	908130470	AQUIFLOW	70528
	Groundwater Flow:	Not Reported		
	Shallow Water Depth:	Not Reported		
	Deep Water Depth:	Not Reported		
	Average Water Depth:	30		
	Date:	06/22/1993		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

11 West 1/2 - 1 Mile Lower	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	908130234 Varies 9 11 Not Reported 05/25/1999	AQUIFLOW	70499
12 West 1/2 - 1 Mile Lower	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	90803125 Not Reported 7 14 Not Reported 10/1987	AQUIFLOW	55247
13 West 1/2 - 1 Mile Lower	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	90813027 NNW 12.69 13.29 Not Reported 03/15/1996	AQUIFLOW	70475
1G NW 1/2 - 1 Mile Lower	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	907440061 N 47.77 50.8 Not Reported 06/30/1999	AQUIFLOW	70501
2G NE 1/2 - 1 Mile Lower	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	908061052 NNW 11.52 14.60 Not Reported 12/01/1993	AQUIFLOW	70542
3G NW 1/4 - 1/2 Mile Lower	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	908130516 NW 13.68 14.59 Not Reported 10/15/1990	AQUIFLOW	70491
4G West 1/2 - 1 Mile Lower	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	90813027 NNW 12.69 13.29 Not Reported 03/15/1996	AQUIFLOW	70475

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

5G ENE 1/8 - 1/4 Mile Lower	Site ID:	908130325	AQUIFLOW	70540
	Groundwater Flow:	SW		
	Shallow Water Depth:	13		
	Deep Water Depth:	15		
	Average Water Depth:	Not Reported		
	Date:	05/06/1998		
6G West 1/2 - 1 Mile Lower	Site ID:	90803125	AQUIFLOW	55247
	Groundwater Flow:	Not Reported		
	Shallow Water Depth:	7		
	Deep Water Depth:	14		
	Average Water Depth:	Not Reported		
	Date:	10/1987		
7G West 1/2 - 1 Mile Lower	Site ID:	908130234	AQUIFLOW	70499
	Groundwater Flow:	Varies		
	Shallow Water Depth:	9		
	Deep Water Depth:	11		
	Average Water Depth:	Not Reported		
	Date:	05/25/1999		
8G ESE 1/8 - 1/4 Mile Lower	Site ID:	908130252	AQUIFLOW	70497
	Groundwater Flow:	SSE		
	Shallow Water Depth:	8		
	Deep Water Depth:	9		
	Average Water Depth:	Not Reported		
	Date:	05/15/1995		
9G East 1/2 - 1 Mile Lower	Site ID:	908130470	AQUIFLOW	70528
	Groundwater Flow:	Not Reported		
	Shallow Water Depth:	Not Reported		
	Deep Water Depth:	Not Reported		
	Average Water Depth:	30		
	Date:	06/22/1993		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

A1
WNW
1/8 - 1/4 Mile

OIL_GAS CAOG13000227395

API #:	0403700586	Well #:	555-W
Well Status:	Plugged	Well Type:	INJ
Operator Name:	Tidelands Oil Production Co.		
Lease Name:	Lease by Tidelands Oil Production Co.		
Field Name:	Wilmington	Area Name:	Fault Block V
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	Y	SPUD Date:	Not Reported

A2
WNW
1/8 - 1/4 Mile

OIL_GAS CAOG13000227582

API #:	0403703738	Well #:	M951E
Well Status:	Plugged	Well Type:	OG
Operator Name:	Tidelands Oil Production Co.		
Lease Name:	Lease by Tidelands Oil Production Co.		
Field Name:	Wilmington	Area Name:	Fault Block V
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	Y	SPUD Date:	Not Reported

A3
WNW
1/8 - 1/4 Mile

OIL_GAS CAOG13000227583

API #:	0403703739	Well #:	M952E
Well Status:	Plugged	Well Type:	OG
Operator Name:	Tidelands Oil Production Co.		
Lease Name:	Lease by Tidelands Oil Production Co.		
Field Name:	Wilmington	Area Name:	Fault Block V
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	Y	SPUD Date:	Not Reported

A4
WNW
1/8 - 1/4 Mile

OIL_GAS CAOG13000227584

API #:	0403703740	Well #:	M953E
Well Status:	Active	Well Type:	OG
Operator Name:	Tidelands Oil Production Co.		
Lease Name:	Lease by Tidelands Oil Production Co.		
Field Name:	Wilmington	Area Name:	Fault Block V
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	Y	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

A5
WNW
1/8 - 1/4 Mile

OIL_GAS CAOG13000227585

API #:	0403703741	Well #:	M954E
Well Status:	Active	Well Type:	OG
Operator Name:	Tidelands Oil Production Co.		
Lease Name:	Lease by Tidelands Oil Production Co.		
Field Name:	Wilmington	Area Name:	Fault Block V
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	Y	SPUD Date:	Not Reported

A6
WNW
1/8 - 1/4 Mile

OIL_GAS CAOG13000227586

API #:	0403703742	Well #:	M955E
Well Status:	Active	Well Type:	OG
Operator Name:	Tidelands Oil Production Co.		
Lease Name:	Lease by Tidelands Oil Production Co.		
Field Name:	Wilmington	Area Name:	Fault Block V
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	Y	SPUD Date:	Not Reported

A7
WNW
1/8 - 1/4 Mile

OIL_GAS CAOG13000227587

API #:	0403703743	Well #:	M956E
Well Status:	Active	Well Type:	OG
Operator Name:	Tidelands Oil Production Co.		
Lease Name:	Lease by Tidelands Oil Production Co.		
Field Name:	Wilmington	Area Name:	Fault Block V
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	Y	SPUD Date:	Not Reported

A8
WNW
1/8 - 1/4 Mile

OIL_GAS CAOG13000227588

API #:	0403703744	Well #:	M957E
Well Status:	Idle	Well Type:	OG
Operator Name:	Tidelands Oil Production Co.		
Lease Name:	Lease by Tidelands Oil Production Co.		
Field Name:	Wilmington	Area Name:	Fault Block V
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	Y	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

A9
WNW
1/8 - 1/4 Mile

OIL_GAS CAOG13000227589

API #:	0403703745	Well #:	M958E
Well Status:	Idle	Well Type:	OG
Operator Name:	Tidelands Oil Production Co.		
Lease Name:	Lease by Tidelands Oil Production Co.		
Field Name:	Wilmington	Area Name:	Fault Block V
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	Y	SPUD Date:	Not Reported

A10
WNW
1/8 - 1/4 Mile

OIL_GAS CAOG13000227590

API #:	0403703746	Well #:	M959E
Well Status:	Plugged	Well Type:	OG
Operator Name:	Tidelands Oil Production Co.		
Lease Name:	Lease by Tidelands Oil Production Co.		
Field Name:	Wilmington	Area Name:	Fault Block V
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	Y	SPUD Date:	Not Reported

A11
WNW
1/8 - 1/4 Mile

OIL_GAS CAOG13000228761

API #:	0403703228	Well #:	556-W
Well Status:	Plugged	Well Type:	INJ
Operator Name:	Tidelands Oil Production Co.		
Lease Name:	Lease by Tidelands Oil Production Co.		
Field Name:	Wilmington	Area Name:	Fault Block V
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

A12
WNW
1/8 - 1/4 Mile

OIL_GAS CAOG13000227591

API #:	0403703747	Well #:	M960E
Well Status:	Active	Well Type:	OG
Operator Name:	Tidelands Oil Production Co.		
Lease Name:	Lease by Tidelands Oil Production Co.		
Field Name:	Wilmington	Area Name:	Fault Block V
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	Y	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

A13
WNW
1/8 - 1/4 Mile

OIL_GAS CAOG13000227592

API #:	0403703748	Well #:	M961E
Well Status:	Idle	Well Type:	OG
Operator Name:	Tidelands Oil Production Co.		
Lease Name:	Lease by Tidelands Oil Production Co.		
Field Name:	Wilmington	Area Name:	Fault Block V
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	Y	SPUD Date:	Not Reported

A14
WNW
1/8 - 1/4 Mile

OIL_GAS CAOG13000228762

API #:	0403703229	Well #:	558-W
Well Status:	Plugged	Well Type:	INJ
Operator Name:	Tidelands Oil Production Co.		
Lease Name:	Lease by Tidelands Oil Production Co.		
Field Name:	Wilmington	Area Name:	Fault Block V
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

A15
WNW
1/8 - 1/4 Mile

OIL_GAS CAOG13000227593

API #:	0403703749	Well #:	M962E
Well Status:	Plugged	Well Type:	OG
Operator Name:	Tidelands Oil Production Co.		
Lease Name:	Lease by Tidelands Oil Production Co.		
Field Name:	Wilmington	Area Name:	Fault Block V
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	Y	SPUD Date:	Not Reported

A16
WNW
1/8 - 1/4 Mile

OIL_GAS CAOG13000228765

API #:	0403703232	Well #:	587-W
Well Status:	Plugged	Well Type:	INJ
Operator Name:	Tidelands Oil Production Co.		
Lease Name:	Lease by Tidelands Oil Production Co.		
Field Name:	Wilmington	Area Name:	Fault Block V
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

A17
WNW
1/8 - 1/4 Mile

OIL_GAS CAOG13000227594

API #:	0403703750	Well #:	M963E
Well Status:	Idle	Well Type:	OG
Operator Name:	Tidelands Oil Production Co.		
Lease Name:	Lease by Tidelands Oil Production Co.		
Field Name:	Wilmington	Area Name:	Fault Block V
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	Y	SPUD Date:	Not Reported

A18
WNW
1/8 - 1/4 Mile

OIL_GAS CAOG13000228766

API #:	0403703233	Well #:	588-W
Well Status:	Plugged	Well Type:	INJ
Operator Name:	Mobil Oil Corporation	Lease Name:	Lease by Mobil Oil Corporation
Field Name:	Wilmington	Area Name:	Fault Block V
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	Y	SPUD Date:	Not Reported

A19
WNW
1/8 - 1/4 Mile

OIL_GAS CAOG13000227596

API #:	0403703752	Well #:	M970E
Well Status:	Idle	Well Type:	OG
Operator Name:	Tidelands Oil Production Co.		
Lease Name:	Lease by Tidelands Oil Production Co.		
Field Name:	Wilmington	Area Name:	Fault Block V
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	Y	SPUD Date:	Not Reported

A20
WNW
1/8 - 1/4 Mile

OIL_GAS CAOG13000227597

API #:	0403703753	Well #:	578-W
Well Status:	Idle	Well Type:	Multi
Operator Name:	Tidelands Oil Production Co.		
Lease Name:	Lease by Tidelands Oil Production Co.		
Field Name:	Wilmington	Area Name:	Fault Block V
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	Y	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

A21
WNW
1/8 - 1/4 Mile

OIL_GAS CAOG13000229766

API #:	0403720068	Well #:	THX 2-1
Well Status:	Plugged	Well Type:	INJ
Operator Name:	THUMS Long Beach Co.	Lease Name:	Lease by THUMS Long Beach Co.
Field Name:	Wilmington	Area Name:	Fault Block VI
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

A22
WNW
1/8 - 1/4 Mile

OIL_GAS CAOG13000229765

API #:	0403720067	Well #:	THX 1-I
Well Status:	Plugged	Well Type:	INJ
Operator Name:	THUMS Long Beach Co.	Lease Name:	Lease by THUMS Long Beach Co.
Field Name:	Wilmington	Area Name:	Fault Block VI
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

A23
WNW
1/8 - 1/4 Mile

OIL_GAS CAOG13000227579

API #:	0403703735	Well #:	561-W
Well Status:	Plugged	Well Type:	INJ
Operator Name:	Mobil Oil Corporation	Lease Name:	Lease by Mobil Oil Corporation
Field Name:	Wilmington	Area Name:	Fault Block V
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	Y	SPUD Date:	Not Reported

A24
WNW
1/8 - 1/4 Mile

OIL_GAS CAOG13000227425

API #:	0403703724	Well #:	M901E
Well Status:	Idle	Well Type:	OG
Operator Name:	Tidelands Oil Production Co.		
Lease Name:	Lease by Tidelands Oil Production Co.		
Field Name:	Wilmington	Area Name:	Fault Block V
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	Y	SPUD Date:	05/10/1964

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

A25
WNW
1/8 - 1/4 Mile

OIL_GAS CAOG13000227426

API #:	0403703725	Well #:	M902E
Well Status:	Plugged	Well Type:	OG
Operator Name:	Tidelands Oil Production Co.		
Lease Name:	Lease by Tidelands Oil Production Co.		
Field Name:	Wilmington	Area Name:	Fault Block V
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	Y	SPUD Date:	Not Reported

A26
WNW
1/8 - 1/4 Mile

OIL_GAS CAOG13000227427

API #:	0403703726	Well #:	562-W
Well Status:	Idle	Well Type:	INJ
Operator Name:	Tidelands Oil Production Co.		
Lease Name:	Lease by Tidelands Oil Production Co.		
Field Name:	Wilmington	Area Name:	Fault Block V
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	Y	SPUD Date:	Not Reported

A27
WNW
1/8 - 1/4 Mile

OIL_GAS CAOG13000227428

API #:	0403703727	Well #:	M904E
Well Status:	Idle	Well Type:	OG
Operator Name:	Tidelands Oil Production Co.		
Lease Name:	Lease by Tidelands Oil Production Co.		
Field Name:	Wilmington	Area Name:	Fault Block V
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	Y	SPUD Date:	Not Reported

A28
WNW
1/8 - 1/4 Mile

OIL_GAS CAOG13000227429

API #:	0403703728	Well #:	M905E
Well Status:	Plugged	Well Type:	OG
Operator Name:	Tidelands Oil Production Co.		
Lease Name:	Lease by Tidelands Oil Production Co.		
Field Name:	Wilmington	Area Name:	Fault Block V
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	Y	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

A29
WNW
1/8 - 1/4 Mile

OIL_GAS CAOG13000227430

API #:	0403703729	Well #:	M906E
Well Status:	Active	Well Type:	OG
Operator Name:	Tidelands Oil Production Co.		
Lease Name:	Lease by Tidelands Oil Production Co.		
Field Name:	Wilmington	Area Name:	Fault Block V
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	Y	SPUD Date:	Not Reported

A30
WNW
1/8 - 1/4 Mile

OIL_GAS CAOG13000227431

API #:	0403703730	Well #:	M907E
Well Status:	Idle	Well Type:	OG
Operator Name:	Tidelands Oil Production Co.		
Lease Name:	Lease by Tidelands Oil Production Co.		
Field Name:	Wilmington	Area Name:	Fault Block V
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

A31
WNW
1/8 - 1/4 Mile

OIL_GAS CAOG13000227432

API #:	0403703731	Well #:	M908E
Well Status:	Plugged	Well Type:	OG
Operator Name:	Tidelands Oil Production Co.		
Lease Name:	Lease by Tidelands Oil Production Co.		
Field Name:	Wilmington	Area Name:	Fault Block V
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	Y	SPUD Date:	Not Reported

A32
WNW
1/8 - 1/4 Mile

OIL_GAS CAOG13000227433

API #:	0403703732	Well #:	M909E
Well Status:	Idle	Well Type:	OG
Operator Name:	Tidelands Oil Production Co.		
Lease Name:	Lease by Tidelands Oil Production Co.		
Field Name:	Wilmington	Area Name:	Fault Block V
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	Y	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

A33
WNW
1/8 - 1/4 Mile

OIL_GAS CAOG13000227224

API #:	0403703733	Well #:	560-W
Well Status:	Plugged	Well Type:	Multi
Operator Name:	Tidelands Oil Production Co.		
Lease Name:	Lease by Tidelands Oil Production Co.		
Field Name:	Old Wilmington (ABD)	Area Name:	Fault Block V Onshore
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	Y	SPUD Date:	Not Reported

A34
WNW
1/8 - 1/4 Mile

OIL_GAS CAOG13000227578

API #:	0403703734	Well #:	M911E
Well Status:	Idle	Well Type:	OG
Operator Name:	Tidelands Oil Production Co.		
Lease Name:	Lease by Tidelands Oil Production Co.		
Field Name:	Wilmington	Area Name:	Fault Block V
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	Y	SPUD Date:	Not Reported

A35
WNW
1/8 - 1/4 Mile

OIL_GAS CAOG13000228760

API #:	0403703227	Well #:	553-W
Well Status:	Idle	Well Type:	INJ
Operator Name:	Tidelands Oil Production Co.		
Lease Name:	Lease by Tidelands Oil Production Co.		
Field Name:	Wilmington	Area Name:	Fault Block V
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

A36
WNW
1/8 - 1/4 Mile

OIL_GAS CAOG13000227580

API #:	0403703736	Well #:	571-W
Well Status:	Plugged	Well Type:	INJ
Operator Name:	Tidelands Oil Production Co.		
Lease Name:	Lease by Tidelands Oil Production Co.		
Field Name:	Wilmington	Area Name:	Fault Block V
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

A37
WNW
1/8 - 1/4 Mile

OIL_GAS CAOG13000228763

API #:	0403703230	Well #:	581-W
Well Status:	Plugged	Well Type:	INJ
Operator Name:	Mobil Oil Corporation	Lease Name:	Lease by Mobil Oil Corporation
Field Name:	Wilmington	Area Name:	Fault Block V
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	Y	SPUD Date:	Not Reported

A38
WNW
1/8 - 1/4 Mile

OIL_GAS CAOG13000228764

API #:	0403703231	Well #:	585-W
Well Status:	Idle	Well Type:	Multi
Operator Name:	Tidelands Oil Production Co.		
Lease Name:	Lease by Tidelands Oil Production Co.		
Field Name:	Wilmington	Area Name:	Fault Block V
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

A39
NW
1/8 - 1/4 Mile

OIL_GAS CAOG13000229166

API #:	0403722864	Well #:	THX 4-1
Well Status:	Plugged	Well Type:	INJ
Operator Name:	THUMS Long Beach Co.	Lease Name:	Lease by THUMS Long Beach Co.
Field Name:	Wilmington	Area Name:	Fault Block VI
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

40
NW
1/8 - 1/4 Mile

OIL_GAS CAOG13000229161

API #:	0403722852	Well #:	THX 3-I
Well Status:	Plugged	Well Type:	INJ
Operator Name:	THUMS Long Beach Co.	Lease Name:	Lease by THUMS Long Beach Co.
Field Name:	Wilmington	Area Name:	Fault Block VI
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

B41
SW
1/4 - 1/2 Mile

OIL_GAS CAOG13000227581

API #:	0403703737	Well #:	M950E
Well Status:	Plugged	Well Type:	OG
Operator Name:	Tidelands Oil Production Co.		
Lease Name:	Lease by Tidelands Oil Production Co.		
Field Name:	Wilmington	Area Name:	Fault Block V
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

B42
SW
1/4 - 1/2 Mile

OIL_GAS CAOG13000227505

API #:	0403703901	Well #:	SC-30
Well Status:	Active	Well Type:	INJ
Operator Name:	California Resources Long Beach, Inc.		
Lease Name:	Lease by California Resources Long Beach, Inc.		
Field Name:	Wilmington	Area Name:	Fault Block V
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

B43
SW
1/4 - 1/2 Mile

OIL_GAS CAOG13000227553

API #:	0403703858	Well #:	S-308
Well Status:	Active	Well Type:	OG
Operator Name:	California Resources Long Beach, Inc.		
Lease Name:	Lease by California Resources Long Beach, Inc.		
Field Name:	Wilmington	Area Name:	Fault Block VI
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

C44
SSW
1/4 - 1/2 Mile

OIL_GAS CAOG13000230781

API #:	0403720733	Well #:	SC-31
Well Status:	Idle	Well Type:	OG
Operator Name:	California Resources Long Beach, Inc.		
Lease Name:	Lease by California Resources Long Beach, Inc.		
Field Name:	Wilmington	Area Name:	Fault Block V
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

C45
SSW
1/4 - 1/2 Mile

OIL_GAS CAOG13000232733

API #:	0403727434	Well #:	S-515
Well Status:	Canceled	Well Type:	OG
Operator Name:	OXY Long Beach, Inc.	Lease Name:	Lease by OXY Long Beach, Inc.
Field Name:	Wilmington	Area Name:	Any Block
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

C46
SSW
1/4 - 1/2 Mile

OIL_GAS CAOG13000232732

API #:	0403727433	Well #:	S-514
Well Status:	Canceled	Well Type:	OG
Operator Name:	OXY Long Beach, Inc.	Lease Name:	Lease by OXY Long Beach, Inc.
Field Name:	Wilmington	Area Name:	Any Block
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

C47
SSW
1/4 - 1/2 Mile

OIL_GAS CAOG13000227548

API #:	0403703853	Well #:	S-303
Well Status:	Active	Well Type:	OG
Operator Name:	California Resources Long Beach, Inc.		
Lease Name:	Lease by California Resources Long Beach, Inc.		
Field Name:	Wilmington	Area Name:	Fault Block VI
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

C48
SSW
1/4 - 1/2 Mile

OIL_GAS CAOG13000232731

API #:	0403727432	Well #:	S-513
Well Status:	Active	Well Type:	OG
Operator Name:	California Resources Long Beach, Inc.		
Lease Name:	Lease by California Resources Long Beach, Inc.		
Field Name:	Wilmington	Area Name:	Fault Block VI
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	Y	SPUD Date:	12/23/2012

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

C49
SSW
1/4 - 1/2 Mile

OIL_GAS CAOG13000227555

API #:	0403703860	Well #:	S-310
Well Status:	Active	Well Type:	OG
Operator Name:	California Resources Long Beach, Inc.		
Lease Name:	Lease by California Resources Long Beach, Inc.		
Field Name:	Wilmington	Area Name:	Fault Block VI
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

C50
SSW
1/4 - 1/2 Mile

OIL_GAS CAOG13000232730

API #:	0403727431	Well #:	S-512
Well Status:	Canceled	Well Type:	OG
Operator Name:	California Resources Long Beach, Inc.		
Lease Name:	Lease by California Resources Long Beach, Inc.		
Field Name:	Wilmington	Area Name:	Fault Block VI
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	Y	SPUD Date:	Not Reported

C51
SSW
1/4 - 1/2 Mile

OIL_GAS CAOG13000232729

API #:	0403727430	Well #:	S-511
Well Status:	Canceled	Well Type:	OG
Operator Name:	California Resources Long Beach, Inc.		
Lease Name:	Lease by California Resources Long Beach, Inc.		
Field Name:	Wilmington	Area Name:	Fault Block VI
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	Y	SPUD Date:	Not Reported

C52
SSW
1/4 - 1/2 Mile

OIL_GAS CAOG13000227554

API #:	0403703859	Well #:	S-309
Well Status:	Idle	Well Type:	OG
Operator Name:	California Resources Long Beach, Inc.		
Lease Name:	Lease by California Resources Long Beach, Inc.		
Field Name:	Wilmington	Area Name:	Fault Block VI
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

C53
SSW
1/4 - 1/2 Mile

OIL_GAS CAOG13000229008

API #:	0403727173	Well #:	S-510
Well Status:	Active	Well Type:	OG
Operator Name:	California Resources Long Beach, Inc.		
Lease Name:	Lease by California Resources Long Beach, Inc.		
Field Name:	Wilmington	Area Name:	Fault Block VI
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	Y	SPUD Date:	01/03/2013

C54
SSW
1/4 - 1/2 Mile

OIL_GAS CAOG13000227549

API #:	0403703854	Well #:	S-304
Well Status:	Active	Well Type:	INJ
Operator Name:	California Resources Long Beach, Inc.		
Lease Name:	Lease by California Resources Long Beach, Inc.		
Field Name:	Wilmington	Area Name:	Fault Block VI
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	Y	SPUD Date:	Not Reported

C55
SSW
1/4 - 1/2 Mile

OIL_GAS CAOG13000232728

API #:	0403727429	Well #:	S-509
Well Status:	Active	Well Type:	OG
Operator Name:	California Resources Long Beach, Inc.		
Lease Name:	Lease by California Resources Long Beach, Inc.		
Field Name:	Wilmington	Area Name:	Fault Block VI
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	Y	SPUD Date:	01/14/2013

C56
SSW
1/4 - 1/2 Mile

OIL_GAS CAOG13000232727

API #:	0403727428	Well #:	S-508 I
Well Status:	Canceled	Well Type:	INJ
Operator Name:	California Resources Long Beach, Inc.		
Lease Name:	Lease by California Resources Long Beach, Inc.		
Field Name:	Wilmington	Area Name:	Fault Block VI
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	Y	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

C57
SSW
1/4 - 1/2 Mile

OIL_GAS CAOG13000232726

API #:	0403727427	Well #:	S-507 I
Well Status:	Canceled	Well Type:	INJ
Operator Name:	California Resources Long Beach, Inc.		
Lease Name:	Lease by California Resources Long Beach, Inc.		
Field Name:	Wilmington	Area Name:	Fault Block VI
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	Y	SPUD Date:	Not Reported

C58
SSW
1/4 - 1/2 Mile

OIL_GAS CAOG13000229759

API #:	0403720076	Well #:	S-015
Well Status:	Idle	Well Type:	INJ
Operator Name:	California Resources Long Beach, Inc.		
Lease Name:	N-3-C	Field Name:	Wilmington
Area Name:	Fault Block VI	GIS Source:	GPS
Confidential Well:	N	Directionally Drilled:	N
SPUD Date:	Not Reported		

C59
SSW
1/4 - 1/2 Mile

OIL_GAS CAOG13000232734

API #:	0403727435	Well #:	S-506
Well Status:	Canceled	Well Type:	OG
Operator Name:	California Resources Long Beach, Inc.		
Lease Name:	Lease by California Resources Long Beach, Inc.		
Field Name:	Wilmington	Area Name:	Any Block
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

C60
SSW
1/4 - 1/2 Mile

OIL_GAS CAOG13000232725

API #:	0403727426	Well #:	S-505
Well Status:	Canceled	Well Type:	OG
Operator Name:	California Resources Long Beach, Inc.		
Lease Name:	Lease by California Resources Long Beach, Inc.		
Field Name:	Wilmington	Area Name:	Any Block
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

C61
SSW
1/4 - 1/2 Mile

OIL_GAS CAOG13000227552

API #:	0403703857	Well #:	S-307
Well Status:	Active	Well Type:	INJ
Operator Name:	California Resources Long Beach, Inc.		
Lease Name:	N-3-C	Field Name:	Wilmington
Area Name:	Fault Block VI	GIS Source:	GPS
Confidential Well:	N	Directionally Drilled:	Y
SPUD Date:	Not Reported		

C62
SSW
1/4 - 1/2 Mile

OIL_GAS CAOG13000232724

API #:	0403727425	Well #:	S-504
Well Status:	Canceled	Well Type:	OG
Operator Name:	California Resources Long Beach, Inc.		
Lease Name:	Lease by California Resources Long Beach, Inc.		
Field Name:	Wilmington	Area Name:	Any Block
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

C63
SSW
1/4 - 1/2 Mile

OIL_GAS CAOG13000227551

API #:	0403703856	Well #:	S-306
Well Status:	Active	Well Type:	INJ
Operator Name:	California Resources Long Beach, Inc.		
Lease Name:	N-3-C	Field Name:	Wilmington
Area Name:	Fault Block VI	GIS Source:	GPS
Confidential Well:	N	Directionally Drilled:	Y
SPUD Date:	Not Reported		

C64
SSW
1/4 - 1/2 Mile

OIL_GAS CAOG13000232723

API #:	0403727424	Well #:	S-503
Well Status:	Canceled	Well Type:	OG
Operator Name:	California Resources Long Beach, Inc.		
Lease Name:	Lease by California Resources Long Beach, Inc.		
Field Name:	Wilmington	Area Name:	Any Block
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

C65
SSW
1/4 - 1/2 Mile

OIL_GAS CAOG13000232722

API #:	0403727423	Well #:	S-502
Well Status:	Canceled	Well Type:	OG
Operator Name:	California Resources Long Beach, Inc.		
Lease Name:	Lease by California Resources Long Beach, Inc.		
Field Name:	Wilmington	Area Name:	Any Block
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

C66
SSW
1/4 - 1/2 Mile

OIL_GAS CAOG13000229848

API #:	0403730041	Well #:	S-501
Well Status:	Canceled	Well Type:	OG
Operator Name:	OXY Long Beach, Inc.	Lease Name:	Lease by OXY Long Beach, Inc.
Field Name:	Wilmington	Area Name:	Any Block
GIS Source:	Notice of Intent to Drill	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

67
WNW
1/4 - 1/2 Mile

OIL_GAS CAOG13000227424

API #:	0403703723	Well #:	M900E
Well Status:	Idle	Well Type:	OG
Operator Name:	Tidelands Oil Production Co.		
Lease Name:	Lease by Tidelands Oil Production Co.		
Field Name:	Wilmington	Area Name:	Fault Block V
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

D68
SW
1/4 - 1/2 Mile

OIL_GAS CAOG13000227218

API #:	0403703776	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Salvatore Natoli, Jr.	Lease Name:	T & L
Field Name:	Old Wilmington (ABD)	Area Name:	Any Block
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

C69
SSW
1/4 - 1/2 Mile

OIL_GAS CAOG13000227449

API #:	0403703698	Well #:	SC-26
Well Status:	Idle	Well Type:	INJ
Operator Name:	California Resources Long Beach, Inc.		
Lease Name:	Lease by California Resources Long Beach, Inc.		
Field Name:	Wilmington	Area Name:	Fault Block V
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	Y	SPUD Date:	Not Reported

70
SSW
1/4 - 1/2 Mile

OIL_GAS CAOG13000229613

API #:	0403722282	Well #:	S-234
Well Status:	Idle	Well Type:	OG
Operator Name:	California Resources Long Beach, Inc.		
Lease Name:	Lease by California Resources Long Beach, Inc.		
Field Name:	Wilmington	Area Name:	Fault Block V
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

D71
SW
1/4 - 1/2 Mile

OIL_GAS CAOG13000226299

API #:	0403702256	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	John M. Stahl	Lease Name:	Lease by John M. Stahl
Field Name:	Old Wilmington (ABD)	Area Name:	Any Block
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

D72
SW
1/4 - 1/2 Mile

OIL_GAS CAOG13000226661

API #:	0403701499	Well #:	3
Well Status:	Plugged	Well Type:	OG
Operator Name:	Hamarson Oil Co.	Lease Name:	Lease by Hamarson Oil Co.
Field Name:	Old Wilmington (ABD)	Area Name:	Any Block
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

D73

SW

1/4 - 1/2 Mile

OIL_GAS

CAOG13000227436

API #:	0403703708	Well #:	M725E
Well Status:	Active	Well Type:	OG
Operator Name:	Tidelands Oil Production Co.		
Lease Name:	Lease by Tidelands Oil Production Co.		
Field Name:	Wilmington	Area Name:	Fault Block V
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

D74

SW

1/4 - 1/2 Mile

OIL_GAS

CAOG13000227435

API #:	0403703707	Well #:	M718E
Well Status:	Plugged	Well Type:	OG
Operator Name:	Tidelands Oil Production Co.		
Lease Name:	Lease by Tidelands Oil Production Co.		
Field Name:	Wilmington	Area Name:	Fault Block V
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

D75

SW

1/4 - 1/2 Mile

OIL_GAS

CAOG13000229522

API #:	0403721840	Well #:	M727E
Well Status:	Plugged	Well Type:	OG
Operator Name:	Tidelands Oil Production Co.		
Lease Name:	Lease by Tidelands Oil Production Co.		
Field Name:	Wilmington	Area Name:	Fault Block V
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

D76

SW

1/4 - 1/2 Mile

OIL_GAS

CAOG13000226662

API #:	0403701500	Well #:	2
Well Status:	Plugged	Well Type:	OG
Operator Name:	Harmor Petro. Co.	Lease Name:	Harbor
Field Name:	Old Wilmington (ABD)	Area Name:	Any Block
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

E77

SW

1/4 - 1/2 Mile

OIL_GAS

CAOG13000227454

API #:	0403703703	Well #:	M711E
Well Status:	Active	Well Type:	OG
Operator Name:	Tidelands Oil Production Co.		
Lease Name:	Lease by Tidelands Oil Production Co.		
Field Name:	Wilmington	Area Name:	Fault Block V
GIS Source:	Well Summary	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	02/06/1941

F78

WSW

1/4 - 1/2 Mile

OIL_GAS

CAOG13000227453

API #:	0403703702	Well #:	M710E
Well Status:	Idle	Well Type:	OG
Operator Name:	Tidelands Oil Production Co.		
Lease Name:	Lease by Tidelands Oil Production Co.		
Field Name:	Wilmington	Area Name:	Fault Block V
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

G79

SW

1/4 - 1/2 Mile

OIL_GAS

CAOG13000228759

API #:	0403703226	Well #:	544-W
Well Status:	Plugged	Well Type:	INJ
Operator Name:	Mobil Oil Corporation	Lease Name:	Lease by Mobil Oil Corporation
Field Name:	Wilmington	Area Name:	Fault Block V
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

E80

SW

1/4 - 1/2 Mile

OIL_GAS

CAOG13000227455

API #:	0403703704	Well #:	M712E
Well Status:	Plugged	Well Type:	OG
Operator Name:	Mobil Oil Corporation	Lease Name:	Lease by Mobil Oil Corporation
Field Name:	Wilmington	Area Name:	Fault Block V
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

G81
SW
1/4 - 1/2 Mile

OIL_GAS CAOG13000227434

API #:	0403703706	Well #:	545-W
Well Status:	Plugged	Well Type:	INJ
Operator Name:	Mobil Oil Corporation	Lease Name:	Lease by Mobil Oil Corporation
Field Name:	Wilmington	Area Name:	Fault Block V
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

H82
SSW
1/4 - 1/2 Mile

OIL_GAS CAOG13000227447

API #:	0403703696	Well #:	SC-24
Well Status:	Idle	Well Type:	INJ
Operator Name:	California Resources Long Beach, Inc.		
Lease Name:	Lease by California Resources Long Beach, Inc.		
Field Name:	Wilmington	Area Name:	Fault Block V
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

E83
SW
1/4 - 1/2 Mile

OIL_GAS CAOG13000227327

API #:	0403703662	Well #:	17
Well Status:	Plugged	Well Type:	OG
Operator Name:	Recknagel & Mangold Oil Co.		
Lease Name:	W.A.	Field Name:	Old Wilmington (ABD)
Area Name:	Any Block	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
SPUD Date:	Not Reported		

G84
SSW
1/4 - 1/2 Mile

OIL_GAS CAOG13000226660

API #:	0403701498	Well #:	2
Well Status:	Plugged	Well Type:	OG
Operator Name:	Hamarson Oil Co.	Lease Name:	Lease by Hamarson Oil Co.
Field Name:	Old Wilmington (ABD)	Area Name:	Any Block
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

G85

SW

1/4 - 1/2 Mile

OIL_GAS

CAOG13000227348

API #:	0403703705	Well #:	548-W
Well Status:	Plugged	Well Type:	Multi
Operator Name:	Tidelands Oil Production Co.		
Lease Name:	Lease by Tidelands Oil Production Co.		
Field Name:	Old Wilmington (ABD)	Area Name:	Fault Block V Onshore
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

H86

SSW

1/4 - 1/2 Mile

OIL_GAS

CAOG13000227448

API #:	0403703697	Well #:	SC-25
Well Status:	Idle	Well Type:	OG
Operator Name:	California Resources Long Beach, Inc.		
Lease Name:	Lease by California Resources Long Beach, Inc.		
Field Name:	Wilmington	Area Name:	Fault Block V
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

H87

SSW

1/2 - 1 Mile

OIL_GAS

CAOG13000227450

API #:	0403703699	Well #:	SC-27
Well Status:	Idle	Well Type:	OG
Operator Name:	California Resources Long Beach, Inc.		
Lease Name:	Lease by California Resources Long Beach, Inc.		
Field Name:	Wilmington	Area Name:	Fault Block V
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

H88

SSW

1/2 - 1 Mile

OIL_GAS

CAOG13000227451

API #:	0403703700	Well #:	SC-29
Well Status:	Idle	Well Type:	OG
Operator Name:	California Resources Long Beach, Inc.		
Lease Name:	Lease by California Resources Long Beach, Inc.		
Field Name:	Wilmington	Area Name:	Fault Block V
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

E89
SW
1/2 - 1 Mile

OIL_GAS CAOG13000226637

API #:	0403701457	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	F. E. Fairfield	Lease Name:	Golden Circle
Field Name:	Old Wilmington (ABD)	Area Name:	Any Block
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

F90
WSW
1/2 - 1 Mile

OIL_GAS CAOG13000227452

API #:	0403703701	Well #:	M709E
Well Status:	Idle	Well Type:	OG
Operator Name:	Tidelands Oil Production Co.		
Lease Name:	Lease by Tidelands Oil Production Co.		
Field Name:	Wilmington	Area Name:	Fault Block V
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

H91
SSW
1/2 - 1 Mile

OIL_GAS CAOG13000227533

API #:	0403703929	Well #:	S-228
Well Status:	Plugged	Well Type:	INJ
Operator Name:	California Resources Long Beach, Inc.		
Lease Name:	Lease by California Resources Long Beach, Inc.		
Field Name:	Wilmington	Area Name:	Fault Block VI
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

H92
SSW
1/2 - 1 Mile

OIL_GAS CAOG13000227550

API #:	0403703855	Well #:	S-305
Well Status:	Idle	Well Type:	OG
Operator Name:	California Resources Long Beach, Inc.		
Lease Name:	Lease by California Resources Long Beach, Inc.		
Field Name:	Wilmington	Area Name:	Fault Block VI
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	Y	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

I93
SW
1/2 - 1 Mile

OIL_GAS CAOG13000228212

API #:	0403704611	Well #:	543-W
Well Status:	Plugged	Well Type:	INJ
Operator Name:	Tidelands Oil Production Co.		
Lease Name:	Lease by Tidelands Oil Production Co.		
Field Name:	Wilmington	Area Name:	Fault Block V
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

H94
SSW
1/2 - 1 Mile

OIL_GAS CAOG13000227547

API #:	0403703852	Well #:	S-302
Well Status:	Idle	Well Type:	OG
Operator Name:	California Resources Long Beach, Inc.		
Lease Name:	Lease by California Resources Long Beach, Inc.		
Field Name:	Wilmington	Area Name:	Fault Block VI
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

J95
SSW
1/2 - 1 Mile

OIL_GAS CAOG13000228523

API #:	0403703540	Well #:	M523E
Well Status:	Plugged	Well Type:	OG
Operator Name:	Tidelands Oil Production Co.		
Lease Name:	Lease by Tidelands Oil Production Co.		
Field Name:	Wilmington	Area Name:	Fault Block V
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

H96
SSW
1/2 - 1 Mile

OIL_GAS CAOG13000227546

API #:	0403703851	Well #:	S-301
Well Status:	Active	Well Type:	OG
Operator Name:	California Resources Long Beach, Inc.		
Lease Name:	Lease by California Resources Long Beach, Inc.		
Field Name:	Wilmington	Area Name:	Fault Block VI
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

H97
SSW
1/2 - 1 Mile

OIL_GAS CAOG13000227557

API #:	0403703862	Well #:	S-005
Well Status:	Plugged	Well Type:	INJ
Operator Name:	California Resources Long Beach, Inc.		
Lease Name:	Lease by California Resources Long Beach, Inc.		
Field Name:	Wilmington	Area Name:	Fault Block VI
GIS Source:	Well Summary	Confidential Well:	N
Directionally Drilled:	Y	SPUD Date:	Not Reported

I98
SW
1/2 - 1 Mile

OIL_GAS CAOG13000227476

API #:	0403703623	Well #:	546-W
Well Status:	Plugged	Well Type:	INJ
Operator Name:	Tidelands Oil Production Co.		
Lease Name:	Lease by Tidelands Oil Production Co.		
Field Name:	Wilmington	Area Name:	Fault Block V
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

I99
SW
1/2 - 1 Mile

OIL_GAS CAOG13000229537

API #:	0403721735	Well #:	M726E
Well Status:	Active	Well Type:	OG
Operator Name:	Tidelands Oil Production Co.		
Lease Name:	Lease by Tidelands Oil Production Co.		
Field Name:	Wilmington	Area Name:	Fault Block V
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

J100
SSW
1/2 - 1 Mile

OIL_GAS CAOG13000227445

API #:	0403703694	Well #:	SC-22
Well Status:	Plugged	Well Type:	OG
Operator Name:	California Resources Long Beach, Inc.		
Lease Name:	Lease by California Resources Long Beach, Inc.		
Field Name:	Wilmington	Area Name:	Fault Block V
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

J101
SW
1/2 - 1 Mile

OIL_GAS CAOG13000228521

API #:	0403703538	Well #:	M521E
Well Status:	Idle	Well Type:	OG
Operator Name:	Tidelands Oil Production Co.		
Lease Name:	Lease by Tidelands Oil Production Co.		
Field Name:	Wilmington	Area Name:	Fault Block V
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

J102
SSW
1/2 - 1 Mile

OIL_GAS CAOG13000226610

API #:	0403701419	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	California Pacific Oil Co.		
Lease Name:	Star	Field Name:	Old Wilmington (ABD)
Area Name:	Any Block	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
SPUD Date:	Not Reported		

J103
SSW
1/2 - 1 Mile

OIL_GAS CAOG13000228522

API #:	0403703539	Well #:	M522E
Well Status:	Active	Well Type:	OG
Operator Name:	Tidelands Oil Production Co.		
Lease Name:	Lease by Tidelands Oil Production Co.		
Field Name:	Wilmington	Area Name:	Fault Block V
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

104
SW
1/2 - 1 Mile

OIL_GAS CAOG13000228520

API #:	0403703537	Well #:	M520E
Well Status:	Plugged	Well Type:	OG
Operator Name:	Tidelands Oil Production Co.		
Lease Name:	Lease by Tidelands Oil Production Co.		
Field Name:	Wilmington	Area Name:	Fault Block V
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

K105
WSW
1/2 - 1 Mile

OIL_GAS CAOG13000227313

API #:	0403703622	Well #:	M705E
Well Status:	Plugged	Well Type:	OG
Operator Name:	Mobil Oil Corporation	Lease Name:	Lease by Mobil Oil Corporation
Field Name:	Old Wilmington (ABD)	Area Name:	Any Block
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

J106
SSW
1/2 - 1 Mile

OIL_GAS CAOG13000227190

API #:	0403704008	Well #:	5
Well Status:	Plugged	Well Type:	OG
Operator Name:	Terminal Oil Co.	Lease Name:	Channel 3 Comm.
Field Name:	Old Wilmington (ABD)	Area Name:	Any Block
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

K107
WSW
1/2 - 1 Mile

OIL_GAS CAOG13000227235

API #:	0403703798	Well #:	15
Well Status:	Plugged	Well Type:	OG
Operator Name:	Petroleum Midway Co.	Lease Name:	Kupfer
Field Name:	Old Wilmington (ABD)	Area Name:	Any Block
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

J108
SSW
1/2 - 1 Mile

OIL_GAS CAOG13000228531

API #:	0403703512	Well #:	M486E
Well Status:	Plugged	Well Type:	OG
Operator Name:	Tidelands Oil Production Co.		
Lease Name:	Lease by Tidelands Oil Production Co.		
Field Name:	Wilmington	Area Name:	Fault Block V
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

J109
SSW
1/2 - 1 Mile

OIL_GAS CAOG13000228533

API #:	0403703514	Well #:	M490E
Well Status:	Plugged	Well Type:	OG
Operator Name:	Tidelands Oil Production Co.		
Lease Name:	Lease by Tidelands Oil Production Co.		
Field Name:	Wilmington	Area Name:	Fault Block V
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

L110
SSW
1/2 - 1 Mile

OIL_GAS CAOG13000230794

API #:	0403720557	Well #:	S-231
Well Status:	Active	Well Type:	OG
Operator Name:	California Resources Long Beach, Inc.		
Lease Name:	Lease by California Resources Long Beach, Inc.		
Field Name:	Wilmington	Area Name:	Fault Block V
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

L111
SSW
1/2 - 1 Mile

OIL_GAS CAOG13000229757

API #:	0403720496	Well #:	S-233
Well Status:	Idle	Well Type:	OG
Operator Name:	California Resources Long Beach, Inc.		
Lease Name:	Lease by California Resources Long Beach, Inc.		
Field Name:	Wilmington	Area Name:	Fault Block V
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

L112
SSW
1/2 - 1 Mile

OIL_GAS CAOG13000227556

API #:	0403703861	Well #:	S-004
Well Status:	Idle	Well Type:	INJ
Operator Name:	California Resources Long Beach, Inc.		
Lease Name:	N-3-C	Field Name:	Wilmington
Area Name:	Fault Block VI	GIS Source:	GPS
Confidential Well:	N	Directionally Drilled:	N
SPUD Date:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

M113
WSW
1/2 - 1 Mile

OIL_GAS CAOG13000227312

API #:	0403703621	Well #:	547-W
Well Status:	Plugged	Well Type:	Multi
Operator Name:	Tidelands Oil Production Co.		
Lease Name:	Lease by Tidelands Oil Production Co.		
Field Name:	Old Wilmington (ABD)	Area Name:	Fault Block V Onshore
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

M114
WSW
1/2 - 1 Mile

OIL_GAS CAOG13000228758

API #:	0403703225	Well #:	542-W
Well Status:	Plugged	Well Type:	INJ
Operator Name:	Tidelands Oil Production Co.		
Lease Name:	Lease by Tidelands Oil Production Co.		
Field Name:	Wilmington	Area Name:	Fault Block V
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

L115
SSW
1/2 - 1 Mile

OIL_GAS CAOG13000227535

API #:	0403703931	Well #:	S-230
Well Status:	Active	Well Type:	OG
Operator Name:	California Resources Long Beach, Inc.		
Lease Name:	Lease by California Resources Long Beach, Inc.		
Field Name:	Wilmington	Area Name:	Fault Block VI
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

N116
SSW
1/2 - 1 Mile

OIL_GAS CAOG13000227198

API #:	0403704053	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Mobil Oil Corporation	Lease Name:	Mutual
Field Name:	Old Wilmington (ABD)	Area Name:	Any Block
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

L117
SSW
1/2 - 1 Mile

OIL_GAS CAOG13000227534

API #:	0403703930	Well #:	S-229
Well Status:	Plugged	Well Type:	INJ
Operator Name:	California Resources Long Beach, Inc.		
Lease Name:	Lease by California Resources Long Beach, Inc.		
Field Name:	Wilmington	Area Name:	Fault Block VI
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

K118
WSW
1/2 - 1 Mile

OIL_GAS CAOG13000227482

API #:	0403703619	Well #:	M702E
Well Status:	Plugged	Well Type:	OG
Operator Name:	Tidelands Oil Production Co.		
Lease Name:	Lease by Tidelands Oil Production Co.		
Field Name:	Wilmington	Area Name:	Fault Block V
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

L119
SSW
1/2 - 1 Mile

OIL_GAS CAOG13000227532

API #:	0403703928	Well #:	S-227
Well Status:	Plugged	Well Type:	INJ
Operator Name:	California Resources Long Beach, Inc.		
Lease Name:	Lease by California Resources Long Beach, Inc.		
Field Name:	Wilmington	Area Name:	Fault Block VI
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

L120
SSW
1/2 - 1 Mile

OIL_GAS CAOG13000227531

API #:	0403703927	Well #:	S-226
Well Status:	Plugged	Well Type:	INJ
Operator Name:	California Resources Long Beach, Inc.		
Lease Name:	Lease by California Resources Long Beach, Inc.		
Field Name:	Wilmington	Area Name:	Fault Block VI
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

L121
SSW
1/2 - 1 Mile

OIL_GAS CAOG13000227530

API #:	0403703926	Well #:	S-225
Well Status:	Plugged	Well Type:	OG
Operator Name:	California Resources Long Beach, Inc.		
Lease Name:	Lease by California Resources Long Beach, Inc.		
Field Name:	Wilmington	Area Name:	Fault Block VI
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

L122
SSW
1/2 - 1 Mile

OIL_GAS CAOG13000228829

API #:	0403702274	Well #:	SC-20
Well Status:	Plugged	Well Type:	INJ
Operator Name:	California Resources Long Beach, Inc.		
Lease Name:	Lease by California Resources Long Beach, Inc.		
Field Name:	Wilmington	Area Name:	Fault Block V
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	Y	SPUD Date:	Not Reported

L123
SSW
1/2 - 1 Mile

OIL_GAS CAOG13000227529

API #:	0403703925	Well #:	S-224
Well Status:	Active	Well Type:	OG
Operator Name:	California Resources Long Beach, Inc.		
Lease Name:	Lease by California Resources Long Beach, Inc.		
Field Name:	Wilmington	Area Name:	Fault Block VI
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

124
WSW
1/2 - 1 Mile

OIL_GAS CAOG13000227485

API #:	0403703617	Well #:	551-W
Well Status:	Plugged	Well Type:	INJ
Operator Name:	Tidelands Oil Production Co.		
Lease Name:	Lease by Tidelands Oil Production Co.		
Field Name:	Wilmington	Area Name:	Fault Block V
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

L125
SSW
1/2 - 1 Mile

OIL_GAS CAOG13000227528

API #:	0403703924	Well #:	S-223
Well Status:	Idle	Well Type:	OG
Operator Name:	California Resources Long Beach, Inc.		
Lease Name:	Lease by California Resources Long Beach, Inc.		
Field Name:	Wilmington	Area Name:	Fault Block VI
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

126
SSW
1/2 - 1 Mile

OIL_GAS CAOG13000228757

API #:	0403703224	Well #:	534-W
Well Status:	Plugged	Well Type:	INJ
Operator Name:	Mobil Oil Corporation	Lease Name:	Lease by Mobil Oil Corporation
Field Name:	Wilmington	Area Name:	Fault Block V
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

L127
SSW
1/2 - 1 Mile

OIL_GAS CAOG13000227527

API #:	0403703923	Well #:	S-222
Well Status:	Plugged	Well Type:	OG
Operator Name:	California Resources Long Beach, Inc.		
Lease Name:	Lease by California Resources Long Beach, Inc.		
Field Name:	Wilmington	Area Name:	Fault Block VI
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

L128
SSW
1/2 - 1 Mile

OIL_GAS CAOG13000227526

API #:	0403703922	Well #:	S-221
Well Status:	Plugged	Well Type:	INJ
Operator Name:	California Resources Long Beach, Inc.		
Lease Name:	Lease by California Resources Long Beach, Inc.		
Field Name:	Wilmington	Area Name:	Fault Block VI
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

L129
SSW
1/2 - 1 Mile

OIL_GAS CAOG13000227525

API #:	0403703921	Well #:	S-220
Well Status:	Idle	Well Type:	OG
Operator Name:	California Resources Long Beach, Inc.		
Lease Name:	Lease by California Resources Long Beach, Inc.		
Field Name:	Wilmington	Area Name:	Fault Block VI
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

O130
WSW
1/2 - 1 Mile

OIL_GAS CAOG13000227308

API #:	0403703618	Well #:	M701E
Well Status:	Plugged	Well Type:	OG
Operator Name:	Mobil Oil Corporation	Lease Name:	Lease by Mobil Oil Corporation
Field Name:	Old Wilmington (ABD)	Area Name:	Any Block
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

L131
SSW
1/2 - 1 Mile

OIL_GAS CAOG13000227524

API #:	0403703920	Well #:	S-219
Well Status:	Active	Well Type:	INJ
Operator Name:	California Resources Long Beach, Inc.		
Lease Name:	Lease by California Resources Long Beach, Inc.		
Field Name:	Wilmington	Area Name:	Fault Block VI
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	Y	SPUD Date:	Not Reported

L132
SSW
1/2 - 1 Mile

OIL_GAS CAOG13000227522

API #:	0403703918	Well #:	S-217
Well Status:	Active	Well Type:	OG
Operator Name:	California Resources Long Beach, Inc.		
Lease Name:	Lease by California Resources Long Beach, Inc.		
Field Name:	Wilmington	Area Name:	Fault Block VI
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

N133
SSW
1/2 - 1 Mile

OIL_GAS CAOG13000226574

API #:	0403703511	Well #:	536-W
Well Status:	Plugged	Well Type:	Multi
Operator Name:	Tidelands Oil Production Co.		
Lease Name:	Lease by Tidelands Oil Production Co.		
Field Name:	Old Wilmington (ABD)	Area Name:	Fault Block V Onshore
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

L134
SSW
1/2 - 1 Mile

OIL_GAS CAOG13000227521

API #:	0403703917	Well #:	S-216
Well Status:	Plugged	Well Type:	OG
Operator Name:	California Resources Long Beach, Inc.		
Lease Name:	Lease by California Resources Long Beach, Inc.		
Field Name:	Wilmington	Area Name:	Fault Block VI
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

L135
SSW
1/2 - 1 Mile

OIL_GAS CAOG13000227520

API #:	0403703916	Well #:	S-215
Well Status:	Active	Well Type:	OG
Operator Name:	California Resources Long Beach, Inc.		
Lease Name:	Lease by California Resources Long Beach, Inc.		
Field Name:	Wilmington	Area Name:	Fault Block VI
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

L136
SSW
1/2 - 1 Mile

OIL_GAS CAOG13000227519

API #:	0403703915	Well #:	S-214
Well Status:	Idle	Well Type:	OG
Operator Name:	California Resources Long Beach, Inc.		
Lease Name:	Lease by California Resources Long Beach, Inc.		
Field Name:	Wilmington	Area Name:	Fault Block VI
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

O137
WSW
1/2 - 1 Mile

OIL_GAS CAOG13000227483

API #:	0403703620	Well #:	M703E
Well Status:	Plugged	Well Type:	OG
Operator Name:	Tidelands Oil Production Co.		
Lease Name:	Lease by Tidelands Oil Production Co.		
Field Name:	Wilmington	Area Name:	Fault Block V
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

L138
SSW
1/2 - 1 Mile

OIL_GAS CAOG13000227518

API #:	0403703914	Well #:	S-213
Well Status:	Plugged	Well Type:	OG
Operator Name:	California Resources Long Beach, Inc.		
Lease Name:	Lease by California Resources Long Beach, Inc.		
Field Name:	Wilmington	Area Name:	Fault Block VI
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

L139
SSW
1/2 - 1 Mile

OIL_GAS CAOG13000227517

API #:	0403703913	Well #:	S-212
Well Status:	Active	Well Type:	OG
Operator Name:	California Resources Long Beach, Inc.		
Lease Name:	Lease by California Resources Long Beach, Inc.		
Field Name:	Wilmington	Area Name:	Fault Block VI
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

M140
WSW
1/2 - 1 Mile

OIL_GAS CAOG13000228530

API #:	0403703533	Well #:	M515E
Well Status:	Plugged	Well Type:	OG
Operator Name:	Tidelands Oil Production Co.		
Lease Name:	Lease by Tidelands Oil Production Co.		
Field Name:	Wilmington	Area Name:	Fault Block V
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

P141
SW
1/2 - 1 Mile

OIL_GAS CAOG13000226588

API #:	0403703536	Well #:	M519E
Well Status:	Plugged	Well Type:	OG
Operator Name:	Mobil Oil Corporation	Lease Name:	Lease by Mobil Oil Corporation
Field Name:	Old Wilmington (ABD)	Area Name:	Any Block
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

Q142
SSW
1/2 - 1 Mile

OIL_GAS CAOG13000228827

API #:	0403702272	Well #:	SC-18
Well Status:	Active	Well Type:	INJ
Operator Name:	California Resources Long Beach, Inc.		
Lease Name:	Lease by California Resources Long Beach, Inc.		
Field Name:	Wilmington	Area Name:	Fault Block V
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

O143
WSW
1/2 - 1 Mile

OIL_GAS CAOG13000227422

API #:	0403703721	Well #:	M831D
Well Status:	Plugged	Well Type:	OG
Operator Name:	Tidelands Oil Production Co.		
Lease Name:	Lease by Tidelands Oil Production Co.		
Field Name:	Wilmington	Area Name:	Fault Block IV
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

Q144
SSW
1/2 - 1 Mile

OIL_GAS CAOG13000228828

API #:	0403702273	Well #:	SC-19
Well Status:	Active	Well Type:	OG
Operator Name:	California Resources Long Beach, Inc.		
Lease Name:	Lease by California Resources Long Beach, Inc.		
Field Name:	Wilmington	Area Name:	Fault Block V
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

Q145
SSW
1/2 - 1 Mile

OIL_GAS CAOG13000228830

API #:	0403702275	Well #:	SC-21
Well Status:	Plugged	Well Type:	INJ
Operator Name:	California Resources Long Beach, Inc.		
Lease Name:	Lease by California Resources Long Beach, Inc.		
Field Name:	Wilmington	Area Name:	Fault Block V
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	Y	SPUD Date:	Not Reported

Q146
SSW
1/2 - 1 Mile

OIL_GAS CAOG13000227446

API #:	0403703695	Well #:	SC-23
Well Status:	Idle	Well Type:	OG
Operator Name:	California Resources Long Beach, Inc.		
Lease Name:	Lease by California Resources Long Beach, Inc.		
Field Name:	Wilmington	Area Name:	Fault Block V
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

R147
SSW
1/2 - 1 Mile

OIL_GAS CAOG13000228541

API #:	0403703510	Well #:	M483E
Well Status:	Plugged	Well Type:	OG
Operator Name:	Tidelands Oil Production Co.		
Lease Name:	Lease by Tidelands Oil Production Co.		
Field Name:	Wilmington	Area Name:	Fault Block V
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

R148
SSW
1/2 - 1 Mile

OIL_GAS CAOG13000228532

API #:	0403703513	Well #:	M489E
Well Status:	Plugged	Well Type:	OG
Operator Name:	Tidelands Oil Production Co.		
Lease Name:	Lease by Tidelands Oil Production Co.		
Field Name:	Wilmington	Area Name:	Fault Block V
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

Q149
SSW
1/2 - 1 Mile

OIL_GAS CAOG13000227506

API #:	0403703902	Well #:	S-201
Well Status:	Active	Well Type:	OG
Operator Name:	California Resources Long Beach, Inc.		
Lease Name:	Lease by California Resources Long Beach, Inc.		
Field Name:	Wilmington	Area Name:	Fault Block V
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

150
NNE
1/2 - 1 Mile

OIL_GAS CAOG13000005611

API #:	0403705659	Well #:	1
Well Status:	Idle	Well Type:	OG
Operator Name:	Miller & Haley	Lease Name:	Lease by Miller & Haley
Field Name:	Any Field	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

R151
SSW
1/2 - 1 Mile

OIL_GAS CAOG13000228753

API #:	0403703220	Well #:	524-W
Well Status:	Active	Well Type:	Multi
Operator Name:	Tidelands Oil Production Co.		
Lease Name:	Lease by Tidelands Oil Production Co.		
Field Name:	Wilmington	Area Name:	Fault Block V
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

Q152
SSW
1/2 - 1 Mile

OIL_GAS CAOG13000227507

API #:	0403703903	Well #:	S-202
Well Status:	Idle	Well Type:	OG
Operator Name:	California Resources Long Beach, Inc.		
Lease Name:	Lease by California Resources Long Beach, Inc.		
Field Name:	Wilmington	Area Name:	Fault Block V
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

O153
WSW
1/2 - 1 Mile

OIL_GAS CAOG13000227423

API #:	0403703722	Well #:	M832D
Well Status:	Plugged	Well Type:	OG
Operator Name:	Mobil Oil Corporation	Lease Name:	Lease by Mobil Oil Corporation
Field Name:	Wilmington	Area Name:	Fault Block IV
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

S154
SSW
1/2 - 1 Mile

OIL_GAS CAOG13000228547

API #:	0403703507	Well #:	M479E
Well Status:	Plugged	Well Type:	OG
Operator Name:	Mobil Oil Corporation	Lease Name:	Lease by Mobil Oil Corporation
Field Name:	Wilmington	Area Name:	Fault Block V
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

Q155
SSW
1/2 - 1 Mile

OIL_GAS CAOG13000227508

API #:	0403703904	Well #:	S-203
Well Status:	Active	Well Type:	INJ
Operator Name:	California Resources Long Beach, Inc.		
Lease Name:	Lease by California Resources Long Beach, Inc.		
Field Name:	Wilmington	Area Name:	Fault Block V
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	Y	SPUD Date:	Not Reported

Q156
SSW
1/2 - 1 Mile

OIL_GAS CAOG13000227509

API #:	0403703905	Well #:	S-204
Well Status:	Plugged	Well Type:	INJ
Operator Name:	California Resources Long Beach, Inc.		
Lease Name:	Lease by California Resources Long Beach, Inc.		
Field Name:	Wilmington	Area Name:	Fault Block V
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	Y	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

Q157
SSW
1/2 - 1 Mile

OIL_GAS CAOG13000227510

API #:	0403703906	Well #:	S-205
Well Status:	Plugged	Well Type:	INJ
Operator Name:	California Resources Long Beach, Inc.		
Lease Name:	Lease by California Resources Long Beach, Inc.		
Field Name:	Wilmington	Area Name:	Fault Block VI
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

Q158
SSW
1/2 - 1 Mile

OIL_GAS CAOG13000227511

API #:	0403703907	Well #:	S-206
Well Status:	Plugged	Well Type:	INJ
Operator Name:	California Resources Long Beach, Inc.		
Lease Name:	Lease by California Resources Long Beach, Inc.		
Field Name:	Wilmington	Area Name:	Fault Block VI
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

Q159
SSW
1/2 - 1 Mile

OIL_GAS CAOG13000230790

API #:	0403720572	Well #:	S-232
Well Status:	Plugged	Well Type:	Multi
Operator Name:	California Resources Long Beach, Inc.		
Lease Name:	Lease by California Resources Long Beach, Inc.		
Field Name:	Wilmington	Area Name:	Fault Block VI
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

Q160
SSW
1/2 - 1 Mile

OIL_GAS CAOG13000227512

API #:	0403703908	Well #:	S-207
Well Status:	Active	Well Type:	INJ
Operator Name:	California Resources Long Beach, Inc.		
Lease Name:	Lease by California Resources Long Beach, Inc.		
Field Name:	Wilmington	Area Name:	Fault Block VI
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	Y	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

Q161
SSW
1/2 - 1 Mile

OIL_GAS CAOG13000227513

API #:	0403703909	Well #:	S-208
Well Status:	Plugged	Well Type:	INJ
Operator Name:	California Resources Long Beach, Inc.		
Lease Name:	Lease by California Resources Long Beach, Inc.		
Field Name:	Wilmington	Area Name:	Fault Block VI
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

Q162
SSW
1/2 - 1 Mile

OIL_GAS CAOG13000227514

API #:	0403703910	Well #:	S-209
Well Status:	Active	Well Type:	INJ
Operator Name:	California Resources Long Beach, Inc.		
Lease Name:	Lease by California Resources Long Beach, Inc.		
Field Name:	Wilmington	Area Name:	Fault Block VI
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

Q163
SSW
1/2 - 1 Mile

OIL_GAS CAOG13000227515

API #:	0403703911	Well #:	S-210
Well Status:	Active	Well Type:	OG
Operator Name:	California Resources Long Beach, Inc.		
Lease Name:	Lease by California Resources Long Beach, Inc.		
Field Name:	Wilmington	Area Name:	Fault Block VI
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

T164
WSW
1/2 - 1 Mile

OIL_GAS CAOG13000228539

API #:	0403703520	Well #:	75-W
Well Status:	Active	Well Type:	Multi
Operator Name:	Tidelands Oil Production Co.		
Lease Name:	Lease by Tidelands Oil Production Co.		
Field Name:	Wilmington	Area Name:	Fault Block IV
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

U165
WSW
1/2 - 1 Mile

OIL_GAS CAOG13000227421

API #:	0403703720	Well #:	M830D
Well Status:	Plugged	Well Type:	OG
Operator Name:	Tidelands Oil Production Co.		
Lease Name:	Lease by Tidelands Oil Production Co.		
Field Name:	Wilmington	Area Name:	Fault Block IV
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

S166
SSW
1/2 - 1 Mile

OIL_GAS CAOG13000228548

API #:	0403703508	Well #:	M480E
Well Status:	Idle	Well Type:	OG
Operator Name:	Tidelands Oil Production Co.		
Lease Name:	Lease by Tidelands Oil Production Co.		
Field Name:	Wilmington	Area Name:	Fault Block V
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

167
SW
1/2 - 1 Mile

OIL_GAS CAOG13000229404

API #:	0403721335	Well #:	1
Well Status:	Plugged	Well Type:	INJ
Operator Name:	Atlantic Richfield Company		
Lease Name:	Lease by Atlantic Richfield Company		
Field Name:	Wilmington	Area Name:	Any Block
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

V168
SW
1/2 - 1 Mile

OIL_GAS CAOG13000226846

API #:	0403704612	Well #:	M478E
Well Status:	Plugged	Well Type:	OG
Operator Name:	Mobil Oil Corporation	Lease Name:	Lease by Mobil Oil Corporation
Field Name:	Old Wilmington (ABD)	Area Name:	Any Block
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

Q169
SSW
1/2 - 1 Mile

OIL_GAS CAOG13000227322

API #: 0403703657
Well Status: Plugged
Operator Name: D. J. Pickrell & E. W. Meyer
Lease Name: San Carlos
Area Name: Any Block
Confidential Well: N
SPUD Date: Not Reported

Well #: 1
Well Type: OG
Field Name: Old Wilmington (ABD)
GIS Source: Operator
Directionally Drilled: N

W170
West
1/2 - 1 Mile

OIL_GAS CAOG13000227749

API #: 0403704003
Well Status: Plugged
Operator Name: R & R Entertainment, Inc.
Field Name: Wilmington
GIS Source: GPS
Directionally Drilled: N

Well #: 1
Well Type: OG
Lease Name: Lease by R & R Entertainment, Inc.
Area Name: Fault Block IV
Confidential Well: N
SPUD Date: Not Reported

P171
SW
1/2 - 1 Mile

OIL_GAS CAOG13000226587

API #: 0403703535
Well Status: Plugged
Operator Name: Mobil Oil Corporation
Field Name: Old Wilmington (ABD)
GIS Source: Operator
Directionally Drilled: N

Well #: M518E
Well Type: OG
Lease Name: Lease by Mobil Oil Corporation
Area Name: Any Block
Confidential Well: N
SPUD Date: Not Reported

T172
WSW
1/2 - 1 Mile

OIL_GAS CAOG13000227420

API #: 0403703719
Well Status: Plugged
Operator Name: Tidelands Oil Production Co.
Lease Name: Lease by Tidelands Oil Production Co.
Field Name: Wilmington
GIS Source: Operator
Directionally Drilled: N

Well #: M829D
Well Type: OG
Area Name: Fault Block IV
Confidential Well: N
SPUD Date: Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

T173
WSW
1/2 - 1 Mile

OIL_GAS CAOG13000228540

API #:	0403703521	Well #:	71-W
Well Status:	Plugged	Well Type:	INJ
Operator Name:	Exxon Mobil Corporation	Lease Name:	Lease by Exxon Mobil Corporation
Field Name:	Wilmington	Area Name:	Fault Block IV
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

R174
SSW
1/2 - 1 Mile

OIL_GAS CAOG13000226284

API #:	0403702271	Well #:	SC-17
Well Status:	Plugged	Well Type:	Multi
Operator Name:	California Resources Long Beach, Inc.		
Lease Name:	Lease by California Resources Long Beach, Inc.		
Field Name:	Old Wilmington (ABD)	Area Name:	Fault Block V Onshore
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	Y	SPUD Date:	Not Reported

V175
SW
1/2 - 1 Mile

OIL_GAS CAOG13000228756

API #:	0403703223	Well #:	533-W
Well Status:	Plugged	Well Type:	INJ
Operator Name:	Mobil Oil Corporation	Lease Name:	Lease by Mobil Oil Corporation
Field Name:	Wilmington	Area Name:	Fault Block V
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

T176
WSW
1/2 - 1 Mile

OIL_GAS CAOG13000226585

API #:	0403703532	Well #:	M514E
Well Status:	Plugged	Well Type:	OG
Operator Name:	Mobil Oil Corporation	Lease Name:	Lease by Mobil Oil Corporation
Field Name:	Old Wilmington (ABD)	Area Name:	Any Block
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

R177
SSW
1/2 - 1 Mile

OIL_GAS CAOG13000226573

API #:	0403703509	Well #:	M481E
Well Status:	Plugged	Well Type:	OG
Operator Name:	Mobil Oil Corporation	Lease Name:	Lease by Mobil Oil Corporation
Field Name:	Old Wilmington (ABD)	Area Name:	Any Block
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

V178
SW
1/2 - 1 Mile

OIL_GAS CAOG13000228538

API #:	0403703519	Well #:	M495E
Well Status:	Plugged	Well Type:	OG
Operator Name:	Tidelands Oil Production Co.		
Lease Name:	Lease by Tidelands Oil Production Co.		
Field Name:	Wilmington	Area Name:	Fault Block V
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

U179
West
1/2 - 1 Mile

OIL_GAS CAOG13000227417

API #:	0403703716	Well #:	70-W
Well Status:	Plugged	Well Type:	INJ
Operator Name:	Tidelands Oil Production Co.		
Lease Name:	Lease by Tidelands Oil Production Co.		
Field Name:	Wilmington	Area Name:	Fault Block IV
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

X180
SW
1/2 - 1 Mile

OIL_GAS CAOG13000226586

API #:	0403703534	Well #:	M517E
Well Status:	Plugged	Well Type:	OG
Operator Name:	Mobil Oil Corporation	Lease Name:	Lease by Mobil Oil Corporation
Field Name:	Old Wilmington (ABD)	Area Name:	Any Block
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

V181
SW
1/2 - 1 Mile

OIL_GAS CAOG13000228546

API #:	0403703506	Well #:	535-W
Well Status:	Plugged	Well Type:	INJ
Operator Name:	Tidelands Oil Production Co.		
Lease Name:	Lease by Tidelands Oil Production Co.		
Field Name:	Wilmington	Area Name:	Fault Block V
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

X182
WSW
1/2 - 1 Mile

OIL_GAS CAOG13000228526

API #:	0403703543	Well #:	M527ER
Well Status:	Plugged	Well Type:	OG
Operator Name:	Tidelands Oil Production Co.		
Lease Name:	Lease by Tidelands Oil Production Co.		
Field Name:	Wilmington	Area Name:	Fault Block V
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

U183
WSW
1/2 - 1 Mile

OIL_GAS CAOG13000227418

API #:	0403703717	Well #:	M827D
Well Status:	Plugged	Well Type:	OG
Operator Name:	Tidelands Oil Production Co.		
Lease Name:	Lease by Tidelands Oil Production Co.		
Field Name:	Wilmington	Area Name:	Fault Block IV
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

Y184
WSW
1/2 - 1 Mile

OIL_GAS CAOG13000226584

API #:	0403703531	Well #:	M513E
Well Status:	Plugged	Well Type:	OG
Operator Name:	Mobil Oil Corporation	Lease Name:	Lease by Mobil Oil Corporation
Field Name:	Old Wilmington (ABD)	Area Name:	Any Block
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

X185
WSW
1/2 - 1 Mile

OIL_GAS CAOG13000228525

API #:	0403703542	Well #:	M526E
Well Status:	Active	Well Type:	OG
Operator Name:	Tidelands Oil Production Co.		
Lease Name:	Lease by Tidelands Oil Production Co.		
Field Name:	Wilmington	Area Name:	Fault Block V
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

X186
WSW
1/2 - 1 Mile

OIL_GAS CAOG13000228524

API #:	0403703541	Well #:	M525E
Well Status:	Active	Well Type:	OG
Operator Name:	Tidelands Oil Production Co.		
Lease Name:	Lease by Tidelands Oil Production Co.		
Field Name:	Wilmington	Area Name:	Fault Block V
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

T187
WSW
1/2 - 1 Mile

OIL_GAS CAOG13000228529

API #:	0403703546	Well #:	6-W
Well Status:	Plugged	Well Type:	INJ
Operator Name:	Tidelands Oil Production Co.		
Lease Name:	Lease by Tidelands Oil Production Co.		
Field Name:	Wilmington	Area Name:	Fault Block IV
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

X188
WSW
1/2 - 1 Mile

OIL_GAS CAOG13000228754

API #:	0403703221	Well #:	531-W
Well Status:	Idle	Well Type:	Multi
Operator Name:	Tidelands Oil Production Co.		
Lease Name:	Lease by Tidelands Oil Production Co.		
Field Name:	Wilmington	Area Name:	Fault Block V
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	Y	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

X189
WSW
1/2 - 1 Mile

OIL_GAS CAOG13000228755

API #:	0403703222	Well #:	532-W
Well Status:	Plugged	Well Type:	INJ
Operator Name:	Mobil Oil Corporation	Lease Name:	Lease by Mobil Oil Corporation
Field Name:	Wilmington	Area Name:	Fault Block V
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

W190
West
1/2 - 1 Mile

OIL_GAS CAOG13000228441

API #:	0403701488	Well #:	425-9
Well Status:	Idle	Well Type:	OG
Operator Name:	Warren E&P, Inc.	Lease Name:	NWU
Field Name:	Wilmington	Area Name:	Fault Block IV
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

V191
SW
1/2 - 1 Mile

OIL_GAS CAOG13000228545

API #:	0403703505	Well #:	M475E
Well Status:	Plugged	Well Type:	OG
Operator Name:	Tidelands Oil Production Co.		
Lease Name:	Lease by Tidelands Oil Production Co.		
Field Name:	Wilmington	Area Name:	Fault Block V
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

Z192
South
1/2 - 1 Mile

OIL_GAS CAOG13000228903

API #:	0403726680	Well #:	SC-32
Well Status:	Active	Well Type:	OG
Operator Name:	California Resources Long Beach, Inc.		
Lease Name:	Lease by California Resources Long Beach, Inc.		
Field Name:	Wilmington	Area Name:	Fault Block VI
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

193
SSW
1/2 - 1 Mile

OIL_GAS CAOG13000226636

API #:	0403701456	Well #:	4
Well Status:	Plugged	Well Type:	OG
Operator Name:	F. E. Fairfield	Lease Name:	Channel 3 Community
Field Name:	Old Wilmington (ABD)	Area Name:	Any Block
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

Z194
South
1/2 - 1 Mile

OIL_GAS CAOG13000228904

API #:	0403726682	Well #:	S-235
Well Status:	Active	Well Type:	OG
Operator Name:	California Resources Long Beach, Inc.		
Lease Name:	Lease by California Resources Long Beach, Inc.		
Field Name:	Wilmington	Area Name:	Fault Block V
GIS Source:	Unknown	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

Z195
SSW
1/2 - 1 Mile

OIL_GAS CAOG13000228810

API #:	0403702270	Well #:	SC-16
Well Status:	Plugged	Well Type:	INJ
Operator Name:	California Resources Long Beach, Inc.		
Lease Name:	Lease by California Resources Long Beach, Inc.		
Field Name:	Wilmington	Area Name:	Fault Block V
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	Y	SPUD Date:	Not Reported

AA196
WSW
1/2 - 1 Mile

OIL_GAS CAOG13000227419

API #:	0403703718	Well #:	M828D
Well Status:	Plugged	Well Type:	OG
Operator Name:	Tidelands Oil Production Co.		
Lease Name:	Lease by Tidelands Oil Production Co.		
Field Name:	Wilmington	Area Name:	Fault Block IV
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

X197
SW
1/2 - 1 Mile

OIL_GAS CAOG13000226582

API #:	0403703529	Well #:	M511E
Well Status:	Plugged	Well Type:	OG
Operator Name:	Mobil Oil Corporation	Lease Name:	Lease by Mobil Oil Corporation
Field Name:	Old Wilmington (ABD)	Area Name:	Any Block
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

Y198
WSW
1/2 - 1 Mile

OIL_GAS CAOG13000226575

API #:	0403703522	Well #:	M502D
Well Status:	Plugged	Well Type:	OG
Operator Name:	Tidelands Oil Production Co.		
Lease Name:	Lease by Tidelands Oil Production Co.		
Field Name:	Old Wilmington (ABD)	Area Name:	Fault Block IV Onshore
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

199
WSW
1/2 - 1 Mile

OIL_GAS CAOG13000228517

API #:	0403703549	Well #:	10-W
Well Status:	Active	Well Type:	Multi
Operator Name:	Tidelands Oil Production Co.		
Lease Name:	Lease by Tidelands Oil Production Co.		
Field Name:	Wilmington	Area Name:	Fault Block IV
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	04/25/1938

200
West
1/2 - 1 Mile

OIL_GAS CAOG13000227416

API #:	0403703715	Well #:	M823D
Well Status:	Plugged	Well Type:	OG
Operator Name:	Tidelands Oil Production Co.		
Lease Name:	Lease by Tidelands Oil Production Co.		
Field Name:	Wilmington	Area Name:	Fault Block IV
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

Y201
WSW
1/2 - 1 Mile

OIL_GAS CAOG13000226583

API #:	0403703530	Well #:	M512E
Well Status:	Plugged	Well Type:	OG
Operator Name:	Mobil Oil Corporation	Lease Name:	Lease by Mobil Oil Corporation
Field Name:	Old Wilmington (ABD)	Area Name:	Any Block
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AA202
West
1/2 - 1 Mile

OIL_GAS CAOG13000227415

API #:	0403703714	Well #:	M822D
Well Status:	Plugged	Well Type:	OG
Operator Name:	Tidelands Oil Production Co.		
Lease Name:	Lease by Tidelands Oil Production Co.		
Field Name:	Wilmington	Area Name:	Fault Block IV
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

Y203
WSW
1/2 - 1 Mile

OIL_GAS CAOG13000226847

API #:	0403704613	Well #:	M527E
Well Status:	Plugged	Well Type:	OG
Operator Name:	Mobil Oil Corporation	Lease Name:	Lease by Mobil Oil Corporation
Field Name:	Old Wilmington (ABD)	Area Name:	Fault Block V Onshore
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

Z204
South
1/2 - 1 Mile

OIL_GAS CAOG13000227645

API #:	0403703971	Well #:	S-143
Well Status:	Idle	Well Type:	INJ
Operator Name:	California Resources Long Beach, Inc.		
Lease Name:	Lease by California Resources Long Beach, Inc.		
Field Name:	Wilmington	Area Name:	Fault Block VI
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	Y	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

Z205
South
1/2 - 1 Mile

OIL_GAS CAOG13000227536

API #:	0403703932	Well #:	S-101
Well Status:	Active	Well Type:	INJ
Operator Name:	California Resources Long Beach, Inc.		
Lease Name:	Lease by California Resources Long Beach, Inc.		
Field Name:	Wilmington	Area Name:	Fault Block VI
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

Z206
South
1/2 - 1 Mile

OIL_GAS CAOG13000227537

API #:	0403703933	Well #:	S-102
Well Status:	Active	Well Type:	Multi
Operator Name:	California Resources Long Beach, Inc.		
Lease Name:	Lease by California Resources Long Beach, Inc.		
Field Name:	Wilmington	Area Name:	Fault Block V
GIS Source:	Well Summary	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	03/15/1946

AA207
WSW
1/2 - 1 Mile

OIL_GAS CAOG13000227351

API #:	0403703713	Well #:	M821D
Well Status:	Plugged	Well Type:	OG
Operator Name:	Mobil Oil Corporation	Lease Name:	Lease by Mobil Oil Corporation
Field Name:	Old Wilmington (ABD)	Area Name:	Fault Block IV Onshore
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AB208
WSW
1/2 - 1 Mile

OIL_GAS CAOG13000228528

API #:	0403703545	Well #:	M601D
Well Status:	Active	Well Type:	OG
Operator Name:	Tidelands Oil Production Co.		
Lease Name:	Lease by Tidelands Oil Production Co.		
Field Name:	Wilmington	Area Name:	Fault Block IV
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

Z209
South
1/2 - 1 Mile

OIL_GAS CAOG13000227538

API #:	0403703934	Well #:	S-103
Well Status:	Plugged	Well Type:	INJ
Operator Name:	California Resources Long Beach, Inc.		
Lease Name:	Lease by California Resources Long Beach, Inc.		
Field Name:	Wilmington	Area Name:	Fault Block VI
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

Z210
South
1/2 - 1 Mile

OIL_GAS CAOG13000229729

API #:	0403720297	Well #:	SB-15
Well Status:	Plugged	Well Type:	INJ
Operator Name:	California Resources Long Beach, Inc.		
Lease Name:	Lease by California Resources Long Beach, Inc.		
Field Name:	Wilmington	Area Name:	Fault Block V
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	Y	SPUD Date:	Not Reported

Z211
South
1/2 - 1 Mile

OIL_GAS CAOG13000227539

API #:	0403703935	Well #:	S-104
Well Status:	Plugged	Well Type:	INJ
Operator Name:	California Resources Long Beach, Inc.		
Lease Name:	Lease by California Resources Long Beach, Inc.		
Field Name:	Wilmington	Area Name:	Fault Block VI
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AC212
SW
1/2 - 1 Mile

OIL_GAS CAOG13000228551

API #:	0403703501	Well #:	M469D
Well Status:	Plugged	Well Type:	OG
Operator Name:	Mobil Oil Corporation	Lease Name:	Lease by Mobil Oil Corporation
Field Name:	Wilmington	Area Name:	Fault Block IV
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

Z213
South
1/2 - 1 Mile

OIL_GAS CAOG13000229756

API #:	0403720495	Well #:	SB-16
Well Status:	Active	Well Type:	OG
Operator Name:	California Resources Long Beach, Inc.		
Lease Name:	Lease by California Resources Long Beach, Inc.		
Field Name:	Wilmington	Area Name:	Fault Block V
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AD214
West
1/2 - 1 Mile

OIL_GAS CAOG13000228443

API #:	0403701490	Well #:	423-4
Well Status:	Plugged	Well Type:	OG
Operator Name:	Warren E&P, Inc.	Lease Name:	NWU
Field Name:	Wilmington	Area Name:	Fault Block IV
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AC215
SW
1/2 - 1 Mile

OIL_GAS CAOG13000225672

API #:	0403701296	Well #:	4
Well Status:	Plugged	Well Type:	OG
Operator Name:	Atlantic Richfield Company		
Lease Name:	P & G	Field Name:	Old Wilmington (ABD)
Area Name:	Fault Block II Offshore	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
SPUD Date:	Not Reported		

Z216
South
1/2 - 1 Mile

OIL_GAS CAOG13000227648

API #:	0403703937	Well #:	S-106
Well Status:	Idle	Well Type:	OG
Operator Name:	California Resources Long Beach, Inc.		
Lease Name:	Lease by California Resources Long Beach, Inc.		
Field Name:	Wilmington	Area Name:	Fault Block VI
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AE217
SW
1/2 - 1 Mile

OIL_GAS CAOG13000226576

API #:	0403703523	Well #:	M504D
Well Status:	Plugged	Well Type:	OG
Operator Name:	Mobil Oil Corporation	Lease Name:	Lease by Mobil Oil Corporation
Field Name:	Old Wilmington (ABD)	Area Name:	Fault Block IV Onshore
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AE218
SW
1/2 - 1 Mile

OIL_GAS CAOG13000226581

API #:	0403703528	Well #:	M510E
Well Status:	Plugged	Well Type:	OG
Operator Name:	Mobil Oil Corporation	Lease Name:	Lease by Mobil Oil Corporation
Field Name:	Old Wilmington (ABD)	Area Name:	Any Block
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

Z219
South
1/2 - 1 Mile

OIL_GAS CAOG13000227649

API #:	0403703938	Well #:	S-107
Well Status:	Plugged	Well Type:	OG
Operator Name:	California Resources Long Beach, Inc.		
Lease Name:	Lease by California Resources Long Beach, Inc.		
Field Name:	Wilmington	Area Name:	Fault Block VI
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

Z220
SSW
1/2 - 1 Mile

OIL_GAS CAOG13000227208

API #:	0403703936	Well #:	105
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	S-1-C
Field Name:	Old Wilmington (ABD)	Area Name:	Any Block
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

Z221
South
1/2 - 1 Mile

OIL_GAS CAOG13000227650

API #:	0403703939	Well #:	S-108
Well Status:	Plugged	Well Type:	INJ
Operator Name:	California Resources Long Beach, Inc.		
Lease Name:	Lease by California Resources Long Beach, Inc.		
Field Name:	Wilmington	Area Name:	Fault Block VI
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

Z222
South
1/2 - 1 Mile

OIL_GAS CAOG13000227651

API #:	0403703940	Well #:	S-109
Well Status:	Plugged	Well Type:	OG
Operator Name:	California Resources Long Beach, Inc.		
Lease Name:	Lease by California Resources Long Beach, Inc.		
Field Name:	Wilmington	Area Name:	Fault Block VI
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

Z223
South
1/2 - 1 Mile

OIL_GAS CAOG13000227652

API #:	0403703941	Well #:	S-110
Well Status:	Active	Well Type:	OG
Operator Name:	California Resources Long Beach, Inc.		
Lease Name:	Lease by California Resources Long Beach, Inc.		
Field Name:	Wilmington	Area Name:	Fault Block VI
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AF224
SSW
1/2 - 1 Mile

OIL_GAS CAOG13000228543

API #:	0403703503	Well #:	M473E
Well Status:	Plugged	Well Type:	OG
Operator Name:	Mobil Oil Corporation	Lease Name:	Lease by Mobil Oil Corporation
Field Name:	Wilmington	Area Name:	Fault Block V
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

Z225
South
1/2 - 1 Mile

OIL_GAS CAOG13000227653

API #:	0403703942	Well #:	S-111
Well Status:	Active	Well Type:	OG
Operator Name:	California Resources Long Beach, Inc.		
Lease Name:	Lease by California Resources Long Beach, Inc.		
Field Name:	Wilmington	Area Name:	Fault Block V
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AC226
SW
1/2 - 1 Mile

OIL_GAS CAOG13000226571

API #:	0403703502	Well #:	M470D
Well Status:	Plugged	Well Type:	OG
Operator Name:	Mobil Oil Corporation	Lease Name:	Lease by Mobil Oil Corporation
Field Name:	Old Wilmington (ABD)	Area Name:	Any Block
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

Z227
South
1/2 - 1 Mile

OIL_GAS CAOG13000227654

API #:	0403703943	Well #:	S-112
Well Status:	Plugged	Well Type:	INJ
Operator Name:	California Resources Long Beach, Inc.		
Lease Name:	Lease by California Resources Long Beach, Inc.		
Field Name:	Wilmington	Area Name:	Fault Block VI
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AC228
SW
1/2 - 1 Mile

OIL_GAS CAOG13000228559

API #:	0403703450	Well #:	M467E
Well Status:	Plugged	Well Type:	OG
Operator Name:	Mobil Oil Corporation	Lease Name:	Lease by Mobil Oil Corporation
Field Name:	Wilmington	Area Name:	Fault Block V
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AF229
SSW
1/2 - 1 Mile

OIL_GAS CAOG13000228544

API #:	0403703504	Well #:	M474E
Well Status:	Plugged	Well Type:	OG
Operator Name:	Tidelands Oil Production Co.		
Lease Name:	Lease by Tidelands Oil Production Co.		
Field Name:	Wilmington	Area Name:	Fault Block V
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AE230
WSW
1/2 - 1 Mile

OIL_GAS CAOG13000228518

API #:	0403703550	Well #:	M608D
Well Status:	Plugged	Well Type:	OG
Operator Name:	Tidelands Oil Production Co.		
Lease Name:	Lease by Tidelands Oil Production Co.		
Field Name:	Wilmington	Area Name:	Fault Block IV
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

Z231
South
1/2 - 1 Mile

OIL_GAS CAOG13000227655

API #:	0403703944	Well #:	S-113
Well Status:	Plugged	Well Type:	OG
Operator Name:	California Resources Long Beach, Inc.		
Lease Name:	Lease by California Resources Long Beach, Inc.		
Field Name:	Wilmington	Area Name:	Fault Block VI
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AD232
West
1/2 - 1 Mile

OIL_GAS CAOG13000228442

API #:	0403701489	Well #:	72-3
Well Status:	Active	Well Type:	OG
Operator Name:	Warren E&P, Inc.	Lease Name:	NWU
Field Name:	Wilmington	Area Name:	Fault Block IV
GIS Source:	Well Summary	Confidential Well:	N
Directionally Drilled:	Y	SPUD Date:	03/02/2018

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AG233
South
1/2 - 1 Mile

OIL_GAS CAOG13000227656

API #:	0403703945	Well #:	S-114
Well Status:	Idle	Well Type:	OG
Operator Name:	California Resources Long Beach, Inc.		
Lease Name:	Lease by California Resources Long Beach, Inc.		
Field Name:	Wilmington	Area Name:	Fault Block VI
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AH234
WSW
1/2 - 1 Mile

OIL_GAS CAOG13000227350

API #:	0403703712	Well #:	M820D
Well Status:	Plugged	Well Type:	OG
Operator Name:	Mobil Oil Corporation	Lease Name:	Lease by Mobil Oil Corporation
Field Name:	Old Wilmington (ABD)	Area Name:	Any Block
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AE235
WSW
1/2 - 1 Mile

OIL_GAS CAOG13000228771

API #:	0403703193	Well #:	53-W
Well Status:	Active	Well Type:	INJ
Operator Name:	Tidelands Oil Production Co.		
Lease Name:	Lease by Tidelands Oil Production Co.		
Field Name:	Wilmington	Area Name:	Fault Block IV
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AG236
South
1/2 - 1 Mile

OIL_GAS CAOG13000227385

API #:	0403700594	Well #:	S-115
Well Status:	Idle	Well Type:	OG
Operator Name:	California Resources Long Beach, Inc.		
Lease Name:	Lease by California Resources Long Beach, Inc.		
Field Name:	Wilmington	Area Name:	Fault Block VI
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AG237
South
1/2 - 1 Mile

OIL_GAS CAOG13000227210

API #:	0403703946	Well #:	S-116
Well Status:	Plugged	Well Type:	Multi
Operator Name:	California Resources Long Beach, Inc.		
Lease Name:	Lease by California Resources Long Beach, Inc.		
Field Name:	Old Wilmington (ABD)	Area Name:	Fault Block VI Onshore
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	Y	SPUD Date:	Not Reported

238
NW
1/2 - 1 Mile

OIL_GAS CAOG13000227326

API #:	0403703661	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Pioneer Petrol Corp.	Lease Name:	Lease by Pioneer Petrol Corp.
Field Name:	Old Wilmington (ABD)	Area Name:	Any Block
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AI239
SSW
1/2 - 1 Mile

OIL_GAS CAOG13000227329

API #:	0403703664	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	John A. Rothschild & Dorothy Rothschild		
Lease Name:	Lease by John A. Rothschild & Dorothy Rothschild		
Field Name:	Old Wilmington (ABD)	Area Name:	Any Block
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AG240
South
1/2 - 1 Mile

OIL_GAS CAOG13000227624

API #:	0403703947	Well #:	S-117
Well Status:	Active	Well Type:	OG
Operator Name:	California Resources Long Beach, Inc.		
Lease Name:	Lease by California Resources Long Beach, Inc.		
Field Name:	Wilmington	Area Name:	Fault Block VI
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AF241
SSW
1/2 - 1 Mile

OIL_GAS CAOG13000226363

API #:	0403702065	Well #:	3
Well Status:	Plugged	Well Type:	OG
Operator Name:	Kent Organizations, Inc.	Lease Name:	Graham
Field Name:	Old Wilmington (ABD)	Area Name:	Any Block
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AJ242
West
1/2 - 1 Mile

OIL_GAS CAOG13000228440

API #:	0403701487	Well #:	424-7
Well Status:	Plugged	Well Type:	OG
Operator Name:	Warren E&P, Inc.	Lease Name:	NWU
Field Name:	Wilmington	Area Name:	Fault Block IV
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AD243
West
1/2 - 1 Mile

OIL_GAS CAOG13000226830

API #:	0403704608	Well #:	8
Well Status:	Plugged	Well Type:	OG
Operator Name:	Petroleum Midway Co.	Lease Name:	Kupfer Community
Field Name:	Old Wilmington (ABD)	Area Name:	Any Block
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AG244
South
1/2 - 1 Mile

OIL_GAS CAOG13000230782

API #:	0403720734	Well #:	S-144
Well Status:	Active	Well Type:	OG
Operator Name:	California Resources Long Beach, Inc.		
Lease Name:	Lease by California Resources Long Beach, Inc.		
Field Name:	Wilmington	Area Name:	Fault Block V
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AB245
WSW
1/2 - 1 Mile

OIL_GAS CAOG13000228516

API #:	0403703548	Well #:	M606D
Well Status:	Idle	Well Type:	OG
Operator Name:	Tidelands Oil Production Co.		
Lease Name:	Lease by Tidelands Oil Production Co.		
Field Name:	Wilmington	Area Name:	Fault Block IV
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AD246
West
1/2 - 1 Mile

OIL_GAS CAOG13000227437

API #:	0403703709	Well #:	69-W
Well Status:	Plugged	Well Type:	INJ
Operator Name:	Mobil Oil Corporation	Lease Name:	Lease by Mobil Oil Corporation
Field Name:	Wilmington	Area Name:	Fault Block IV
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AF247
SSW
1/2 - 1 Mile

OIL_GAS CAOG13000227384

API #:	0403700593	Well #:	523-W
Well Status:	Active	Well Type:	Multi
Operator Name:	Tidelands Oil Production Co.		
Lease Name:	Lease by Tidelands Oil Production Co.		
Field Name:	Wilmington	Area Name:	Fault Block V
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	Y	SPUD Date:	Not Reported

AG248
SSW
1/2 - 1 Mile

OIL_GAS CAOG13000226295

API #:	0403702252	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Sound Petro. Inc.	Lease Name:	Harbor
Field Name:	Old Wilmington (ABD)	Area Name:	Any Block
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AG249
South
1/2 - 1 Mile

OIL_GAS CAOG13000228809

API #:	0403702269	Well #:	SB-14
Well Status:	Plugged	Well Type:	OG
Operator Name:	California Resources Long Beach, Inc.		
Lease Name:	Lease by California Resources Long Beach, Inc.		
Field Name:	Wilmington	Area Name:	Fault Block V
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AH250
West
1/2 - 1 Mile

OIL_GAS CAOG13000227349

API #:	0403703711	Well #:	M819D
Well Status:	Plugged	Well Type:	OG
Operator Name:	Mobil Oil Corporation	Lease Name:	Lease by Mobil Oil Corporation
Field Name:	Old Wilmington (ABD)	Area Name:	Any Block
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

251
SW
1/2 - 1 Mile

OIL_GAS CAOG13000226580

API #:	0403703527	Well #:	M509E
Well Status:	Plugged	Well Type:	OG
Operator Name:	Mobil Oil Corporation	Lease Name:	Lease by Mobil Oil Corporation
Field Name:	Old Wilmington (ABD)	Area Name:	Any Block
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AE252
SW
1/2 - 1 Mile

OIL_GAS CAOG13000226577

API #:	0403703524	Well #:	M505D
Well Status:	Plugged	Well Type:	OG
Operator Name:	Tidelands Oil Production Co.		
Lease Name:	Lease by Tidelands Oil Production Co.		
Field Name:	Old Wilmington (ABD)	Area Name:	Fault Block IV Onshore
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AG253
South
1/2 - 1 Mile

OIL_GAS CAOG13000227643

API #:	0403703969	Well #:	S-139
Well Status:	Idle	Well Type:	OG
Operator Name:	California Resources Long Beach, Inc.		
Lease Name:	Lease by California Resources Long Beach, Inc.		
Field Name:	Wilmington	Area Name:	Fault Block V
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AG254
South
1/2 - 1 Mile

OIL_GAS CAOG13000227642

API #:	0403703968	Well #:	S-138
Well Status:	Idle	Well Type:	OG
Operator Name:	California Resources Long Beach, Inc.		
Lease Name:	Lease by California Resources Long Beach, Inc.		
Field Name:	Wilmington	Area Name:	Fault Block V
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AG255
SSW
1/2 - 1 Mile

OIL_GAS CAOG13000227644

API #:	0403703970	Well #:	S-140
Well Status:	Plugged	Well Type:	INJ
Operator Name:	California Resources Long Beach, Inc.		
Lease Name:	Lease by California Resources Long Beach, Inc.		
Field Name:	Wilmington	Area Name:	Fault Block V
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	Y	SPUD Date:	Not Reported

AG256
South
1/2 - 1 Mile

OIL_GAS CAOG13000227641

API #:	0403703967	Well #:	S-137
Well Status:	Active	Well Type:	OG
Operator Name:	California Resources Long Beach, Inc.		
Lease Name:	Lease by California Resources Long Beach, Inc.		
Field Name:	Wilmington	Area Name:	Fault Block V
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AG257
South
1/2 - 1 Mile

OIL_GAS CAOG13000227640

API #:	0403703966	Well #:	S-136
Well Status:	Active	Well Type:	OG
Operator Name:	California Resources Long Beach, Inc.		
Lease Name:	Lease by California Resources Long Beach, Inc.		
Field Name:	Wilmington	Area Name:	Fault Block VI
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	Y	SPUD Date:	Not Reported

258
SSW
1/2 - 1 Mile

OIL_GAS CAOG13000226364

API #:	0403702066	Well #:	4
Well Status:	Plugged	Well Type:	OG
Operator Name:	Kent Organizations, Inc.	Lease Name:	Graham
Field Name:	Old Wilmington (ABD)	Area Name:	Any Block
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AG259
South
1/2 - 1 Mile

OIL_GAS CAOG13000228808

API #:	0403702268	Well #:	SB-13
Well Status:	Idle	Well Type:	OG
Operator Name:	California Resources Long Beach, Inc.		
Lease Name:	Lease by California Resources Long Beach, Inc.		
Field Name:	Wilmington	Area Name:	Fault Block V
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AI260
SSW
1/2 - 1 Mile

OIL_GAS CAOG13000226366

API #:	0403702068	Well #:	2
Well Status:	Plugged	Well Type:	OG
Operator Name:	City of Long Beach Dept. of Gas & Oil		
Lease Name:	L.B.H.D. Cerritos	Field Name:	Old Wilmington (ABD)
Area Name:	Any Block	GIS Source:	Operator
Confidential Well:	N	Directionally Drilled:	N
SPUD Date:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AG261
SSW
1/2 - 1 Mile

OIL_GAS CAOG13000226296

API #:	0403702253	Well #:	2
Well Status:	Plugged	Well Type:	OG
Operator Name:	Sound Petro. Inc.	Lease Name:	Harbor
Field Name:	Old Wilmington (ABD)	Area Name:	Any Block
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AG262
South
1/2 - 1 Mile

OIL_GAS CAOG13000227638

API #:	0403703964	Well #:	S-134
Well Status:	Idle	Well Type:	OG
Operator Name:	California Resources Long Beach, Inc.		
Lease Name:	Lease by California Resources Long Beach, Inc.		
Field Name:	Wilmington	Area Name:	Fault Block VI
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AG263
SSW
1/2 - 1 Mile

OIL_GAS CAOG13000227639

API #:	0403703965	Well #:	S-135
Well Status:	Plugged	Well Type:	OG
Operator Name:	California Resources Long Beach, Inc.		
Lease Name:	Lease by California Resources Long Beach, Inc.		
Field Name:	Wilmington	Area Name:	Fault Block VI
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AJ264
West
1/2 - 1 Mile

OIL_GAS CAOG13000229029

API #:	0403727010	Well #:	73-35
Well Status:	Active	Well Type:	OG
Operator Name:	Warren E&P, Inc.	Lease Name:	NWU
Field Name:	Wilmington	Area Name:	Fault Block III
GIS Source:	Well Summary	Confidential Well:	N
Directionally Drilled:	Y	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AG265
South
1/2 - 1 Mile

OIL_GAS CAOG13000227636

API #:	0403703962	Well #:	S-132
Well Status:	Plugged	Well Type:	OG
Operator Name:	California Resources Long Beach, Inc.		
Lease Name:	Lease by California Resources Long Beach, Inc.		
Field Name:	Wilmington	Area Name:	Fault Block VI
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	Y	SPUD Date:	Not Reported

AG266
South
1/2 - 1 Mile

OIL_GAS CAOG13000228549

API #:	0403703480	Well #:	M342E
Well Status:	Plugged	Well Type:	OG
Operator Name:	Mobil Oil Corporation	Lease Name:	Lease by Mobil Oil Corporation
Field Name:	Wilmington	Area Name:	Fault Block V
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AG267
South
1/2 - 1 Mile

OIL_GAS CAOG13000227634

API #:	0403703960	Well #:	S-130
Well Status:	Active	Well Type:	OG
Operator Name:	California Resources Long Beach, Inc.		
Lease Name:	Lease by California Resources Long Beach, Inc.		
Field Name:	Wilmington	Area Name:	Fault Block VI
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AG268
SSW
1/2 - 1 Mile

OIL_GAS CAOG13000227637

API #:	0403703963	Well #:	S-133
Well Status:	Plugged	Well Type:	OG
Operator Name:	California Resources Long Beach, Inc.		
Lease Name:	Lease by California Resources Long Beach, Inc.		
Field Name:	Wilmington	Area Name:	Fault Block VI
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AG269
South
1/2 - 1 Mile

OIL_GAS CAOG13000227633

API #:	0403703959	Well #:	S-129
Well Status:	Plugged	Well Type:	OG
Operator Name:	California Resources Long Beach, Inc.		
Lease Name:	Lease by California Resources Long Beach, Inc.		
Field Name:	Wilmington	Area Name:	Fault Block VI
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AK270
WSW
1/2 - 1 Mile

OIL_GAS CAOG13000227279

API #:	0403703582	Well #:	M619D
Well Status:	Plugged	Well Type:	OG
Operator Name:	Tidelands Oil Production Co.		
Lease Name:	Lease by Tidelands Oil Production Co.		
Field Name:	Old Wilmington (ABD)	Area Name:	Any Block
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AL271
WSW
1/2 - 1 Mile

OIL_GAS CAOG13000229674

API #:	0403722814	Well #:	167-W
Well Status:	Active	Well Type:	Multi
Operator Name:	Tidelands Oil Production Co.		
Lease Name:	Lease by Tidelands Oil Production Co.		
Field Name:	Wilmington	Area Name:	Fault Block IV
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	Y	SPUD Date:	Not Reported

AK272
WSW
1/2 - 1 Mile

OIL_GAS CAOG13000226424

API #:	0403703206	Well #:	101-W
Well Status:	Plugged	Well Type:	OG
Operator Name:	Mobil Oil Corporation	Lease Name:	Lease by Mobil Oil Corporation
Field Name:	Old Wilmington (ABD)	Area Name:	Any Block
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AK273
SW
1/2 - 1 Mile

OIL_GAS CAOG13000226578

API #:	0403703525	Well #:	M506D
Well Status:	Plugged	Well Type:	OG
Operator Name:	Tidelands Oil Production Co.		
Lease Name:	Lease by Tidelands Oil Production Co.		
Field Name:	Old Wilmington (ABD)	Area Name:	Fault Block IV Onshore
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AL274
WSW
1/2 - 1 Mile

OIL_GAS CAOG13000229174

API #:	0403722912	Well #:	M660D
Well Status:	Active	Well Type:	OG
Operator Name:	Tidelands Oil Production Co.		
Lease Name:	Lease by Tidelands Oil Production Co.		
Field Name:	Wilmington	Area Name:	Fault Block IV
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AH275
West
1/2 - 1 Mile

OIL_GAS CAOG13000227438

API #:	0403703710	Well #:	M818D
Well Status:	Plugged	Well Type:	OG
Operator Name:	Tidelands Oil Production Co.		
Lease Name:	Lease by Tidelands Oil Production Co.		
Field Name:	Wilmington	Area Name:	Fault Block IV
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AL276
WSW
1/2 - 1 Mile

OIL_GAS CAOG13000229211

API #:	0403723154	Well #:	M661D
Well Status:	Active	Well Type:	OG
Operator Name:	Tidelands Oil Production Co.		
Lease Name:	Lease by Tidelands Oil Production Co.		
Field Name:	Wilmington	Area Name:	Fault Block IV
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

277
West
1/2 - 1 Mile

OIL_GAS CAOG13000229782

API #:	0403705051	Well #:	74-1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Warren E&P, Inc.	Lease Name:	NWU
Field Name:	Wilmington	Area Name:	Fault Block IV
GIS Source:	Well Summary	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	09/30/1958

278
West
1/2 - 1 Mile

OIL_GAS CAOG13000226359

API #:	0403702061	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Inter-Counties Petro. Co.	Lease Name:	Edgar
Field Name:	Old Wilmington (ABD)	Area Name:	Any Block
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AM279
South
1/2 - 1 Mile

OIL_GAS CAOG13000228579

API #:	0403703415	Well #:	M272E
Well Status:	Plugged	Well Type:	OG
Operator Name:	Mobil Oil Corporation	Lease Name:	Lease by Mobil Oil Corporation
Field Name:	Wilmington	Area Name:	Fault Block V
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

AL280
WSW
1/2 - 1 Mile

OIL_GAS CAOG13000227273

API #:	0403703576	Well #:	M609D
Well Status:	Plugged	Well Type:	OG
Operator Name:	Mobil Oil Corporation	Lease Name:	Lease by Mobil Oil Corporation
Field Name:	Old Wilmington (ABD)	Area Name:	Fault Block IV Onshore
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AM281
South
1/2 - 1 Mile

OIL_GAS CAOG13000227746

API #:	0403703956	Well #:	S-126
Well Status:	Plugged	Well Type:	OG
Operator Name:	California Resources Long Beach, Inc.		
Lease Name:	Lease by California Resources Long Beach, Inc.		
Field Name:	Wilmington	Area Name:	Fault Block VI
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
90813	1	0

Federal EPA Radon Zone for LOS ANGELES County: 2

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for LOS ANGELES COUNTY, CA

Number of sites tested: 63

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.711 pCi/L	98%	2%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	0.933 pCi/L	100%	0%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory

Source: Department of Fish and Wildlife

Telephone: 916-445-0411

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Water Well Database

Source: Department of Water Resources

Telephone: 916-651-9648

California Drinking Water Quality Database

Source: Department of Public Health

Telephone: 916-324-2319

The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

OTHER STATE DATABASE INFORMATION

California Oil and Gas Well Locations

Source: Dept of Conservation, Geologic Energy Management Division

Telephone: 916-323-1779

Oil and Gas well locations in the state.

California Earthquake Fault Lines

Source: California Division of Mines and Geology

The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

RADON

State Database: CA Radon

Source: Department of Public Health

Telephone: 916-210-8558

Radon Database for California

Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRRA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

STREET AND ADDRESS INFORMATION

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LONG BEACH TESTING LAB CITY OF
1475 SAN FRANCISCO AVE
LONG BEACH, CA 90813

Inquiry Number:
May 12, 2020

EDR Site Report™



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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The EDR-Site Report™ is a comprehensive presentation of government filings on a facility identified in a search of federal, state and local environmental databases.

Section 1: Facility Detail Reports Page 3

All available detailed information from databases where sites are identified.

Section 2: Databases and Update Information. Page 7

Name, source, update dates, contact phone number and description of each of the databases for this report.

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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SECTION 1: FACILITY DETAIL REPORTS

LONG BEACH TESTING LAB CITY OF
1475 SAN FRANCISCO AVE
LONG BEACH, CA 90813
EDR ID #1000231634

Databases:

FINDS: Facility Index System/Facility Registry System
ECHO: Enforcement & Compliance History Information
RCRA-SQG: RCRA - Small Quantity Generators

FINDS:

Registry ID: 110002760502
Name: LONG BEACH TESTING LAB CITY OF
Address: 1475 SAN FRANCISCO AVE
City,State,Zip: LONG BEACH, CA 90813
Facility URL: http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_i=110002760502

Environmental Interest/Information System:

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Supplemental Address: Not reported
FIPS Code: 06037
Country Name: UNITED STATES
Federal Facility: Not reported
Federal Agency: Not reported
Tribal Land: Not reported
Tribal Name: Not reported
Congressional District: 37
Census: 060375754011001
Hydrologic Unit Code: 18070105
EPA Region: 09
Site Type: STATIONARY
Location Description: Not reported
Date Created: 01-MAR-2000 00:00:00
Date Updated: 06-AUG-2010 16:16:06
U.S-Mexico Border: Not reported
Information System Abbreviated Name: Not reported
Latitude: 33.78535
Longitude: -118.20316
Conveyor: FRS-GEOCODE
Horizontal Collection: ADDRESS MATCHING-HOUSE NUMBER
Horizontal Accuracy: 50
Reference Point: ENTRANCE POINT OF A FACILITY OR STATION
Horizontal Datum: NAD83
Coordinates Source: Not reported

Organization:

Registry ID: 110002760502
Program System Name: RCRAINFO
Program System ID: CAD981972201
Env. Interest Type: SQG
Contact Type: OWNER
Start Date: Not reported
End Date: Not reported
Organization Name: LONG BEACH TESTING LAB CITY OF
Organization Type: MUNICIPAL
Duns Number: Not reported
Division Name: Not reported
Phone Number: 415-555-1212
Alternate Phone Number: Not reported
Fax Number: Not reported
Email: Not reported
EIN: Not reported
State Business ID: Not reported
Parent Name: Not reported
Standard Parent Name: Not reported
Parent Duns Number: Not reported
Mailing Address: Not reported
Supplemental Address: Not reported
City: Not reported
State: Not reported
Zip: Not reported
Country: Not reported

Alternate Name:

Registry ID: 110002760502
Information System Abbreviated Name: RCRAINFO

SECTION 1: FACILITY DETAIL REPORTS

...Continued...

Program System ID:	CAD981972201
Alternative Name:	LONG BEACH TESTING LAB CITY OF
Alternative Name Type:	PROGRAM NAME
Contact:	
Registry ID:	110002760502
Program System Name:	RCRAINFO
Program System ID:	CAD981972201
Env. Interest Type:	SQG
Contact Type:	REGULATORY CONTACT
Start Date:	Not reported
End Date:	Not reported
Contact Name:	ENVIRONMENTAL MANAGER
Contact Title:	Not reported
Contact Telephone:	2134364784
Contact Alternate Telephone:	Not reported
Contact Fax:	Not reported
Contact Email:	Not reported
Mailing Address:	1475 SAN FRANCISCO AVE
Supplemental Address:	Not reported
Mailing City:	LONG BEACH
Mailing State Code:	CA
Mailing State:	CALIFORNIA
Mailing Zip:	90813
Mailing Country:	USA
Interest:	
Registry ID:	110002760502
Program System Name:	RCRAINFO
Program System ID:	CAD981972201
Env. Interest Type:	SQG
Federal ST Code:	FEDERAL
Start Date:	12-MAY-1987 00:00:00
Start Date Qualifier:	FIRST NOTIFICATION DATE
End Date:	Not reported
End Date Qualifier:	Not reported
Data Source:	RCRAINFO
Last Reported:	15-SEP-2000 00:00:00
Date Created:	15-MAY-2001 20:21:37
Date Updated:	09-MAY-2012 14:32:29
Active Status:	Y
Mailing Information:	
Registry ID:	110002760502
Program System Name:	RCRAINFO
Program System ID:	CAD981972201
Supplemental Interest:	SQG
Contact Type:	FACILITY MAILING ADDRESS
Start Date:	Not reported
End Date:	Not reported
Mailing Address:	1475 SAN FRANCISCO AVE
Supplemental Address:	Not reported
Contact City:	LONG BEACH
Contact State Code:	CA
Contact State:	CALIFORNIA
Contact Zip:	90813
Contact Country:	USA
Program:	
Legislative District Number:	Not reported
HUC Code 8:	Not reported
HUC Code 12:	Not reported
Data Quality Code:	V
Std Name:	LONG BCH TESTING LAB CITY OF
Std Location Address:	1475 SAN FRANCISCO AVE
Std House Number:	1475
Std Street Name:	SAN FRANCISCO AVE
Std Base Name:	SAN FRANCISCO
Std Prefix:	Not reported
Std Suffix:	Not reported
Std Stype Before:	Not reported
Std Stype After:	AVE
Std Postal Code:	90813
Std City Name:	LONG BEACH
Std County Name:	LOS ANGELES COUNTY
Std State Code:	CA
Std County FIPS:	06037
Std Country:	US
Std Full Address:	1475 SAN FRANCISCO AVE, LONG BEACH, CA 90813 US
Address Type:	Not reported
Link Method:	NAME ADDRESS
Location Description:	Not reported
User ID:	REFRESH

SECTION 1: FACILITY DETAIL REPORTS

...Continued...

Sensitive Ind: N
User Comment: Not reported
Public Ind: Y
Date Refresh: 06-AUG-2010 16:16:06
Small Bus Ind: Not reported
Env Justice Code: Not reported
Parent Program System ID: Not reported
Stand Alone Flag: Not reported

ECHO:
Envid: 1000231634
Registry ID: 110002760502
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110002760502>
Name: LONG BEACH TESTING LAB CITY OF
Address: 1475 SAN FRANCISCO AVE
City,State,Zip: LONG BEACH, CA 90813

RCRA-SQG:
Date form received by agency: 1987-05-12 00:00:00.0
Facility name: LONG BEACH TESTING LAB CITY OF
Facility address: 1475 SAN FRANCISCO AVE
LONG BEACH, CA 90813
EPA ID: CAD981972201
Mailing address: SAN FRANCISCO AVE
LONG BEACH, CA 90813
Contact: ENVIRONMENTAL MANAGER
Contact address: 1475 SAN FRANCISCO AVE
LONG BEACH, CA 90813
Contact country: US
Contact telephone: 213-436-4784
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Municipal
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: LONG BEACH CITY OF
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Municipal
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No

SECTION 1: FACILITY DETAIL REPORTS

...Continued...

Used oil transporter:	No
Violation Status:	No violations found

SECTION 2: DATABASES AND UPDATE DATES

To maintain currency of the following federal, state and local databases, EDR contacts the appropriate government agency on a monthly or quarterly basis as required.

Elapsed ASTM days: Provides confirmation that this report meets or exceeds the 90-day updating requirement of the ASTM standard.

DATABASES FOUND IN THIS REPORT

FINDS: Facility Index System/Facility Registry System

Source: EPA

Telephone: Not reported

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 11/22/2019
Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/03/2020
Date of Next Scheduled Update: 06/15/2020

ECHO: Enforcement & Compliance History Information

Source: Environmental Protection Agency

Telephone: 202-564-2280

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 01/05/2020
Database Release Frequency: Quarterly

Date of Last EDR Contact: 04/07/2020
Date of Next Scheduled Update: 07/20/2020

RCRA-SQG: RCRA - Small Quantity Generators

Source: Environmental Protection Agency

Telephone: 703-308-8895

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 12/16/2019
Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/25/2020
Date of Next Scheduled Update: 07/06/2020

AIR PROD AND CHEM INC

901 W 12TH ST

LONG BEACH, CA 90813

Inquiry Number:

May 12, 2020

EDR Site Report™



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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The EDR-Site Report™ is a comprehensive presentation of government filings on a facility identified in a search of federal, state and local environmental databases.

Section 1: Facility Detail Reports Page 3

All available detailed information from databases where sites are identified.

Section 2: Databases and Update Information. Page 14

Name, source, update dates, contact phone number and description of each of the databases for this report.

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SECTION 1: FACILITY DETAIL REPORTS

AIR PROD AND CHEM INC
901 W 12TH ST
LONG BEACH, CA 90813
EDR ID #1000985044

Databases:

FINDS: Facility Index System/Facility Registry System
ECHO: Enforcement & Compliance History Information
SEMS-ARCHIVE: Superfund Enterprise Management System Archive
RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

FINDS:

Registry ID: 110002905161
Name: AIR PROD AND CHEM INC
Address: 901 W 12TH ST
City,State,Zip: LONG BEACH, CA 90813
Facility URL: http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_i=110002905161

Environmental Interest/Information System:

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities. RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

STATE MASTER

Supplemental Address: Not reported
FIPS Code: 06037
Country Name: UNITED STATES
Federal Facility: Not reported
Federal Agency: Not reported
Tribal Land: Not reported
Tribal Name: Not reported
Congressional District: 37
Census: 060375758011004
Hydrologic Unit Code: 18070105
EPA Region: 09
Site Type: STATIONARY
Location Description: Not reported
Date Created: 01-MAR-2000 00:00:00
Date Updated: 15-OCT-2015 07:48:30
U.S-Mexico Border: Not reported
Information System Abbreviated Name: Not reported
Latitude: 33.78171
Longitude: -118.20348
Conveyor: FRS-GEOCODE
Horizontal Collection: ADDRESS MATCHING-HOUSE NUMBER
Horizontal Accuracy: 30
Reference Point: CENTER OF A FACILITY OR STATION
Horizontal Datum: NAD83
Coordinates Source: Not reported

Organization:

Registry ID: 110002905161
Program System Name: RCRAINFO
Program System ID: CAR000001537
Env. Interest Type: TRANSPORTER
Contact Type: OPERATOR
Start Date: Not reported
End Date: Not reported
Organization Name: KEITH J. LEINBACH
Organization Type: OTHER
Duns Number: Not reported
Division Name: Not reported
Phone Number: 610-481-4737
Alternate Phone Number: Not reported
Fax Number: Not reported
Email: Not reported
EIN: Not reported
State Business ID: Not reported
Parent Name: Not reported
Standard Parent Name: Not reported
Parent Duns Number: Not reported
Mailing Address: 98 INDUSTRIAL CT
Supplemental Address: Not reported
City: GALT
State: Not reported
Zip: 95632

SECTION 1: FACILITY DETAIL REPORTS

...Continued...

Country: USA
Registry ID: 110002905161
Program System Name: RCRAINFO
Program System ID: CAR000001537
Env. Interest Type: SQG
Contact Type: OWNER
Start Date: Not reported
End Date: Not reported
Organization Name: AIR PRODUCTS AND CHEMICALS INC
Organization Type: OTHER
Duns Number: Not reported
Division Name: Not reported
Phone Number: 610-481-4737
Alternate Phone Number: Not reported
Fax Number: Not reported
Email: Not reported
EIN: Not reported
State Business ID: Not reported
Parent Name: Not reported
Standard Parent Name: Not reported
Parent Duns Number: Not reported
Mailing Address: 7201 HAMILTON BLVD.
Supplemental Address: Not reported
City: ALLENTOWN
State: Not reported
Zip: 181951501
Country: UNITED STATES

Registry ID: 110002905161
Program System Name: RCRAINFO
Program System ID: CAR000001537
Env. Interest Type: TRANSPORTER
Contact Type: OWNER
Start Date: Not reported
End Date: Not reported
Organization Name: AIR PRODUCTS AND CHEMICALS INC
Organization Type: OTHER
Duns Number: Not reported
Division Name: Not reported
Phone Number: 610-481-4737
Alternate Phone Number: Not reported
Fax Number: Not reported
Email: Not reported
EIN: Not reported
State Business ID: Not reported
Parent Name: Not reported
Standard Parent Name: Not reported
Parent Duns Number: Not reported
Mailing Address: 7201 HAMILTON BLVD.
Supplemental Address: Not reported
City: ALLENTOWN
State: Not reported
Zip: 181951501
Country: UNITED STATES

Registry ID: 110002905161
Program System Name: RCRAINFO
Program System ID: CAR000001537
Env. Interest Type: SQG
Contact Type: OPERATOR
Start Date: Not reported
End Date: Not reported
Organization Name: KEITH J. LEINBACH
Organization Type: OTHER
Duns Number: Not reported
Division Name: Not reported
Phone Number: 610-481-4737
Alternate Phone Number: Not reported
Fax Number: Not reported
Email: Not reported
EIN: Not reported
State Business ID: Not reported
Parent Name: Not reported
Standard Parent Name: Not reported
Parent Duns Number: Not reported
Mailing Address: 98 INDUSTRIAL CT
Supplemental Address: Not reported
City: GALT
State: Not reported
Zip: 95632
Country: USA

Registry ID: 110002905161
Program System Name: CA-ENVIROVIEW

SECTION 1: FACILITY DETAIL REPORTS

...Continued...

Program System ID: 3619
Env. Interest Type: STATE MASTER
Contact Type: OWNER
Start Date: Not reported
End Date: Not reported
Organization Name: AIR PRODUCTS AND CHEMICALSNA INC.
Organization Type: UNKNOWN
Duns Number: Not reported
Division Name: Not reported
Phone Number: (610) 481-4911
Alternate Phone Number: Not reported
Fax Number: Not reported
Email: Not reported
EIN: Not reported
State Business ID: Not reported
Parent Name: Not reported
Standard Parent Name: Not reported
Parent Duns Number: Not reported
Mailing Address: 7201 HAMILTON BOULEVARD
Supplemental Address: Not reported
City: ALLENTOWN
State: Not reported
Zip: 18195
Country: UNITED STATES

Alternate Name:
Registry ID: 110002905161
Information System Abbreviated Name: CA-ENVIROVIEW
Program System ID: 3619
Alternative Name: AIR PRODUCTS AND CHEMICALSNA INC. - LONG BEACH
Alternative Name Type: PROGRAM NAME

Registry ID: 110002905161
Information System Abbreviated Name: HWTS-DATAMART
Program System ID: CAR000001537
Alternative Name: AIR PRODUCTS AND CHEMICALS INC
Alternative Name Type: PROGRAM NAME

Registry ID: 110002905161
Information System Abbreviated Name: CA-CERS
Program System ID: 10155427
Alternative Name: AIR PRODUCTS AND CHEMICALS, INC. - LONG BEACH
Alternative Name Type: PROGRAM NAME

Registry ID: 110002905161
Information System Abbreviated Name: RCRAINFO
Program System ID: CAR000001537
Alternative Name: AIR PROD AND CHEM INC
Alternative Name Type: PROGRAM NAME

Contact:
Registry ID: 110002905161
Program System Name: CA-CERS
Program System ID: 10155427
Env. Interest Type: STATE MASTER
Contact Type: ENVIRONMENTAL CONTACT
Start Date: Not reported
End Date: Not reported
Contact Name: JIM REEBEL
Contact Title: ENVIRONMENTAL CONTACT
Contact Telephone: 3108477300X13
Contact Alternate Telephone: Not reported
Contact Fax: Not reported
Contact Email: REEBELJC@AIRPRODUCTS.COM
Mailing Address: 901 WEST 12TH STREET
Supplemental Address: Not reported
Mailing City: LONG BEACH
Mailing State Code: CA
Mailing State: CALIFORNIA
Mailing Zip: 90802
Mailing Country: UNITED STATES

Registry ID: 110002905161
Program System Name: CA-CERS
Program System ID: 10155427
Env. Interest Type: STATE MASTER
Contact Type: UNKNOWN CONTACT
Start Date: Not reported
End Date: Not reported
Contact Name: GEOVANNI AGRAMONTE
Contact Title: SITE MANAGER
Contact Telephone: 5622544752
Contact Alternate Telephone: Not reported
Contact Fax: Not reported

SECTION 1: FACILITY DETAIL REPORTS

...Continued...

Contact Email: Not reported
Mailing Address: 7201 HAMILTON BOULEVARD
Supplemental Address: Not reported
Mailing City: ALLENTOWN
Mailing State Code: PA
Mailing State: Not reported
Mailing Zip: 18195
Mailing Country: USA

Registry ID: 110002905161
Program System Name: RCRAINFO
Program System ID: CAR000001537
Env. Interest Type: SQG
Contact Type: REGULATORY CONTACT
Start Date: Not reported
End Date: Not reported
Contact Name: SHELLEY STUART
Contact Title: Not reported
Contact Telephone: 3104370462
Contact Alternate Telephone: Not reported
Contact Fax: Not reported
Contact Email: Not reported
Mailing Address: 901 W 12TH ST
Supplemental Address: Not reported
Mailing City: LONG BEACH
Mailing State Code: CA
Mailing State: CALIFORNIA
Mailing Zip: 90813
Mailing Country: USA

Registry ID: 110002905161
Program System Name: CA-CERS
Program System ID: 10155427
Env. Interest Type: STATE MASTER
Contact Type: OPERATOR
Start Date: Not reported
End Date: Not reported
Contact Name: AIR PRODUCTS AND CHEMICALS, INC.
Contact Title: OPERATOR
Contact Telephone: 5624370462
Contact Alternate Telephone: Not reported
Contact Fax: Not reported
Contact Email: Not reported
Mailing Address: 901 WEST 12TH STREET
Supplemental Address: Not reported
Mailing City: LONG BEACH
Mailing State Code: CA
Mailing State: CALIFORNIA
Mailing Zip: 90813
Mailing Country: UNITED STATES

Registry ID: 110002905161
Program System Name: RCRAINFO
Program System ID: CAR000001537
Env. Interest Type: TRANSPORTER
Contact Type: REGULATORY CONTACT
Start Date: Not reported
End Date: Not reported
Contact Name: SHELLEY STUART
Contact Title: Not reported
Contact Telephone: 3104370462
Contact Alternate Telephone: Not reported
Contact Fax: Not reported
Contact Email: Not reported
Mailing Address: 901 W 12TH ST
Supplemental Address: Not reported
Mailing City: LONG BEACH
Mailing State Code: CA
Mailing State: CALIFORNIA
Mailing Zip: 90813
Mailing Country: USA

Registry ID: 110002905161
Program System Name: CA-CERS
Program System ID: 10155427
Env. Interest Type: STATE MASTER
Contact Type: OWNER
Start Date: Not reported
End Date: Not reported
Contact Name: AIR PRODUCTS AND CHEMICALS, INC.
Contact Title: OWNER
Contact Telephone: 6104814911
Contact Alternate Telephone: Not reported
Contact Fax: Not reported
Contact Email: Not reported

SECTION 1: FACILITY DETAIL REPORTS

...Continued...

Mailing Address: 7201 HAMILTON BOULEVARD
Supplemental Address: Not reported
Mailing City: ALLENTOWN
Mailing State Code: PA
Mailing State: Not reported
Mailing Zip: 18195
Mailing Country: USA

Registry ID: 110002905161
Program System Name: CA-CERS
Program System ID: 10155427
Env. Interest Type: STATE MASTER
Contact Type: UNKNOWN CONTACT
Start Date: Not reported
End Date: Not reported
Contact Name: JORGE TERAN
Contact Title: SITE SUPERVISOR
Contact Telephone: 8182376406
Contact Alternate Telephone: Not reported
Contact Fax: Not reported
Contact Email: Not reported
Mailing Address: 7201 HAMILTON BOULEVARD
Supplemental Address: Not reported
Mailing City: ALLENTOWN
Mailing State Code: PA
Mailing State: Not reported
Mailing Zip: 18195
Mailing Country: USA

Registry ID: 110002905161
Program System Name: CA-ENVIROVIEW
Program System ID: 3619
Env. Interest Type: STATE MASTER
Contact Type: ENVIRONMENTAL CONTACT
Start Date: Not reported
End Date: Not reported
Contact Name: JIM REEBEL
Contact Title: Not reported
Contact Telephone: (310) 847-7300
Contact Alternate Telephone: Not reported
Contact Fax: Not reported
Contact Email: Not reported
Mailing Address: 901 WEST 12TH STREET
Supplemental Address: Not reported
Mailing City: LONG BEACH
Mailing State Code: Not reported
Mailing State: Not reported
Mailing Zip: 90802
Mailing Country: Not reported

Interest:
Registry ID: 110002905161
Program System Name: HWTS-DATAMART
Program System ID: CAR000001537
Env. Interest Type: STATE MASTER
Federal ST Code: STATE
Start Date: Not reported
Start Date Qualifier: Not reported
End Date: Not reported
End Date Qualifier: Not reported
Data Source: HWTS-DATAMART
Last Reported: Not reported
Date Created: 18-NOV-2004 13:03:04
Date Updated: Not reported
Active Status: Not reported

Registry ID: 110002905161
Program System Name: CA-CERS
Program System ID: 10155427
Env. Interest Type: STATE MASTER
Federal ST Code: STATE
Start Date: Not reported
Start Date Qualifier: Not reported
End Date: Not reported
End Date Qualifier: Not reported
Data Source: CA-CERS
Last Reported: Not reported
Date Created: 15-SEP-2013 16:53:40
Date Updated: 25-FEB-2014 08:49:50
Active Status: Not reported

Registry ID: 110002905161
Program System Name: RCRAINFO
Program System ID: CAR000001537

SECTION 1: FACILITY DETAIL REPORTS

...Continued...

Env. Interest Type: SQG
Federal ST Code: FEDERAL
Start Date: 27-MAR-1995 00:00:00
Start Date Qualifier: FIRST NOTIFICATION DATE
End Date: Not reported
End Date Qualifier: Not reported
Data Source: RCRAINFO
Last Reported: 15-SEP-2000 00:00:00
Date Created: 16-MAY-2001 01:19:57
Date Updated: 09-MAY-2012 14:32:45
Active Status: Y

Registry ID: 110002905161
Program System Name: RCRAINFO
Program System ID: CAR000001537
Env. Interest Type: TRANSPORTER
Federal ST Code: FEDERAL
Start Date: 27-MAR-1995 00:00:00
Start Date Qualifier: FIRST NOTIFICATION DATE
End Date: Not reported
End Date Qualifier: Not reported
Data Source: RCRAINFO
Last Reported: 28-JUN-2019 00:00:00
Date Created: 21-AUG-2019 00:00:00
Date Updated: Not reported
Active Status: Y

Registry ID: 110002905161
Program System Name: CA-ENVIROVIEW
Program System ID: 3619
Env. Interest Type: STATE MASTER
Federal ST Code: STATE
Start Date: Not reported
Start Date Qualifier: Not reported
End Date: Not reported
End Date Qualifier: Not reported
Data Source: CA-ENVIROVIEW
Last Reported: Not reported
Date Created: 14-OCT-2015 15:36:20
Date Updated: Not reported
Active Status: Not reported

Mailing Information:
Registry ID: 110002905161
Program System Name: CA-CERS
Program System ID: 10155427
Supplemental Interest: STATE MASTER
Contact Type: FACILITY MAILING ADDRESS
Start Date: Not reported
End Date: Not reported
Mailing Address: 901 W 12TH ST
Supplemental Address: Not reported
Contact City: LONG BEACH
Contact State Code: CA
Contact State: CALIFORNIA
Contact Zip: 90813
Contact Country: USA

Registry ID: 110002905161
Program System Name: CA-ENVIROVIEW
Program System ID: 3619
Supplemental Interest: STATE MASTER
Contact Type: FACILITY MAILING ADDRESS
Start Date: Not reported
End Date: Not reported
Mailing Address: 901 WEST 12TH STREET
Supplemental Address: Not reported
Contact City: LONG BEACH
Contact State Code: CA
Contact State: CALIFORNIA
Contact Zip: 90813
Contact Country: UNITED STATES

NAICS:
Registry ID: 110002905161
Program System Name: CA-ENVIROVIEW
Program System ID: 3619
Env. Interest Type: STATE MASTER
NAICS Code: 424690
Primary Indicator: UNKNOWN
Description Code: OTHER CHEMICAL AND ALLIED PRODUCTS MERCHANT WHOLESALERS.

Registry ID: 110002905161
Program System Name: CA-CERS

SECTION 1: FACILITY DETAIL REPORTS

...Continued...

Program System ID: 10155427
Env. Interest Type: STATE MASTER
NAICS Code: 424690
Primary Indicator: UNKNOWN
Description Code: OTHER CHEMICAL AND ALLIED PRODUCTS MERCHANT WHOLESALERS.

Program:
Legislative District Number: Not reported
HUC Code 8: Not reported
HUC Code 12: Not reported
Data Quality Code: V
Std Name: AIR PROD AND CHEMICALSNA LONG BCH
Std Location Address: 901 W 12TH ST
Std House Number: 901
Std Street Name: W 12TH ST
Std Base Name: 12TH
Std Prefix: W
Std Suffix: Not reported
Std Stype Before: Not reported
Std Stype After: ST
Std Postal Code: 90813
Std City Name: LONG BEACH
Std County Name: LOS ANGELES COUNTY
Std State Code: CA
Std County FIPS: 06037
Std Country: US
Std Full Address: 901 W 12TH ST, LONG BEACH, CA 90813 US
Address Type: Not reported
Link Method: Not reported
Location Description: Not reported
User ID: DSMITH04
Sensitive Ind: N
User Comment: Not reported
Public Ind: Y
Date Refresh: 09-NOV-2016 13:50:34
Small Bus Ind: Not reported
Env Justice Code: Not reported
Parent Program System ID: Not reported
Stand Alone Flag: Not reported

Legislative District Number: Not reported
HUC Code 8: Not reported
HUC Code 12: Not reported
Data Quality Code: V
Std Name: AIR PROD AND CHEM
Std Location Address: 901 W 12TH ST
Std House Number: 901
Std Street Name: W 12TH ST
Std Base Name: 12TH
Std Prefix: W
Std Suffix: Not reported
Std Stype Before: Not reported
Std Stype After: ST
Std Postal Code: 90813
Std City Name: LONG BEACH
Std County Name: LOS ANGELES COUNTY
Std State Code: CA
Std County FIPS: 06037
Std Country: US
Std Full Address: 901 W 12TH ST, LONG BEACH, CA 90813 US
Address Type: Not reported
Link Method: NAME ADDRESS
Location Description: Not reported
User ID: REFRESH
Sensitive Ind: Not reported
User Comment: Not reported
Public Ind: Y
Date Refresh: 18-NOV-2004 13:03:04
Small Bus Ind: Not reported
Env Justice Code: Not reported
Parent Program System ID: Not reported
Stand Alone Flag: Not reported

Legislative District Number: Not reported
HUC Code 8: Not reported
HUC Code 12: Not reported
Data Quality Code: V
Std Name: AIR PROD AND CHEM
Std Location Address: 901 W 12TH ST
Std House Number: 901
Std Street Name: W 12TH ST
Std Base Name: 12TH
Std Prefix: W
Std Suffix: Not reported

SECTION 1: FACILITY DETAIL REPORTS

...Continued...

Std Stype Before:	Not reported
Std Stype After:	ST
Std Postal Code:	90813
Std City Name:	LONG BEACH
Std County Name:	LOS ANGELES COUNTY
Std State Code:	CA
Std County FIPS:	06037
Std Country:	US
Std Full Address:	901 W 12TH ST, LONG BEACH, CA 90813 US
Address Type:	Not reported
Link Method:	Not reported
Location Description:	Not reported
User ID:	REFRESH
Sensitive Ind:	N
User Comment:	Not reported
Public Ind:	Y
Date Refresh:	21-AUG-2019 10:40:31
Small Bus Ind:	Not reported
Env Justice Code:	Not reported
Parent Program System ID:	Not reported
Stand Alone Flag:	Not reported
Legislative District Number:	Not reported
HUC Code 8:	Not reported
HUC Code 12:	Not reported
Data Quality Code:	V
Std Name:	AIR PROD AND CHEM LONG BCH
Std Location Address:	901 W 12TH ST
Std House Number:	901
Std Street Name:	W 12TH ST
Std Base Name:	12TH
Std Prefix:	W
Std Suffix:	Not reported
Std Stype Before:	Not reported
Std Stype After:	ST
Std Postal Code:	90813
Std City Name:	LONG BEACH
Std County Name:	LOS ANGELES COUNTY
Std State Code:	CA
Std County FIPS:	06037
Std Country:	US
Std Full Address:	901 W 12TH ST, LONG BEACH, CA 90813 US
Address Type:	Not reported
Link Method:	Not reported
Location Description:	Not reported
User ID:	DSMITH04
Sensitive Ind:	N
User Comment:	Not reported
Public Ind:	Y
Date Refresh:	15-SEP-2013 11:04:50
Small Bus Ind:	Not reported
Env Justice Code:	Not reported
Parent Program System ID:	Not reported
Stand Alone Flag:	Not reported
SIC:	
Interest Type:	STATE MASTER
SIC Code:	5169
Primary Ind:	UNKNOWN
Description Code:	CHEMICALS AND ALLIED PRODUCTS, NOT ELSEWHERE CLASSIFIED
Interest Type:	STATE MASTER
SIC Code:	5169
Primary Ind:	UNKNOWN
Description Code:	CHEMICALS AND ALLIED PRODUCTS, NOT ELSEWHERE CLASSIFIED
Supplemental Interest:	
Interest Type:	STATE MASTER
Suppint:	HAZARDOUS WASTE PROGRAM
Start Date:	Not reported
Start Date Qualifier:	Not reported
End Date:	Not reported
End Date Qualifier:	Not reported
Data Source:	HWTS-DATAMART
Last Reported Date:	Not reported
Created Date:	18-NOV-2004 13:03:04
Updated Date:	Not reported
Interest Type:	STATE MASTER
Suppint:	EPCRA
Start Date:	Not reported
Start Date Qualifier:	Not reported
End Date:	Not reported
End Date Qualifier:	Not reported

SECTION 1: FACILITY DETAIL REPORTS

...Continued...

Data Source: CA-CERS
Last Reported Date: Not reported
Created Date: 15-SEP-2013 16:54:37
Updated Date: 25-FEB-2014 08:50:11

Interest Type: STATE MASTER
Suppint: RMP REPORTER
Start Date: 10-JUL-0013 00:00:00
Start Date Qualifier: ENVIRONMENTAL INTEREST START DATE
End Date: Not reported
End Date Qualifier: ENVIRONMENTAL INTEREST END DATE
Data Source: CA-ENVIROVIEW
Last Reported Date: Not reported
Created Date: 15-OCT-2015 07:16:28
Updated Date: Not reported

Interest Type: STATE MASTER
Suppint: HAZARDOUS WASTE PROGRAM
Start Date: 10-JUL-0013 00:00:00
Start Date Qualifier: ENVIRONMENTAL INTEREST START DATE
End Date: Not reported
End Date Qualifier: ENVIRONMENTAL INTEREST END DATE
Data Source: CA-ENVIROVIEW
Last Reported Date: Not reported
Created Date: 15-OCT-2015 07:19:03
Updated Date: Not reported

ECHO:
Envid: 1000985044
Registry ID: 110002905161
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110002905161>
Name: AIR PROD AND CHEM INC
Address: 901 W 12TH ST
City,State,Zip: LONG BEACH, CA 90813

SEMS Archive:
Site ID: 0901020
EPA ID: CAD008278046
Name: WEBER MACHINE CO
Address: 901 W 12TH ST
Address 2: Not reported
City,State,Zip: LONG BEACH, CA 90813
Cong District: 32
FIPS Code: 06037
FF: N
NPL: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

SEMS Archive Detail:
Region: 09
Site ID: 0901020
EPA ID: CAD008278046
Site Name: WEBER MACHINE CO
NPL: N
FF: N
OU: 00
Action Code: VS
Action Name: ARCH SITE
SEQ: 1
Start Date: Not reported
Finish Date: 1987-02-01 05:00:00
Qual: Not reported
Current Action Lead: EPA Perf In-Hse

Region: 09
Site ID: 0901020
EPA ID: CAD008278046
Site Name: WEBER MACHINE CO
NPL: N
FF: N
OU: 00
Action Code: PA
Action Name: PA
SEQ: 1
Start Date: 1986-04-01 05:00:00
Finish Date: 1987-02-01 05:00:00
Qual: N
Current Action Lead: St Perf

Region: 09
Site ID: 0901020

SECTION 1: FACILITY DETAIL REPORTS

...Continued...

EPA ID: CAD008278046
Site Name: WEBER MACHINE CO
NPL: N
FF: N
OU: 00
Action Code: DS
Action Name: DISCVRY
SEQ: 1
Start Date: 1986-04-01 05:00:00
Finish Date: 1986-04-01 05:00:00
Qual: Not reported
Current Action Lead: St Perf

RCRA NonGen / NLR:

Date form received by agency: 1995-10-19 00:00:00.0
Facility name: AIR PRODUCTS AND CHEMICALS INC
Facility address: 901 W 12TH ST
LONG BEACH, CA 90813-2813
EPA ID: CAR000001537
Mailing address: 98 INDUSTRIAL CT
GALT, CA 95632-1562
Contact: KEITH J. LEINBACH
Contact address: 98 INDUSTRIAL CT
GALT, CA 95632
Contact country: Not reported
Contact telephone: 610-481-4737
Contact email: LEINBAKJ@AIRPRODUCTS.COM
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: KEITH J. LEINBACH
Owner/operator address: 98 INDUSTRIAL CT
GALT, CA 95632
Owner/operator country: Not reported
Owner/operator telephone: 610-481-4737
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: AIR PROD AND CHEM INC
Owner/operator address: 7201 HAMILTON BLVD
LONG BEACH, CA 90813
Owner/operator country: Not reported
Owner/operator telephone: 610-481-4911
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: AIR PRODUCTS AND CHEMICALS INC
Owner/operator address: 7201 HAMILTON BLVD
ALLENTOWN, PA 18195
Owner/operator country: Not reported
Owner/operator telephone: 610-481-4737
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: Yes
Transporter of hazardous waste: Yes
Treater, storer or disposer of HW: Yes
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No

SECTION 1: FACILITY DETAIL REPORTS

...Continued...

Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Historical Generators:

Date form received by agency:	1995-03-27 00:00:00.0
Site name:	AIR PROD AND CHEM INC
Classification:	Small Quantity Generator

Violation Status:	No violations found
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SECTION 2: DATABASES AND UPDATE DATES

To maintain currency of the following federal, state and local databases, EDR contacts the appropriate government agency on a monthly or quarterly basis as required.

Elapsed ASTM days: Provides confirmation that this report meets or exceeds the 90-day updating requirement of the ASTM standard.

DATABASES FOUND IN THIS REPORT

FINDS: Facility Index System/Facility Registry System

Source: EPA

Telephone: Not reported

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 11/22/2019
Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/03/2020
Date of Next Scheduled Update: 06/15/2020

ECHO: Enforcement & Compliance History Information

Source: Environmental Protection Agency

Telephone: 202-564-2280

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 01/05/2020
Database Release Frequency: Quarterly

Date of Last EDR Contact: 04/07/2020
Date of Next Scheduled Update: 07/20/2020

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

Source: EPA

Telephone: 800-424-9346

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 01/30/2020
Database Release Frequency: Quarterly

Date of Last EDR Contact: 05/06/2020
Date of Next Scheduled Update: 07/27/2020

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

Source: Environmental Protection Agency

Telephone: 202-272-0167

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 12/16/2019
Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/25/2020
Date of Next Scheduled Update: 07/06/2020

AIR PRODUCTS AND CHEMICALS, INC.

901 WEST 12TH STREET

LONG BEACH, CA 90802

Inquiry Number:

May 12, 2020

EDR Site Report™



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

TABLE OF CONTENTS

The EDR-Site Report™ is a comprehensive presentation of government filings on a facility identified in a search of federal, state and local environmental databases.

Section 1: Facility Detail Reports Page 3

All available detailed information from databases where sites are identified.

Section 2: Databases and Update Information. Page 27

Name, source, update dates, contact phone number and description of each of the databases for this report.

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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SECTION 1: FACILITY DETAIL REPORTS

AIR PRODUCTS AND CHEMICALS, INC. - LONG BEACH
901 WEST 12TH STREET
LONG BEACH, CA 90802
EDR ID #S113173215

Databases:

HAZNET: Facility and Manifest Data
CERS: CERS
CERS TANKS: California Environmental Reporting System (CERS) Tanks
CERS HAZ WASTE: CERS HAZ WASTE
HWTS: Hazardous Waste Tracking System

HAZNET:

Name: AIR PRODUCTS AND CHEMICALS INC
Address: 901 W 12TH ST
Address 2: Not reported
City,State,Zip: LONG BEACH, CA 908132813
Contact: KEITH J. LEINBACH
Telephone: 6104814737
Mailing Name: Not reported
Mailing Address: 98 INDUSTRIAL CT

Year: 2017
Gepaid: CAR0000001537
TSD EPA ID: CAD044429835
CA Waste Code: 181 - Other inorganic solid waste
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.25

Year: 2017
Gepaid: CAR0000001537
TSD EPA ID: NED981723513
CA Waste Code: 331 - Off-specification, aged or surplus organics
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.05

Year: 2017
Gepaid: CAR0000001537
TSD EPA ID: CAD980675276
CA Waste Code: 223 - Unspecified oil-containing waste
Disposal Method: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 6.7424

Year: 2017
Gepaid: CAR0000001537
TSD EPA ID: CAD044429835
CA Waste Code: 162 - Other spent catalyst
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.15

Year: 2017
Gepaid: CAR0000001537
TSD EPA ID: CAD044429835
CA Waste Code: -
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.05

Year: 2017
Gepaid: CAR0000001537
TSD EPA ID: CAD044429835
CA Waste Code: 221 - Waste oil and mixed oil
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.475

Year: 2017
Gepaid: CAR0000001537
TSD EPA ID: CAD044429835
CA Waste Code: 352 - Other organic solids
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.15

Year: 2016
Gepaid: CAR0000001537
TSD EPA ID: CAD980675276

SECTION 1: FACILITY DETAIL REPORTS

...Continued...

CA Waste Code:	181 - Other inorganic solid waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.04
Year:	2016
Gepaid:	CAR0000001537
TSD EPA ID:	CAD009007626
CA Waste Code:	151 - Asbestos containing waste
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	68.54
Year:	2015
Gepaid:	CAR0000001537
TSD EPA ID:	CAD009007626
CA Waste Code:	151 - Asbestos containing waste
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.23
Year:	2015
Gepaid:	CAR0000001537
TSD EPA ID:	CAD044429835
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.22
Year:	2015
Gepaid:	CAR0000001537
TSD EPA ID:	CAD044429835
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.04
Year:	2015
Gepaid:	CAR0000001537
TSD EPA ID:	CAD044429835
CA Waste Code:	352 - Other organic solids
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.03
Year:	2014
Gepaid:	CAR0000001537
TSD EPA ID:	CAD044429835
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.225
Year:	2014
Gepaid:	CAR0000001537
TSD EPA ID:	CAD044429835
CA Waste Code:	352 - Other organic solids
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.0625
Year:	2013
Gepaid:	CAR0000001537
TSD EPA ID:	CAD008302903
CA Waste Code:	135 - Unspecified aqueous solution
Disposal Method:	-
Tons:	0.02
Year:	2013
Gepaid:	CAR0000001537
TSD EPA ID:	CAD008302903
CA Waste Code:	135 - Unspecified aqueous solution
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	1.55
Year:	2013
Gepaid:	CAR0000001537
TSD EPA ID:	ARD069748192
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	H050 - Energy Recovery At This Site--Use As Fuel(Includes On-Site Fuel Blending)
Tons:	0.275
Year:	2013
Gepaid:	CAR0000001537

SECTION 1: FACILITY DETAIL REPORTS

...Continued...

TSD EPA ID:	CAD044429835
CA Waste Code:	352 - Other organic solids
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Recovery (H010-H129) Or (H131-H135)
Tons:	0.115
Year:	2013
Gepaid:	CAR0000001537
TSD EPA ID:	CAD008302903
CA Waste Code:	181 - Other inorganic solid waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Recovery (H010-H129) Or (H131-H135)
Tons:	35.212
Year:	2011
Gepaid:	CAR0000001537
TSD EPA ID:	TXD055141378
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Tons:	0.1875
Year:	2011
Gepaid:	CAR0000001537
TSD EPA ID:	CAD980675276
CA Waste Code:	352 - Other organic solids
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.3
Year:	2009
Gepaid:	CAR0000001537
TSD EPA ID:	TXD055141378
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Tons:	0.175
Year:	2009
Gepaid:	CAR0000001537
TSD EPA ID:	CAD980675276
CA Waste Code:	352 - Other organic solids
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.125
Year:	2008
Gepaid:	CAR0000001537
TSD EPA ID:	CAD044429835
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Recovery (H010-H129) Or (H131-H135)
Tons:	0.225
Year:	2008
Gepaid:	CAR0000001537
TSD EPA ID:	CAD044429835
CA Waste Code:	352 - Other organic solids
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Recovery (H010-H129) Or (H131-H135)
Tons:	0.1
Year:	2007
Gepaid:	CAR0000001537
TSD EPA ID:	CAD044429835
CA Waste Code:	352 - Other organic solids
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Recovery (H010-H129) Or (H131-H135)
Tons:	0.0525
Year:	2007
Gepaid:	CAR0000001537
TSD EPA ID:	CAD044429835
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Recovery (H010-H129) Or (H131-H135)
Tons:	0.2625
Year:	2006
Gepaid:	CAR0000001537
TSD EPA ID:	UTD981552177
CA Waste Code:	352 - Other organic solids
Disposal Method:	H01 - Transfer Station
Tons:	0.1
Year:	2006
Gepaid:	CAR0000001537

SECTION 1: FACILITY DETAIL REPORTS

...Continued...

TSD EPA ID:	UTD981552177
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	R01 - Recycler
Tons:	0.25
Year:	2006
Gepaid:	CAR000001537
TSD EPA ID:	UTD981552177
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	R01 - Recycler
Tons:	0.0375
Year:	2004
Gepaid:	CAR000001537
TSD EPA ID:	UTD981552177
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	R01 - Recycler
Tons:	0.0396
Year:	2004
Gepaid:	CAR000001537
TSD EPA ID:	UTD981552177
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	T03 - Treatment, Incineration
Tons:	0.4045
Year:	2004
Gepaid:	CAR000001537
TSD EPA ID:	UTD981552177
CA Waste Code:	141 - Off-specification, aged or surplus inorganics
Disposal Method:	T03 - Treatment, Incineration
Tons:	0.02085
Year:	2004
Gepaid:	CAR000001537
TSD EPA ID:	UTD981552177
CA Waste Code:	291 - Latex waste
Disposal Method:	H01 - Transfer Station
Tons:	0.175
Year:	2001
Gepaid:	CAR000001537
TSD EPA ID:	CAD050806850
CA Waste Code:	-
Disposal Method:	H01 - Transfer Station
Tons:	0.386
Year:	2000
Gepaid:	CAR000001537
TSD EPA ID:	CAD050806850
CA Waste Code:	-
Disposal Method:	H01 - Transfer Station
Tons:	0.408
Year:	1998
Gepaid:	CAR000001537
TSD EPA ID:	CAT000613976
CA Waste Code:	343 - Unspecified organic liquid mixture
Disposal Method:	H01 - Transfer Station
Tons:	1.0132
Year:	1997
Gepaid:	CAR000001537
TSD EPA ID:	CAT000613976
CA Waste Code:	343 - Unspecified organic liquid mixture
Disposal Method:	H01 - Transfer Station
Tons:	0.298
Additional Info:	
Year:	2001
Gen EPA ID:	CAR000001537
Shipment Date:	20010406
Creation Date:	7/10/2001 0:00:00
Receipt Date:	20010410
Manifest ID:	20331448
Trans EPA ID:	SCR000075150
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSD EPA ID:	CAD050806850
Trans Name:	Not reported
TSD EPA ID:	CAD050806850

SECTION 1: FACILITY DETAIL REPORTS

...Continued...

TSDF Alt Name:	Not reported
CA Waste Code:	- Not reported
RCRA Code:	Not reported
Disposal Method:	H01 - Transfer Station
Quantity Tons:	0.193
Waste Quantity:	386
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20010108
Creation Date:	4/30/2001 0:00:00
Receipt Date:	20010116
Manifest ID:	99810791
Trans EPA ID:	SCR000075150
Trans Name:	Not reported
Trans 2 EPA ID:	SCR000074591
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD050806850
TSDF Alt Name:	Not reported
CA Waste Code:	- Not reported
RCRA Code:	Not reported
Disposal Method:	H01 - Transfer Station
Quantity Tons:	0.193
Waste Quantity:	386
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Additional Info:	
Year:	2013
Gen EPA ID:	CAR000001537
Shipment Date:	20130920
Creation Date:	11/7/2013 22:15:06
Receipt Date:	20130923
Manifest ID:	006104672FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.115
Waste Quantity:	230
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130920
Creation Date:	1/28/2014 22:15:31
Receipt Date:	20131006
Manifest ID:	006104673FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	AZR000508515
Trans 2 Name:	SLT
TSDF EPA ID:	ARD069748192
Trans Name:	CLEAN HARBORS EL DORADO LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Disposal Method:	H050 - Energy Recovery At This Site--Use As Fuel(Includes On-Site Fuel Blending)
Quantity Tons:	0.275
Waste Quantity:	550
Quantity Unit:	P

SECTION 1: FACILITY DETAIL REPORTS

...Continued...

Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20130302
Creation Date: 4/22/2013 22:15:13
Receipt Date: 20130306
Manifest ID: 000652056VES
Trans EPA ID: NJD080631369
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD008302903
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
CA Waste Code: 135 - Unspecified aqueous solution
RCRA Code: Not reported
Disposal Method: - Not reported
Quantity Tons: 0.02
Waste Quantity: 40
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20130302
Creation Date: 4/22/2013 22:15:13
Receipt Date: 20130306
Manifest ID: 000652056VES
Trans EPA ID: NJD080631369
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD008302903
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
CA Waste Code: 181 - Other inorganic solid waste Organics
RCRA Code: Not reported
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Recovery (H010-H129) Or (H131-H135)
Quantity Tons: 1.5
Waste Quantity: 3000
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20130302
Creation Date: 4/22/2013 22:15:13
Receipt Date: 20130306
Manifest ID: 000652056VES
Trans EPA ID: NJD080631369
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD008302903
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
CA Waste Code: 135 - Unspecified aqueous solution
RCRA Code: Not reported
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Recovery (H010-H129) Or (H131-H135)
Quantity Tons: 1.55
Waste Quantity: 3100
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20130221
Creation Date: 4/12/2013 22:15:31
Receipt Date: 20130221
Manifest ID: 000596962VES
Trans EPA ID: NJD080631369

SECTION 1: FACILITY DETAIL REPORTS

...Continued...

Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	16.856
Waste Quantity:	20
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130220
Creation Date:	4/12/2013 22:15:31
Receipt Date:	20130220
Manifest ID:	000652055VES
Trans EPA ID:	CAR000181891
Trans Name:	BDC SPECIAL WASTE SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	16.856
Waste Quantity:	20
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Additional Info:	
Year:	1997
Gen EPA ID:	CAR000001537
Shipment Date:	19970430
Creation Date:	7/17/1997 0:00:00
Receipt Date:	19970501
Manifest ID:	95509574
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Disposal Method:	H01 - Transfer Station
Quantity Tons:	0.298
Waste Quantity:	596
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Additional Info:	
Year:	2011
Gen EPA ID:	CAR000001537
Shipment Date:	20110401
Creation Date:	9/13/2011 18:30:11
Receipt Date:	20110411
Manifest ID:	004416676FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	AZR000508515

SECTION 1: FACILITY DETAIL REPORTS

...Continued...

Trans 2 Name:	SLT EXPRESSWAY
TSDF EPA ID:	TXD055141378
Trans Name:	CLEAN HARBORS DEER PARK LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Disposal Method:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	0.1875
Waste Quantity:	375
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110401
Creation Date:	6/16/2011 18:30:20
Receipt Date:	20110408
Manifest ID:	004416675FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENV SVCS
TSDF EPA ID:	CAD980675276
Trans Name:	CLEAN HARBORS BUTTONWILLOW LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	Not reported
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.3
Waste Quantity:	600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Additional Info:	
Year:	2000
Gen EPA ID:	CAR000001537
Shipment Date:	20000825
Creation Date:	11/14/2000 0:00:00
Receipt Date:	20000829
Manifest ID:	99018489
Trans EPA ID:	SCR000075150
Trans Name:	Not reported
Trans 2 EPA ID:	SCR000074591
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	- Not reported
RCRA Code:	Not reported
Disposal Method:	H01 - Transfer Station
Quantity Tons:	0.193
Waste Quantity:	386
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20000128
Creation Date:	5/3/2000 0:00:00
Receipt Date:	20000201
Manifest ID:	99204559
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	SCR000074591
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD050806850
TSDF Alt Name:	Not reported
CA Waste Code:	- Not reported
RCRA Code:	Not reported

SECTION 1: FACILITY DETAIL REPORTS

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Disposal Method:	H01 - Transfer Station
Quantity Tons:	0.215
Waste Quantity:	430
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Additional Info:	
Year:	2009
Gen EPA ID:	CAR000001537
Shipment Date:	20090626
Creation Date:	11/25/2009 18:30:08
Receipt Date:	20090706
Manifest ID:	002593580FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	UTR000007708
Trans 2 Name:	SLT EXPRESSWAY
TSDf EPA ID:	TXD055141378
Trans Name:	CLEAN HARBORS DEER PARK LP
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
CA Waste Code:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Disposal Method:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	0.175
Waste Quantity:	350
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20090626
Creation Date:	8/25/2009 18:30:31
Receipt Date:	20090708
Manifest ID:	002593579FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENV SVCS
TSDf EPA ID:	CAD980675276
Trans Name:	CLEAN HARBORS BUTTONWILLOW LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	Not reported
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.125
Waste Quantity:	250
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Additional Info:	
Year:	2016
Gen EPA ID:	CAR000001537
Shipment Date:	20151210
Creation Date:	2/10/2016 22:15:22
Receipt Date:	20151218
Manifest ID:	015220786JJK
Trans EPA ID:	CAR000181891
Trans Name:	BDC SPECIAL WASTE SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD009007626
Trans Name:	AZUSA LAND RECLAMATION
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
CA Waste Code:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.23

SECTION 1: FACILITY DETAIL REPORTS

...Continued...

Waste Quantity:	1
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151023
Creation Date:	12/22/2015 22:15:07
Receipt Date:	20151023
Manifest ID:	008302793FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICE INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Recovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.04
Waste Quantity:	80
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151023
Creation Date:	12/22/2015 22:15:07
Receipt Date:	20151023
Manifest ID:	008302793FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICE INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Recovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.22
Waste Quantity:	440
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151023
Creation Date:	12/22/2015 22:15:07
Receipt Date:	20151023
Manifest ID:	008302793FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICE INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Recovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.03
Waste Quantity:	60
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

SECTION 1: FACILITY DETAIL REPORTS

...Continued...

Year:	2015
Gen EPA ID:	CAR000001537
Shipment Date:	20151210
Creation Date:	2/10/2016 22:15:22
Receipt Date:	20151218
Manifest ID:	015220786JJK
Trans EPA ID:	CAR000181891
Trans Name:	BDC SPECIAL WASTE SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD009007626
Trans Name:	AZUSA LAND RECLAMATION
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
CA Waste Code:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.23
Waste Quantity:	1
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151023
Creation Date:	12/22/2015 22:15:07
Receipt Date:	20151023
Manifest ID:	008302793FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICE INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.03
Waste Quantity:	60
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151023
Creation Date:	12/22/2015 22:15:07
Receipt Date:	20151023
Manifest ID:	008302793FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICE INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.04
Waste Quantity:	80
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151023
Creation Date:	12/22/2015 22:15:07
Receipt Date:	20151023
Manifest ID:	008302793FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICE INC
Trans 2 EPA ID:	Not reported

SECTION 1: FACILITY DETAIL REPORTS

...Continued...

Trans 2 Name:	Not reported
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.22
Waste Quantity:	440
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Additional Info:	
Year:	2017
Gen EPA ID:	CAR000001537
Shipment Date: 20170830	
Creation Date: 7/20/2018 18:30:10	
Receipt Date: 20170830	
Manifest ID: 010537092FLE	
Trans EPA ID: MAD039322250	
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICES INC	
Trans 2 EPA ID: Not reported	
Trans 2 Name: Not reported	
TSDF EPA ID: CAD044429835	
Trans Name: CLEAN HARBORS WILMINGTON LLC	
TSDF Alt EPA ID: Not reported	
TSDF Alt Name: Not reported	
CA Waste Code: 221 - Waste oil and mixed oil	
RCRA Code: Not reported	
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)	
Quantity Tons: 0.266	
Waste Quantity: 70	
Quantity Unit: G	
Additional Code 1: Not reported	
Additional Code 2: Not reported	
Additional Code 3: Not reported	
Additional Code 4: Not reported	
Additional Code 5: Not reported	
Shipment Date: 20170830	
Creation Date: 7/20/2018 18:30:10	
Receipt Date: 20170830	
Manifest ID: 010537092FLE	
Trans EPA ID: MAD039322250	
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICES INC	
Trans 2 EPA ID: Not reported	
Trans 2 Name: Not reported	
TSDF EPA ID: CAD044429835	
Trans Name: CLEAN HARBORS WILMINGTON LLC	
TSDF Alt EPA ID: Not reported	
TSDF Alt Name: Not reported	
CA Waste Code: 162 - Other spent catalyst	
RCRA Code: Not reported	
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)	
Quantity Tons: 0.15	
Waste Quantity: 300	
Quantity Unit: P	
Additional Code 1: Not reported	
Additional Code 2: Not reported	
Additional Code 3: Not reported	
Additional Code 4: Not reported	
Additional Code 5: Not reported	
Shipment Date: 20170830	
Creation Date: 7/20/2018 18:30:10	
Receipt Date: 20170830	
Manifest ID: 010537092FLE	
Trans EPA ID: MAD039322250	
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICES INC	
Trans 2 EPA ID: Not reported	
Trans 2 Name: Not reported	
TSDF EPA ID: CAD044429835	
Trans Name: CLEAN HARBORS WILMINGTON LLC	
TSDF Alt EPA ID: Not reported	
TSDF Alt Name: Not reported	

SECTION 1: FACILITY DETAIL REPORTS

...Continued...

CA Waste Code:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Recovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.25
Waste Quantity:	500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170817
Creation Date:	8/3/2018 18:30:33
Receipt Date:	20170824
Manifest ID:	010537054FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	MOR000501973
Trans 2 Name:	R&R TRUCKING
TSDF EPA ID:	NED981723513
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Recovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170817
Creation Date:	5/30/2018 18:33:30
Receipt Date:	20170822
Manifest ID:	010537053FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Recovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.15
Waste Quantity:	300
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170817
Creation Date:	5/30/2018 18:33:30
Receipt Date:	20170822
Manifest ID:	010537053FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Recovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.209
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

SECTION 1: FACILITY DETAIL REPORTS

...Continued...

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170817
Creation Date:	5/30/2018 18:33:30
Receipt Date:	20170822
Manifest ID:	010537053FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	- Not reported
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Recovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170727
Creation Date:	6/13/2018 18:30:25
Receipt Date:	20170727
Manifest ID:	010536921FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980675276
Trans Name:	CLEAN HARBORS BUTTONWILLOW LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	6.7424
Waste Quantity:	8
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Additional Info:	
Year:	2007
Gen EPA ID:	CAR000001537
Shipment Date:	20070322
Creation Date:	8/23/2007 18:30:14
Receipt Date:	20070330
Manifest ID:	000945280FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENV SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Recovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0525
Waste Quantity:	105
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20070322
Creation Date:	8/23/2007 18:30:14

SECTION 1: FACILITY DETAIL REPORTS

...Continued...

Receipt Date:	20070330
Manifest ID:	000945280FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENV SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.2625
Waste Quantity:	525
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:	
Year:	2006
Gen EPA ID:	CAR000001537

Shipment Date:	20060811
Creation Date:	9/27/2006 18:35:31
Receipt Date:	20060818
Manifest ID:	24910796
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENV SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	UTD981552177
Trans Name:	CLEAN HARBORS ARAGONITE LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	Not reported
Disposal Method:	H01 - Transfer Station
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20060811
Creation Date:	9/27/2006 18:35:31
Receipt Date:	20060818
Manifest ID:	24910796
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENV SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	UTD981552177
Trans Name:	CLEAN HARBORS ARAGONITE LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Disposal Method:	R01 - Recycler
Quantity Tons:	0.25
Waste Quantity:	500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20060811
Creation Date:	9/27/2006 18:35:31
Receipt Date:	20060818
Manifest ID:	24910796
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENV SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	UTD981552177

SECTION 1: FACILITY DETAIL REPORTS

...Continued...

Trans Name:	CLEAN HARBORS ARAGONITE LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Disposal Method:	R01 - Recycler
Quantity Tons:	0.0375
Waste Quantity:	75
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Additional Info:	
Year:	2014
Gen EPA ID:	CAR000001537
Shipment Date:	20140926
Creation Date:	11/22/2014 22:15:06
Receipt Date:	20140927
Manifest ID:	008067746FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Recovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.04
Waste Quantity:	80
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140926
Creation Date:	11/22/2014 22:15:06
Receipt Date:	20140927
Manifest ID:	008067746FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Recovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0125
Waste Quantity:	25
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140926
Creation Date:	6/24/2015 22:15:21
Receipt Date:	20141007
Manifest ID:	008067747FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	AZR000513770
Trans 2 Name:	SLT
TSDF EPA ID:	NED981723513
Trans Name:	CLEAN HARBORS ENV SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Disposal Method:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel

SECTION 1: FACILITY DETAIL REPORTS

...Continued...

Quantity Tons: 0.225
Waste Quantity: 450
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20140926
Creation Date: 11/22/2014 22:15:06
Receipt Date: 20140927
Manifest ID: 008067746FLE
Trans EPA ID: MAD039322250
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD044429835
Trans Name: CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: 352 - Other organic solids
RCRA Code: Not reported
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Recovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.01
Waste Quantity: 20
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20140926
Creation Date: 11/22/2014 22:15:06
Receipt Date: 20140927
Manifest ID: 008067746FLE
Trans EPA ID: MAD039322250
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD044429835
Trans Name: CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: 331 - Off-specification, aged, or surplus organics
RCRA Code: Not reported
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Recovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.225
Waste Quantity: 450
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 2004
Gen EPA ID: CAR000001537

Shipment Date: 20041101
Creation Date: 1/28/2005 18:31:06
Receipt Date: 20041103
Manifest ID: 23456808
Trans EPA ID: MAD039322250
Trans Name: CLEAN HARBORS ENV SERVICES INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: UTD981552177
Trans Name: CLEAN HARBORS ARAGONITE LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: 141 - Off-specification, aged, or surplus inorganics
RCRA Code: D001
Disposal Method: T03 - Treatment, Incineration
Quantity Tons: 0.02085
Waste Quantity: 5
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported

SECTION 1: FACILITY DETAIL REPORTS

...Continued...

Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20041101
Creation Date: 1/28/2005 18:31:06
Receipt Date: 20041103
Manifest ID: 23456808
Trans EPA ID: MAD039322250
Trans Name: CLEAN HARBORS ENV SERVICES INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: UTD981552177
Trans Name: CLEAN HARBORS ARAGONITE LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
CA Waste Code: 331 - Off-specification, aged, or surplus organics
RCRA Code: D001
Disposal Method: R01 - Recycler
Quantity Tons: 0.0396
Waste Quantity: 12
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20041101
Creation Date: 1/28/2005 18:31:06
Receipt Date: 20041103
Manifest ID: 23456808
Trans EPA ID: MAD039322250
Trans Name: CLEAN HARBORS ENV SERVICES INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: UTD981552177
Trans Name: CLEAN HARBORS ARAGONITE LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
CA Waste Code: 331 - Off-specification, aged, or surplus organics
RCRA Code: Not reported
Disposal Method: T03 - Treatment, Incineration
Quantity Tons: 0.132
Waste Quantity: 40
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20041025
Creation Date: 1/11/2005 18:30:51
Receipt Date: 20041102
Manifest ID: 23323416
Trans EPA ID: MAD039322250
Trans Name: CLEAN HARBORS ENV SERVICES INC
Trans 2 EPA ID: UTD988074712
Trans 2 Name: TW COMPANY
TSDf EPA ID: UTD981552177
Trans Name: CLEAN HARBORS ARAGONITE LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
CA Waste Code: 331 - Off-specification, aged, or surplus organics
RCRA Code: F002
Disposal Method: T03 - Treatment, Incineration
Quantity Tons: 0.0225
Waste Quantity: 45
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20041025
Creation Date: 1/11/2005 18:30:51
Receipt Date: 20041102
Manifest ID: 23323416
Trans EPA ID: MAD039322250
Trans Name: CLEAN HARBORS ENV SERVICES INC
Trans 2 EPA ID: UTD988074712
Trans 2 Name: TW COMPANY
TSDf EPA ID: UTD981552177
Trans Name: CLEAN HARBORS ARAGONITE LLC

SECTION 1: FACILITY DETAIL REPORTS

...Continued...

TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Disposal Method:	T03 - Treatment, Incineration
Quantity Tons:	0.25
Waste Quantity:	500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20041025
Creation Date:	1/11/2005 18:30:51
Receipt Date:	20041102
Manifest ID:	23323416
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENV SERVICES INC
Trans 2 EPA ID:	UTD988074712
Trans 2 Name:	TW COMPANY
TSDF EPA ID:	UTD981552177
Trans Name:	CLEAN HARBORS ARAGONITE LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	291 - Latex waste
RCRA Code:	NONE
Disposal Method:	H01 - Transfer Station
Quantity Tons:	0.175
Waste Quantity:	350
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Additional Info:	
Year:	1998
Gen EPA ID:	CAR000001537
Shipment Date:	19980206
Creation Date:	4/16/1998 0:00:00
Receipt Date:	19980209
Manifest ID:	97455294
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT000613976
TSDF Alt Name:	Not reported
CA Waste Code:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Disposal Method:	H01 - Transfer Station
Quantity Tons:	1.0132
Waste Quantity:	298
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Additional Info:	
Year:	2008
Gen EPA ID:	CAR000001537
Shipment Date:	20080303
Creation Date:	5/30/2008 18:30:22
Receipt Date:	20080304
Manifest ID:	001713128FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	Not reported

SECTION 1: FACILITY DETAIL REPORTS

...Continued...

Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Recovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.1
Waste Quantity: 200
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20080303
Creation Date: 5/30/2008 18:30:22
Receipt Date: 20080304
Manifest ID: 001713128FLE
Trans EPA ID: MAD039322250
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD044429835
Trans Name: CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: 223 - Unspecified oil-containing waste
RCRA Code: Not reported
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Recovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.225
Waste Quantity: 450
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

CERS:
Name: AIR PRODUCTS AND CHEMICALS, INC. - LONG BEACH
Address: 901 WEST 12TH STREET
City,State,Zip: LONG BEACH, CA 90802
Site ID: 3619
CERS ID: 10155427
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 3619
Site Name: Air Products and Chemicals, Inc. - Long Beach
Violation Date: 07-25-2017
Citation: 22 CCR 12 66262.34(d) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(d)
Violation Description: Failure to send hazardous waste offsite for treatment, storage, or disposal within 180 days (or 270 days if waste is transported over 200 miles) for a generator who generates less than 1000 kilogram per month if all of the following conditions are met: (1) The quantity of hazardous waste accumulated onsite never exceeds 6,000 kilograms. (2) The generator complies with the requirements of 40 Code of Federal Regulations section 262.34(d), (e) and (f). (3) The generator does not hold acutely hazardous waste or extremely hazardous waste in an amount greater than one kilogram for more than 90 days.
Violation Notes: Returned to compliance on 09/01/2017. Used oil and used absorbents have been stored on site for longer than 180 days. Dispose of this hazardous waste and retain documentation for re-inspection.
Violation Division: Long Beach Environmental Health
Violation Program: HW
Violation Source: CERS

Site ID: 3619
Site Name: Air Products and Chemicals, Inc. - Long Beach
Violation Date: 02-24-2014
Citation: 19 CCR 4 2729.2(a)(3) - California Code of Regulations, Title 19, Chapter 4, Section(s) 2729.2(a)(3)
Violation Description: Failure to complete and/or submit an annotated site map if required by CUPA.
Violation Notes: Returned to compliance on 02/25/2014.
Violation Division: Long Beach Environmental Health
Violation Program: HMRRP
Violation Source: CERS
Site ID: 3619
Site Name: Air Products and Chemicals, Inc. - Long Beach
Violation Date: 02-24-2014
Citation: HSC 6.95 25504(a) - California Health and Safety Code, Chapter 6.95, Section(s) 25504(a)
Violation Description: Failure to complete and/or submit hazardous material inventory forms for all reportable hazardous materials on site.
Violation Notes: Returned to compliance on 02/25/2014.

SECTION 1: FACILITY DETAIL REPORTS

...Continued...

Violation Division: Long Beach Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 3619
Site Name: Air Products and Chemicals, Inc. - Long Beach
Violation Date: 01-07-2014
Citation: 19 CCR 4 2729.2(a)(3) - California Code of Regulations, Title 19, Chapter 4, Section(s) 2729.2(a)(3)
Violation Description: Failure to complete and/or submit an annotated site map if required by CUPA.
Violation Notes: Returned to compliance on 02/25/2014.
Violation Division: Long Beach Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 3619
Site Name: Air Products and Chemicals, Inc. - Long Beach
Violation Date: 01-07-2014
Citation: HSC 6.95 25504(a) - California Health and Safety Code, Chapter 6.95, Section(s) 25504(a)
Violation Description: Failure to complete and/or submit hazardous material inventory forms for all reportable hazardous materials on site.
Violation Notes: Returned to compliance on 02/25/2014.
Violation Division: Long Beach Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 3619
Site Name: Air Products and Chemicals, Inc. - Long Beach
Violation Date: 08-05-2016
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Returned to compliance on 09/06/2016. In clude in chemical inventory new above ground installaion waste oil product
Violation Division: Long Beach Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Evaluation:
Eval General Type: Other/Unknown
Eval Date: 01-07-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Long Beach Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-07-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Long Beach Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 09-01-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Re-inspection with no violations of a compressed gas supplier. Hazardous and regulated waste has been disposed of and documentation provided during the inspection. No violations at time of inspection.
Eval Division: Long Beach Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-18-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: ON-SITE TO CONDUCT A ROUTINE INSPECTION OF AIR PRODUCTS. PERMISSION TO INSPECT THE FACILITY WAS GRANTED TO ME BY JIM REEBEL, SENIOR PRINCIPAL ENVIRONMENTAL ENGINEER. ALSO ON-SITE DURING THE INSPECTION WAS GEOVANNI AGRAMONTE, WEST AREA MANAGER HELIUM OPERATIONS. THIS FACILITY IS AN INDUSTRIAL GAS SUPPLIER AND IS SUBJECT TO THE HAZARDOUS MATERIALS BUSINESS EMERGENCY PLAN REQUIREMENTS FOR HANDLING OR STORING HAZARDOUS MATERIALS IN REPORTABLE QUANTITIES. (55 GALLONS-LIQUID, 200 CUBIC FEET-GAS, OR 500 LBS - SOLID). HAZARDOUS MATERIALS ON-SITE INCLUDES FLAMMABLE AND NON-FLAMMABLE COMPRESSED GASES (GAS AND LIQUID STATES), NEW OIL, DIESEL, PROPANE, COOLANT, JET FUEL , USED OIL AND MISC.

SECTION 1: FACILITY DETAIL REPORTS

...Continued...

HAZARDOUS WASTE. REMEMBER TO ANNUALLY CERTIFY YOUR HAZARDOUS MATERIALS BUSINESS EMERGENCY PLAN ELECTRONICALLY IN CERS. <http://cers.calepa.ca.gov> IF YOU HAVE ANY QUESTIONS, PLEASE CONTACT ME AT STEVEN SANTOS 562 570-2589 OR VIA EMAIL AT STEVEN.SANTOS@LONG BEACH.GOV. THANK YOU

Eval Division: Long Beach Environmental Heath
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-29-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Routine inspection with no violations of a compressed gas transfill facility. Fire extinguishers on site and housekeeping is good. A copy of this OIR was emailed to agramog@airproducts.com.

Eval Division: Long Beach Environmental Heath
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-05-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Long Beach Environmental Heath
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 02-24-2014
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Long Beach Environmental Heath
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-25-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Routine inspection with violations of a compressed gas supplier.
Eval Division: Long Beach Environmental Heath
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-20-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Routine inspection with no violations of a compressed gas facility.
Eval Division: Long Beach Environmental Heath
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-18-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: ON-SITE TO CONDUCT A ROUTINE INSPECTION OF AIR PRODUCTS. PERMISSION TO INSPECT THE FACILITY WAS GRANTED TO ME BY JIM REEBEL, SENIOR PRINCIPAL ENVIRONMENTAL ENGINEER. ALSO ON-SITE DURING THE INSPECTION WAS GEOVANNI AGRAMONTE, WEST AREA MANAGER HELIUM OPERATIONS. THIS FACILITY IS AN INDUSTRIAL GAS SUPPLIER AND IS SUBJECT TO THE ABOVEGROUND PETROLEUM STORAGE ACT (ASPA) REQUIREMENTS FOR STORING PETROLEUM IN ABOVEGROUND STORAGE TANKS(S) WITH AN AGGREGATE STORAGE CAPACITY (SHELL CAPACITY) OF GREATER THAN OR EQUAL TO 1320 GALLONS. FACILITY HAS RECENTLY UPDATED THEIR BUSINESS ACTIVITIES TO INDICATE THAT THEY HAVE GREATER THAN 1320 GALLONS OF ABOVEGROUND PETROLEUM STORAGE. TOTAL ABOVEGROUND STORAGE OBSERVED DURING THE INSPECTION WAS GREATER THAN 1320 GALLONS AND CONFIRMS BUSINESS ACTIVITIES REPORTED IN THE CALIFORNIA ENVIRONMENTAL REPORTING SYSTEM (CERS). ABOVEGROUND STORAGE OF OIL SUBJECT TO THE ABOVEGROUND PETROLEUM STORAGE ACT (APSA) INCLUDES USED OIL, LUBRICATING OIL, AND [Truncated]

Eval Division: Long Beach Environmental Heath
Eval Program: APSA
Eval Source: CERS

Affiliation:
Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 901 West 12th Street
Affiliation City: Long Beach
Affiliation State: CA
Affiliation Country: Not reported

SECTION 1: FACILITY DETAIL REPORTS

...Continued...

Affiliation Zip: 90813
Affiliation Phone: Not reported

Affiliation Type Desc: Parent Corporation
Entity Name: Air Products and Chemicals, Inc.
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Identification Signer
Entity Name: Jim Reebel
Entity Title: Pr. Environmental Engineer
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner
Entity Name: Air Products and Chemicals, Inc.
Entity Title: Not reported
Affiliation Address: 7201 Hamilton Boulevard
Affiliation City: Allentown
Affiliation State: PA
Affiliation Country: United States
Affiliation Zip: 18195
Affiliation Phone: (610) 481-4911

Affiliation Type Desc: Operator
Entity Name: Air Products and Chemicals, Inc.
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (562) 437-0462

Affiliation Type Desc: Document Preparer
Entity Name: Jim Reebel
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Environmental Contact
Entity Name: Jim Reebel
Entity Title: Not reported
Affiliation Address: 901 West 12th Street
Affiliation City: Long Beach
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90802
Affiliation Phone: Not reported

Affiliation Type Desc: CUPA District
Entity Name: Long Beach Environmental Heath
Entity Title: Not reported
Affiliation Address: 2525 Grand Avenue
Affiliation City: Long Beach
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90815
Affiliation Phone: (562) 570-4131

CERS TANKS:
Name: AIR PRODUCTS AND CHEMICALS, INC. - LONG BEACH
Address: 901 WEST 12TH STREET
City,State,Zip: LONG BEACH, CA 90802
Site ID: 3619
CERS ID: 10155427
CERS Description: Aboveground Petroleum Storage

SECTION 1: FACILITY DETAIL REPORTS

...Continued...

CERS HAZ WASTE:

Name:	AIR PRODUCTS AND CHEMICALS, INC. - LONG BEACH
Address:	901 WEST 12TH STREET
City,State,Zip:	LONG BEACH, CA 90802
Site ID:	3619
CERS ID:	10155427
CERS Description:	Hazardous Waste Generator

HWTS:

Name:	AIR PRODUCTS AND CHEMICALS INC
Address:	901 W 12TH ST
Address 2:	Not reported
City,State,Zip:	LONG BEACH, CA 908132813
EPA ID:	CAR000001537
Inactive Date:	Not reported
Create Date:	10/19/1995
Last Act Date:	08/30/2019
Mailing Name:	Not reported
Mailing Address:	98 INDUSTRIAL CT
Mailing Address 2:	Not reported
Mailing City,State,Zip:	GALT, CA 956321562
Owner Name:	AIR PRODUCTS AND CHEMICALS INC
Owner Address:	7201 HAMILTON BLVD
Owner Address 2:	Not reported
Owner City,State,Zip:	ALLENTOWN, PA 181951501
Contact Name:	KEITH J. LEINBACH
Contact Address:	98 INDUSTRIAL CT
Contact Address 2:	Not reported
City,State,Zip:	GALT, CA 95632

NAICS:

EPA ID:	CAR000001537
Create Date:	2002-03-14 16:36:30
NAICS Code:	42269
NAICS Description:	Other Chemical and Allied Products Wholesalers
Issued EPA ID Date:	1995-10-19 00:00:00
Inactive Date:	Not reported
Facility Name:	AIR PRODUCTS AND CHEMICALS INC
Facility Address:	901 W 12TH ST
Facility Address 2:	Not reported
Facility City:	LONG BEACH
Facility County:	19
Facility State:	CA
Facility Zip:	908132813

SECTION 2: DATABASES AND UPDATE DATES

To maintain currency of the following federal, state and local databases, EDR contacts the appropriate government agency on a monthly or quarterly basis as required.

Elapsed ASTM days: Provides confirmation that this report meets or exceeds the 90-day updating requirement of the ASTM standard.

DATABASES FOUND IN THIS REPORT

CA HAZNET: Facility and Manifest Data

Source: California Environmental Protection Agency
Telephone: 916-255-1136

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method. This database begins with calendar year 1993.

Date of Government Version: 12/31/2017
Database Release Frequency: Annually

Date of Last EDR Contact: 04/15/2020
Date of Next Scheduled Update: 07/20/2020

CA CERS: CERS

Source: California Environmental Protection Agency
Telephone: 916-323-2514

The CalEPA Regulated Site Portal database combines data about environmentally regulated sites and facilities in California into a single database. It combines data from a variety of state and federal databases, and provides an overview of regulated activities across the spectrum of environmental programs for any given location in California. These activities include hazardous materials and waste, state and federal cleanups, impacted ground and surface waters, and toxic materials

Date of Government Version: 01/21/2020
Database Release Frequency: Varies

Date of Last EDR Contact: 04/21/2020
Date of Next Scheduled Update: 08/03/2020

CA CERS TANKS: California Environmental Reporting System (CERS) Tanks

Source: California Environmental Protection Agency
Telephone: 916-323-2514

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs.

Date of Government Version: 01/21/2020
Database Release Frequency: Quarterly

Date of Last EDR Contact: 04/21/2020
Date of Next Scheduled Update: 08/03/2020

CA CERS HAZ WASTE: CERS HAZ WASTE

Source: CalEPA
Telephone: 916-323-2514

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

Date of Government Version: 01/21/2020
Database Release Frequency: Quarterly

Date of Last EDR Contact: 04/21/2020
Date of Next Scheduled Update: 08/03/2020

CA HWTS: Hazardous Waste Tracking System

Source: Department of Toxic Substances Control
Telephone: 916-324-2444

The Hazardous Waste Tracking System (HWTS) is the Department of Toxic Substances Control's data repository for hazardous waste Identification (ID) numbers and manifest information. HWTS generates reports on hazardous waste shipments for generators, transporters, and TSDFs.

Date of Government Version: 10/15/2019
Database Release Frequency: Varies

Date of Last EDR Contact: 03/26/2020
Date of Next Scheduled Update: 07/20/2020

SEVEN STRAND TACKLE CORP

899 W COWLES ST
LONG BEACH, CA 90813

Inquiry Number:
May 12, 2020

EDR Site Report™



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

TABLE OF CONTENTS

The EDR-Site Report™ is a comprehensive presentation of government filings on a facility identified in a search of federal, state and local environmental databases.

Section 1: Facility Detail Reports Page 3

All available detailed information from databases where sites are identified.

Section 2: Databases and Update Information. Page 21

Name, source, update dates, contact phone number and description of each of the databases for this report.

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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SECTION 1: FACILITY DETAIL REPORTS

SEVEN STRAND TACKLE CORP
899 W COWLES ST
LONG BEACH, CA 90813
EDR ID #1000593513

Databases:

FINDS: Facility Index System/Facility Registry System
HAZNET: Facility and Manifest Data
ECHO: Enforcement & Compliance History Information
CERS: CERS
CERS HAZ WASTE: CERS HAZ WASTE
HWTS: Hazardous Waste Tracking System
RCRA-SQG: RCRA - Small Quantity Generators

FINDS:

Registry ID: 110002814964
Name: SEVEN STRAND TACKLE CORP
Address: 899 W COWLES ST
City,State,Zip: LONG BEACH, CA 90813
Facility URL: http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_i=110002814964

Environmental Interest/Information System:

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Supplemental Address: Not reported
FIPS Code: 06037
Country Name: UNITED STATES
Federal Facility: Not reported
Federal Agency: Not reported
Tribal Land: Not reported
Tribal Name: Not reported
Congressional District: 37
Census: 060375754011003
Hydrologic Unit Code: 18070105
EPA Region: 09
Site Type: STATIONARY
Location Description: Not reported
Date Created: 01-MAR-2000 00:00:00
Date Updated: 08-AUG-2010 18:23:32
U.S-Mexico Border: Not reported
Information System Abbreviated Name: Not reported
Latitude: 33.78485
Longitude: -118.20256
Conveyor: FRS-GEocode
Horizontal Collection: ADDRESS MATCHING-HOUSE NUMBER
Horizontal Accuracy: 30
Reference Point: CENTER OF A FACILITY OR STATION
Horizontal Datum: NAD83
Coordinates Source: Not reported

Organization:

Registry ID: 110002814964
Program System Name: RCRAINFO
Program System ID: CAD982446585
Env. Interest Type: SQG
Contact Type: OWNER
Start Date: Not reported
End Date: Not reported
Organization Name: BILL BUCHANAN
Organization Type: PRIVATE
Duns Number: Not reported
Division Name: Not reported
Phone Number: 415-555-1212
Alternate Phone Number: Not reported
Fax Number: Not reported
Email: Not reported
EIN: Not reported
State Business ID: Not reported
Parent Name: Not reported
Standard Parent Name: Not reported
Parent Duns Number: Not reported
Mailing Address: Not reported
Supplemental Address: Not reported
City: Not reported
State: Not reported
Zip: Not reported
Country: Not reported

SECTION 1: FACILITY DETAIL REPORTS

...Continued...

Alternate Name:
Registry ID: 110002814964
Information System Abbreviated Name: RCRAINFO
Program System ID: CAD982446585
Alternative Name: SEVEN STRAND TACKLE CORP
Alternative Name Type: PROGRAM NAME

Interest:
Registry ID: 110002814964
Program System Name: RCRAINFO
Program System ID: CAD982446585
Env. Interest Type: SQG
Federal ST Code: FEDERAL
Start Date: 01-SEP-1996 00:00:00
Start Date Qualifier: EARLIEST RCRAINFO DATE
End Date: Not reported
End Date Qualifier: Not reported
Data Source: RCRAINFO
Last Reported: 15-SEP-2000 00:00:00
Date Created: 15-MAY-2001 21:47:58
Date Updated: 09-MAY-2012 14:32:32
Active Status: Y

Mailing Information:
Registry ID: 110002814964
Program System Name: RCRAINFO
Program System ID: CAD982446585
Supplemental Interest: SQG
Contact Type: FACILITY MAILING ADDRESS
Start Date: Not reported
End Date: Not reported
Mailing Address: 899 W COWLES ST
Supplemental Address: Not reported
Contact City: LONG BEACH
Contact State Code: CA
Contact State: Not reported
Contact Zip: 90813
Contact Country: USA

Program:
Legislative District Number: Not reported
HUC Code 8: Not reported
HUC Code 12: Not reported
Data Quality Code: V
Std Name: 7 STRAND TACKLE
Std Location Address: 899 W COWLES ST
Std House Number: 899
Std Street Name: W COWLES ST
Std Base Name: COWLES
Std Prefix: W
Std Suffix: Not reported
Std Stype Before: Not reported
Std Stype After: ST
Std Postal Code: 90813
Std City Name: LONG BEACH
Std County Name: LOS ANGELES COUNTY
Std State Code: CA
Std County FIPS: 06037
Std Country: US
Std Full Address: 899 W COWLES ST, LONG BEACH, CA 90813 US
Address Type: Not reported
Link Method: NAME ADDRESS
Location Description: Not reported
User ID: REFRESH
Sensitive Ind: N
User Comment: Not reported
Public Ind: Y
Date Refresh: 08-AUG-2010 18:23:32
Small Bus Ind: Not reported
Env Justice Code: Not reported
Parent Program System ID: Not reported
Stand Alone Flag: Not reported

HAZNET:
Name: SEVEN STRAND TACKLE CORP
Address: 899 W COWLES ST
Address 2: Not reported
City,State,Zip: LONG BEACH, CA 908130000
Contact: LAURIE HOCKER/OFFICE MANAGER

SECTION 1: FACILITY DETAIL REPORTS

...Continued...

Telephone:	5624371010
Mailing Name:	Not reported
Mailing Address:	729 W 16TH STREET A4
Year:	2005
Gepaid:	CAD982446585
TSD EPA ID:	CAD008302903
CA Waste Code:	791 - Liquids with pH <= 2
Disposal Method:	H01 - Transfer Station
Tons:	0.025
Year:	2005
Gepaid:	CAD982446585
TSD EPA ID:	CAD008302903
CA Waste Code:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method:	R01 - Recycler
Tons:	1
Year:	2005
Gepaid:	CAD982446585
TSD EPA ID:	CAD008302903
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	R01 - Recycler
Tons:	0.5
Year:	2004
Gepaid:	CAD982446585
TSD EPA ID:	CAD008302903
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	R01 - Recycler
Tons:	0.125
Year:	2004
Gepaid:	CAD982446585
TSD EPA ID:	CAD008302903
CA Waste Code:	181 - Other inorganic solid waste
Disposal Method:	H01 - Transfer Station
Tons:	0.03
Year:	2004
Gepaid:	CAD982446585
TSD EPA ID:	CAD008302903
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	H01 - Transfer Station
Tons:	0.01
Year:	2004
Gepaid:	CAD982446585
TSD EPA ID:	CAD008302903
CA Waste Code:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method:	R01 - Recycler
Tons:	0.2
Year:	2003
Gepaid:	CAD982446585
TSD EPA ID:	CAD008302903
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	R01 - Recycler
Tons:	0.38
Year:	2003
Gepaid:	CAD982446585
TSD EPA ID:	CAD008302903
CA Waste Code:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method:	R01 - Recycler
Tons:	1.518
Year:	2003
Gepaid:	CAD982446585
TSD EPA ID:	CAD008302903
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	R01 - Recycler
Tons:	0.132
Year:	1999
Gepaid:	CAD982446585
TSD EPA ID:	CAD008302903
CA Waste Code:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method:	R01 - Recycler
Tons:	1.0725
Year:	1997
Gepaid:	CAD982446585
TSD EPA ID:	CAD008302903
CA Waste Code:	331 - Off-specification, aged or surplus organics

SECTION 1: FACILITY DETAIL REPORTS

...Continued...

Disposal Method:	R01 - Recycler
Tons:	0.132
Year:	1997
Gepaid:	CAD982446585
TSD EPA ID:	CAD008302903
CA Waste Code:	214 - Unspecified solvent mixture
Disposal Method:	R01 - Recycler
Tons:	1.26
Year:	1997
Gepaid:	CAD982446585
TSD EPA ID:	CAD008302903
CA Waste Code:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method:	R01 - Recycler
Tons:	0.33
Year:	1997
Gepaid:	CAD982446585
TSD EPA ID:	CAD008302903
CA Waste Code:	122 - Alkaline solution without metals pH >= 12.5
Disposal Method:	H01 - Transfer Station
Tons:	0.4795
Year:	1997
Gepaid:	CAD982446585
TSD EPA ID:	CAD008302903
CA Waste Code:	791 - Liquids with pH <= 2
Disposal Method:	H01 - Transfer Station
Tons:	0.2919
Year:	1995
Gepaid:	CAD982446585
TSD EPA ID:	CAD044429835
CA Waste Code:	214 - Unspecified solvent mixture
Disposal Method:	R01 - Recycler
Tons:	3.06
Year:	1995
Gepaid:	CAD982446585
TSD EPA ID:	CAD044429835
CA Waste Code:	181 - Other inorganic solid waste
Disposal Method:	R01 - Recycler
Tons:	0.2293
Year:	1994
Gepaid:	CAD982446585
TSD EPA ID:	CAD008302903
CA Waste Code:	214 - Unspecified solvent mixture
Disposal Method:	R01 - Recycler
Tons:	0.792
Year:	1993
Gepaid:	CAD982446585
TSD EPA ID:	CAD008302903
CA Waste Code:	214 - Unspecified solvent mixture
Disposal Method:	R01 - Recycler
Tons:	0.198
Year:	1991
Gepaid:	CAD982446585
TSD EPA ID:	CAD097030993
CA Waste Code:	791 - Liquids with pH <= 2
Disposal Method:	T01 - Treatment, Tank
Tons:	5.6295
Year:	1991
Gepaid:	CAD982446585
TSD EPA ID:	CAD000088252
CA Waste Code:	512 - Other empty containers 30 gallons or more
Disposal Method:	-
Tons:	0.5
Additional Info:	
Year:	2005
Gen EPA ID:	CAD982446585
Shipment Date:	20050124
Creation Date:	4/2/2005 18:30:21
Receipt Date:	20050128
Manifest ID:	23368200
Trans EPA ID:	NJD080631369
Trans Name:	ONYX ENVIRONMENTAL SVCS LLC

SECTION 1: FACILITY DETAIL REPORTS

...Continued...

Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD008302903
Trans Name: ONYX ENVIRONMENTAL SVCS LLC
TSDF Alt EPA ID: CAD008302903
TSDF Alt Name: Not reported
CA Waste Code: 212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
RCRA Code: F005
Disposal Method: R01 - Recycler
Quantity Tons: 0.4
Waste Quantity: 800
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20050124
Creation Date: 4/2/2005 18:30:21
Receipt Date: 20050128
Manifest ID: 23368200
Trans EPA ID: NJD080631369
Trans Name: ONYX ENVIRONMENTAL SVCS LLC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD008302903
Trans Name: ONYX ENVIRONMENTAL SVCS LLC
TSDF Alt EPA ID: CAD008302903
TSDF Alt Name: Not reported
CA Waste Code: 791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code: D002
Disposal Method: H01 - Transfer Station
Quantity Tons: 0.025
Waste Quantity: 50
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20050124
Creation Date: 4/2/2005 18:30:21
Receipt Date: 20050128
Manifest ID: 23368200
Trans EPA ID: NJD080631369
Trans Name: ONYX ENVIRONMENTAL SVCS LLC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD008302903
Trans Name: ONYX ENVIRONMENTAL SVCS LLC
TSDF Alt EPA ID: CAD008302903
TSDF Alt Name: Not reported
CA Waste Code: 331 - Off-specification, aged, or surplus organics
RCRA Code: F003
Disposal Method: R01 - Recycler
Quantity Tons: 0.5
Waste Quantity: 1000
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20050124
Creation Date: 4/2/2005 18:30:21
Receipt Date: 20050128
Manifest ID: 23368200
Trans EPA ID: NJD080631369
Trans Name: ONYX ENVIRONMENTAL SVCS LLC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD008302903
Trans Name: ONYX ENVIRONMENTAL SVCS LLC
TSDF Alt EPA ID: CAD008302903
TSDF Alt Name: Not reported
CA Waste Code: 212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
RCRA Code: F003
Disposal Method: R01 - Recycler
Quantity Tons: 0.6
Waste Quantity: 1200
Quantity Unit: P
Additional Code 1: Not reported

SECTION 1: FACILITY DETAIL REPORTS

...Continued...

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Additional Info:	
Year:	2003
Gen EPA ID:	CAD982446585
Shipment Date:	20030925
Creation Date:	8/3/2004 15:03:33
Receipt Date:	20030925
Manifest ID:	22538708
Trans EPA ID:	NJD080631369
Trans Name:	ONYX ENVIRONMENTAL SVCS LLC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD008302903
Trans Name:	ONYX ENVIRONMENTAL SVCS L
TSDf Alt EPA ID:	CAD008302903
TSDf Alt Name:	Not reported
CA Waste Code:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	F003
Disposal Method:	R01 - Recycler
Quantity Tons:	0.363
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20030925
Creation Date:	8/3/2004 15:03:33
Receipt Date:	20030925
Manifest ID:	22538708
Trans EPA ID:	NJD080631369
Trans Name:	ONYX ENVIRONMENTAL SVCS LLC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD008302903
Trans Name:	ONYX ENVIRONMENTAL SVCS L
TSDf Alt EPA ID:	CAD008302903
TSDf Alt Name:	Not reported
CA Waste Code:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Disposal Method:	R01 - Recycler
Quantity Tons:	0.209
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20030911
Creation Date:	8/2/2004 9:38:39
Receipt Date:	20030919
Manifest ID:	22538443
Trans EPA ID:	NJD080631369
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD008302903
Trans Name:	Not reported
TSDf Alt EPA ID:	CAD008302903
TSDf Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Disposal Method:	R01 - Recycler
Quantity Tons:	0.132
Waste Quantity:	40
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20030911
Creation Date:	8/2/2004 9:38:39
Receipt Date:	20030919

SECTION 1: FACILITY DETAIL REPORTS

...Continued...

Manifest ID: 22538443
Trans EPA ID: NJD080631369
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD008302903
Trans Name: Not reported
TSDF Alt EPA ID: CAD008302903
TSDF Alt Name: Not reported
CA Waste Code: 221 - Waste oil and mixed oil
RCRA Code: Not reported
Disposal Method: R01 - Recycler
Quantity Tons: 0.171
Waste Quantity: 45
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20030116
Creation Date: 3/30/2003 18:31:13
Receipt Date: 20030117
Manifest ID: 22047050
Trans EPA ID: NJD080631369
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD008302903
Trans Name: Not reported
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: 212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code: F005
Disposal Method: R01 - Recycler
Quantity Tons: 1.155
Waste Quantity: 350
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 2004
Gen EPA ID: CAD982446585

Shipment Date: Not reported
Creation Date: Not reported
Receipt Date: Not reported
Manifest ID: 23371452
Trans EPA ID: NJD080631369
Trans Name: ONYX ENVIRONMENTAL SVCS LLC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD008302903
Trans Name: ONYX ENVIRONMENTAL SVCS LLC
TSDF Alt EPA ID: CAD008302903
TSDF Alt Name: Not reported
CA Waste Code: 792 - Not reported
RCRA Code: D002
Disposal Method: - Not reported
Quantity Tons: 0.1475
Waste Quantity: 295
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: Not reported
Creation Date: Not reported
Receipt Date: Not reported
Manifest ID: 23371452
Trans EPA ID: NJD080631369
Trans Name: ONYX ENVIRONMENTAL SVCS LLC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD008302903
Trans Name: ONYX ENVIRONMENTAL SVCS LLC
TSDF Alt EPA ID: CAD008302903

SECTION 1: FACILITY DETAIL REPORTS

...Continued...

TSDF Alt Name:	Not reported
CA Waste Code:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Disposal Method:	- Not reported
Quantity Tons:	0.02
Waste Quantity:	40
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20040331
Creation Date:	11/13/2004 18:30:21
Receipt Date:	20040407
Manifest ID:	23371452
Trans EPA ID:	NJD080631369
Trans Name:	ONYX ENVIRONMENTAL SVCS LLC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	ONYX ENVIRONMENTAL SVCS LLC
TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
CA Waste Code:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Disposal Method:	H01 - Transfer Station
Quantity Tons:	0.03
Waste Quantity:	60
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20040331
Creation Date:	11/13/2004 18:30:21
Receipt Date:	20040407
Manifest ID:	23371452
Trans EPA ID:	NJD080631369
Trans Name:	ONYX ENVIRONMENTAL SVCS LLC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	ONYX ENVIRONMENTAL SVCS LLC
TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics
RCRA Code:	F003
Disposal Method:	R01 - Recycler
Quantity Tons:	0.125
Waste Quantity:	250
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20040331
Creation Date:	11/13/2004 18:30:21
Receipt Date:	20040407
Manifest ID:	23371452
Trans EPA ID:	NJD080631369
Trans Name:	ONYX ENVIRONMENTAL SVCS LLC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	ONYX ENVIRONMENTAL SVCS LLC
TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Disposal Method:	H01 - Transfer Station
Quantity Tons:	0.01
Waste Quantity:	20
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

SECTION 1: FACILITY DETAIL REPORTS

...Continued...

Shipment Date: 20040331
Creation Date: 11/13/2004 18:30:21
Receipt Date: 20040407
Manifest ID: 23371452
Trans EPA ID: NJD080631369
Trans Name: ONYX ENVIRONMENTAL SVCS LLC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD008302903
Trans Name: ONYX ENVIRONMENTAL SVCS LLC
TSDF Alt EPA ID: CAD008302903
TSDF Alt Name: Not reported
CA Waste Code: 212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
RCRA Code: F005
Disposal Method: R01 - Recycler
Quantity Tons: 0.2
Waste Quantity: 400
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 1997
Gen EPA ID: CAD982446585

Shipment Date: 19971002
Creation Date: 7/23/1998 0:00:00
Receipt Date: 19971002
Manifest ID: 96671360
Trans EPA ID: NJD080631369
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD008302903
Trans Name: Not reported
TSDF Alt EPA ID: CAD008302903
TSDF Alt Name: Not reported
CA Waste Code: 212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
RCRA Code: D001
Disposal Method: R01 - Recycler
Quantity Tons: 0.33
Waste Quantity: 100
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 19970227
Creation Date: 5/30/1997 0:00:00
Receipt Date: 19970227
Manifest ID: 96869669
Trans EPA ID: NJD080631369
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD008302903
Trans Name: Not reported
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: 331 - Off-specification, aged, or surplus organics
RCRA Code: D001
Disposal Method: R01 - Recycler
Quantity Tons: 0.132
Waste Quantity: 40
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 19970227
Creation Date: 5/30/1997 0:00:00
Receipt Date: 19970227
Manifest ID: 96869669
Trans EPA ID: NJD080631369
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported

SECTION 1: FACILITY DETAIL REPORTS

...Continued...

TSDF EPA ID:	CAD008302903
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Disposal Method:	H01 - Transfer Station
Quantity Tons:	0.1459
Waste Quantity:	35
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19970220
Creation Date:	5/30/1997 0:00:00
Receipt Date:	19970220
Manifest ID:	96869610
Trans EPA ID:	NJD080631369
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Disposal Method:	H01 - Transfer Station
Quantity Tons:	0.2919
Waste Quantity:	70
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19970220
Creation Date:	5/30/1997 0:00:00
Receipt Date:	19970220
Manifest ID:	96869610
Trans EPA ID:	NJD080631369
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Disposal Method:	H01 - Transfer Station
Quantity Tons:	0.3336
Waste Quantity:	80
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19970109
Creation Date:	5/30/1997 0:00:00
Receipt Date:	19970109
Manifest ID:	96014095
Trans EPA ID:	NJD080631369
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	214 - Unspecified solvent mixture
RCRA Code:	D001
Disposal Method:	R01 - Recycler
Quantity Tons:	1.26
Waste Quantity:	350
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

SECTION 1: FACILITY DETAIL REPORTS

...Continued...

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Additional Info:	
Year:	1993
Gen EPA ID:	CAD982446585
Shipment Date:	19930913
Creation Date:	9/12/1995 0:00:00
Receipt Date:	19930913
Manifest ID:	93148244
Trans EPA ID:	ILD099202681
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD008302903
Trans Name:	Not reported
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
CA Waste Code:	214 - Unspecified solvent mixture
RCRA Code:	D001
Disposal Method:	R01 - Recycler
Quantity Tons:	0.198
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Additional Info:	
Year:	1995
Gen EPA ID:	CAD982446585
Shipment Date:	19950818
Creation Date:	4/2/1996 0:00:00
Receipt Date:	19950818
Manifest ID:	95229418
Trans EPA ID:	ARD069748192
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD044429835
Trans Name:	Not reported
TSDf Alt EPA ID:	CAD044429835
TSDf Alt Name:	Not reported
CA Waste Code:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Disposal Method:	R01 - Recycler
Quantity Tons:	0.2293
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19950818
Creation Date:	4/2/1996 0:00:00
Receipt Date:	19950818
Manifest ID:	95229418
Trans EPA ID:	ARD069748192
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD044429835
Trans Name:	Not reported
TSDf Alt EPA ID:	CAD044429835
TSDf Alt Name:	Not reported
CA Waste Code:	214 - Unspecified solvent mixture
RCRA Code:	D001
Disposal Method:	R01 - Recycler
Quantity Tons:	3.06
Waste Quantity:	850
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

SECTION 1: FACILITY DETAIL REPORTS

...Continued...

Additional Info:

Year: 1999
Gen EPA ID: CAD982446585

Shipment Date: 19990114
Creation Date: 3/15/1999 0:00:00
Receipt Date: 19990114
Manifest ID: 98520552
Trans EPA ID: NJD080631369
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD008302903
Trans Name: Not reported
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
CA Waste Code: 212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
RCRA Code: D001
Disposal Method: R01 - Recycler
Quantity Tons: 1.0725
Waste Quantity: 325
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:

Year: 1994
Gen EPA ID: CAD982446585

Shipment Date: 19940609
Creation Date: 10/10/1995 0:00:00
Receipt Date: 19940609
Manifest ID: 93312722
Trans EPA ID: ILD099202681
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD008302903
Trans Name: Not reported
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
CA Waste Code: 214 - Unspecified solvent mixture
RCRA Code: D001
Disposal Method: R01 - Recycler
Quantity Tons: 0.792
Waste Quantity: 220
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

ECHO:

Envid: 1000593513
Registry ID: 110002814964
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110002814964>
Name: SEVEN STRAND TACKLE CORP
Address: 899 W COWLES ST
City,State,Zip: LONG BEACH, CA 90813

CERS:

Name: G & J FORKLIFT
Address: 899 W COWLES ST
City,State,Zip: LONG BEACH, CA 90813
Site ID: 429233
CERS ID: 10604305
CERS Description: Chemical Storage Facilities

Violations:

Site ID: 429233
Site Name: G & J FORKLIFT
Violation Date: 12-20-2017
Citation: Un-Specified
Violation Description: Business Plan Program - Administration/Documentation - General Local Ordinance
Violation Notes: Returned to compliance on 12/20/2017. Observation: High piled storage without permit. Correction: Please submit plans and obtain permit for high piled storage or reduce all storage to below 12 feet.

Violation Division: Long Beach Environmental Health

SECTION 1: FACILITY DETAIL REPORTS

...Continued...

Violation Program: HMRRP
Violation Source: CERS

Site ID: 429233
Site Name: G & J FORKLIFT
Violation Date: 12-20-2017
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes: Returned to compliance on 01/10/2018. OBSERVATION: Failure to annually review and electronically certify that the business plan is complete, accurate, and up-to-date. CORRECTIVE ACTION: Annually review and electronically certify that the business plan is complete, accurate, and up-to-date.

Violation Division: Long Beach Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 429233
Site Name: G & J FORKLIFT
Violation Date: 08-08-2017
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes: Returned to compliance on 01/10/2018. OBSERVATION: Failure to annually review and electronically certify that the business plan is complete, accurate, and up-to-date. CORRECTIVE ACTION: Annually review and electronically certify that the business plan is complete, accurate, and up-to-date.

Violation Division: Long Beach Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 429233
Site Name: G & J FORKLIFT
Violation Date: 12-20-2017
Citation: Un-Specified
Violation Description: Business Plan Program - Administration/Documentation - General Local Ordinance
Violation Notes: Returned to compliance on 01/10/2018.
Violation Division: Long Beach Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 429233
Site Name: G & J FORKLIFT
Violation Date: 04-16-2019
Citation: 22 CCR 12 66262.40(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(a)
Violation Description: Failure to keep a copy of each properly signed manifest for at least three years from the date the waste was accepted by the initial transporter. The manifest signed at the time the waste was accepted for transport shall be kept until receiving a signed copy from the designated facility which received the waste.
Violation Notes: Returned to compliance on 05/21/2019. Three years of hazardous waste disposal documentation were not available at time of inspection. Please consolidate all previous hazardous waste documentation for used oil, used oil filters and used anti-freeze into one file to comply with this regulation. Re-inspection on or after 5/16/19.

Violation Division: Long Beach Environmental Health
Violation Program: HW
Violation Source: CERS

Site ID: 429233
Site Name: G & J FORKLIFT
Violation Date: 04-16-2019
Citation: HSC 6.11 25404(e)(4) - California Health and Safety Code, Chapter 6.11, Section(s) 25404(e)(4)
Violation Description: Failure to report program data electronically.
Violation Notes: Returned to compliance on 05/21/2019. All three elements of a Hazardous Materials Business Plan were last submitted on 1/5/18. The HMBP is overdue for its annual review and re-submittal to CERS. Please resubmit your HMBP on CERS ID#10604305 as soon as feasible. Call Inspector Erdman at 562-570-2581 for help on CERS if needed. This facility's user name is GJforklift899 on CERS.

Violation Division: Long Beach Environmental Health
Violation Program: HW
Violation Source: CERS

Site ID: 429233
Site Name: G & J FORKLIFT
Violation Date: 12-20-2017
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes: Returned to compliance on 01/10/2018.
Violation Division: Long Beach Environmental Health

SECTION 1: FACILITY DETAIL REPORTS

...Continued...

Violation Program: HMRRP
Violation Source: CERS

Site ID: 429233
Site Name: G & J FORKLIFT
Violation Date: 12-20-2017
Citation: Un-Specified
Violation Description: Business Plan Program - Administration/Documentation - General Local Ordinance
Violation Notes: Returned to compliance on 12/20/2017. Observation: Propane is not been stored or secured properly. Correction: Propane cylinders shall be stored in approved cages.

Violation Division: Long Beach Environmental Heath
Violation Program: HMRRP
Violation Source: CERS

Site ID: 429233
Site Name: G & J FORKLIFT
Violation Date: 08-08-2017
Citation: Un-Specified
Violation Description: Business Plan Program - Administration/Documentation - General Local Ordinance
Violation Notes: Returned to compliance on 12/20/2017. Provide NFPA 704 placard to propane cage and storage shed.

Violation Division: Long Beach Environmental Heath
Violation Program: HMRRP
Violation Source: CERS

Site ID: 429233
Site Name: G & J FORKLIFT
Violation Date: 08-08-2017
Citation: Un-Specified
Violation Description: Business Plan Program - Administration/Documentation - General Local Ordinance
Violation Notes: Returned to compliance on 12/20/2017. Lower all storage to below 12 feet or submit plans for high piled storage

Violation Division: Long Beach Environmental Heath
Violation Program: HMRRP
Violation Source: CERS

Evaluation:

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-14-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Routine inspection with no violations of a forklift repair facility.
Eval Division: Long Beach Environmental Heath
Eval Program: HW
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 11-14-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Long Beach Environmental Heath
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-20-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Routine inspection w/no violations of a forklift repair facility.
Eval Division: Long Beach Environmental Heath
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-20-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Long Beach Fire Department Hazardous Materials Specialist, Brian Erdman was on site to conduct a Hazardous Materials Business Plan inspection. The purpose of the HMBP is to assist the LBFD during an emergency response to this facility. Yahira Felix provided consent to conduct an inspection and tour of the facility. Any facility that stores Hazardous Materials at or above a reportable volume is required to complete an electronic HMBEP to the California Environmental Response System (CERS) at <https://l.calepa.ca.gov/>. The reportable volume for Hazardous Wastes / Materials or mixture is equal to or greater than 55 gallons of a liquid, 500 pounds of solid, or 200 cubic feet of a gas. The facility has the following Hazardous Materials being stored at a reportable volume:
-Transmission Fluid - Antifreeze - Propane -Motor oil (lubricating) -Waste Oil -Brake Fluid Zep Cleaner -Hydraulic Oil -Oxygen -Lead Acid Batteries -Waste Antifreeze The Hazardous [Truncated]

Eval Division: Long Beach Environmental Heath
Eval Program: HMRRP

SECTION 1: FACILITY DETAIL REPORTS

...Continued...

Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	05-21-2019
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Re-inspection with no violations of a forklift repair facility. Hazardous waste disposal documentation is available on site and a HMBP was accepted on CERS ID#10604305 on 4/20/19. A copy of this OIR was emailed to GJforklift@yahoo.com.
Eval Division:	Long Beach Environmental Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-01-2014
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Long Beach Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	12-20-2017
Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Progress noted on 12-20-2017; Please complete employee training and submit to California Environmental Reporting System (CERS). High Piled storage was reduced to lower than 12 feet.
Eval Division:	Long Beach Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-08-2017
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Long Beach Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	01-10-2018
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	All violations corrected from inspection report BIR 3481.
Eval Division:	Long Beach Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-16-2019
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Routine inspection with violations of a forklift repair facility. Please correct the following violations: 1) Three years of hazardous waste disposal documentation were not available at time of inspection. Please consolidate all previous hazardous waste documentation for used oil, used oil filters and used anti-freeze into one file to comply with this regulation. 2) All three elements of a Hazardous Materials Business Plan were last submitted on 1/5/18. The HMBP is overdue for its annual review and re-submittal to CERS. Please resubmit your HMBP on CERS ID#10604305 as soon as feasible. Call Inspector Erdman at 562-570-2581 for help on CERS if needed. This facility's user name is GJforklift899 on CERS. Re-inspection on or after 5/16/19. Failure to correct violations may result in a re-inspection fee and further enforcement action. A copy of this OIR was emailed to GJforklift@yahoo.com.
Eval Division:	Long Beach Environmental Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	11-01-2017
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Long Beach Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	11-15-2017
Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported

SECTION 1: FACILITY DETAIL REPORTS

...Continued...

Eval Division: Long Beach Environmental Heath
Eval Program: HMRRP
Eval Source: CERS

Coordinates:
Site ID: 429233
Facility Name: G & J FORKLIFT
Env Int Type Code: HWG
Program ID: 10604305
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 33.785130
Longitude: -118.202570

Affiliation:
Affiliation Type Desc: Legal Owner
Entity Name: G & J Forklift inc.
Entity Title: Not reported
Affiliation Address: 899 W COWLES ST
Affiliation City: LONG BEACH
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 90813
Affiliation Phone: (562) 437-5438

Affiliation Type Desc: CUPA District
Entity Name: Long Beach Environmental Heath
Entity Title: Not reported
Affiliation Address: 2525 Grand Avenue
Affiliation City: Long Beach
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90815
Affiliation Phone: (562) 570-4131

Affiliation Type Desc: Document Preparer
Entity Name: MARISOL FELIX
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Environmental Contact
Entity Name: Marisol Felix
Entity Title: Not reported
Affiliation Address: 899 W COWLES ST
Affiliation City: LONG BEACH
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90813
Affiliation Phone: Not reported

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 899 W COWLES ST
Affiliation City: LONG BEACH
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90813
Affiliation Phone: Not reported

Affiliation Type Desc: Identification Signer
Entity Name: MARISOL FELIX
Entity Title: vice president
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Operator
Entity Name: Marisol Felix
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (562) 437-5438

SECTION 1: FACILITY DETAIL REPORTS

...Continued...

Affiliation Type Desc: Parent Corporation
Entity Name: G & J FORKLIFT
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Property Owner
Entity Name: Eric Hanke
Entity Title: Not reported
Affiliation Address: 899 W COWLES ST
Affiliation City: LONG BEACH
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 90813
Affiliation Phone: (310) 418-2023

CERS HAZ WASTE:
Name: G & J FORKLIFT
Address: 899 W COWLES ST
City,State,Zip: LONG BEACH, CA 90813
Site ID: 429233
CERS ID: 10604305
CERS Description: Hazardous Waste Generator

HWTS:
Name: SEVEN STRAND TACKLE CORP
Address: 899 W COWLES ST
Address 2: Not reported
City,State,Zip: LONG BEACH, CA 908130000
EPA ID: CAD982446585
Inactive Date: 06/30/2006
Create Date: 04/05/1991
Last Act Date: 04/12/2011
Mailing Name: Not reported
Mailing Address: 729 W 16TH STREET A4
Mailing Address 2: Not reported
Mailing City,State,Zip: COSTA MESA, CA 926270000
Owner Name: BILL BUCHANAN
Owner Address: --
Owner Address 2: Not reported
Owner City,State,Zip: --, ME --
Contact Name: LAURIE HOCKER/OFFICE MANAGER
Contact Address: 899 W COWLES
Contact Address 2: Not reported
City,State,Zip: LONG BEACH, CA 908130000

NAICS:
EPA ID: CAD982446585
Create Date: 2004-10-20 10:23:57
NAICS Code: 33992
NAICS Description: Sporting and Athletic Goods Manufacturing
Issued EPA ID Date: 1991-04-05 00:00:00
Inactive Date: 2006-06-30 00:00:00
Facility Name: SEVEN STRAND TACKLE CORP
Facility Address: 899 W COWLES ST
Facility Address 2: Not reported
Facility City: LONG BEACH
Facility County: 19
Facility State: CA
Facility Zip: 908130000

RCRA-SQG:
Date form received by agency: 1996-09-01 00:00:00.0
Facility name: SEVEN STRAND TACKLE CORP
Facility address: 899 W COWLES ST
LONG BEACH, CA 90813
EPA ID: CAD982446585
Mailing address: W COWLES ST
LONG BEACH, CA 90813
Contact: Not reported
Contact address: Not reported
Not reported
Contact country: US
Contact telephone: Not reported

SECTION 1: FACILITY DETAIL REPORTS

...Continued...

Contact email: Not reported
EPA Region: 09
Land type: Facility is not located on Indian land. Additional information is not known.
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: BILL BUCHANAN
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

SECTION 2: DATABASES AND UPDATE DATES

To maintain currency of the following federal, state and local databases, EDR contacts the appropriate government agency on a monthly or quarterly basis as required.

Elapsed ASTM days: Provides confirmation that this report meets or exceeds the 90-day updating requirement of the ASTM standard.

DATABASES FOUND IN THIS REPORT

FINDS: Facility Index System/Facility Registry System

Source: EPA

Telephone: Not reported

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 11/22/2019
Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/03/2020
Date of Next Scheduled Update: 06/15/2020

CA HAZNET: Facility and Manifest Data

Source: California Environmental Protection Agency

Telephone: 916-255-1136

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method. This database begins with calendar year 1993.

Date of Government Version: 12/31/2017
Database Release Frequency: Annually

Date of Last EDR Contact: 04/15/2020
Date of Next Scheduled Update: 07/20/2020

ECHO: Enforcement & Compliance History Information

Source: Environmental Protection Agency

Telephone: 202-564-2280

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 01/05/2020
Database Release Frequency: Quarterly

Date of Last EDR Contact: 04/07/2020
Date of Next Scheduled Update: 07/20/2020

CA CERS: CERS

Source: California Environmental Protection Agency

Telephone: 916-323-2514

The CalEPA Regulated Site Portal database combines data about environmentally regulated sites and facilities in California into a single database. It combines data from a variety of state and federal databases, and provides an overview of regulated activities across the spectrum of environmental programs for any given location in California. These activities include hazardous materials and waste, state and federal cleanups, impacted ground and surface waters, and toxic materials

Date of Government Version: 01/21/2020
Database Release Frequency: Varies

Date of Last EDR Contact: 04/21/2020
Date of Next Scheduled Update: 08/03/2020

CA CERS HAZ WASTE: CERS HAZ WASTE

Source: CalEPA

Telephone: 916-323-2514

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

Date of Government Version: 01/21/2020
Database Release Frequency: Quarterly

Date of Last EDR Contact: 04/21/2020
Date of Next Scheduled Update: 08/03/2020

SECTION 2: DATABASES AND UPDATE DATES

...Continued...

CA HWTS: Hazardous Waste Tracking System

Source: Department of Toxic Substances Control

Telephone: 916-324-2444

The Hazardous Waste Tracking System (HWTS) is the Department of Toxic Substances Control's data repository for hazardous waste Identification (ID) numbers and manifest information.

HWTS generates reports on hazardous waste shipments for generators, transporters, and TSDFs.

Date of Government Version: 10/15/2019

Database Release Frequency: Varies

Date of Last EDR Contact: 03/26/2020

Date of Next Scheduled Update: 07/20/2020

RCRA-SQG: RCRA - Small Quantity Generators

Source: Environmental Protection Agency

Telephone: 703-308-8895

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 12/16/2019

Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/25/2020

Date of Next Scheduled Update: 07/06/2020



Appendix G

Resumes of Project Personnel

TYLER WATKINS

Education

BA – Geology, Carleton College, 2013



Specialty Certifications

OSHA 40-Hour HAZWOPER

SCAQMD Rule 403

OSHA 10 Construction

MSHA Mine Safety

Professional Experience

Ms. Watkins is a Project Professional with 5 years of experience in environmental remediation and compliance. She is responsible for Phase I and II Environmental Site Assessments (ESAs), multimedia sampling and reporting (soil, groundwater, surface water, sediment, soil vapor, air), as well as compliance monitoring, permitting, document preparation, and proposals. She works directly with our local clients and regulatory agencies, ensuring timeliness of reports and compliance.

Ms. Watkins' previous experience includes field investigations and report production involving groundwater monitoring, perfluorooctanoic acid (PFAS) sample collection, excavation events related to South Coast Air Quality Management District (SCAQMD) Rule 1466 monitoring, preparation of sampling plans for Phase II investigations, stormwater inspections and reporting, and related field activities. She has developed a conceptual site model to request closure for a service station site, and has overseen contractors in a variety of field activities, including Organochlorine pesticides (OCP) testing in school sites, aerially deposited lead surveys, and soil vapor monitoring. She has conducted site investigations related to federal and state hazardous waste; produced reports for review by oversight agencies such as the Regional Water Quality Control Board (RWQCB), CalTrans, and California Department of Toxic Substances Control (DTSC); prepared Phase I ESA reports; and logged and sampled soil using boring techniques that included sonic drilling, hand auger, and direct push equipment. She has also overseen Phase II projects, and coordinated the installation and abandonment of wells, including obtaining permits, contact with subcontractors, and field oversight. She also has expertise in soil vapor well installation and monitoring.

Ms. Watkins is proficient in Microsoft Office, Adobe Illustrator, Adobe Photoshop, Canvas, and gINT.

Recent experience includes:

Phase I ESAs. Ms. Watkins has contributed to Phase I ESAs completed in accordance with various lender, American Society for Testing and Materials (ASTM), or government guidelines. Activities consisted of evaluating current and past on-site operations, generating historical property use information, identifying potentially contaminated sites in the surrounding areas, reviewing previous reports and/or files maintained by regulatory agencies, and developing conclusions regarding the presence of Recognized Environmental Conditions (RECs) and recommendations for further investigation.

Site Investigations. Ms. Watkins has conducted soil gas surveys and soil sampling with precision mapping of sites, installation of soil borings, lithologic logging, collection of soil samples, and

evaluation of subsurface contaminants in soil and groundwater in accordance with regulatory agency requirements or generally accepted guidelines.

Quarterly and Semiannual Groundwater Monitoring Reports. Ms. Watkins has assisted in the preparation of numerous routine monitoring reports for various sites with oversight of various regulatory agencies. Facilities have included various landfills across California as well as manufacturing sites.

Oversight Activities, Various Excavation Sites, CA. Ms. Watkins has served as a field technician for excavation activities at various sites throughout Southern California. Her responsibilities have included ambient air monitoring, confirmation sampling of excavated areas, oversight of truck loading, and implementation of fugitive dust control.

San Onofre Nuclear Generating Station. Ms. Watkins worked with DTSC and the Navy to characterize site conditions through groundwater well installation and monitoring, soil vapor well installation and monitoring, sampling of surface sediments, and waste characterization. Ms. Watkins oversaw the installation of 20 groundwater monitoring wells using sonic drilling techniques.

School Site Investigations. Ms. Watkins has assisted with school site investigations for the Long Beach Unified School District, including methane monitoring, excavation oversight, indoor air monitoring, and confirmation sampling for demolition activities. She worked closely with the Long Beach Unified School District and regulatory agencies to complete assessments and reports.

Lennar Real Estate. Ms. Watkins' experience includes conducting stormwater inspections and implementation of Best Management Practices (BMPs). She has prepared Stormwater Pollution Prevention Plans (SWPPPs) and quarterly as well as annual stormwater reports, and has given presentations regarding the implementation of BMPs.

Geotechnical Investigations. Ms. Watkins has experience in geotechnical investigations, including installing inclinometers at landfill sites and collecting soil samples for compaction testing.

Keck Summer Research, Sutton, AK. Ms. Watkins worked as a research assistant in Sutton, AK, collecting physical and biological samples that were later used to determine the depositional environment of the Chickaloon Formation.

J. JUSTIN RAUZON, REPA

Education

MEM – Environmental Management, Duke University, 2014

BS – Zoology (Double Emphasis: Human and Marine Biology), Brigham Young University, 2004



Justin Rauzon, REPA

Professional Licenses

Registered Environmental Property Assessor (REPA), National Registry of Environmental Professionals (No. 485639)

Specialty Certifications

OSHA 40-Hour Health and Safety Training for Hazardous Waste Workers

8-Hour Annual Refresher Training for Hazardous Waste Site Activities

OSHA 16-Hour Initial Asbestos Operations and Maintenance Training

Thermo Scientific Niton XRF Analyzer Operator's Training

First-Aid and CPR Training

Professional Affiliations

National Ground Water Association, Member (2015 to Present)

Professional Experience

Mr. Rauzon has more than 15 years of environmental services experience, all with SCS. Fluent in Spanish, Mr. Rauzon is an SCS Project Manager with a diverse background in biological and environmental sciences, and regularly performs environmental assessments and compliance audits at sites in the U.S. and in Latin America. He has technical and management experience with soil, soil vapor, and groundwater investigations at industrial, commercial, landfill, greenfield, and residential properties. He has extensive experience with environmental laws and regulations in both the U.S. and Mexico. His work experience includes all project phases, from development of cost estimates for various site assessment and cleanup programs to implementing remediation programs and interfacing with regulatory agencies.

Selected projects in which he has participated are described below.

Environmental Management

Due diligence assessments of properties prior to real estate transfer of properties in California, Arizona, New Jersey, Mexico, Puerto Rico, and the Dominican Republic. Mr. Rauzon has completed numerous due diligence assessments of properties prior to acquisition, disposition, or loan financing by investment banks, insurance companies, corporations, non-profit entities, real estate developers, and private parties. Projects have included Phase I assessments that meet federal All Appropriate Investigation (AAI) regulations, American Society for Testing and Materials

(ASTM) standards, and client-specific guidelines; inspections for asbestos and lead-based paint; Phase II investigations; preparation of abatement and remediation cost estimates; and regulatory agency coordination. These projects frequently involve review of previous environmental reports and investigation of current and past on-site operations, regulatory agency records searches, evaluation of historical property use information, identification of nearby potentially contaminated sites, and development of appropriate conclusions about environmental risks. Investigations involve preparation of work plans, soil boring and subsequent sampling, groundwater well installation and sampling, soil gas probe installation and sampling, precision mapping, evaluation of contaminants in accordance with regulatory requirements or generally accepted guidelines, preparation of investigation report, and analysis of applicable remedial alternatives. Mr. Rauzon has served as the Project Manager for sites that have received regulatory closure from various regulatory agencies.

Planning, coordinating, and supervising remedial actions that included excavation, transport, and disposal of contaminated soils and water. Investigations involve preparation of Remedial Action Plans (RAPs), direction of fieldwork, oversight of confirmatory sampling, and interfacing with regulatory agencies.

The characterization of hazardous waste materials. These projects include collection of soil and/or liquid samples to profile the waste materials, interpretation of laboratory results, and evaluation of disposal/recycling options to minimize the costs and liabilities to clients associated with the removal of wastes.

Assessment and certification of hazardous waste tank systems. These investigations involve working with a Professional Engineer to complete field inspections of hazardous waste tanks, associated ancillary equipment, leak-detection systems, and secondary containment devices, as well as interfacing with regulatory agencies.

Project Management

Project Manager for due diligence investigation of a portfolio with more than 300 industrial sites throughout Mexico. SCS services included conducting Phase I and Phase II environmental assessments within the strict timeline of the \$1.2 billion industrial real estate transaction. Subsequent to the closing of the deal, SCS provided ongoing consulting services to facilitate integration and management of various facilities with ongoing environmental issues.

Project Manager for hazardous materials consulting services in support of the State Route 91 Corridor Improvement Project in Orange and Riverside Counties, CA. SCS services included sampling and inventory of potentially hazardous materials associated with more than 25 bridges along the SR-91 and I-15 freeways; environmental assessments on properties within the proposed freeway expansion area; and soil testing for herbicides, pesticides, and fungicides on several land parcels.

Project Manager for investigation and remediation of industrial facility located in Fontana, CA. SCS conducted a series of environmental assessments, investigations, and remedial activities that provided sufficient information to identify environmental issues and business risks, and facilitate the client's successful purchase of property. A number of recognized environmental conditions, including releases of coal tar, solvents, heavy metals, and total petroleum hydrocarbons, were identified. Project activities conducted during the acquisition and redevelopment of the property included shallow and deep soil and soil vapor investigations; installation of groundwater monitoring wells and subsequent groundwater sampling; subsequent remedial excavation under San Bernardino County Fire Department (SBCFD) oversight to obtain closure; and excavation and off-site disposition of contaminated soil.

Health and Safety

Mr. Rauzon has participated in a certified health and safety program in compliance with OSHA Standard 29 CFR 1910.120. He is knowledgeable in incident response operations, team functions, personnel safety, and field equipment. He is able to recognize and evaluate potential chemical and physical hazards and associated risks in field operations; discuss and use personal protective equipment (PPE), such as respiratory protection and protective clothing; use and interpret direct-reading instruments; and examine and establish Standard Operating Safety Guidelines to ensure safe and effective response operations.

Publications

Rauzon, J. J., "Mexico: Environmental Due Diligence and the Mexican Waste Law," EHS Journal, November 13, 2010.

ASHLEY P. HUTCHENS, REPA, CESCO

Education

BS – Environmental Science (emphasis in Biology), Minor in Chemistry, University of North Carolina, Wilmington, 2000

Professional Licenses

Registered Environmental Property Assessor (REPA) National Registry of Environmental Professionals (No. 940424)

Certified Environmental and Safety Compliance Officer (CESCO), National Registry of Environmental Professionals (No. 130958)



*Ashley Hutchens,
REPA, CESCO*

Professional Affiliations

Urban Land Institute (ULI), Member (2017 to Present)

Association for Environmental Health of Soils, Member (2015 to Present)

Professional Environmental Marketing Association (PEMA), Member (2011 to 2017)

Professional Experience

Ms. Hutchens has over 18 years of environmental services experience, all with SCS. She has extensive experience in property evaluation and due diligence; site assessment, characterization, and remediation; vapor intrusion assessment and mitigation; and hazardous waste management. As a Vice President of SCS, she currently leads the Environmental Services Practice for the Long Beach and Las Vegas offices. She has led hundreds of projects, including all phases, from the development of cost estimates for site assessment, mitigation, and remediation, to groundwater monitoring and sampling, preparation and review of final reports, interfacing with regulatory agencies, and management of all aspects of projects, staff, and various subcontractors.

Project activities include:

- Involvement with numerous Phase I Environmental Site Assessments (ESAs) completed in accordance with various lender, American Society for Testing and Materials (ASTM), or government guidelines. Activities consisted of evaluating current and past on-site operations, generating historical property use information, identifying potentially contaminated sites in the surrounding areas, reviewing previous reports and/or files maintained by regulatory agencies, and developing conclusions regarding the presence of Recognized Environmental Conditions (RECs) and recommendations for further investigation. Project sites have varied from private single-use residential or commercial parcels, properties involving multiple tenants, and large portfolio of sites associated with state and local government right-of-way improvements.
- Involvement with numerous investigations of known or suspected hazardous waste sites to identify and characterize chemicals of concern in soil, soil vapor, and groundwater in accordance with regulatory requirements. Contaminants include a variety of hydrocarbon products, solvents, heavy metals, polychlorinated biphenyls, and pesticides. Activities

included preparation of workplans, conduct of soil vapor surveys, installation of soil borings and subsequent sampling, and evaluation of applicable remedial alternatives.

- Groundwater well installation and monitoring. Projects involved collection of soil and groundwater samples, installation and development of groundwater wells, evaluation of subsurface contaminants in groundwater in accordance with regulatory requirements or generally accepted guidelines, and evaluation of groundwater remediation alternatives.
- Involvement with numerous soil vapor and sub-slab surveys to assess the presence, nature, and extent of volatile organic compounds (VOCs) and/or methane related to contaminated soils, groundwater, and/or landfills. Elements of these projects included evaluation of vapor intrusion, site specific slab attenuation studies, protection of structures from subsurface vapors, monitoring of indoor air, and health risk assessments (HRAs).
- Numerous projects related to the removal, investigation, and remediation of contamination leaking from underground storage tanks (USTs). In accordance with requirements of the various regulatory agencies throughout Southern California, these UST projects have included soil, soil vapor, and groundwater contamination, and such tasks as evaluation of site and regional hydrogeologic conditions; development of workplans and health and safety plans; coordination and completion of tank removals; design of investigative programs; review and selection of potential remedial alternatives; and preparation of summary reports of findings.
- Oversight of projects involving installation of landfill gas mitigation systems and monitoring wells, including lithologic logging and design quality assurance (QA) at numerous landfills across Southern California.
- Characterization of hazardous waste materials, including collection of soil and/or liquid samples to profile waste materials, interpretation of laboratory results, and evaluation of disposal/recycling options to minimize costs and liabilities to clients associated with the removal of wastes.
- Planning, coordination, and supervision of remedial actions that included excavation, transport, and disposal of contaminated soils; soil vapor extraction (SVE); groundwater injection, etc. Work has included preparation of Remedial Action Plans (RAPs), direction of confirmatory sampling, interfacing with regulatory agencies, and community outreach/notification.

Representative Project Experience

Due Diligence, Brownfields, and Redevelopment

Investigation and Remediation for Industrial Facility Redevelopment, Commerce, CA. SCS conducted a series of environmental assessments, investigations, and remedial activities that provided sufficient information to identify the environmental issues, and business risks to facilitate the client's successful purchase of property for redevelopment to a commercial warehouse and office. A number of RECs, including former and existing unpermitted underground fuel storage tanks, were identified. As Project Manager, Ms. Hutchens managed numerous activities conducted concurrently with the redevelopment of the property, including shallow and deep soil and soil vapor investigations; installation of groundwater monitoring wells and subsequent groundwater sampling;

installation of an SVE network; permitting and removal of known and unknown USTs; remedial excavation with oversight by the Los Angeles County Fire Department (LACFD) to obtain closure for USTs; and installation of the SVE network. SVE was initiated during redevelopment and continued for several years under Regional Water Quality Control Board (RWQCB) oversight until SCS obtained closure under the Low-Threat UST Case Closure Policy (LTCP) through the State Water Resources Control Board (SWRCB).

Site Assessment of 37-Acre Industrial Site, Glendale, CA. SCS conducted expedited due diligence assessment of a large industrial site, including Phase I and Phase II Investigation services. She developed a scope of work to investigate various historical operations that had potential to impact the subsurface. The site was located in a Superfund area, where a determination that the site was not a contributor to impacted groundwater was imperative. Investigation included soil and soil vapor sampling, as well as wipe sampling of hydraulic fluids associated with various equipment for analysis of polychlorinated biphenyls (PCBs), in order to evaluate disposal costs. Upon purchase by the client, Ms. Hutchens managed the removal of USTs and clarifiers, to allow for successful redevelopment of the property by the client.

Retirement Housing Foundation, Site Investigation and Remedial Activities, Los Angeles, CA. As follow-up to a Phase I ESA performed on the property, soil and soil vapor investigations were completed to assess the potential for releases of heavy metals and VOCs based on historical operations at the property. As Project Manager, Ms. Hutchens managed investigation activities that indicated elevated tetrachloroethylene (PCE) and lead in the subsurface exceeding regulatory guidelines. Remediation of the lead-impacted soils was conducted under LACFD oversight. An evaluation of the health risk from PCE in the subsurface was conducted, and site closure with respect to PCE and lead in the subsurface was approved by LACFD, facilitating the client's submittal for funding and the subsequent construction of a retirement housing development.

Due Diligence Investigations of Manufacturing Facility, Torrance, CA. SCS conducted a series of assessments, including a Phase I ESA and various site investigations that provided sufficient information to identify the environmental issues and business risks and to facilitate the client's successful sale of the property. A number of RECs, including former and existing underground fuel storage tanks, a machine shop, wastewater treatment sumps and a clarifier, chemical storage, and chlorinated solvent degreasing operations, were identified. As Project Manager, Ms. Hutchens managed activities that included shallow and deep soil and soil vapor investigations, groundwater sampling, a geophysical survey and excavations to find an existing diesel UST previously closed in place, removal of the UST, remedial excavations under Torrance Fire Department oversight to obtain UST closure, a workplan submitted to the Los Angeles RWQCB, installation of an SVE system and monitoring wells, a long-term SVE pilot test, an SVE Pilot Test Report, and recommendations for further SVE.

City of Irwindale, CA. A new commercial warehousing development was proposed for a parcel of land associated with historical uses identified during a Phase I ESA the resulting in the potential for hazardous material releases. Ms. Hutchens conducted and managed Phase II investigations to assess soil and soil vapor at the site. Additionally, she conducted wipe sampling in a section of one building for methamphetamines where a clandestine drug laboratory was documented. Ms. Hutchens worked with the seller of the site, followed by the purchaser, to assist in a successful property transaction.

Former Boeing C-17 Facility. Ms. Hutchens served as Project Manager for assessment of the former Boeing C-17 facility in Long Beach. The assessment included evaluation of numerous comprehensive documents completed as part of the assessment and closure of the former military aircraft

manufacturing facility and preparation of a Phase I ESA. The project resulted in the successful transfer of real estate to our client.

Malibu Civic Center, Limited Phase I ESA for Proposed Wastewater Treatment Facility, Malibu, CA.

Ms. Hutchens served as Project Manager for the assessment of a proposed expansion to a wastewater treatment facility in Malibu, CA. The assessed area consisted of an approximately 1- by 2-mile project area with a Wastewater Treatment Plant (WTP), two injection well areas, six pump stations, and numerous piping runs within city streets. For the Limited Phase I ESA, the WTP, injection well areas, and pump station areas were inspected to identify possible RECs. Historical review was conducted for each of the project areas. In addition, a database search of known sites with reported releases was conducted. Potential RECs within the project area were identified and reported, including leaking USTs, solvent use, dry cleaners, and other release sites.

EPA Brownfields Assessment Grant, Coalition Community-Wide Assessment in California. Under an EPA Coalition Community-Wide Brownfields Assessment Grant, Ms. Hutchens has led ongoing Phase I ESAs in accordance with the AAI standard and ASTM E1527-2013 Standards. The work includes providing technical assistance for the uploading of reports and data to the EPA's Assessment, Cleanup, and Redevelopment Exchange System (ACRES database).

Site Assessment and Remediation

Assessment and Remediation of Numerous Former Dry Cleaning Facilities, Los Angeles and Orange Counties, CA. Investigations were completed at numerous active and former dry cleaning facilities to assess the potential for releases of solvents. As Project Manager, Ms. Hutchens conducted various investigations that included soil vapor assessments, collection of bulk soil samples, groundwater well installation and monitoring, indoor air sampling, and evaluation of indoor air intrusion risks. Additional evaluations were completed to define the extent of the plume and obtain information to evaluate remedial alternatives. Implemented remedial measures included excavation, SVE, monitored natural attenuation (MNA), in situ groundwater remediation, vapor intrusion mitigation, and risk management. One project included installation of an interim vapor intrusion control system (IVICS), which was installed to introduce sub-slab depressurization to reduce indoor air intrusion risks from a former dry cleaner release. The IVICS was installed on an expedited basis at the request of the client until further investigation could be conducted for design of a full-scale remediation system. Ms. Hutchens coordinated and permitted investigation and remediation efforts through the various regulatory oversight agencies.

City of El Monte, Environmental Investigations, Methane Monitoring, and Remedial Action, El Monte, CA. SCS conducted several phases of work for the redevelopment of property in El Monte, a portion of which overlies a former burn dump. SCS worked with the Department of Toxic Substances Control (DTSC) to obtain and implement an approved Remedial Action Workplan (RAW), which required a public comment period and California Environmental Quality Act (CEQA) review to allow redevelopment of the property for residential use. As Project Manager, Ms. Hutchens applied for a permit to excavate the former burn dump with the South Coast Air Quality Management District (SCAQMD) on behalf of the owner and developer of the site. With the permit in place, SCS provided oversight of excavation activities as development activities commenced. In addition, methane monitoring was conducted to monitor for the presence of methane as a result of the former dumping activities. Ms. Hutchens prepared a Remedial Action Completion Report (RACR) and worked with DTSC to get closure for portions of the property that will undergo development in the near future. She continues to work with the Lead Enforcement Agency (LEA) and the California Department of Resources Recycling and Recovery (CalRecycle) to provide long-term probe monitoring for the network, to observe the former dump area after the development is complete.

Assessment and Remediation, Shopping Center, Stanton, CA. Ms. Hutchens led numerous rounds of investigation, including soil, soil vapor, and groundwater sampling, to fully characterize on- and off-site impacts associated with a release of PCE into the subsurface from dry cleaning operations. Assessment expanded into numerous tenant spaces within the shopping center. Investigation findings determined multiple PCE release areas causing impacts to shallow groundwater. Groundwater impacts were determined to extend approximately 650 feet from the release area(s), and PCE was determined to be off-gassing into soil, creating an elongated soil vapor plume mimicking groundwater and extending towards an adjacent residential area. Working with oversight by the Orange County Health Care Agency (OCHCA) and Santa Ana RWQCB, Ms. Hutchens prepared several RAPs and managed remedial actions, including remedial excavation inside two tenant spaces (using a slot cut method for structural support), downgradient groundwater barrier injection, and an SVE pilot test. To reduce impact to tenants within the shopping center, Ms. Hutchens arranged for soil excavation activities to be conducted overnight, requiring community outreach to the adjacent neighborhood and noise abatement and monitoring.

Investigation and Abatement of Pesticide-Impacted Soil, Oxnard, CA. In response to recommendations within a Phase I Environmental Assessment and Soil Sampling report prepared by another consultant for a property proposed for residential development, Ms. Hutchens managed the remediation of elevated concentrations of toxaphene detected in the soil. The project involved working with the Ventura County Environmental Health Department (EHD) to develop an abatement approach and goals which resulted in closure issued by the EHD.

Hazardous Waste/Materials Evaluation and Management

Environmental Property Evaluation, Whitewright, TX. As Project Manager, Ms. Hutchens conducted an evaluation of the blast pressure that may have resulted from an accidental explosion of ammonium nitrate stored at a facility near a proposed multi-family housing complex. The evaluation was conducted to determine if the proposed housing site would be affected by such an explosion. The evaluation included review of Housing and Urban Development (HUD) guidelines to meet separation distance standards and other state/local multifamily rules, ammonium nitrate explosion and trinitrotoluene (TNT) equivalent evaluation, and calculation of the blast zone radius.

Health and Safety

Ms. Hutchens has participated in a certified health and safety program in compliance with OSHA Standard 29 CFR 1910.120. She is knowledgeable in incident response operations, team functions, personnel safety, and field equipment. She is able to recognize and evaluate potential chemical and physical hazards associate risks in field operations; discuss and use Personal Protective Equipment (PPE), such as respiratory protection and protective clothing; use and interpret direct-reading instruments; and examine and establish Standard Operating Safety Guidelines (SOSG) to ensure safe and effective response operations.

APPENDIX H

NOISE IMPACT ANALYSIS

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San Francisco Avenue

NOISE IMPACT ANALYSIS

CITY OF LONG BEACH

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AUGUST 18, 2021

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LIST OF ABBREVIATED TERMS

(1)	Reference
ADT	Average Daily Traffic
ANSI	American National Standards Institute
Calveno	California Vehicle Noise
CEQA	California Environmental Quality Act
CNEL	Community Noise Equivalent Level
dBA	A-weighted decibels
EPA	Environmental Protection Agency
FHWA	Federal Highway Administration
FTA	Federal Transit Administration
INCE	Institute of Noise Control Engineering
L_{eq}	Equivalent continuous (average) sound level
L_{max}	Maximum level measured over the time interval
L_{min}	Minimum level measured over the time interval
mph	Miles per hour
OPR	Office of Planning and Research
PPV	Peak particle velocity
Project	San Francisco Avenue
REMEL	Reference Energy Mean Emission Level
RMS	Root-mean-square
VdB	Vibration Decibels

EXECUTIVE SUMMARY

Urban Crossroads, Inc. has prepared this noise study to determine the potential noise impacts and the necessary noise mitigation measures, if any, for the proposed San Francisco Avenue development ("Project"). The Project site is located on the southwest corner of San Francisco Avenue and Anaheim Street in the City of Long Beach. The Project is to consist of two buildings totaling 123,595 square feet of warehousing and general light industrial use.

The results of this San Francisco Avenue Noise Impact Analysis are summarized below based on the significance criteria in Section 4 of this report consistent with Appendix G of the California Environmental Quality Act (CEQA) Guidelines (1). Table ES-1 shows the findings of significance for each potential noise and/or vibration impact under CEQA.

TABLE ES-1: SUMMARY OF CEQA SIGNIFICANCE FINDINGS

Analysis	Report Section	Significance Findings	
		Unmitigated	Mitigated
Operational Noise	7	<i>Less Than Significant</i>	-
Construction Noise	8	<i>Less Than Significant</i>	-
Construction Vibration		<i>Less Than Significant</i>	-

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1 INTRODUCTION

This noise analysis has been completed to determine the noise impacts associated with the development of the proposed San Francisco Avenue ("Project"). This noise study briefly describes the proposed Project, provides information regarding noise fundamentals, sets out the local regulatory setting, presents the study methods and procedures for noise and vibration analysis, and evaluates the future exterior noise environment.

1.1 SITE LOCATION

The proposed San Francisco Avenue site is located on the southwest corner of San Francisco Avenue and Anaheim Street in the City of Long Beach, as shown on Exhibit 1-A. Existing land uses near the site include nearby noise-sensitive residences located east and southeast of the Project site. The Los Angeles River is located to the west of the Project site.

1.2 PROJECT DESCRIPTION

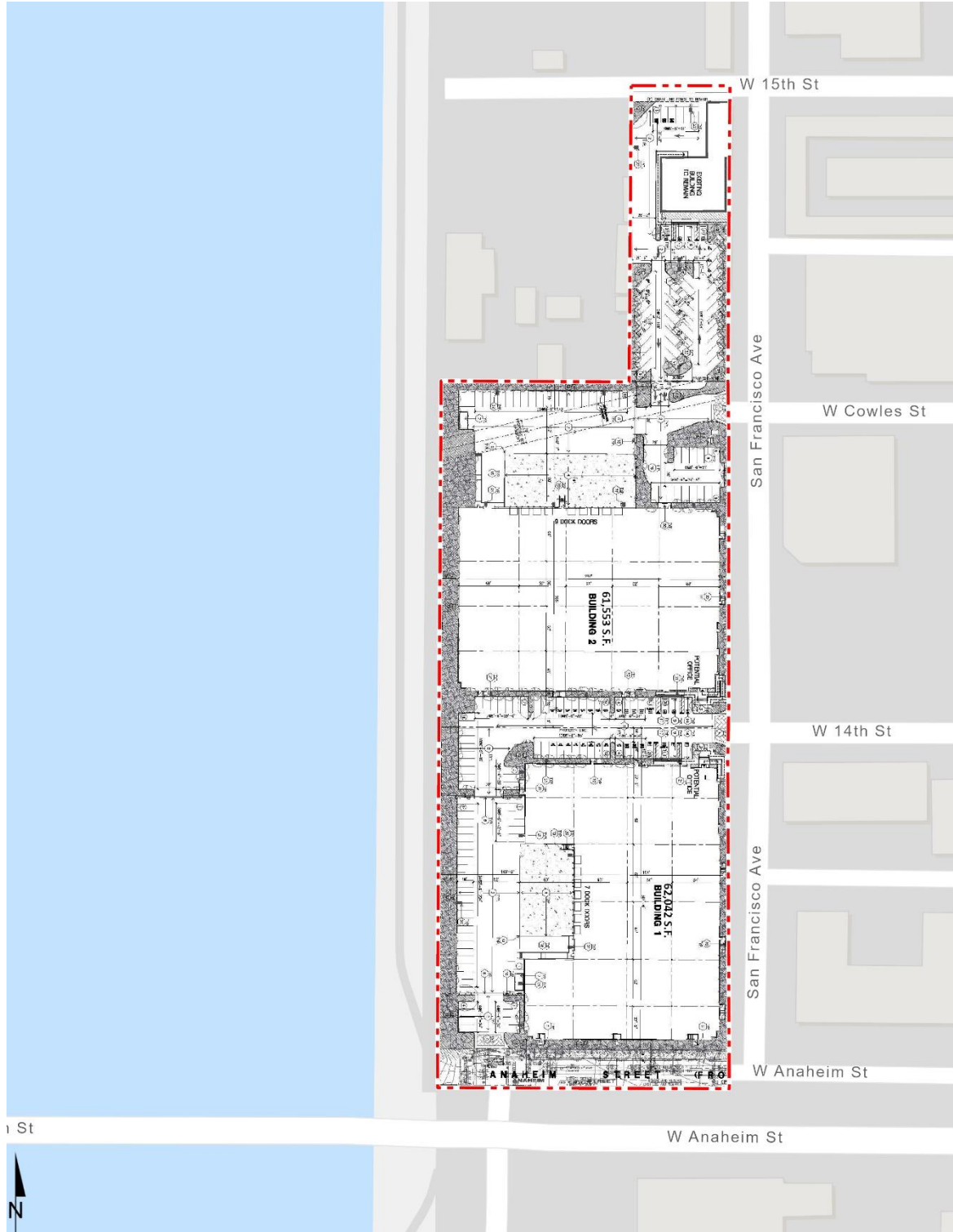
The proposed Project is to consist of two warehouse buildings totaling 123,595 square feet (sf) with Building 1 at 62,042 square feet, Building 2 at 61,553 square feet, and an existing 5,827 square foot building (to remain) as shown on Exhibit 1-B. For the purposes of this assessment, the mix of uses for the Project is assumed to consist of 61,797 square feet of warehousing use (no less than 50% warehousing use anticipated) and 61,798 square feet of general light industrial use (remaining 50% of the total square footage). The Project is anticipated to be open by the year 2022.

The on-site Project-related noise sources are expected to include: loading dock activity, truck movements, roof-top air conditioning units, parking lot vehicle movements, and trash enclosure activity. This noise analysis is intended to describe the noise level impacts associated with the expected typical operational activities at the Project site.

Per the *San Francisco Avenue Trip Generation Assessment* prepared by Urban Crossroads, Inc. the Project is expected to generate a total of approximately 416 trip-ends per day (actual vehicles) and includes 56 truck trip-ends per day. (2) This noise study relies on the actual Project trips (as opposed to the passenger car equivalents) to accurately account for the effect of individual truck trips on the study area roadway network.



EXHIBIT 1-B: SITE PLAN



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2 FUNDAMENTALS

Noise is simply defined as "unwanted sound." Sound becomes unwanted when it interferes with normal activities, when it causes actual physical harm or when it has adverse effects on health. Noise is measured on a logarithmic scale of sound pressure level known as a decibel (dB). A-weighted decibels (dBA) approximate the subjective response of the human ear to broad frequency noise source by discriminating against very low and very high frequencies of the audible spectrum. They are adjusted to reflect only those frequencies which are audible to the human ear. Exhibit 2-A presents a summary of the typical noise levels and their subjective loudness and effects that are described in more detail below.

EXHIBIT 2-A: TYPICAL NOISE LEVELS

COMMON OUTDOOR ACTIVITIES	COMMON INDOOR ACTIVITIES	A - WEIGHTED SOUND LEVEL dBA	SUBJECTIVE LOUDNESS	EFFECTS OF NOISE
THRESHOLD OF PAIN		140	INTOLERABLE OR DEAFENING	HEARING LOSS
NEAR JET ENGINE		130		
		120		
JET FLY-OVER AT 300m (1000 ft)	ROCK BAND	110		
LOUD AUTO HORN		100	VERY NOISY	
GAS LAWN MOWER AT 1m (3 ft)		90		
DIESEL TRUCK AT 15m (50 ft), at 80 km/hr (50 mph)	FOOD BLENDER AT 1m (3 ft)	80		
NOISY URBAN AREA, DAYTIME	VACUUM CLEANER AT 3m (10 ft)	70	LOUD	SPEECH INTERFERENCE
HEAVY TRAFFIC AT 90m (300 ft)	NORMAL SPEECH AT 1m (3 ft)	60		
QUIET URBAN DAYTIME	LARGE BUSINESS OFFICE	50	MODERATE	SLEEP DISTURBANCE
QUIET URBAN NIGHTTIME	THEATER, LARGE CONFERENCE ROOM (BACKGROUND)	40		
QUIET SUBURBAN NIGHTTIME	LIBRARY	30	FAINT	NO EFFECT
QUIET RURAL NIGHTTIME	BEDROOM AT NIGHT, CONCERT HALL (BACKGROUND)	20		
	BROADCAST/RECORDING STUDIO	10	VERY FAINT	
LOWEST THRESHOLD OF HUMAN HEARING	LOWEST THRESHOLD OF HUMAN HEARING	0		

Source: Environmental Protection Agency Office of Noise Abatement and Control, *Information on Levels of Environmental Noise Requisite to Protect Public Health and Welfare with an Adequate Margin of Safety* (EPA/ONAC 550/9-74-004) March 1974.

2.1 RANGE OF NOISE

Since the range of intensities that the human ear can detect is so large, the scale frequently used to measure intensity is a scale based on multiples of 10, the logarithmic scale. The scale for measuring intensity is the decibel scale. Each interval of 10 decibels indicates a sound energy ten times greater than before, which is perceived by the human ear as being roughly twice as loud (3). The most common sounds vary between 40 dBA (very quiet) to 100 dBA (very loud). Normal conversation at three feet is roughly at 60 dBA, while loud jet engine noises equate to 110 dBA

at approximately 100 feet, which can cause serious discomfort (4). Another important aspect of noise is the duration of the sound and the way it is described and distributed in time.

2.2 NOISE DESCRIPTORS

Environmental noise descriptors are generally based on averages, rather than instantaneous, noise levels. The most used figure is the equivalent level (L_{eq}). Equivalent sound levels are not measured directly but are calculated from sound pressure levels typically measured in A-weighted decibels (dBA). The equivalent sound level (L_{eq}) represents a steady state sound level containing the same total energy as a time varying signal over a given sample period (typically one hour) and is commonly used to describe the “average” noise levels within the environment.

To describe the time-varying character of environmental noise, the statistical or percentile noise descriptors L_{50} , L_{25} , L_8 and L_2 , are commonly used. The percentile noise descriptors are the noise levels equaled or exceeded during 50 percent, 25 percent, 8 percent and 2 percent of a stated time. Sound levels associated with the L_2 and L_8 typically describe transient or short-term events, while levels associated with the L_{50} describe the steady state (or median) noise conditions. The relies on the percentile noise levels to describe the stationary source noise level limits. While the L_{50} describes the noise levels occurring 50 percent of the time, the L_{eq} accounts for the total energy (average) observed for the entire hour.

Peak hour or average noise levels, while useful, do not completely describe a given noise environment, however. Noise levels lower than peak hour may be disturbing if they occur during times when quiet is most desirable, namely evening and nighttime (sleeping) hours. To account for this, the Community Noise Equivalent Level (CNEL), representing a composite 24-hour noise level is utilized. The CNEL is the weighted average of the intensity of a sound, with corrections for time of day, and averaged over 24 hours. The time-of-day corrections require the addition of 5 decibels to dBA L_{eq} sound levels in the evening from 7:00 p.m. to 10:00 p.m., and the addition of 10 decibels to dBA L_{eq} sound levels at night between 10:00 p.m. and 7:00 a.m. These additions are made to account for the noise sensitive time periods during the evening and night hours when sound appears louder. CNEL does not represent the actual sound level heard at any time, but rather represents the total sound exposure. The City of Long Beach relies on the 24-hour CNEL level to assess land use compatibility with transportation related noise sources.

2.3 SOUND PROPAGATION

When sound propagates over a distance, it changes in level and frequency content. Based on guidance from the U.S. Department of Transportation, Federal Highway Administration (FHWA), Office of Environment and Planning, Noise and Air Quality Branch, the way noise reduces with distance depends on the following factors.

2.3.1 GEOMETRIC SPREADING

Sound from a localized source (i.e., a stationary point source) propagates uniformly outward in a spherical pattern. The sound level attenuates (or decreases) at a rate of 6 dB for each doubling of distance from a point source. Highways consist of several localized noise sources on a defined

path and hence can be treated as a line source, which approximates the effect of several point sources. Noise from a line source propagates outward in a cylindrical pattern, often referred to as cylindrical spreading. Sound levels attenuate at a rate of 3 dB for each doubling of distance from a line source (3).

2.3.2 GROUND ABSORPTION

The propagation path of noise from a highway to a receiver is usually very close to the ground. Noise attenuation from ground absorption and reflective wave canceling adds to the attenuation associated with geometric spreading. Traditionally, the excess attenuation has also been expressed in terms of attenuation per doubling of distance. This approximation is usually sufficiently accurate for distances of less than 200 feet. For acoustically hard sites (i.e., sites with a reflective surface between the source and the receiver, such as a parking lot or body of water), no excess ground attenuation is assumed. For acoustically absorptive or soft sites (i.e., those sites with an absorptive ground surface between the source and the receiver such as soft dirt, grass, or scattered bushes and trees), an excess ground attenuation value of 1.5 dB per doubling of distance is normally assumed. When added to the cylindrical spreading, the excess ground attenuation results in an overall drop-off rate of 4.5 dB per doubling of distance from a line source (5).

2.3.3 ATMOSPHERIC EFFECTS

Receivers located downwind from a source can be exposed to increased noise levels relative to calm conditions, whereas locations upwind can have lowered noise levels. Sound levels can be increased at large distances (e.g., more than 500 feet) due to atmospheric temperature inversion (i.e., increasing temperature with elevation). Other factors such as air temperature, humidity, and turbulence can also have significant effects (3).

2.3.4 SHIELDING

A large object or barrier in the path between a noise source and a receiver can substantially attenuate noise levels at the receiver. The amount of attenuation provided by shielding depends on the size of the object and the frequency content of the noise source. Shielding by trees and other such vegetation typically only has an “out of sight, out of mind” effect. That is, the perception of noise impact tends to decrease when vegetation blocks the line-of-sight to nearest residents. However, for vegetation to provide a substantial, or even noticeable, noise reduction, the vegetation area must be at least 15 feet in height, 100 feet wide and dense enough to completely obstruct the line-of sight between the source and the receiver. This size of vegetation may provide up to 5 dBA of noise reduction. The Federal Highway Administration (FHWA) does not consider the planting of vegetation to be a noise abatement measure (5).

2.3.5 REFLECTION

Field studies conducted by the FHWA have shown that the reflection from barriers and buildings does not substantially increase noise levels (5). If all the noise striking a structure was reflected back to a given receiving point, the increase would be theoretically limited to 3 dBA. Further, not all the acoustical energy is reflected back to same point. Some of the energy would go over the

structure, some is reflected to points other than the given receiving point, some is scattered by ground coverings (e.g., grass and other plants), and some is blocked by intervening structures and/or obstacles (e.g., the noise source itself). Additionally, some of the reflected energy is lost due to the longer path that the noise must travel. FHWA measurements made to quantify reflective increases in traffic noise have not shown an increase of greater than 1-2 dBA; an increase that is not perceptible to the average human ear.

2.4 NOISE CONTROL

Noise control is the process of obtaining an acceptable noise environment for an observation point or receiver by controlling the noise source, transmission path, receiver, or all three. This concept is known as the source-path-receiver concept. In general, noise control measures can be applied to these three elements.

2.5 NOISE BARRIER ATTENUATION

Effective noise barriers can reduce noise levels by up to 10 to 15 dBA, cutting the loudness of traffic noise in half. A noise barrier is most effective when placed close to the noise source or receiver. Noise barriers, however, do have limitations. For a noise barrier to work, it must be high enough and long enough to block the path of the noise source (5).

2.6 LAND USE COMPATIBILITY WITH NOISE

Some land uses are more tolerant of noise than others. For example, schools, hospitals, churches, and residences are more sensitive to noise intrusion than are commercial or industrial developments and related activities. As ambient noise levels affect the perceived amenity or livability of a development, so too can the mismanagement of noise impacts impair the economic health and growth potential of a community by reducing the area's desirability as a place to live, shop and work. For this reason, land use compatibility with the noise environment is an important consideration in the planning and design process. The FHWA encourages State and Local government to regulate land development in such a way that noise-sensitive land uses are either prohibited from being located adjacent to a highway, or that the developments are planned, designed, and constructed in such a way that noise impacts are minimized. (6)

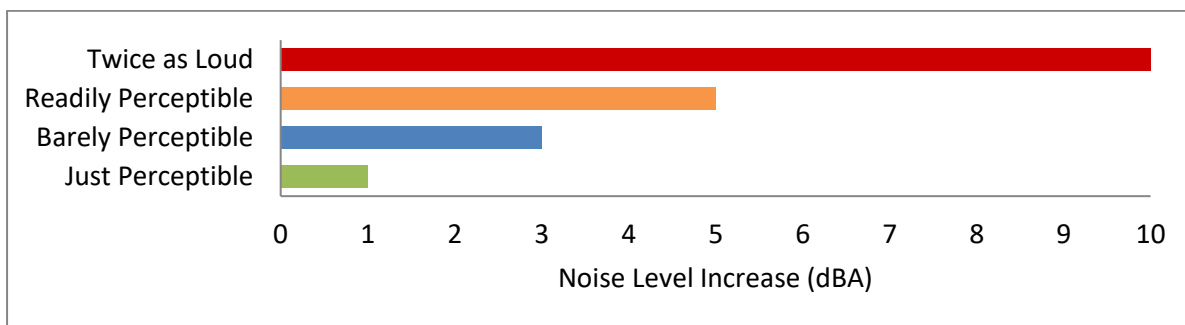
2.7 COMMUNITY RESPONSE TO NOISE

Community responses to noise varies depending upon everyone's susceptibility to noise and personal attitudes about noise. Several factors are related to the level of community annoyance including:

- Fear associated with noise producing activities;
- Socio-economic status and educational level;
- Perception that those affected are being unfairly treated;
- Attitudes regarding the usefulness of the noise-producing activity;
- Belief that the noise source can be controlled.

Approximately ten percent of the population has a very low tolerance for noise and will object to any noise not of their making. Consequently, even in the quietest environment, some complaints will occur. Twenty-five percent of the population will not complain even in very severe noise environments. Thus, a variety of reactions can be expected from people exposed to any given noise environment (7). Surveys have shown that about ten percent of the people exposed to traffic noise of 60 dBA will report being highly annoyed with the noise, and each increase of one dBA is associated with approximately two percent more people being highly annoyed. When traffic noise exceeds 60 dBA or aircraft noise exceeds 55 dBA, people may begin to complain (7). Despite this variability in behavior on an individual level, the population can be expected to exhibit the following responses to changes in noise levels as shown on Exhibit 2-B. A change of 3 dBA is considered *barely perceptible*, and changes of 5 dBA are considered *readily perceptible*. (5)

EXHIBIT 2-B: NOISE LEVEL INCREASE PERCEPTION



2.8 VIBRATION

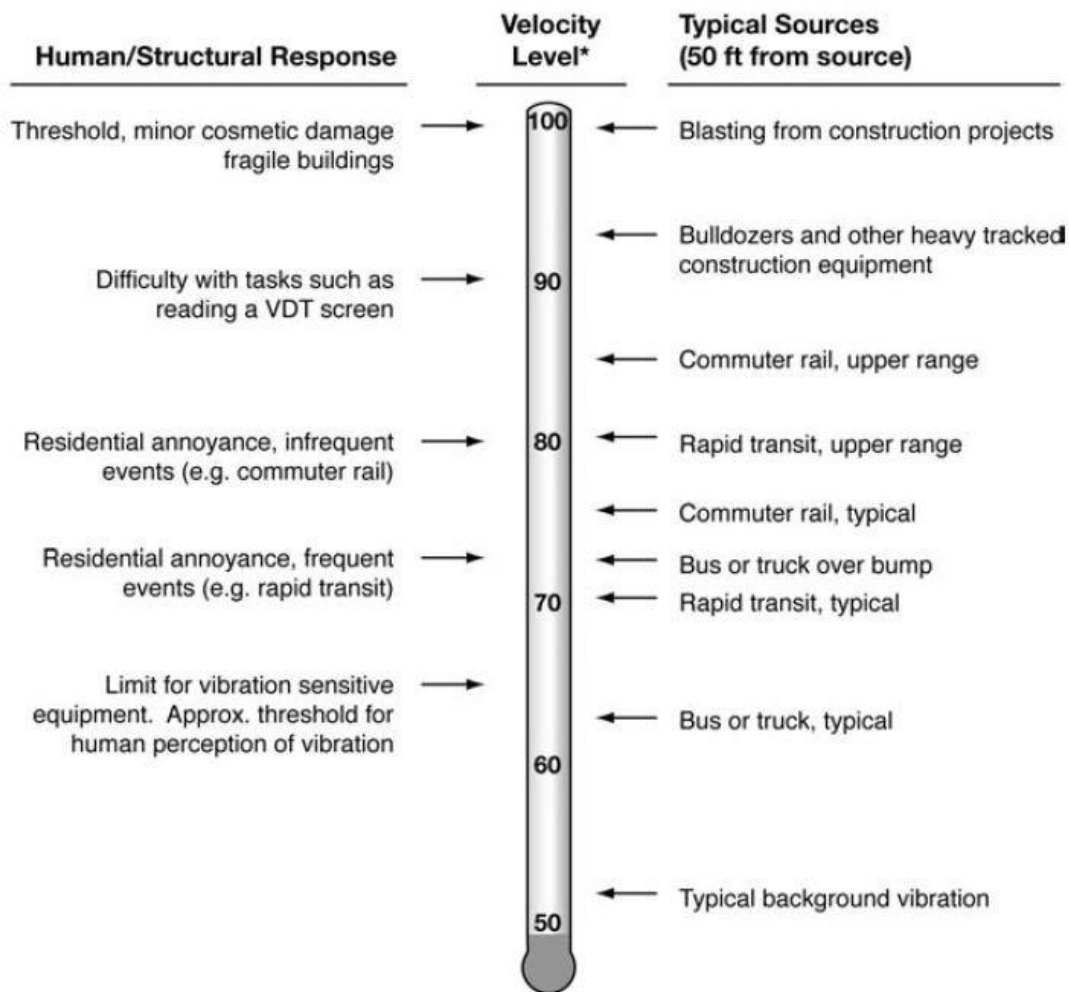
Per the Federal Transit Administration (FTA) *Transit Noise and Vibration Impact Assessment Manual* (8), vibration is the periodic oscillation of a medium or object. The rumbling sound caused by the vibration of room surfaces is called structure-borne noise. Sources of ground-borne vibrations include natural phenomena (e.g., earthquakes, volcanic eruptions, sea waves, landslides) or human-made causes (e.g., explosions, machinery, traffic, trains, construction equipment). Vibration sources may be continuous, such as factory machinery, or transient, such as explosions. As is the case with airborne sound, ground-borne vibrations may be described by amplitude and frequency.

There are several different methods that are used to quantify vibration. The peak particle velocity (PPV) is defined as the maximum instantaneous peak of the vibration signal. The PPV is most frequently used to describe vibration impacts to buildings but is not always suitable for evaluating human response (annoyance) because it takes some time for the human body to respond to vibration signals. Instead, the human body responds to average vibration amplitude often described as the root mean square (RMS). The RMS amplitude is defined as the average of the squared amplitude of the signal and is most frequently used to describe the effect of vibration on the human body. Decibel notation (VdB) is commonly used to measure RMS. Decibel notation (VdB) serves to reduce the range of numbers used to describe human response to vibration. Typically, ground-borne vibration generated by man-made activities attenuates rapidly with

distance from the source of the vibration. Sensitive receivers for vibration include structures (especially older masonry structures), people (especially residents, the elderly, and sick), and vibration-sensitive equipment and/or activities.

The background vibration-velocity level in residential areas is generally 50 VdB. Ground-borne vibration is normally perceptible to humans at approximately 65 VdB. For most people, a vibration-velocity level of 75 VdB is the approximate dividing line between barely perceptible and distinctly perceptible levels. Typical outdoor sources of perceptible ground-borne vibration are construction equipment, steel-wheeled trains, and traffic on rough roads. If a roadway is smooth, the ground-borne vibration is rarely perceptible. The range of interest is from approximately 50 VdB, which is the typical background vibration-velocity level, to 100 VdB, which is the general threshold where minor damage can occur in fragile buildings. Exhibit 2-C illustrates common vibration sources and the human and structural response to ground-borne vibration.

EXHIBIT 2-C: TYPICAL LEVELS OF GROUND-BORNE VIBRATION



* RMS Vibration Velocity Level in VdB relative to 10^{-6} inches/second

Source: Federal Transit Administration (FTA) Transit Noise and Vibration Impact Assessment Manual.

3 REGULATORY SETTING

To limit population exposure to physically and/or psychologically damaging as well as intrusive noise levels, the federal government, the State of California, various county governments, and most municipalities in the state have established standards and ordinances to control noise. In most areas, automobile and truck traffic is the major source of environmental noise. Traffic activity generally produces an average sound level that remains constant with time. Air and rail traffic, and commercial and industrial activities are also major sources of noise in some areas. Federal, state, and local agencies regulate different aspects of environmental noise. Federal and state agencies generally set noise standards for mobile sources such as aircraft and motor vehicles, while regulation of stationary sources is left to local agencies.

3.1 STATE OF CALIFORNIA NOISE REQUIREMENTS

The State of California regulates freeway noise, sets standards for sound transmission, provides occupational noise control criteria, identifies noise standards, and provides guidance for local land use compatibility. State law requires that each county and city adopt a General Plan that includes a Noise Element which is to be prepared per guidelines adopted by the Governor's Office of Planning and Research (OPR). (9) The purpose of the Noise Element is to *limit the exposure of the community to excessive noise levels*. In addition, the California Environmental Quality Act (CEQA) requires that all known environmental effects of a project be analyzed, including environmental noise impacts.

3.2 CITY OF LONG BEACH GENERAL PLAN NOISE ELEMENT

At the time this report was prepared, the City of Long Beach General Plan was currently being updated. Therefore, this report is based on the currently adopted Noise Element from the 1975 General Plan. (10) However, while the currently adopted Noise Element provides background and noise fundamentals, it does not identify criteria to assess the impacts associated with off-site transportation-related noise impacts.

In December 2019, the City of Long Beach published the public review draft of the updated Noise Element. The draft updated Noise Element identifies several policies to minimize the impacts of excessive noise levels throughout the community and establishes allowable noise exposure levels from transportation sources (Table N-5) for all land uses. To protect City of Long Beach residents from excessive noise, the draft updated Noise Element contains the following policies related to the Project:

Policy N 3-1: Provide sufficient spatial separation between industrial uses and noise sensitive uses. Utilize mitigation measures where feasible to reduce the noise source, such as noise attenuation methods, interrupting the noise path, or insulating the receptor to minimize the exposure of noise sensitive uses to excessive industrial-related noise.

Policy N 3-2: Ensure new industrial uses are in compliance with the City's Noise Ordinance.

- Policy N 3-3: Encourage industrial and commercial activities to restrict their receiving operations to daytime periods.*
- Policy N 3-4: Enforce established hours and routes for delivery trucks and truck traffic.*
- Policy N 3-5: Where noise sensitive uses are located adjacent to industrial uses, reduce noise impacts through the use of noise barriers, restriction of operating hours, and investment in noise cancelling technology.*
- Policy N 5-1: In observance of requirements imposed by the California Air Resources Board (CARB), limit the idling of heavy trucks during nighttime hours to less than five minutes.*
- Policy N 5-2: Where feasible, require equipment enclosures for pumps and compressors that exceed Municipal Code noise standards.*
- Policy N 5-3: Encourage conduction of high-noise or high-vibration activities in a set window of time during the day.*
- Policy N 5-4: Industrial facility owners and/or operators should use equipment that generates lower noise and vibration levels, such as rubber-tired equipment rather than metal-tracked equipment.*
- Policy N 5-5: Commercial delivery truck traffic should avoid residential areas whenever feasible.*
- Policy N 12-1: Reduce construction, maintenance, and nuisance noise at the source, when possible, to reduce noise conflicts.*
- Policy N 12-2: Continue to limit the allowable hours for construction activities and maintenance operations near sensitive uses.*
- Policy N 12-3: As part of the City's Municipal Code, establish noise levels standards based on PlaceType and time of day, to which construction noise shall conform.*
- Policy N 12-4: Encourage off-site fabrication to reduce needed onsite construction activities and corresponding noise levels and duration.*
- Policy N 12-5: Require that all construction activities incorporate best business practices, such as: Schedule high-noise and vibration-producing activities to a shorter window of time during the day outside early morning hours to minimize disruption to sensitive uses.*
- Grading and construction contractors should use equipment that generates lower noise and vibration levels, such as rubber-tired equipment rather than metal-tracked equipment.*
 - Construction haul truck and materials delivery traffic should avoid residential areas whenever feasible.*
 - The construction contractor should place noise- and vibration-generating construction equipment and locate construction staging areas away from sensitive uses whenever feasible.*

- *The construction contractor should use on-site electrical sources to power equipment rather than diesel generators, where feasible.*
- *All residential units located within 500 ft of a construction site should be sent a notice regarding the construction schedule. A sign legible at a distance of 50 ft should also be posted at the construction site. All notices and the signs should indicate the dates and durations of construction activities, as well as provide a telephone number for a “noise disturbance coordinator.”*
- *A “noise disturbance coordinator” should be established by the project developer. The disturbance coordinator should be responsible for responding to any local complaints about construction noise. The disturbance coordinator should determine the cause of the noise complaint (e.g., starting too early, bad muffler) and should be required to implement reasonable measures to reduce noise levels.*

3.3 OPERATIONAL NOISE STANDARDS

To analyze noise impacts originating from a designated fixed location or private property such as the San Francisco Avenue Project, stationary-source (operational) noise such as the expected loading dock activity, truck movements, roof-top air conditioning units, parking lot vehicle movements, and trash enclosure activity are typically evaluated against standards established under the Municipal Code.

Chapter 8.80 of the City of Long Beach Municipal Code, establishes the noise level standards for stationary noise sources in Section 8.80.160, Table A. This noise study relies on District 1 (noise-sensitive) noise level standards to describe potential operational noise impacts. For residential properties, the exterior noise level shall not exceed 50 dBA L_{50} during the daytime hours (7:00 a.m. to 10:00 p.m.) and 45 dBA L_{50} during the nighttime hours (10:00 p.m. to 7:00 a.m.) for not more than 30 minutes in any hour. (11)

The exterior noise level standards shall apply for a cumulative period of 30 minutes in any hour, as well as the standard plus 5 dBA cannot be exceeded for a cumulative period of more than 15 minutes in any hour, or the standard plus 10 dBA for a cumulative period of more than 5 minutes in any hour, or the standard plus 15 dBA for a cumulative period of more than 1 minute in any hour, or the standard plus 20 dBA for any period of time. The operational noise level standards used in this noise study are summarized below and shown on Table 3-1.

TABLE 3-1: OPERATIONAL NOISE STANDARDS

Jurisdiction	Land Use	Time Period	Exterior Noise Level Standard (dBA) ¹				
			L_{50} (30 mins)	L_{25} (15 mins)	L_8 (5 mins)	L_2 (1 min)	L_{max} (<1 min)
City of Long Beach ²	District 1	7:00 a.m. to 10:00 p.m.	50	55	60	65	70
		10:00 p.m. to 7:00 a.m.	45	50	55	60	65

¹ The percent noise level is the level exceeded "n" percent of the time. L_{25} is the noise level exceeded 25% of the time.

² Chapter 8.80 of the City of Long Beach Municipal Code (Appendix 3.1).

The percentile noise descriptors are provided to ensure that the duration of the noise source is fully considered. However, due to the relatively constant intensity of the Project operational activities, the L_{50} or average L_{eq} noise level metrics best describe the loading dock activity, truck movements, roof-top air conditioning units, parking lot vehicle movements, and trash enclosure activity. In addition, the L_{eq} noise level metric accounts for noise fluctuations over time by averaging the louder and quieter events and giving more weight to the louder events. In addition, due to the mathematical relationship between the median (L_{50}) and the mean (L_{eq}), the L_{eq} will always be larger than or equal to the L_{50} . The more variable the noise becomes, the larger the L_{eq} becomes in comparison to the L_{50} . Therefore, this noise study conservatively relies on the average L_{eq} sound level limits to describe the Project operational noise levels.

3.4 CONSTRUCTION NOISE STANDARDS

To control noise impacts associated with the construction of the proposed Project, the City of Long Beach municipal code has established limits to the hours of operation. Section 8.80.202 of the Noise ordinance restricts construction activity between the hours of 7:00 p.m. and 7:00 a.m. (12) However, neither the City of Long Beach General Plan or Municipal Code establish numeric maximum acceptable construction source noise levels at potentially affected receivers, which would allow for a quantified determination of what CEQA constitutes a *substantial temporary or periodic noise increase*. Therefore, a numerical construction threshold based on Federal Transit Administration (FTA) *Transit Noise and Vibration Impact Assessment Manual* is used for analysis of daytime construction impacts, as discussed below.

According to the FTA, local noise ordinances are typically not very useful in evaluating construction noise. They usually relate to nuisance and hours of allowed activity, and sometimes specify limits in terms of maximum levels, but are generally not practical for assessing the impact of a construction project. Project construction noise criteria should account for the existing noise environment, the absolute noise levels during construction activities, the duration of the construction, and the adjacent land use. Due to the lack of standardized construction noise thresholds, the FTA provides guidelines that can be considered reasonable criteria for construction noise assessment. The FTA considers a daytime exterior construction noise level of 80 dBA L_{eq} as a reasonable threshold for noise sensitive residential land use. (8 p. 179).

3.5 CONSTRUCTION VIBRATION STANDARDS

Construction activity can result in varying degrees of ground-borne vibration, depending on the equipment and methods used, distance to the affected structures and soil type. Construction vibration is generally associated with pile driving and rock blasting. Other construction equipment such as air compressors, light trucks, hydraulic loaders, etc., generates little or no ground vibration. (8)

To analyze vibration impacts originating from the operation and construction of the San Francisco Avenue, vibration-generating activities are appropriately evaluated against standards established under a City's Municipal Code, if such standards exist. However, the City of Long Beach does not identify specific vibration level limits. Therefore, for analysis purposes, the Caltrans *Transportation and Construction Vibration Guidance Manual*, (13 p. 38) Table 19,

vibration damage are used in this noise study to assess potential temporary construction-related impacts at adjacent building locations.

The construction vibration damage potential criteria include consideration of the building conditions. (4 p. 182) Table 3-1 describes the maximum acceptable transient and continuous vibration building damage potential levels by structure type and condition. The existing buildings adjacent to the Project site can best be described as “older residential structures” with a maximum acceptable continuous vibration threshold of 0.3 PPV (in/sec).

TABLE 3-1: BUILDING DAMAGE VIBRATION CRITERIA

Structure and Condition	Maximum Transient Vibration Levels PPV (in/sec)	Maximum Continuous Vibration Levels PPV (in/sec)
Extremely fragile historic buildings	0.12	0.08
Fragile buildings	0.2	0.1
Historic and some old buildings	0.5	0.25
Older residential structures	0.5	0.3
New residential structures	1.0	0.5
Modern industrial/commercial buildings	2.0	0.5

Caltrans Transportation and Construction Vibration Guidance Manual, April 2020, Tables 19, p. 38.

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4 SIGNIFICANCE CRITERIA

The following significance criteria are based on currently adopted guidance provided by Appendix G of the California Environmental Quality Act (CEQA) Guidelines. (9) For the purposes of this report, impacts would be potentially significant if the Project results in or causes:

- A. Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?
- B. Generation of excessive ground-borne vibration or ground-borne noise levels?
- C. For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?

While the City of Long Beach General Plan Guidelines provide direction on noise compatibility and establish noise standards by land use type that are sufficient to assess the significance of noise impacts, they do not define the levels at which increases are considered substantial for use under Guideline A. CEQA Appendix G Guideline C applies to nearby public and private airports, if any, and the Project's land use compatibility.

4.1 CEQA GUIDELINES NOT FURTHER ANALYZED

The Project site is not located within two miles of a public airport or within an airport land use plan. The closest airport is the Long Beach Airport located approximately 3.3 miles northeast of the Project site. As such, the Project site would not be exposed to excessive noise levels from airport operations, and therefore, impacts are considered *less than significant*, and no further noise analysis is conducted in relation to Guideline C.

4.1 NOISE-SENSITIVE RECEIVERS

Noise level increases resulting from the Project are evaluated based on the Appendix G CEQA Guidelines described above at the closest sensitive receiver locations. Under CEQA, consideration must be given to the magnitude of the increase, the existing ambient noise levels, and the location of noise-sensitive receivers to determine if a noise increase represents a significant adverse environmental impact. This approach recognizes *that there is no single noise increase that renders the noise impact significant*. (14)

Unfortunately, there is no completely satisfactory way to measure the subjective effects of noise or of the corresponding human reactions of annoyance and dissatisfaction. This is primarily because of the wide variation in individual thresholds of annoyance and differing individual experiences with noise. Thus, an important way of determining a person's subjective reaction to a new noise is the comparison of it to the existing environment to which one has adapted—the so-called *ambient* environment. In general, the more a new noise exceeds the previously existing ambient noise level, the less acceptable the new noise will typically be judged. The Federal Interagency Committee on Noise (FICON) (15) developed guidance to be used for the assessment

of project-generated increases in noise levels that consider the ambient noise level. The FICON recommendations are based on studies that relate aircraft noise levels to the percentage of persons highly annoyed by aircraft noise. Although the FICON recommendations were specifically developed to assess aircraft noise impacts, these recommendations are often used in environmental noise impact assessments involving the use of cumulative noise exposure metrics, such as the average-daily noise level (CNEL) and equivalent continuous noise level (L_{eq}).

As previously stated, the approach used in this noise study recognizes *that there is no single noise increase that renders the noise impact significant*, based on a 2008 California Court of Appeal ruling on Gray v. County of Madera. (14) For example, if the ambient noise environment is quiet (<60 dBA) and the new noise source greatly increases the noise levels, an impact may occur if the noise criteria may be exceeded. Therefore, for this analysis, FICON identifies a *readily perceptible* 5 dBA or greater project-related noise level increase is considered a significant impact when the noise criteria for a given land use is exceeded. Per the FICON, in areas where the without project noise levels range from 60 to 65 dBA, a 3 dBA *barely perceptible* noise level increase appears to be appropriate for most people. When the without project noise levels already exceed 65 dBA, any increase in community noise louder than 1.5 dBA or greater is considered a significant impact if the noise criteria for a given land use is exceeded, since it likely contributes to an existing noise exposure exceedance.

The FICON guidance provides an established source of criteria to assess the impacts of substantial temporary or permanent increase in ambient noise levels. Based on the FICON criteria, the amount to which a given noise level increase is considered acceptable is reduced when the without Project noise levels are already shown to exceed certain land-use specific exterior noise level criteria. The specific levels are based on typical responses to noise level increases of 5 dBA or *readily perceptible*, 3 dBA or *barely perceptible*, and 1.5 dBA depending on the underlying without Project noise levels for noise-sensitive uses. These levels of increases and their perceived acceptance are consistent with guidance provided by both the Federal Highway Administration (5 p. 9) and Caltrans (16 p. 2_48).

4.3 SIGNIFICANCE CRITERIA SUMMARY

Noise impacts shall be considered significant if any of the following occur as a direct result of the proposed development. Table 4-1 shows the significance criteria summary matrix.

TABLE 4-1: SIGNIFICANCE CRITERIA SUMMARY

Analysis	Receiving Land Use	Condition(s)	Significance Criteria	
			Daytime	Nighttime
Operational	Multiple ¹	Exterior Noise Level Standards	50 dBA Leq	45 dBA Leq
	Noise-Sensitive ²	If ambient is < 60 dBA Leq	≥ 5 dBA dBA Leq Project increase	
		If ambient is 60 - 65 dBA Leq	≥ 3 dBA dBA Leq Project increase	
		If ambient is > 65 dBA Leq	≥ 1.5 dBA dBA Leq Project increase	
Construction	Noise Sensitive	Construction activity not permitted between the hours of 7:00 p.m. and 7:00 a.m. on weekdays, before 9:00 a.m. on Saturdays with no activity permitted on Sundays. ³		
		Noise Level Threshold ⁴	80 dBA Leq	70 dBA Leq
		Vibration Threshold ⁵	0.3 PPV (in/sec)	n/a

¹ Chapter 8.80 of the City of Long Beach Municipal Code (Appendix 3.1).

² FICON, 1992.

³ Chapter 8.80.202 Construction Activity of the City of Long Beach Municipal Code.

⁴ Federal Transit Administration, Transit Noise and Vibration Impact Assessment Manual.

⁵ Caltrans Transportation and Construction Vibration Guidance Manual, April 2020, Table 19.

"Daytime" = 7:00 a.m. to 10:00 p.m.; "Nighttime" = 10:00 p.m. to 7:00 a.m.

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5 EXISTING NOISE LEVEL MEASUREMENTS

To assess the existing noise level environment, 24-hour noise level measurements were taken at four locations in the Project study area. The receiver locations were selected to describe and document the existing noise environment within the Project study area. Exhibit 5-A provides the boundaries of the Project study area and the noise level measurement locations. To fully describe the existing noise conditions, noise level measurements were collected by Urban Crossroads, Inc. on Wednesday, March 17, 2021. Appendix 5.1 includes study area photos.

5.1 MEASUREMENT PROCEDURE AND CRITERIA

To describe the existing noise environment, the hourly noise levels were measured during typical weekday conditions over a 24-hour period. By collecting individual hourly noise level measurements, it is possible to describe the daytime and nighttime hourly noise levels and calculate the 24-hour CNEL. The long-term noise readings were recorded using Piccolo Type 2 integrating sound level meter and dataloggers. The Piccolo sound level meters were calibrated using a Larson-Davis calibrator, Model CAL 150. All noise meters were programmed in "slow" mode to record noise levels in "A" weighted form. The sound level meters and microphones were equipped with a windscreen during all measurements. All noise level measurement equipment satisfies the American National Standards Institute (ANSI) standard specifications for sound level meters ANSI S1.4-2014/IEC 61672-1:2013. (17)

5.2 NOISE MEASUREMENT LOCATIONS

The long-term noise level measurements were positioned as close to the nearest sensitive receiver locations as possible to assess the existing ambient hourly noise levels surrounding the Project site. Both Caltrans and the FTA recognize that it is not reasonable to collect noise level measurements that can fully represent every part of a private yard, patio, deck, or balcony normally used for human activity when estimating impacts for new development projects. This is demonstrated in the Caltrans general site location guidelines which indicate that, *sites must be free of noise contamination by sources other than sources of interest. Avoid sites located near sources such as barking dogs, lawnmowers, pool pumps, and air conditioners unless it is the express intent of the analyst to measure these sources.* (3) Further, FTA guidance states, *that it is not necessary nor recommended that existing noise exposure be determined by measuring at every noise-sensitive location in the project area. Rather, the recommended approach is to characterize the noise environment for clusters of sites based on measurements or estimates at representative locations in the community.* (8)

Based on recommendations of Caltrans and the FTA, it is not necessary to collect measurements at each individual building or residence, because each receiver measurement represents a group of buildings that share acoustical equivalence. (8) In other words, the area represented by the receiver shares similar shielding, terrain, and geometric relationship to the reference noise source. Receivers represent a location of noise sensitive areas and are used to estimate the future noise level impacts. Collecting reference ambient noise level measurements at the nearby sensitive receiver locations allows for a comparison of the before and after Project noise levels

and is necessary to assess potential noise impacts due to the Project's contribution to the ambient noise levels.

5.3 NOISE MEASUREMENT RESULTS

The noise measurements presented below focus on the average or equivalent sound levels (L_{eq}). The equivalent sound level (L_{eq}) represents a steady state sound level containing the same total energy as a time varying signal over a given sample period. Table 5-1 identifies the hourly daytime (7:00 a.m. to 10:00 p.m.) and nighttime (10:00 p.m. to 7:00 a.m.) noise levels at each noise level measurement location. Appendix 5.2 provides a summary of the existing hourly ambient noise levels.

Table 5-1 provides the (energy average) noise levels used to describe the daytime and nighttime ambient conditions. These daytime and nighttime energy average noise levels represent the average of all hourly noise levels observed during these time periods expressed as a single number. Appendix 5.2 provides summary worksheets of the noise levels for each hour as well as the minimum, maximum, L_1 , L_2 , L_5 , L_8 , L_{25} , L_{50} , L_{90} , L_{95} , and L_{99} percentile noise levels observed during the daytime and nighttime periods.

TABLE 5-1: 24-HOUR AMBIENT NOISE LEVEL MEASUREMENTS

Location ¹	Description	Energy Average Noise Level (dBA L_{eq}) ²		CNEL
		Daytime	Nighttime	
L1	Located north of the Project site on Pacific Coast Highway by the Travel Eagle Inn Motel at 809 West Pacific Coast Highway.	77.7	75.2	82.5
L2	Located east of the Project site on Magnolia Avenue near existing multi-family residential homes at 463 West Cowles Street.	68.7	63.0	71.4
L3	Located southeast of the Project site on Loma Vista Drive near existing single-family residential home at 1153 North Loma Vista Drive.	56.6	50.9	59.1
L4	Located south of the Project site by the Drake/Chavez Soccer Fields at 903 Fairbanks Avenue.	53.3	51.1	58.3

¹ See Exhibit 5-A for the noise level measurement locations.

² Energy (logarithmic) average levels. The long-term 24-hour measurement worksheets are included in Appendix 5.2.

"Daytime" = 7:00 a.m. to 10:00 p.m.; "Nighttime" = 10:00 p.m. to 7:00 a.m.

EXHIBIT 5-A: NOISE MEASUREMENT LOCATIONS



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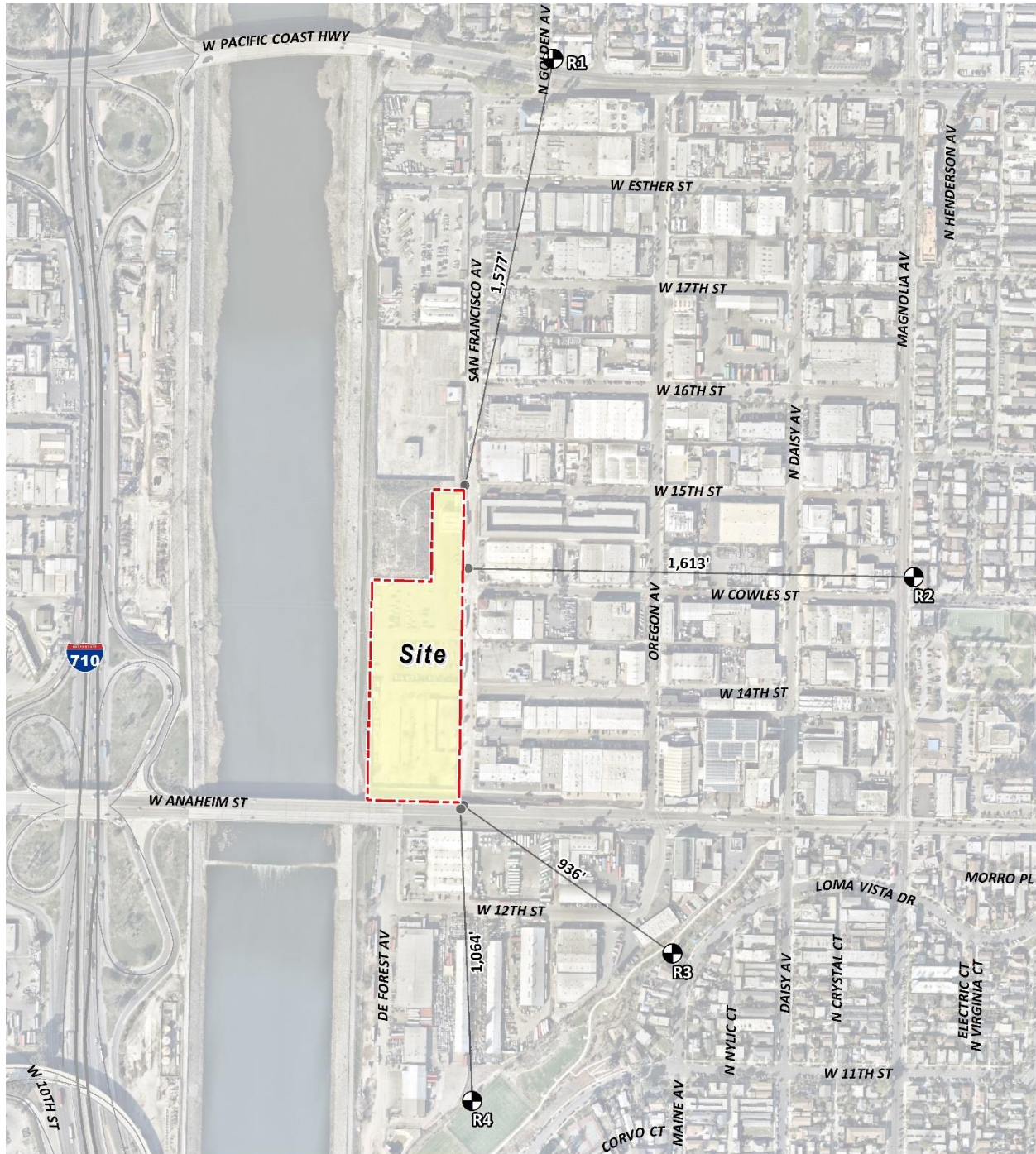
6 SENSITIVE RECEIVER LOCATIONS

To assess the potential for long-term operational and short-term construction noise impacts, the following sensitive receiver locations, as shown on Exhibit 6-A, were identified as representative locations for analysis. Sensitive receivers are generally defined as locations where people reside or where the presence of unwanted sound could otherwise adversely affect the use of the land. Noise-sensitive land uses are generally considered to include schools, hospitals, single-family dwellings, mobile home parks, churches, libraries, and recreation areas. Moderately noise-sensitive land uses typically include multi-family dwellings, hotels, motels, dormitories, outpatient clinics, cemeteries, golf courses, country clubs, athletic/tennis clubs, and equestrian clubs. Land uses that are considered relatively insensitive to noise include business, commercial, and professional developments. Land uses that are typically not affected by noise include: industrial, manufacturing, utilities, agriculture, undeveloped land, parking lots, warehousing, liquid and solid waste facilities, salvage yards, and transit terminals.

To describe the potential off-site Project noise levels, four receiver locations in the vicinity of the Project site were identified. All distances are measured from the Project site boundary to the outdoor living areas (e.g., private backyards) or at the building façade, whichever is closer to the Project site. The selection of receiver locations is based on FHWA guidelines and is consistent with additional guidance provided by Caltrans and the FTA, as previously described in Section 5.2. Other sensitive land uses in the Project study area that are located at greater distances than those identified in this noise study will experience lower noise levels than those presented in this report due to the additional attenuation from distance and the shielding of intervening structures. Distance is measured in a straight line from the project boundary to each receiver location.

- R1: Location R1 represents the Travel Eagle Inn Motel at 809 West Pacific Coast Highway, approximately 1,577 feet north of the Project site. Receiver R1 is placed at the building façade. A 24-hour noise measurement was taken near this location, L1, to describe the existing ambient noise environment.
- R2: Location R2 represents the existing multi-family residential home at 461 West Cowles Street, approximately 1,613 feet east of the Project site. Since there are no private outdoor living areas (backyards) facing the Project site, receiver R2 is placed at the building façade. A 24-hour noise measurement was taken near this location, L2, to describe the existing ambient noise environment.
- R3: Location R3 represents the existing single-family residential home at 1153 N Loma Vista Drive, approximately 936 feet southeast of the Project site. Since there are no private outdoor living areas (backyards) facing the Project site, receiver R3 is placed at the building façade. A 24-hour noise measurement was taken near this location, L3, to describe the existing ambient noise environment.
- R4: Location R4 represents the Drake/Chavez Soccer Fields at 903 Fairbanks Avenue, approximately 1,064 feet south of the Project site. Receiver R4 is placed at the field boundary. A 24-hour noise measurement was taken near this location, L4, to describe the existing ambient noise environment.

EXHIBIT 6-A: SENSITIVE RECEIVER LOCATIONS



- LEGEND:**
- Receiver Locations
 - Distance from receiver to Project site boundary (in feet)

7 OPERATIONAL NOISE IMPACTS

This section analyzes the potential stationary-source operational noise impacts at the nearby receiver locations, identified in Section 6, resulting from the operation of the proposed San Francisco Avenue Project. Exhibit 7-A identifies the noise source locations used to assess the operational noise levels.

7.1 OPERATIONAL NOISE SOURCES

This operational noise analysis is intended to describe noise level impacts associated with the expected typical of daytime and nighttime activities at the Project site. To present the potential worst-case noise conditions, this analysis assumes the Project would be operational 24 hours per day, seven days per week. Consistent with similar warehouse uses, the Project business operations would primarily be conducted within the enclosed buildings, except for traffic movement, parking, as well as loading and unloading of trucks at designated loading bays. The on-site Project-related noise sources are expected to include: loading dock activity, truck movements, roof-top air conditioning units, parking lot vehicle movements, and trash enclosure activity.

7.2 REFERENCE NOISE LEVELS

To estimate the Project operational noise impacts, reference noise level measurements were collected from similar types of activities to represent the noise levels expected with the development of the proposed Project. This section provides a detailed description of the reference noise level measurements shown on Table 7-1 used to estimate the Project operational noise impacts. It is important to note that the following projected noise levels assume the worst-case noise environment with the loading dock activity, truck movements, roof-top air conditioning units, parking lot vehicle movements, and trash enclosure activity all operating continuously. These sources of noise activity will likely vary throughout the day.

7.2.1 MEASUREMENT PROCEDURES

The reference noise level measurements presented in this section were collected using a Larson Davis LxT Type 1 precision sound level meter (serial number 01146). The LxT sound level meter was calibrated using a Larson-Davis calibrator, Model CAL 200, was programmed in "slow" mode to record noise levels in "A" weighted form and was located at approximately five feet above the ground elevation for each measurement. The sound level meters and microphones were equipped with a windscreen during all measurements. All noise level measurement equipment satisfies the American National Standards Institute (ANSI) standard specifications for sound level meters ANSI S1.4-2014/IEC 61672-1:2013. (17)

EXHIBIT 7-A: OPERATIONAL NOISE SOURCE LOCATIONS

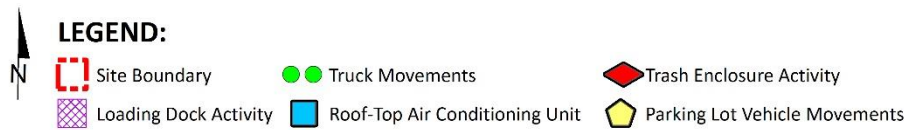
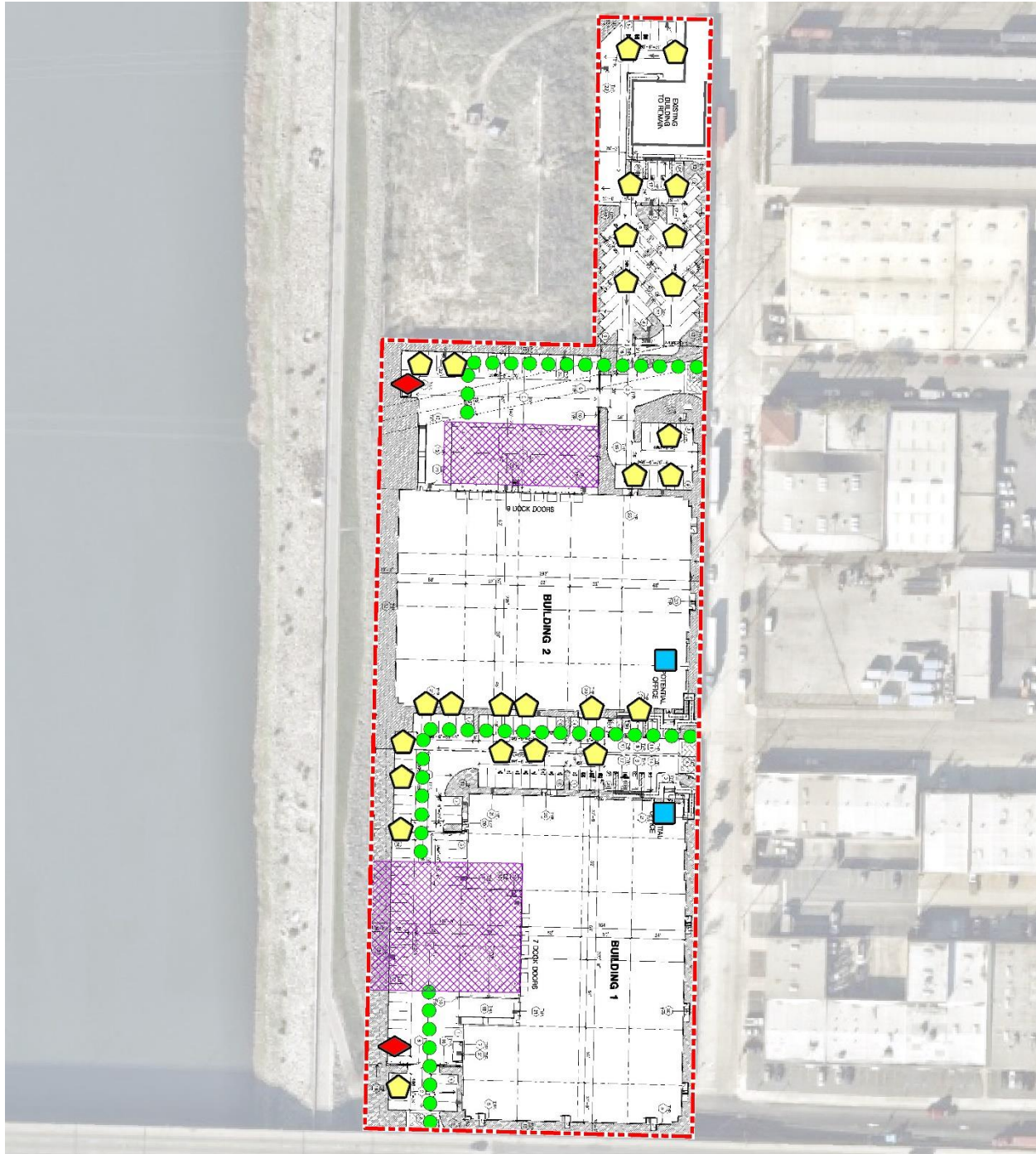


TABLE 7-1: REFERENCE NOISE LEVEL MEASUREMENTS

Noise Source ¹	Noise Source Height (Feet)	Min./Hour ²		Reference Noise Level (dBA L_{eq}) @ 50 Feet	Sound Power Level (dBA) ³
		Day	Night		
Loading Dock Activity	8'	60	60	65.7	111.5
Truck Movements	8'	60	60	59.8	93.2
Roof-Top Air Conditioning Units	5'	39	28	57.2	88.9
Parking Lot Vehicle Movements	5'	60	60	56.1	87.8
Trash Enclosure Activity	5'	10	10	57.3	89.0

¹ As measured by Urban Crossroads, Inc.

² Anticipated duration (minutes within the hour) of noise activity during typical hourly conditions expected at the Project site. "Daytime" = 7:00 a.m. - 10:00 p.m.; "Nighttime" = 10:00 p.m. - 7:00 a.m.

³ Sound power level represents the total amount of acoustical energy (noise level) produced by a sound source independent of distance or surroundings. Sound power levels calculated using the CadnaA noise model at the reference distance to the noise source. Numbers may vary due to size differences between point and area noise sources.

7.2.2 LOADING DOCK ACTIVITY

The reference loading dock activities are intended to describe the typical operational noise activities associated with the Project. This includes truck idling, reefer activity (refrigerator truck/cold storage), deliveries, backup alarms, trailer docking including a combination of tractor trailer semi-trucks, two-axle delivery trucks, and background operation activities. The reference noise level measurement was taken in the center of the loading dock activity area and represents multiple concurrent noise sources resulting in a combined noise level of 65.7 dBA L_{eq} at a uniform distance of 50 feet. Specifically, the reference noise level measurement represents one truck located approximately 30 feet from the noise level meter with another truck passing by to park roughly 20 feet away, both with their engines idling. Throughout the reference noise level measurement, a separate docked and running reefer truck was located approximately 50 feet east of the measurement location. Additional background noise sources included truck pass-by noise, truck drivers talking to each other next to docked trucks, and air brake release noise when trucks parked.

7.2.4 TRUCK MOVEMENTS

The truck movements reference noise level measurement was collected over a period of 1 hour and 28 minutes and represents multiple heavy trucks entering and exiting the outdoor loading dock area producing a reference noise level of 59.8 dBA L_{eq} at 50 feet. The noise sources included at this measurement location account for trucks entering and existing the Project driveways and maneuvering in and out of the outdoor loading dock activity area. Consistent with the San Francisco Avenue *Trip Generation Assessment*, the Project is expected to generate a total of approximately 416 trip-ends per day (actual vehicles) and includes 56 truck trip-ends per day. (2) This noise study relies on the actual Project trips (as opposed to the passenger car equivalents) to accurately account for the effect of individual truck trips on the study area roadway network. Using the estimated number of truck trips in combination with time-of-day vehicle splits, the

number of entry gate and truck movements were calculated. As shown on Table 7-2, this information is then used to calculate the entry gate and truck movements operational noise source activity based on the number of events by time of day.

TABLE 7-2: ENTRY GATE & TRUCK MOVEMENTS BY LOCATION

Entry Gate & Truck Movement Location ¹	Total Project Truck Trips ²	Trip Dist. ³	Truck Trips by Location ⁴	Time of Day Vehicle Splits ⁵			Truck Movements ⁶		
				Day	Evening	Night	Day	Evening	Night
All Driveways	56	100%	56	86.50%	2.70%	10.80%	48	2	6

¹ Driveway locations as shown on Exhibit 7-A.

² Project truck trips according to Table 3 of the San Francisco Avenue Trip Generation Assessment.

³ Project truck trip distribution.

⁴ Calculated trip trucks per location represents the product of the total (inbound and outbound) project truck trips by and the trip distribution.

⁵ Heavy truck time of day vehicle splits per the Typical Southern California vehicle mix. Values rounded to the nearest one-hundredth.

⁶ Calculated time of day entry gate and truck movements by location.

"Daytime" = 7:00 a.m. to 7:00 p.m.; "Evening" = 7:00 p.m. to 10:00 p.m.; "Nighttime" = 10:00 p.m. to 7:00 a.m.

7.2.5 ROOF-TOP AIR CONDITIONING UNITS

The noise level measurements describe a single mechanical roof-top air conditioning unit. The reference noise level represents a Lennox SCA120 series 10-ton model packaged air conditioning unit. At the uniform reference distance of 50 feet, the reference noise levels are 57.2 dBA L_{eq} . Based on the typical operating conditions observed over a four-day measurement period, the roof-top air conditioning units are estimated to operate for an average 39 minutes per hour during the daytime hours, and 28 minutes per hour during the nighttime hours. These operating conditions reflect peak summer cooling requirements with measured temperatures approaching 96 degrees Fahrenheit (°F) with average daytime temperatures of 82°F. For this noise analysis, the air conditioning units are expected to be located on the roof of the Project buildings.

7.2.6 PARKING LOT VEHICLE MOVEMENTS

To describe the on-site parking lot activity a reference noise level of 56.1 dBA L_{eq} at 50 feet is used. Parking activity are expected to take place during the full hour (60 minutes) throughout the daytime and evening hours. The parking lot noise levels are mainly due cars pulling in and out of parking spaces in combination with sales staff talking to customers.

7.2.7 TRASH ENCLOSURE ACTIVITY

To describe the noise levels associated with a trash enclosure activity, Urban Crossroads collected a reference noise level measurement at an existing trash enclosure containing two dumpster bins. The trash enclosure noise levels describe metal gates opening and closing, metal scraping against concrete floor sounds, dumpster movement on metal wheels, and trash dropping into the metal dumpster. The reference noise levels describe trash enclosure noise activities when trash is dropped into an empty metal dumpster, as would occur at the Project Site. The measured reference noise level at the uniform 50-foot reference distance is 57.3 dBA L_{eq} for the trash enclosure activity. The reference noise level describes the expected noise source activities

associated with the trash enclosures for the Project's proposed building. Typical trash enclosure activities are estimated to occur for 10 minutes per hour.

7.3 CADNAA NOISE PREDICTION MODEL

To fully describe the exterior operational noise levels from the Project, Urban Crossroads, Inc. developed a noise prediction model using the CadnaA (Computer Aided Noise Abatement) computer program. CadnaA can analyze multiple types of noise sources using the spatially accurate Project site plan, georeferenced Nearmap aerial imagery, topography, buildings, and barriers in its calculations to predict outdoor noise levels.

Using the ISO 9613 protocol, CadnaA will calculate the distance from each noise source to the noise receiver locations, using the ground absorption, distance, and barrier/building attenuation inputs to provide a summary of noise level at each receiver and the partial noise level contributions by noise source. Consistent with the ISO 9613 protocol, the CadnaA noise prediction model relies on the reference sound power level (L_w) to describe individual noise sources. While sound pressure levels (e.g., L_{eq}) quantify in decibels the intensity of given sound sources at a reference distance, sound power levels (L_w) are connected to the sound source and are independent of distance. Sound pressure levels vary substantially with distance from the source and diminish because of intervening obstacles and barriers, air absorption, wind, and other factors. Sound power is the acoustical energy emitted by the sound source and is an absolute value that is not affected by the environment.

The operational noise level calculations provided in this noise study account for the distance attenuation provided due to geometric spreading, when sound from a localized stationary source (i.e., a point source) propagates uniformly outward in a spherical pattern. A default ground attenuation factor of 0.5 was used in the noise analysis to account for mixed ground representing a combination of hard and soft surfaces. Appendix 7.1 includes the detailed noise model inputs used to estimate the Project operational noise levels presented in this section.

7.4 PROJECT OPERATIONAL NOISE LEVELS

Using the reference noise levels to represent the proposed Project operations that include loading dock activity, truck movements, roof-top air conditioning units, parking lot vehicle movements, and trash enclosure activity, Urban Crossroads, Inc. calculated the operational source noise levels that are expected to be generated at the Project site and the Project-related noise level increases that would be experienced at each of the sensitive receiver locations. Table 7-3 shows the Project operational noise levels during the daytime hours of 7:00 a.m. to 10:00 p.m. The daytime hourly noise levels at the off-site receiver locations are expected to range from 31.6 to 45.8 dBA L_{eq} .

TABLE 7-3: DAYTIME PROJECT OPERATIONAL NOISE LEVELS

Noise Source ¹	Operational Noise Levels by Receiver Location (dBA Leq)			
	R1	R2	R3	R4
Loading Dock Activity	43.5	45.5	28.4	36.3
Truck Movements	20.7	24.9	18.4	15.4
Roof-Top Air Conditioning Units	16.7	23.8	22.4	20.6
Parking Lot Vehicle Movements	28.6	32.9	27.0	20.2
Trash Enclosure Activity	12.6	12.8	9.4	7.8
Total (All Noise Sources)	43.7	45.8	31.6	36.6

¹ See Exhibit 7-A for the noise source locations. CadnaA noise model calculations are included in Appendix 7.1.

Table 7-4 shows the Project operational noise levels during the nighttime hours of 10:00 p.m. to 7:00 a.m. The nighttime hourly noise levels at the off-site receiver locations are expected to range from 30.3 to 44.8 dBA L_{eq} . The differences between the daytime and nighttime noise levels are largely related to the duration of noise activity (Table 7-1).

TABLE 7-4: NIGHTTIME PROJECT OPERATIONAL NOISE LEVELS

Noise Source ¹	Operational Noise Levels by Receiver Location (dBA Leq)			
	R1	R2	R3	R4
Loading Dock Activity	42.5	44.5	27.4	35.3
Truck Movements	11.3	15.5	9.0	6.0
Roof-Top Air Conditioning Units	14.3	21.4	20.0	18.2
Parking Lot Vehicle Movements	27.6	32.0	26.1	19.2
Trash Enclosure Activity	11.6	11.8	8.5	6.9
Total (All Noise Sources)	42.7	44.8	30.3	35.5

¹ See Exhibit 7-A for the noise source locations. CadnaA noise model calculations are included in Appendix 7.1.

7.5 PROJECT OPERATIONAL NOISE LEVEL COMPLIANCE

To demonstrate compliance with local noise regulations, the unmitigated Project-only operational noise levels are evaluated against exterior noise level thresholds based on the City of Long Beach exterior noise level standards at nearby noise-sensitive receiver locations. Table 7-5 shows the operational noise levels associated with San Francisco Avenue Project will satisfy the City of Long Beach 55 dBA L_{eq} daytime and 45 dBA L_{eq} nighttime exterior noise level standards at all nearby receiver locations. Therefore, the operational noise impacts are considered *less than significant* at the nearby noise sensitive receiver locations.

TABLE 7-5: OPERATIONAL NOISE LEVEL COMPLIANCE

Receiver Location ¹	Project Operational Noise Levels (dBA Leq) ²		Noise Level Standards (dBA Leq) ³		Noise Level Standards Exceeded? ⁴	
	Daytime	Nighttime	Daytime	Nighttime	Daytime	Nighttime
R1	43.7	42.7	55	45	No	No
R2	45.8	44.8	55	45	No	No
R3	31.6	30.3	55	45	No	No
R4	36.6	35.5	55	45	No	No

¹ See Exhibit 6-A for the receiver locations.

² Proposed Project operational noise levels as shown on Tables 7-3 and 7-4.

³ Exterior noise level standards, as shown on Table 3-1.

⁴ Do the estimated Project operational noise source activities exceed the noise level standards?

"Daytime" = 7:00 a.m. - 10:00 p.m.; "Nighttime" = 10:00 p.m. - 7:00 a.m.

7.5 PROJECT OPERATIONAL NOISE LEVEL INCREASES

To describe the Project operational noise level increases, the Project operational noise levels are combined with the existing ambient noise levels measurements for the nearby receiver locations potentially impacted by Project operational noise sources. Since the units used to measure noise, decibels (dB), are logarithmic units, the Project-operational and existing ambient noise levels cannot be combined using standard arithmetic equations. (3) Instead, they must be logarithmically added using the following base equation:

$$SPL_{Total} = 10\log_{10}[10^{SPL1/10} + 10^{SPL2/10} + \dots 10^{SPLn/10}]$$

Where "SPL1," "SPL2," etc. are equal to the sound pressure levels being combined, or in this case, the Project-operational and existing ambient noise levels. The difference between the combined Project and ambient noise levels describes the Project noise level increases to the existing ambient noise environment. As indicated on Tables 7-6 and 7-7, the Project will generate daytime and nighttime operational noise level increases ranging from 0.0 to 0.2 dBA Leq at the nearby receiver locations. Project-related operational noise level increases will satisfy the operational noise level increase significance criteria presented on Table 4-1. Therefore, the incremental Project operational noise level increase is considered *less than significant* at all receiver locations.

TABLE 7-6: DAYTIME PROJECT OPERATIONAL NOISE LEVEL INCREASES

Receiver Location ¹	Total Project Operational Noise Level ²	Measurement Location ³	Reference Ambient Noise Levels ⁴	Combined Project and Ambient ⁵	Project Increase ⁶	Increase Criteria ⁷	Increase Criteria Exceeded?
R1	43.7	L1	61.4	61.5	0.1	3.0	No
R2	45.8	L2	66.3	66.3	0.0	1.5	No
R3	31.6	L3	60.6	60.6	0.0	3.0	No
R4	36.6	L4	72.2	72.2	0.0	1.5	No

¹ See Exhibit 6-A for the receiver locations.

² Total Project daytime operational noise levels as shown on Table 7-3.

³ Reference noise level measurement locations as shown on Exhibit 5-A.

⁴ Observed daytime ambient noise levels as shown on Table 5-1.

⁵ Represents the combined ambient conditions plus the Project activities.

⁶ The noise level increase expected with the addition of the proposed Project activities.

⁷ Significance increase criteria as shown on Table 4-1.

TABLE 7-7: NIGHTTIME OPERATIONAL NOISE LEVEL INCREASES

Receiver Location ¹	Total Project Operational Noise Level ²	Measurement Location ³	Reference Ambient Noise Levels ⁴	Combined Project and Ambient ⁵	Project Increase ⁶	Increase Criteria ⁷	Increase Criteria Exceeded?
R1	42.7	L1	57.1	57.3	0.2	5.0	No
R2	44.8	L2	68.0	68.0	0.0	1.5	No
R3	30.3	L3	54.7	54.7	0.0	5.0	No
R4	35.5	L4	65.0	65.0	0.0	1.5	No

¹ See Exhibit 6-A for the receiver locations.

² Total Project nighttime operational noise levels as shown on Table 7-4.

³ Reference noise level measurement locations as shown on Exhibit 5-A.

⁴ Observed nighttime ambient noise levels as shown on Table 5-1.

⁵ Represents the combined ambient conditions plus the Project activities.

⁶ The noise level increase expected with the addition of the proposed Project activities.

⁷ Significance increase criteria as shown on Table 4-1.

8 CONSTRUCTION IMPACTS

This section analyzes potential impacts resulting from the short-term construction activities associated with the development of the Project. Exhibit 8-A shows the construction noise source locations in relation to the nearest sensitive receiver locations previously described in Section 6.

8.1 CONSTRUCTION NOISE LEVELS

Noise generated by the Project construction equipment will include a combination of trucks, power tools, concrete mixers, and portable generators that when combined can reach high levels. The number and mix of construction equipment are expected to occur in the following stages:

- Demolition
- Site Preparation
- Grading
- Building Construction
- Paving
- Architectural Coating

8.2 CONSTRUCTION REFERENCE NOISE LEVELS

To describe peak construction noise activities, this construction noise analysis was prepared using reference noise level measurements published in the *Update of Noise Database for Prediction of Noise on Construction and Open Sites* by the Department for Environment, Food and Rural Affairs (DEFRA). (18). The DEFRA database provides the most recent and comprehensive source of reference construction noise levels. Table 8-1 provides a summary of the DEFRA construction reference noise level measurements expressed in hourly average dBA L_{eq} using the estimated FHWA Roadway Construction Noise Model (RCNM) usage factors (19) to describe the typical construction activities for each stage of Project construction.

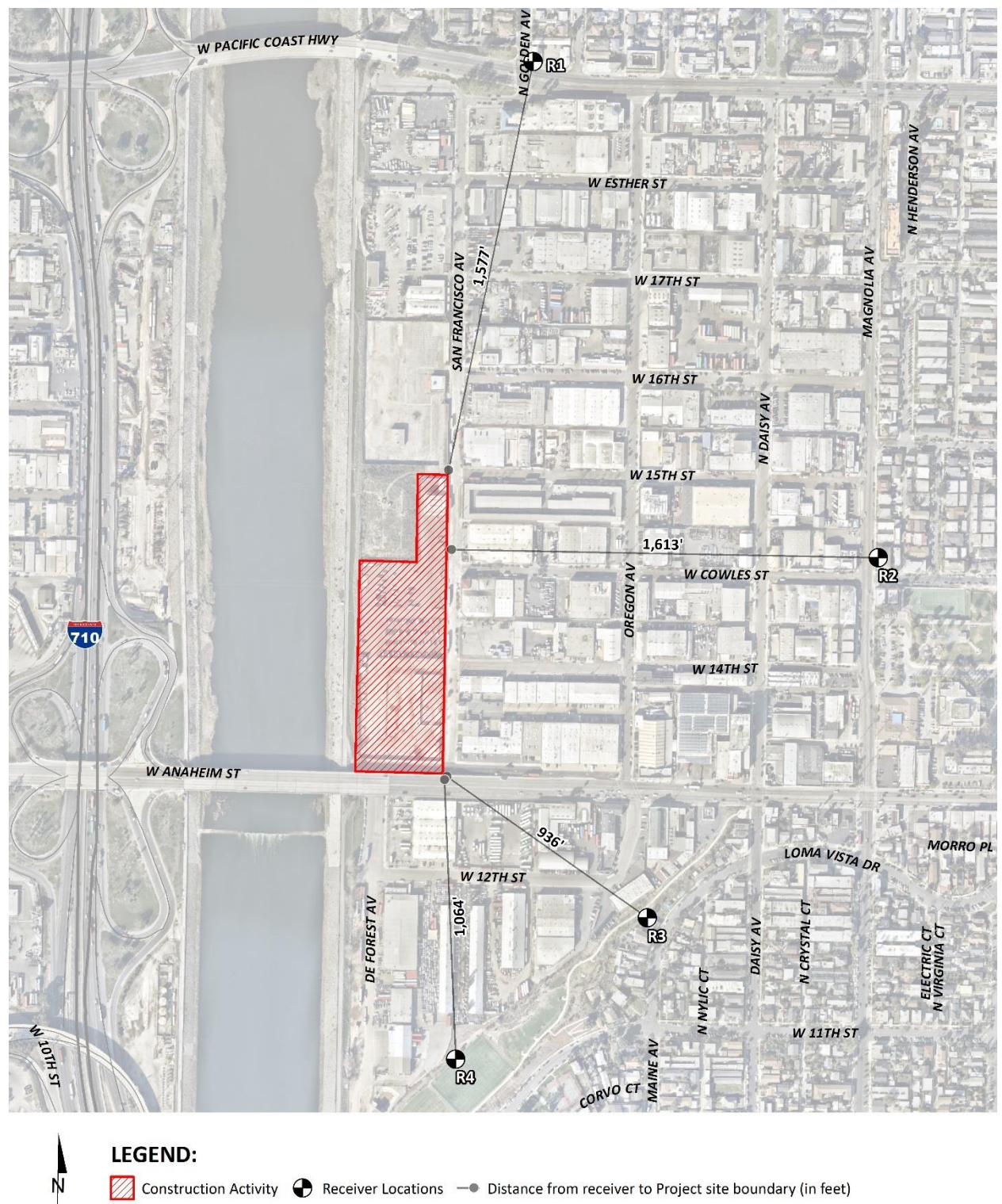


TABLE 8-1: TYPICAL CONSTRUCTION REFERENCE NOISE LEVELS

Construction Stage	Reference Construction Activity ¹	Reference Noise Level @ 50 Feet (dBA L _{eq})	Highest Reference Noise Level (dBA L _{eq})
Demolition	Demolition Equipment	69	71
	Backhoes	61	
	Hauling Trucks	71	
Site Preparation	Crawler Tractors	77	77
	Hauling Trucks	71	
	Rubber Tired Dozers	71	
Grading	Graders	79	79
	Excavators	64	
	Compactors	67	
Building Construction	Cranes	67	72
	Tractors	72	
	Welders	65	
Paving	Pavers	70	70
	Paving Equipment	69	
	Rollers	69	
Architectural Coating	Cranes	67	67
	Air Compressors	67	
	Generator Sets	67	

¹ Update of Noise Database for Prediction of Noise on Construction and Open Sites by the Department for Environment, Food and Rural Affairs (DEFRA) expressed in hourly average L_{eq} based on estimated usage factors from the FHWA Roadway Construction Noise Model (RCNM).

8.3 TYPICAL CONSTRUCTION NOISE ANALYSIS

Using the reference construction equipment noise levels and the CadnaA noise prediction model, calculations of the Project construction noise level impacts at the nearest sensitive receiver locations were completed. To assess the worst-case construction noise levels, the Project construction noise analysis relies on the highest noise level impacts when the equipment with the highest reference noise level is operating at the closest point from the edge of primary construction activity (Project site boundary) to each receiver location. As shown on Table 8-2, the construction noise levels are expected to range from 42.4 to 59.1 dBA L_{eq}, and the highest construction levels are expected to range from 54.4 to 59.1 dBA L_{eq} at the nearest receiver locations. Appendix 8.1 includes the detailed CadnaA construction noise model inputs.

TABLE 8-2: TYPICAL CONSTRUCTION EQUIPMENT NOISE LEVEL SUMMARY

Receiver Location ¹	Construction Noise Levels (dBA L _{eq})						
	Demolition	Site Preparation	Grading	Building Construction	Paving	Architectural Coating	Highest Levels ²
R1	46.4	52.4	54.4	47.4	45.4	42.4	54.4
R2	48.3	54.3	56.3	49.3	47.3	44.3	56.3
R3	51.1	57.1	59.1	52.1	50.1	47.1	59.1
R4	50.1	56.1	58.1	51.1	49.1	46.1	58.1

¹ Noise receiver locations are shown on Exhibit 8-A.

² Construction noise level calculations based on distance from the project site boundaries (construction activity area) to the nearest receiver locations. CadnaA construction noise model inputs are included in Appendix 8.1.

8.4 TYPICAL CONSTRUCTION NOISE LEVEL COMPLIANCE

To evaluate whether the Project will generate potentially significant short-term noise levels at nearest receiver locations, a construction-related daytime noise level threshold of 80 dBA L_{eq} is used as a reasonable threshold to assess the daytime construction noise level impacts. The construction noise analysis shows that the nearest receiver locations will satisfy the reasonable daytime 80 dBA L_{eq} significance threshold during Project construction activities as shown on Table 8-3. Therefore, the noise impacts due to Project construction noise is considered *less than significant* at all receiver locations.

TABLE 8-3: TYPICAL CONSTRUCTION NOISE LEVEL COMPLIANCE

Receiver Location ¹	Construction Noise Levels (dBA L _{eq})		
	Highest Construction Noise Levels ²	Threshold ³	Threshold Exceeded? ⁴
R1	54.4	80	No
R2	56.3	80	No
R3	59.1	80	No
R4	58.1	80	No

¹ Noise receiver locations are shown on Exhibit 8-A.

² Highest construction noise level calculations based on distance from the construction noise source activity to the nearest receiver locations as shown on Table 8-2.

³ Construction noise level thresholds as shown on Table 4-1.

⁴ Do the estimated Project construction noise levels exceed the construction noise level threshold?

8.6 TYPICAL CONSTRUCTION VIBRATION IMPACTS

Construction activity can result in varying degrees of ground vibration, depending on the equipment and methods employed. Operation of construction equipment causes ground vibrations that spread through the ground and diminish in strength with distance. Ground vibration levels associated with various types of construction equipment are summarized on Table 8-4. Based on the representative vibration levels presented for various construction equipment types, it is possible to estimate the potential for human response (annoyance) and building damage using the following vibration assessment methods defined by the FTA. To

describe the vibration impacts the FTA provides the following equation: $PPV_{\text{equip}} = PPV_{\text{ref}} \times (25/D)^{1.5}$

TABLE 8-4: VIBRATION SOURCE LEVELS FOR CONSTRUCTION EQUIPMENT

Equipment	PPV (in/sec) at 25 feet
Small bulldozer	0.003
Jackhammer	0.035
Loaded Trucks	0.076
Large bulldozer	0.089

Federal Transit Administration, Transit Noise and Vibration Impact Assessment Manual

Using the vibration source level of construction equipment provided on Table 8-4 and the construction vibration assessment methodology published by the FTA, it is possible to estimate the Project vibration impacts. Table 8-5 presents the expected Project related vibration levels at the nearby receiver locations. At distances ranging from 936 to 1,613 feet from Project construction activities, construction vibration velocity levels are estimated to be 0.000 in/sec PPV. Based on maximum acceptable continuous vibration threshold of 0.3 PPV (in/sec) for older residential buildings, the typical Project construction vibration levels will satisfy the building damage thresholds at all receiver locations. In addition, the typical construction vibration levels at the nearest sensitive receiver locations are unlikely to be sustained during the entire construction period but will occur rather only during the times that heavy construction equipment is operating adjacent to the Project site boundaries.

TABLE 8-5: CONSTRUCTION EQUIPMENT VIBRATION LEVELS

Receiver ¹	Distance to Const. Activity (Feet) ²	Typical Construction Vibration Levels PPV (in/sec) ³					Thresholds PPV (in/sec) ⁴	Thresholds Exceeded? ⁵
		Small bulldozer	Jackhammer	Loaded Trucks	Large bulldozer	Highest Vibration Level		
R1	1,577'	0.000	0.000	0.000	0.000	0.000	0.3	No
R2	1,613'	0.000	0.000	0.000	0.000	0.000	0.3	No
R3	936'	0.000	0.000	0.000	0.000	0.000	0.3	No
R4	1,064'	0.000	0.000	0.000	0.000	0.000	0.3	No

¹ Receiver locations are shown on Exhibit 9-A.

² Distance from receiver location to Project construction boundary.

³ Based on the Vibration Source Levels of Construction Equipment (Table 6-4).

⁴ Caltrans Transportation and Construction Vibration Guidance Manual, April 2020, Tables 19, p. 38.

⁵ Does the peak vibration exceed the acceptable vibration thresholds?

"PPV" = Peak Particle Velocity

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9 REFERENCES

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7. **U.S. Environmental Protection Agency Office of Noise Abatement and Control.** *Noise Effects Handbook-A Desk Reference to Health and Welfare Effects of Noise.* October 1979 (revised July 1981). EPA 550/9/82/106.
8. **U.S. Department of Transportation, Federal Transit Administration.** *Transit Noise and Vibration Impact Assessment Manual.* September 2018.
9. **Office of Planning and Research.** *State of California General Plan Guidelines.* 2018.
10. **City of Long Beach.** *General Plan Noise Element.* 1975.
11. —. *City of Long Beach Municipal Code, Chapter 8.80 - Noise.*
12. —. *Municipal Code, Section 8.80.202 Construction Activity - Noise Regulations.*
13. **California Department of Transportation.** *Transportation and Construction Vibration Guidance Manual.* April 2020.
14. **California Court of Appeal.** *Gray v. County of Madera, F053661.* 167 Cal.App.4th 1099; - Cal.Rptr.3d, October 2008.
15. **Federal Interagency Committee on Noise.** *Federal Agency Review of Selected Airport Noise Analysis Issues.* August 1992.
16. **California Department of Transportation.** *Technical Noise Supplement.* November 2009.
17. **American National Standards Institute (ANSI).** *Specification for Sound Level Meters ANSI S1.4-2014/IEC 61672-1:2013.*
18. **Department of Environment, Food and Rural Affairs (Defra).** *Update of Noise Database for Prediction of Noise on Construction and Open Sites.* 2004.
19. **FHWA.** *Roadway Construction Noise Model.* January 2006.

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10 CERTIFICATION

The contents of this noise study report represent an accurate depiction of the noise environment and impacts associated with the proposed San Francisco Avenue Project. The information contained in this noise study report is based on the best available data at the time of preparation. If you have any questions, please contact me directly at (949) 336-5979.

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EDUCATION

Master of Science in Civil and Environmental Engineering
California Polytechnic State University, San Luis Obispo • December 1993

Bachelor of Science in City and Regional Planning
California Polytechnic State University, San Luis Obispo • June 1992

PROFESSIONAL REGISTRATIONS

PE – Registered Professional Traffic Engineer – TR 2537 • January, 2009
AICP – American Institute of Certified Planners – 013011 • June 1997–January 1, 2012
PTP – Professional Transportation Planner • May, 2007 – May, 2013
INCE – Institute of Noise Control Engineering • March 2004

PROFESSIONAL AFFILIATIONS

ASA – Acoustical Society of America
ITE – Institute of Transportation Engineers

PROFESSIONAL CERTIFICATIONS

Certified Acoustical Consultant – County of Orange • February, 2011
FHWA-NHI-142051 Highway Traffic Noise Certificate of Training • February 2013

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APPENDIX 3.1:

CITY OF LONG BEACH MUNICIPAL CODE

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CHAPTER 8.80 NOISE

8.80.010 Policy.

- A. In order to control unnecessary, excessive and annoying noise and vibration in the City, it is declared to be the policy of the City to prohibit such noise and vibration generated from or by all sources as specified in this Chapter. It shall be the policy of the City to maintain quiet in those areas which exhibit low noise levels and to implement programs aimed at reducing noise in those areas within the City where noise levels are above acceptable values.
- B. It is determined that certain noise levels and vibrations are detrimental to the public health, welfare and safety, and are contrary to the public interest. Therefore, the City Council does ordain and declare that creating, maintaining, causing or allowing to be created, caused or maintained, any noise or vibration in a manner prohibited by or not in conformity with the provisions of this Chapter is a public nuisance and shall be punishable as such.
- C. The City Council in adopting this Chapter is aware of the areas of noise control which are preempted by other jurisdictions. Enforcement of these regulations is understood by the City Council to be restricted, in addition to other limitations, by the following:
 - 1. It is not the intent of this Chapter to control aircraft noise at the Long Beach Airport. Federal law controls noise levels of aircraft in flight; and where federal preemption does not apply to aircraft on the ground, the appropriate provisions of the California Noise Law (Title 4, California Administrative Code, Subchapter 6) would be applicable to deal with this subject matter.
 - 2. Local noise control of motor vehicles or motorboats operating on public rights-of-way is preempted by State or federal laws and regulations.
 - 3. Noise in occupational environments is controlled by the California Department of Industrial Relations, whose Division of Industrial Safety enforces the 1973 California Occupational Safety and Health Act (CALOSHA).

(Ord. C-5371 § 1 (part), 1977: prior code § 4430)

8.80.020 Definitions.

All terminology used in this Chapter, if not defined in this Section, shall have the same meaning as defined by applicable publications of the American National Standards Institute (ANSI), or its successor body.

- 1. "A-weighted sound level" means the sound pressure level in decibels as measured on a sound level meter using the A-weighting network. The level so read is designated dB(A) or dBA.
- 2. "Agricultural property" means a parcel of real property which is not developed for any use other than agricultural purposes. Its size shall be construed to be a minimum of ten (10) contiguous acres.
- 3. "Ambient noise level" means the composite of noise from all sources near and far. In this context, the ambient noise level constitutes the normal or existing level of environmental noise at a given location.
- 4. "Commercial area" means any area occupied by businesses which sell, rent, trade, or store goods, or which provide a service.

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5. "Commercial purpose" means the use, operation or maintenance of any sound amplifying equipment for the purpose of advertising any business, goods, or services, or for the purpose of attracting the attention of the public, or soliciting patronage of customers to any performance, show, entertainment, exhibition, or event, or for the purpose of demonstrating such sound equipment.
 6. "Construction" means any site preparation, assembly, erection, substantial repair, alteration, or similar action, but excluding demolition.
 7. "Cumulative period" means an additive period of time composed of individual time segments which may be continuous or interrupted.
 8. "Decibel (dB)" means a unit for measuring the amplitude of a sound, equal to twenty (20) times the logarithm to the base 10 of the ratio of the pressure of the sound measured to the reference pressure, which is twenty (20) micropascals (twenty (20) micronewtons per square meter).
 9. "Demolition" means any dismantling, intentional destruction or removal of structures, utilities, public or private right-of-way surfaces or similar property.
 10. "Emergency" means any occurrence or set of circumstances involving actual or imminent physical trauma or property damage which demands immediate action.
 11. "Emergency work" means any work performed for the purpose of preventing or alleviating the physical trauma or property damage threatened or caused by an emergency.
 12. "Fixed noise source" means a stationary device which creates sound while fixed or motionless, including, but not limited to, residential, agricultural, industrial, and commercial machinery and equipment, pumps, fans, compressors, air conditioners, and refrigeration equipment.
 13. "Gross vehicle weight rating (GVWR)" means the value specified by the manufacturer as the recommended maximum loaded weight of a single motor vehicle. In cases where trailers and tractors are separable, the gross combination weight rating, which is the value specified by the manufacturer as the recommended maximum loaded weight of the combination vehicle shall be used.
 14. "Impulsive sound" means sound of short duration, usually less than one (1) second, with an abrupt onset and rapid decay. Examples of sources of impulsive sound include explosions, drop forge impacts, and the discharge of firearms.
 15. "Industrial area" means any area occupied by land uses whose primary operation involves manufacturing, assembling, processing, or otherwise treating raw materials, semifinished products, or finished products, for packaging and distribution to either wholesale or retail markets.
 16. "Intrusive noise" means that noise which intrudes over and above the existing ambient noise at a given location. The relative intrusiveness of a sound depends upon its amplitude, duration, frequency and time of occurrence, and tonal or informational content as well as the prevailing ambient noise level.
 17. "Licensed" means the issuance of a formal license or a permit by a City authority; or, where no permits or licenses are issued, the sanctioning of the activity by the City as noted in the public record.
 18. "Mobile noise source" means any noise source other than a fixed noise source.
 19. "Motor carrier vehicle engaged in interstate commerce" means any vehicle for which regulations apply pursuant to Section 18 of the Federal Noise Control Act of 1972 (P. L. 92-574), as amended, pertaining to motor carriers engaged in interstate commerce.
 20. "Motor vehicle" includes any and all self-propelled vehicles as defined in the California Motor Vehicle Code, including all on-highway type motor vehicles subject to registration under said code, and all off-highway type motor vehicles subject to identification under said code.

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21. "Motorboat" means any vessel which operates on water and which is propelled by a motor, including, but not limited to, boats, barges, amphibious craft, waterski-towing devices and hovercrafts.
 22. "Muffler or sound dissipative device" means a device for abating the sound of escaping gases of an internal combustion engine.
 23. "Noise" means any sound which annoys or disturbs humans or which causes or tends to cause an adverse psychological or physiological effect on humans.
 24. "Noise control office" means the City agency designated by the City Manager having the lead responsibility and authority to enforce this Chapter and to grant variances.
 25. "Noise control officer" means the City official appointed by the City Manager to direct the noise control office.
 26. "Noise disturbance" means any sound which (a) endangers or injures the safety or health of humans or animals, or (b) annoys or disturbs a reasonable person of normal sensitivities, or (c) endangers or injures personal or real property.
 27. "Noise sensitive zone" means any area designated pursuant to Section 8.80.030 for the purpose of insuring exceptional quiet.
 28. "Noise source" means a disturbance-causing operation which originates from a single unit or noise generating mechanism which operates simultaneously. Example of a single noise source is the combination of motor, pump, and compressor; oil drilling rig; or a power plant with several boilers.
 29. "Noise zone" means defined areas or regions of a generally consistent land use community wherein the ambient noise levels are generally similar (within a range of five (5) decibels). Typically, most sites within any given noise zone will be of comparable proximity to major noise sources.
 30. "Noncommercial purpose" means the use, operation or maintenance of any sound equipment for other than a commercial purpose, including, but not limited to, philanthropic, political, patriotic and charitable purposes.
 31. "Person" means any individual, association, partnership or corporation, and includes any officer, employee, department, agency or instrumentality of a State or any political subdivision of a State.
 32. "Powered model vehicle" means any self-propelled airborne, waterborne, or land-borne plane, vessel or vehicle which is not designed to carry persons, including, but not limited to, any model airplane, boat, car or rocket.
 33. "Public right-of-way" means any street, avenue, boulevard, highway, sidewalk or alley or similar place which is owned or controlled by a governmental entity.
 34. "Public space" means any real property or structures thereon which are owned or controlled by a governmental entity.
 35. "Pure tone" means any sound which can be distinctly heard as a single pitch or a set of single pitches. For the purposes of this Chapter, a pure tone shall exist if the one-third ($\frac{1}{3}$) octave band sound pressure level in the band with the tone exceeds the arithmetic average of the sound pressure levels of the two (2) contiguous one-third ($\frac{1}{3}$) octave bands by five (5) decibels for center frequencies of five hundred (500) hertz and above and by eight (8) decibels for center frequencies between one hundred sixty (160) and four hundred (400) hertz and by fifteen (15) decibels for center frequencies less than or equal to one hundred twenty-five (125) hertz.
 36. "Real property boundary" means an imaginary line along the ground surface, and its vertical extension, which separates the real property owned by one (1) person from that owned by another person, but not including intra-building real property divisions.

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37. "Residential area" means any area wherein the dominant land use is devoted to maintenance, preservation, or propagation of residential dwelling units.
 38. "RMS sound pressure" means the square root of the time averaged square of the sound pressure, denoted P_{rms} .
 39. "Sound" means an oscillation in pressure, particle displacement, particle velocity or other physical parameter, in a medium with internal forces that causes compression and rarefaction of that medium. The description of sound may include any characteristic of such sound, including duration, intensity and frequency.
 40. "Sound amplifying equipment" means any machine or device for the amplification of the human voice, or music, or any other sound, excluding standard automobiles when used and heard only by the occupants of the vehicle in which the device is installed and, as used in this Chapter, warning devices on authorized emergency vehicles or horns or other warning devices on any vehicle used only for traffic safety purposes.
 41. "Sound level" means the weighted sound pressure level obtained by the use of a sound level meter and frequency weighting network, such as A, B or C, as specified in American National Standards Institute specifications for sound level meters (ANSI S1.4-1971 or the latest approved revision thereof). If the frequency weighting employed is not indicated, the A-weighting shall apply.
 42. "Sound level meter" means an instrument, including a microphone, an amplifier, an output meter, and frequency weighting networks for the measurement of sound levels, which satisfies the requirements pertinent for type S2A meters in American National Standards Institute specifications for sound level meters, S1.4-1971, or the most recent revision thereof.
 43. "Sound pressure" means the instantaneous difference between the actual pressure and the average or barometric pressure at a given point in space, as produced by sound energy.
 44. "Sound pressure level" means twenty (20) times the logarithm to the base ten of the ratio of the RMS sound pressure to the reference pressure of twenty (20) micropascals ($20 \times 10^6 \text{ N/M}^2$). The sound pressure level is denoted L_p or SPL and is expressed in decibels.
 45. "Sound truck" means any motor vehicle or any other vehicle, regardless of motive power, whether in motion or stationary, having mounted thereon, or attached thereto, any sound amplifying equipment.
 46. "Vibration" means mechanical motion of the earth or ground, building, or other type of structure, induced by the operation of any mechanical device or equipment located upon or affixed thereto. For purposes of this Chapter, the magnitude of the vibration shall be stated as the acceleration in "g" units (1 g is equal to 32.2 ft/sec^2 , $9.81 \text{ meters/sec}^2$).
 47. "Weekday" means any day, Monday through Friday, which is not a federal holiday.

(Ord. C-5371 § 1 (part), 1977: prior code § 4430.1)

8.80.030 Administration and enforcement.

The noise control program established by this Chapter shall be administered by the noise control office as designated by the City Manager. An official within the noise control office shall be appointed as the Noise Control Officer and shall be a person with sufficient knowledge of environmental acoustics to enforce noise regulations.

(Ord. C-5371 § 1 (part), 1977: prior code § 4430.2 (a))

8.80.040 Noise control office—Powers.

In order to implement and enforce this Chapter and for the general purpose of noise abatement and control, the noise control office shall have, in addition to any other authority vested in it, the power to:

- A. Studies. Conduct, or cause to be conducted, studies, research, and monitoring related to noise, including joint cooperative investigation with public or private agencies, and make application for and accept grants;
- B. Education.
 - 1. Conduct programs of public education regarding:
 - a. The cause and effect of noise and general methods of abatement and control of noise, and
 - b. The actions prohibited by this Chapter and the procedures for reporting violations, and
 - 2. Encourage the participation of public interest groups in related public information efforts,
 - 3. Provide for training of field inspectors and other technical personnel concerned with noise abatement (in conformance with standards for technical qualifications as established by the State Office of Noise Control).
- C. Coordination and Cooperation.
 - 1. Coordinate the noise control activities of all municipal departments,
 - 2. Cooperate where practicable with all appropriate State and federal agencies,
 - 3. Cooperate or combine where practicable with appropriate County and municipal agencies,
 - 4. Advise on the availability of low noise emission products for replacement or retrofit of existing or planned City owned or operated equipment,
 - 5. Enter into contract with the approval of the City Manager for the provision of technical and enforcement services;
- D. Actions of Other Departments. Request any other department or agency responsible for a proposed or final standard, regulation or similar action to consult on the advisability of revising the action, if there is reason to believe that the action is not consistent with this Chapter;
- E. Public and Private Projects. On all public and private projects which are likely to cause sound in violation of this Chapter and which are subject to mandatory review or approval by other departments or agencies, or which under the environmental review process are judged to be likely to violate these regulations:
 - 1. Review to determine compliance with the intent and provisions of this Chapter,
 - 2. Recommend sound analysis which identify existing and projected noise sources and associated sound levels,
 - 3. Recommend usage of adequate measures to avoid violation of any provision of this Chapter;
- F. Inspections. Upon presentation of proper credentials, enter and/or inspect any private property, place, report, or records at any time when granted permission by the owner, or by some other person with apparent authority to act for the owner. When permission is refused or cannot be obtained, a search or inspection warrant may be obtained from a court of competent jurisdiction upon showing of probable cause to believe that a violation of this Chapter may exist. Such inspection may include administration of any necessary tests;

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- G. Product Performance Standard Recommendations. Develop and recommend (to the City Council or other City agency) provision regulating the use and operation of any product, including the description of maximum sound emission levels of such product, but not in such a manner as to conflict with federal or State new product regulations;
 - H. Noise Sensitive Zone Recommendation and Enforcement. Prepare recommendations to be approved by the City Council, for the designation of noise sensitive zones which contain noise sensitive activities and to enforce the provisions of Sections 8.80.150 through 8.80.180 on City Council designated noise sensitive zones;
 - I. Noise Zone Definition. Prepare recommendations, based upon noise survey data and analytical studies, to be approved by the City Council, for the designation of zones of similar ambient environmental noise within regions of generally consistent land use. These zones shall be identified in terms of their day and nighttime ambient noise levels by the classifications given in Section 8.80.160, Table A;
 - J. Zoning Changes. Prior to the approval of any zoning change:
 - 1. Review the noise impact of the zoning change by identifying existing and projected noise sources and the associated sound levels,
 - 2. Require usage of adequate measures on noise sources identified in subdivision 1 of this subsection which will be in violation of any provision of this Chapter.

(Ord. C-5371 § 1 (part), 1977: prior code § 4430.2 (b))

8.80.050 Noise Control Officer—Duties.

In order to effectively implement and enforce this Chapter, the Noise Control Officer shall, within a reasonable time:

- A. Investigate and Pursue Violations. Investigate and pursue possible violations of this Chapter;
- B. Delegation of Authority. Delegate functions, where appropriate under this Chapter, to personnel within the noise control office and to other departments, subject to the approval of the City Manager;
- C. Community Noise Element.
 - 1. Assist in the preparation or revision thereof of the City noise element of the general plan as required by Government Code Section 65302 (g), following guidelines set forth by the State Office of Noise Control,
 - 2. Assist in or review the total transportation planning of the City, including planning for new roads and highways, bus routes, airports, and other systems for public transportation, to insure that proper consideration is taken with regard to the impact of sound levels and that the policies set forth in the noise element are adhered to,
 - 3. Provide ongoing assistance to local agencies in determining possible mitigating measures for current or future noise problems;
- D. Airport Noise Exposure. Assist the department of aeronautics in developing a plan for noise compatible land use in the vicinity of the Long Beach Airport and maintain consistency with the provisions and policies of the noise element of the general plan;
- E. State and Federal Laws and Regulations.
 - 1. Prepare and publish with the approval of the City Council a list of those products manufactured to meet specified noise emission limits under federal, State or community law for which tampering enforcement will be conducted, and

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2. Make recommendations for modification or amendments to this Chapter to insure consistency with all State and federal laws and regulations;
- F. Administer Grants, Funds and Gifts. Administer noise program grants, funds and gifts from public and private sources, including the State and federal governments;
 - G. Monitoring Responsibilities. Notwithstanding the preemption by federal and State agencies of the enforcement powers over certain activities, such as those at the Long Beach Airport and at the Long Beach Marine Stadium, the Noise Control Officer shall monitor noise generated by such preempted activities and report any violations of State or federal regulations to the appropriate enforcement agencies and to the City Council.

(Ord. C-5371 § 1 (part), 1977: prior code § 4430.2 (c))

8.80.060 City departments—Policy conformance.

All departments shall, to the fullest extent consistent with their authorities under other ordinances administered by them, carry out their programs in such a manner as to further the policies stated in Section 8.80.010.

(Ord. C-5371 § 1 (part), 1977: prior code § 4430.3 (a))

8.80.070 City departments—Cooperation.

All departments shall cooperate with the noise control office to the fullest extent in enforcing the noise regulations of this Chapter.

(Ord. C-5371 § 1 (part), 1977: prior code § 4430.3 (b))

8.80.080 City departments—Legal compliance.

All departments engaged in any activities which result or may result in the emission of noise, shall comply with federal and State laws and regulations, as well as the provisions of this Chapter, respecting the control and abatement of noise to the same extent that any person is subject to such laws and regulations.

(Ord. C-5371 § 1 (part), 1977: prior code § 4430.3 (c))

8.80.090 City departments—Project approval.

Each department whose duty it is to review and approve new projects or changes to existing projects that result, or may result, in the emission of noise shall consult with the noise control office prior to any such approval.

(Ord. C-5371 § 1 (part), 1977: prior code § 4430.3 (d))

8.80.100 City departments—Review of actions.

If at any time the Noise Control Officer has reason to believe that a standard, regulation, or action or proposed standard, regulation or action of any department respecting noise does not conform to the intent of Section 8.80.010, he may request such department to review and report to him on the advisability of revising such standard or regulation to conform.

(Ord. C-5371 § 1 (part), 1977: prior code § 4430.3 (e))

8.80.110 City departments—Contract compliance.

Any written agreement, purchase order, or instrument whereby the City is committed to the expenditure of funds in return for work, labor, services, supplies, equipment, materials, or any combination of the foregoing, shall not be entered into unless such agreement, purchase order, or instrument contains provisions requiring that any equipment or activities which are subject to the provisions of this Chapter will be operated, constructed, conducted, or manufactured without causing violation of this Chapter.

(Ord. C-5371 § 1 (part), 1977: prior code § 4430.3 (f))

8.80.120 City departments—Low noise emission product use.

Any product which has been certified by the Administrator of the United States Environmental Protection Agency pursuant to Section 15 of the Noise Control Act of 1972 as a low noise emission product and which is determined to be suitable for use as a substitute shall be used in preference to any other product where economically feasible.

(Ord. C-5371 § 1 (part), 1977: prior code § 4430.3 (g))

8.80.130 Disturbing noises prohibited.

- A. Notwithstanding any other provision of this Chapter, and in addition thereto, it is unlawful for any person to willfully make or continue, or cause to be made or continued, a loud, unnecessary or unusual noise which disturbs the peace and quiet of any neighborhood or which causes any discomfort or annoyance to any reasonable person of normal sensitiveness residing in the area.
- B. The standards which shall be considered in determining whether a violation of the provisions of this Section exist shall include, but not be limited to the following:
 - 1. The sound level of the objectionable noise;
 - 2. The sound level of the ambient noise;
 - 3. The proximity of the noise to residential sleeping facilities;
 - 4. The nature and zoning of the area within which the noise emanates;
 - 5. The density of the inhabitation of the area within which the noise emanates;
 - 6. The time of day or night the noise occurs;
 - 7. The duration of the noise and its tonal, informational or musical content;
 - 8. Whether the noise is continuous, recurrent, or intermittent;
 - 9. Whether the noise is produced by a commercial or noncommercial activity.

(Ord. C-5371 § 1 (part), 1977: prior code § 4430.4)

8.80.140 Noise measurement procedure.

The measurement procedure presented in this Section assumes that personnel performing the noise measurements have been trained in the use of the instruments and in interpretation of measured data. Upon receipt of a complaint from a citizen, the Noise Control Officer, or his agent, equipped with sound level measurement equipment satisfying the requirements specified in Section 8.80.020, shall investigate the complaint.

The investigation shall consist of a measurement and the gathering of data to adequately define the noise problem as specified in the California Office of Noise Control Model Enforcement Manual, and shall include the following:

- A. Nonacoustic Data.
 - 1. Type of noise source;
 - 2. Location of noise source relative to complainant's property;
 - 3. Time period during which noise source is considered by complainant to be intrusive;
 - 4. Total duration of noise produced by noise source;
 - 5. Date and time of noise measurement survey.
- B. Procedure. Utilizing the A weighting scale of the sound level meter and the slow meter response, the noise level shall be measured at a position or positions along the complainant's property line closest to the noise source or at the location along the boundary line where the noise level is at a maximum. In general, the microphone shall be located five feet (5') above the ground; ten feet (10') or more from the nearest reflective surface, where possible. However, in those cases where another elevation is deemed appropriate, the latter shall be utilized. If the noise complaint is related to interior noise levels, interior noise measurements shall be made at a point at least four feet (4') from the wall, ceiling or floor nearest the noise source with windows in the normal seasonal configuration. Calibration of the instrument being used shall be performed immediately prior to and following the recording of any noise data utilizing the acoustic calibrator.

(Ord. C-5371 § 1 (part), 1977: prior code § 4430.5)

8.80.150 Exterior noise limits—Sound levels by receiving land use district.

- A. The noise standards for the various land use districts identified by the noise control office as presented in Table A in Section 8.80.160 shall, unless otherwise specifically indicated, apply to all such property within a designated district.
- B. No person shall operate or cause to be operated any source of sound at any location within the incorporated limits of the City or allow the creation of any noise on property owned, leased, occupied, or otherwise controlled by such person, which causes the noise level when measured from any other property, either incorporated or unincorporated, to exceed:
 - 1. The noise standard for that land use district as specified in Table A in Section 8.80.160 for a cumulative period of more than thirty (30) minutes in any hour; or
 - 2. The noise standard plus five (5) decibels for a cumulative period of more than fifteen (15) minutes in any hour; or
 - 3. The noise standard plus ten (10) decibels for a cumulative period of more than five (5) minutes in any hour; or
 - 4. The noise standard plus fifteen (15) decibels for a cumulative period of more than one (1) minute in any hour; or
 - 5. The noise standard plus twenty (20) decibels or the maximum measured ambient, for any period of time.
- C. If the measured ambient level exceeds that permissible within any of the first four (4) noise limit categories in Subsection B of this Section, the allowable noise exposure standard shall be increased in five (5) decibels increments in each category as appropriate to encompass or reflect the ambient noise level. In the event the

ambient noise level exceeds the fifth noise limit category in Subsection B of this Section, the maximum allowable noise level under said category shall be increased to reflect the maximum ambient noise level.

- D. If the measurement location is on a boundary between two (2) different districts, the noise level limit applicable shall be the arithmetic mean of the two (2) districts.
- E. If possible, the ambient noise shall be measured at the same location along the property line utilized in Subsection B of this Section, with the alleged offending noise source inoperative. If for any reason the alleged offending noise source cannot be shut down, then the ambient noise must be estimated by performing a measurement in the same general area of the source but at a sufficient distance such that the offending noise from the source is inaudible. If the difference between the noise levels with noise source operating and not operating is six (6) decibels or greater, then the noise measurement of the alleged source can be considered valid with a small correction applied to account for the contribution of the ambient noise. The correction is to be applied in accordance with data shown in Table B in Section 8.80.160.

(Ord. C-5371 § 1 (part), 1977: prior code § 4430.6 (a))

8.80.160 Exterior noise limits—Correction for character of sound.

In the event that alleged offensive noise contains a steady audible tone such as a whine, screech, or hum, or is a repetitive noise such as hammering or riveting or contains music or speech conveying informational content, the standard limits set forth in Table A shall be reduced by five (5) decibels.

Table A
EXTERIOR NOISE LIMITS

Receiving Land Use District*	Time Period	Noise Level** (dBA)
District One	Night:	
	10:00 p.m.—7:00 a.m.	45
	Day:	
	7:00 a.m.—10:00 p.m.	50
District Two	Night:	
	10:00 p.m.—7:00 a.m.	55
	Day:	
	7:00 a.m.—10:00 p.m.	60
District Three	Any time	65
District Four	Any time	70
District Five	Regulated by other agencies and laws	
*District One:	Predominantly residential with other land use types also present	
District Two:	Predominantly commercial with other land use types also present	

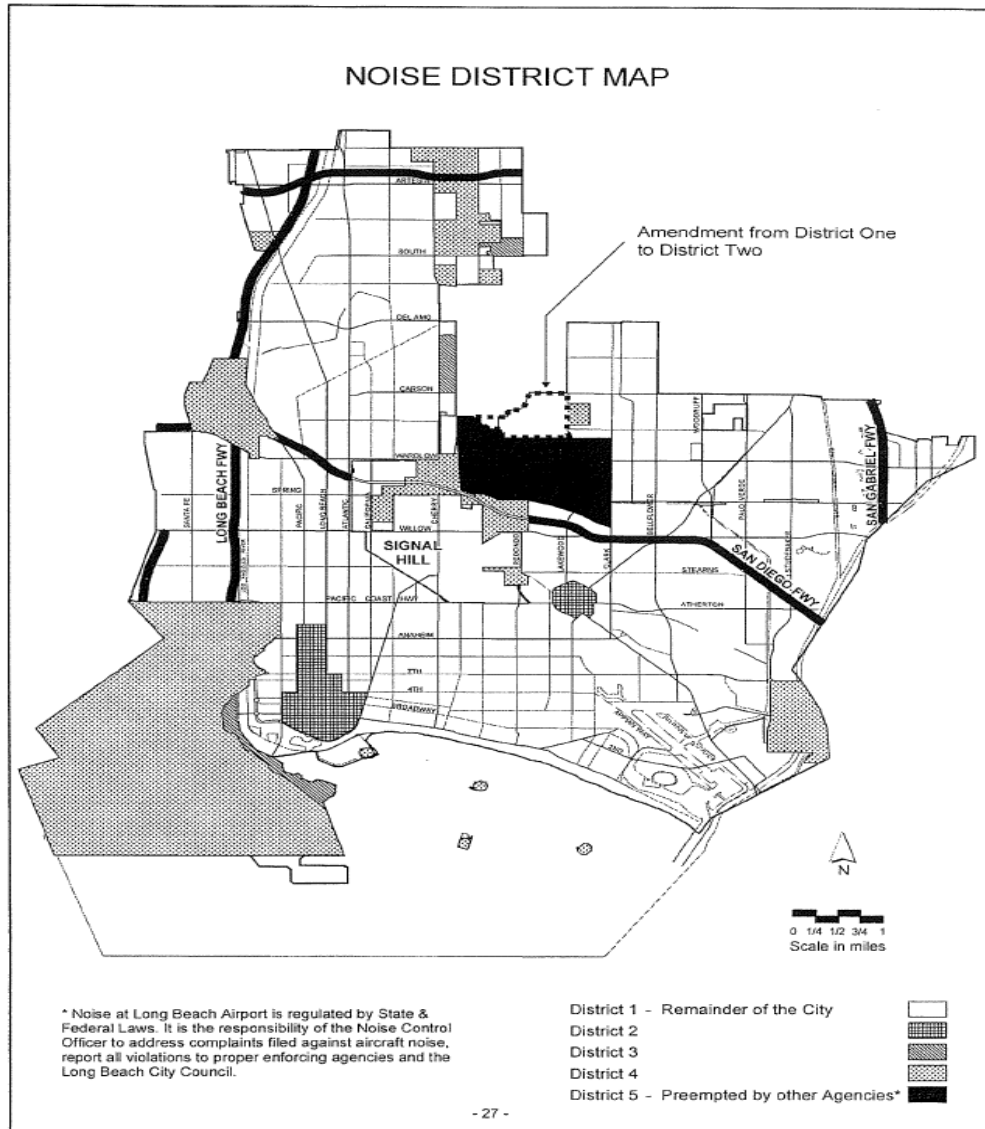
Districts Three and Four: Predominantly industrial
with other land types use
also present

District Five: Airport, freeways and
waterways regulated by
other agencies

** Districts Three and Four limits are intended primarily for use at their boundaries rather than for noise control within those districts.

Table B
BACKGROUND NOISE CORRECTION

Difference between total noise and background noise alone (decibels)	Amount to be subtracted from
6—8	1
9—10	.5



(ORD-09-0030, § 1(exh. A), 2009; Ord. C-7959 § 1 (exh. A), 2004; Ord. C-5371 § 1 (part), 1977: prior code § 4430.6(b))

8.80.170 Interior noise limits—Maximum sound levels.

- A. The interior noise standards for various land use districts as presented in Table C shall apply, unless otherwise specifically indicated, within structures located in designated zones with windows in their normal seasonal configuration.

TABLE C

Receiving Land Use District	Type of Land Use	Time Interval	Allowable Interior Noise Level (dBA)
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All	Residential	10:00 p.m.—7:00 a.m. 7:00 a.m.—10:00 p.m.	35 45
All	School	7:00 a.m.—10:00 p.m. (While school is in session)	45
Hospital, designated quiet zones and noise sensitive zones		Any time	40

- B. No person shall operate, or cause to be operated, any source of sound indoors at any location within the incorporated limits of the City or allow the creation of any indoor noise which causes the noise level when measured inside the receiving dwelling unit to exceed:
1. The noise standard for that land use district as specified in Table C for a cumulative period of more than five (5) minutes in any hour; or
 2. The noise standard plus five decibels (5 dB) for a cumulative period of more than one (1) minute in any hour; or
 3. The noise standard plus ten decibels (10 dB) or the maximum measured ambient, for any period of time.
- C. If the measured indoor ambient level exceeds that permissible within any of the first two (2) noise limit categories in this Section, the allowable noise exposure standard shall be increased in five decibel (5 dB) increments in each category as appropriate to reflect the indoor ambient noise level. In the event the indoor ambient noise level exceeds the third noise limit category, the maximum allowable indoor noise level under said category shall be increased to reflect the maximum indoor ambient noise level.

(Ord. C-5371 § 1 (part), 1977: prior code § 4430.7(a))

8.80.180 Interior noise limits—Correction for character of sound.

In the event the alleged offensive noise contains a steady audible tone such as a whine, screech or hum, or is a repetitive noise such as hammering or riveting, or contains music or speech conveying information content, the standard limits set forth in Table C in Section 8.80.170 shall be reduced by five decibels (5 dB).

(Ord. C-5371 § 1 (part), 1977: prior code § 4430.7(b))

8.80.190 Noise disturbances—Prohibited.

No person shall unnecessarily make, continue or cause to be made or continued, any noise disturbance.

(Ord. C-5371 § 1 (part), 1977: prior code § 4430.8(a))

8.80.200 Noise disturbances—Acts specified.

The following acts, and the causing or permitting thereof, are declared to be in violation of this Chapter:

-
- A. Radios, television sets, musical instruments and similar devices. Operating, playing or permitting the operation or playing of any radio, television set, phonograph, drum, musical instrument, or similar device which produces or reproduces sound:
 - 1. Between the hours of ten p.m. and seven a.m. the following day in such a manner as to create a noise disturbance across a residential or commercial real property line or at any time to violate the provisions of Sections 8.80.150 or 8.80.170 except for activities for which a variance has been issued by the noise control office,
 - 2. In such a manner as to exceed the levels set forth in Table A in Section 8.80.160, measured at a distance of at least fifty feet (50') (fifteen (15) meters) from such device operating on a public right-of-way or public space;
 - B. Loudspeakers (amplified sound). Using or operating for any purpose any loudspeaker, loudspeaker system, or similar device between the hours of ten p.m. and seven a.m. the following day, such that the sound therefrom creates a noise disturbance across a residential real property line, or at any time violates the provisions of Sections 8.80.150 or 8.80.170, except for any noncommercial public speaking, public assembly or other activity for which a variance has been issued by the noise control office;
 - C. Street sales. Offering for sale, selling anything or advertising by shouting or outcry within any residential or commercial area or noise sensitive zone of the City except by variance issued by the noise control office. The provisions of this subsection shall not be construed to prohibit the selling by outcry of merchandise, food and beverages at licensed sporting events, parades, fairs, circuses or other similar licensed public entertainment events;
 - D. Animals and birds. Owning, possessing or harboring any animal or bird which frequently or for continued duration howls, barks, meows, squawks, or makes other sounds which create a noise disturbance across a residential or commercial real property line or within a noise sensitive zone. This provision shall not apply to public zoos;
 - E. Loading and unloading. Loading, unloading, opening, closing or other handling of boxes, crates, containers, building materials, garbage cans, or similar objects between the hours of ten p.m. and seven a.m. the following day in such a manner as to cause a noise disturbance across a residential real property line or at any time to violate the provisions of Sections 8.80.150 and 8.80.170;
 - F. Repealed;
 - G. Vibration. Operating or permitting the operation of any device that creates vibration which is above the vibration perception threshold of an individual at or beyond the property boundary of the source if on private property or at one hundred fifty feet (150') (forty-six (46) meters) from the source if on a public space or public right-of-way. For the purposes of this subsection, "vibration perception threshold" means the minimum ground or structure-borne vibrational motion necessary to cause a normal person to be aware of the vibration by such directed means as, but not limited to, sensation by touch or visual observation of moving objects. The perception threshold shall be presumed to be .001 g's in the frequency range 0—30 hertz and .003 g's in the frequency range between thirty and one hundred hertz;
 - H. Explosives, firearms and similar devices. Using or firing explosives, firearms, firecrackers or similar devices such that the sound therefrom creates a noise disturbance across a real property line, or within a noise sensitive zone, public space or public right-of-way, without first obtaining a variance issued by the noise control office or other appropriate regulatory agency;
 - I. Powered model vehicles. Operating or permitting the operation of powered model vehicles:

-
1. Between the hours of seven p.m. and seven a.m. the following day so as to create a noise disturbance across a residential or commercial real property line or at any time to violate the provisions of Sections 8.80.150 or 8.80.170,
 2. In such a manner as to exceed the levels set forth in Table A in Section 8.80.160 measured at a distance not less than one hundred feet (100') (thirty (30) meters) from any point on the path of a vehicle operating on public space or public right-of-way;
- J. Stationary nonemergency signaling devices.
1. Sounding or permitting the sounding of any electronically amplified signal from any stationary bell, chime, siren, whistle, or similar device, intended primarily for nonemergency purposes, from any place, for more than ten (10) seconds in any hourly period,
 2. Houses of religious worship and chimes in the civic center shall be exempt from the operation of this provision,
 3. Sound sources covered by this provision and not exempted under Subsection 8.80.200.J.2 of this Section may be exempted by a variance issued by the noise control office;
- K. Emergency signaling devices.
1. The intentional sounding or permitting the sounding outdoors of any fire, burglar or civil defense alarm, siren, whistle or similar stationary emergency signaling device, except for emergency purposes or for testing, as provided in Subsection 8.80.200.K.2 of this Section,
 2. a. Testing of a stationary emergency signaling device shall not occur before seven a.m. or after seven p.m. Any such testing shall only use the minimum cycle test time. In no case shall such test time exceed ten (10) seconds,
 - b. Testing of the complete emergency signaling system, including the functioning of the signaling device and the personnel response to the signaling device shall not occur more than once in each calendar month. Such testing shall not occur before seven a.m. or after ten p.m. The time limit specified in Subsection 8.80.200.K.2.a of this Section shall not apply to such complete system testing,
 3. Sounding or permitting the sounding of any exterior burglar or fire alarm unless such alarm is automatically terminated within fifteen (15) minutes of activation;
- L. Noise sensitive zones.
1. Creating or causing the creation of any sound within any noise sensitive zone, so as to exceed the specified land use noise standards set forth in Sections 8.80.150 and 8.80.170, or
 2. Creating or causing the creation of any sound within or adjacent to any noise sensitive zone containing a hospital, nursing home, school, court or other designated use so as to interfere with the functions of such activity or annoy the patients or participants of such activity;
- M. Domestic power tools.
1. Operating or permitting the operation of any mechanically powered saw, sander, drill, grinder, lawn or garden tool, or similar tool between ten p.m. and seven a.m. the following day so as to create a noise disturbance across a residential or commercial real property line,
 2. Any motor, machinery, pump, etc., shall be sufficiently enclosed or muffled and maintained so as not to create a noise disturbance,
 3. Operating leaf blowers, consisting of portable power equipment used in any landscape maintenance, construction, property repair or property maintenance for the purpose of blowing,

dispersing or redistributing dust, dirt, leaves, grass clippings, cuttings, or trimmings from plants, trees or other debris is unlawful if operated within any residential area or in any nonresidential area within four hundred feet (400') of any residential area in the City between the hours after eight p.m. and before eight a.m. Monday through Friday, after five p.m. and before nine a.m. on Saturdays, and after five p.m. and before eleven a.m. on Sundays and legal holidays.

Notwithstanding the provisions of Section 8.80.380, violations of this Subsection 8.80.200.M.3 shall be infractions except as specifically provided in this Section. The first violation in any one (1) year period shall be subject to a fine of fifty dollars (\$50.00); a second violation in any one (1) year period shall be subject to a fine of seventy-five dollars (\$75.00); a third violation in any one (1) year period shall be subject to a fine of one hundred dollars (\$100.00). A fourth or subsequent violation of this Subsection in any one (1) year period may be filed as a misdemeanor.

Notwithstanding the provisions of any other Section in this Chapter, the provisions of this subsection may be enforced by a Police Officer;

- N. Air-conditioning or air refrigerating equipment. Operating or permitting the operation of any air-conditioning or air refrigerating equipment in such a manner as to exceed any of the following sound levels measured as specified in the American Society of Heating, Refrigeration and Air Conditioning Engineers Code of Recommended Practices:

Measurement Location	Units Installed Before 1-1-80 dB (A)	Units Installed On Or After 1-1-80 dB (A)
Any point on neighboring property line, five feet above grade level, no closer than three feet from any wall	60	55
Center of neighboring patio five feet above grade level, no closer than three feet from any wall	55	50
Outside the neighboring living area window nearest the equipment location, not more than three feet from the window opening, but at least three feet from any other surface	55	50

In case of conflict, the interior noise standards as specified in Section 8.80.170 shall nonetheless apply;

- O. Places of public entertainment. Operating or permitting to be operated any loudspeaker or other source of sound in any place of public entertainment that exceeds the levels shown in Table D at any point normally occupied by a customer, without a conspicuous and legible sign stating

"WARNING, SOUND LEVELS WITHIN MAY CAUSE PERMANENT HEARING IMPAIRMENT."

Table D
MAXIMUM LEVELS ALLOWED IN PLACES
OF PUBLIC ENTERTAINMENT

Duration Per Day Continuous Hours	Noise Level dB (A)
8	85
6	86
4	88
3	89
2	91
1 ½	92
1	94

½
¼ or less

97
100

P. Tampering. The following acts or the causing thereof are prohibited:

1. The removal or rendering inoperative by any person other than for purposes of maintenance, repair, or replacement, of any noise control device or element of design or noise label of any product identified under Subsection 8.80.040.G and Subsection 8.80.050.C. The Noise Control Officer may, by regulation, list those acts which constitute violation of this provision,
2. The use of a product, identified under Subsection 8.80.040.G and Subsection 8.80.050.C, which has had a noise control device or element of design or noise label removed or rendered inoperative with knowledge that such action has occurred.

(Ord. C-7745 § 1, 2001; Ord. C-7175 § 1, 1994; Ord. C-6474 § 2, 1988; Ord. C-6036 § 1, 1984; Ord. C-5371 § 1 (part), 1977: prior code § 4430.8(b))

8.80.202 Construction activity—Noise regulations.

The following regulations shall apply only to construction activities where a building or other related permit is required or was issued by the Building Official and shall not apply to any construction activities within the Long Beach harbor district as established pursuant to Section 201 of the City Charter.

- A. Weekdays and federal holidays. No person shall operate or permit the operation of any tools or equipment used for construction, alteration, repair, remodeling, drilling, demolition or any other related building activity which produce loud or unusual noise which annoys or disturbs a reasonable person of normal sensitivity between the hours of seven p.m. and seven a.m. the following day on weekdays, except for emergency work authorized by the Building Official. For purposes of this Section, a federal holiday shall be considered a weekday.
- B. Saturdays. No person shall operate or permit the operation of any tools or equipment used for construction, alteration, repair, remodeling, drilling, demolition or any other related building activity which produce loud or unusual noise which annoys or disturbs a reasonable person of normal sensitivity between the hours of seven p.m. on Friday and nine a.m. on Saturday and after six p.m. on Saturday, except for emergency work authorized by the Building Official.
- C. Sundays. No person shall operate or permit the operation of any tools or equipment used for construction, alteration, repair, remodeling, drilling, demolition or any other related building activity at any time on Sunday, except for emergency work authorized by the Building Official or except for work authorized by permit issued by the Noise Control Officer.
- D. Owner's/employer's responsibility. It is unlawful for the landowner, construction company owner, contractor, subcontractor or employer of persons working, laboring, building, or assisting in construction to permit construction activities in violation of provisions in this Section.
- E. Sunday work permits. Any person who wants to do construction work on a Sunday must apply for a work permit from the Noise Control Officer. The Noise Control Officer may issue a Sunday work permit if there is good cause shown; and in issuing such a permit, consideration will be given to the nature of the work and its proximity to residential areas. The permit may allow work on Sundays, only between nine a.m. and six p.m., and it shall designate the specific dates when it is allowed.
- F. Enforcement. Notwithstanding the provisions of Sections 8.80.370 and 8.80.380, this Section may be enforced by a Police Officer.

Any person who violates any provision of this Section is guilty of a misdemeanor and shall be fined in an amount not to exceed five hundred dollars (\$500.00), or be imprisoned for a period not to exceed one hundred eighty (180) days, or by both such fine and imprisonment. Each day that a violation occurs shall constitute a separate offense and shall be punishable as such.

Whenever an employee is prosecuted for a violation of this noise control ordinance, the court shall, at the request of the employee, take appropriate action to make the landowner, construction company owner, contractor, subcontractor or employer a codefendant.

(Ord. C-6488 § 1, 1988; Ord. C-6474 § 1, 1988)

8.80.210 Refuse collection vehicles.

No person shall collect refuse with a refuse collection vehicle between the hours of seven p.m. and seven a.m. the following day in a residential area or noise sensitive zone.

(Ord. C-5371 § 1 (part), 1981: prior code § 4430.9(a))

8.80.220 Motor vehicle horns.

It is unlawful for any person within the City to sound a vehicular horn within any residential zone except as a warning signal, as provided in the Vehicle Code of the State.

(Ord. C-5371 § 1 (part), 1977: prior code § 4430.9(b))

8.80.230 Recreational motorized vehicles operating off the public right-of-way.

No person shall operate or cause to be operated any recreational motorized vehicle off a public right-of-way in such a manner that the sound level emitted therefrom violates the provisions of Sections 8.80.150 and 8.80.170. This Section shall apply to all recreational motorized vehicles, whether or not duly licensed and registered, including, but not limited to, commercial or noncommercial racing vehicles, motorcycles, go-carts, amphibious craft, campers, and dune buggies, but not including motorboats.

(Ord. C-5371 § 1 (part), 1977: prior code § 4430.9(c))

8.80.240 Vehicle, motorboat or aircraft repair and testing.

- A. Repairing, rebuilding, modifying or testing any motor vehicle, motorboat or aircraft in such a manner as to create a noise disturbance across a residential real property line, or at any time to violate the provisions of Sections 8.80.150 or 8.80.170 shall not be permitted except where said activities are directly related to officially sanctioned events.
- B. This provision shall not apply to aircraft within the airport property or within any other aviation-related property abutting it.

(Ord. C-5371 § 1 (part), 1977: prior code § 4430.9(d))

8.80.250 Exemption—Emergencies.

The provisions of this Chapter shall not apply to:

- A. The emission of sound for the purpose of alerting persons to the existence of an emergency; or

B. The emission of sound in the performance of emergency work.
(Ord. C-5371 § 1 (part), 1977: prior code § 4430.10(a))

8.80.260 Exemption—Oil and gas wells.

The provisions of this Chapter shall not apply to:

- A. Normal well servicing, remedial or maintenance work performed within an existing well which does not involve drilling or redrilling and which is restricted to the hours between seven a.m. and seven p.m., exclusive of weekends and holidays, in residential areas;
- B. Any drilling or redrilling work which is done in full compliance with Subsection 8.80.040.E and Sections 8.80.060 through 8.80.120, and with the soundproofing and all other requirements of Section 12.32.030.

(Ord. C-5576 § 1, 1980; Ord. C-5371 § 1 (part), 1977: prior code § 4430.10(b))

8.80.270 Exemption—Warning devices.

Warning devices necessary for the protection of public safety as, for example, police, fire and ambulance sirens and train horns shall be exempted from the provisions of this Chapter.

(Ord. C-5371 § 1 (part), 1977: prior code § 4430.10(c))

8.80.280 Exemption—Entertainment events.

The provisions of this Chapter shall not apply to occasional outdoor or indoor gatherings, public dances, shows and sporting and entertainment events, provided said events are conducted pursuant to a permit or license or other entitlement issued by the City relative to the staging of said events.

(Ord. C-5371 § 1 (part), 1977: prior code § 4430.10 (d))

8.80.290 Exemption—From exterior noise standards.

The provisions of Section 8.80.150 shall not apply to activities covered by the following Sections:

- A. Section 8.80.200 C, street sales;
- B. Section 8.80.200 D, animals and birds;
- C. Section 8.80.200 J, stationary nonemergency signaling devices;
- D. Section 8.80.200 K, emergency signaling devices;
- E. Section 8.80.200 M, domestic power tools;
- F. Section 8.80.200 N, air conditioning or air refrigerating equipment; and
- G. Section 8.80.210, refuse collection vehicles.

(Ord. C-5371 § 1 (part), 1977: prior code § 4430.10 (e))

8.80.300 Abatement of nonconforming industrial noise sources.

- A. Intent. It is the intent of this Section to recognize that the eventual abatement, as expeditiously and as fairly as possible, of existing noise sources that are not in conformity with the provisions of this Chapter is as important as the prohibition of new noise sources that would violate the provisions of this Chapter. It is the intent of this Section that any abatement of nonconforming industrial noise sources shall be effected so as to avoid any undue hardship.
- B. Abatement. All existing nonconforming industrial noise sources shall be granted an amortization period of ten (10) years from the effective date of this Chapter to bring their existing facilities into compliance with this Chapter; provided, that:
 - 1. They are located in industrial districts delineated in the City zoning ordinance or are located in accordance with a valid special use permit at the time of adoption of this Chapter;
 - 2. They are not changed to another industrial use during the amortization period;
 - 3. They are not altered so as to increase or intensify their noise generation;
 - 4. If they are structurally expanded during the amortization period, the new portion must immediately meet the standards of this Chapter;
 - 5. If they should be rebuilt after damage or destruction of more than fifty percent (50%) of the preexisting value, they must be rebuilt in such a manner as to immediately meet the standards of this Chapter.

(Ord. C-5371 § 1 (part), 1977: prior code § 4430.10 (f))

8.80.310 Exemption—Federal or State preempted activities.

The provisions of this Chapter shall not apply to any other activity to the extent regulation thereof has been preempted by State or federal law.

(Ord. C-5371 § 1 (part), 1977: prior code § 4430.10(g))

8.80.320 Conflicting regulations.

- A. These regulations are not intended to abrogate or impair the provisions of any other section of this Code which is not in conflict with the provisions of this Chapter. However, where these regulations are more restrictive than those of other laws, regulations or covenants, these regulations shall control.
- B. Upon written request, the noise control office is authorized to issue official interpretations of this Chapter without public hearing.

(Ord. C-5371 § 1 (part), 1977: prior code § 4430.10 (h))

8.80.330 Exemption—Public health, welfare and safety activities.

The provisions of this Chapter shall not apply to construction maintenance and repair operations conducted by public agencies and/or utility companies or their contractors which are deemed necessary to serve the best interests of the public and to protect the public health, welfare and safety, including, but not limited to, street sweeping, debris and limb removal, removal of downed wires, restoring electrical service, repairing traffic signals,

unplugging sewers, vacuuming catchbasins, repairing of damaged poles, removal of abandoned vehicles, repairing of water hydrants and mains, gas lines, oil lines, sewers, storm drains, roads, sidewalks, etc.

(Ord. C-5371 § 1 (part), 1977: prior code § 4430.10 (i))

8.80.340 Variance—Exemption from regulations.

- A. The Noise Control Officer is authorized to grant variances for exemption from any provision of this Chapter, subject to limitations as to area, noise levels, time limits, and other terms and conditions as the Noise Control Officer determines are appropriate to protect public health, safety and welfare from the noise emanating therefrom. This Section shall in no way affect the obligation to obtain any permit or license required by law for such activities.
- B. Any person seeking a variance shall file an application with the noise control office. The application shall contain information which demonstrates that bringing the source of sound or activity for which the variance is sought into compliance with this Chapter would create an unreasonable hardship on the applicant, on the community, or on other persons. The application shall be accompanied by a fee in the amount set by resolution of the City Council. A separate application shall be filed for each noise source; provided, however, that several fixed sources on a single property may be combined into one (1) application. Notice of an application for a variance shall be published according to rules established by the noise control office; all residents whom the Noise Control Officer determines may be adversely affected by the noise shall be notified. Any individual who claims to be adversely affected by the issuance of the variance may file a statement with the noise control office containing any information to support his claim. If at any time the Noise Control Officer finds that a sufficient controversy exists regarding an application, a public hearing will be held.
- C. In determining whether to grant or deny the application, the Noise Control Officer shall balance the hardship on the applicant, the community, or other persons by not granting the variance against the adverse impact on the health, safety and welfare of persons affected, the adverse impact on property affected, and any other adverse impact by granting the variance. Applicants for variances and persons contesting variances may be required to submit such information as the noise control office may reasonably require. In granting or denying an application, the Noise Control Officer shall keep a public record of the decision and the reasons for denying or granting the variance.
- D. A variance shall be granted by written notice to the applicant containing all necessary conditions, including a time limit on the permitted activity. The variance shall not become effective until all conditions are agreed to by the applicant. Noncompliance with any condition of the variance shall terminate the variance.
- E. The term of a variance may not exceed three hundred sixty-five (365) days from the date of issuance. An application for extension of time limits specified in a variance or for modification of other substantial conditions shall be treated as an application for a new variance.
- F. The Noise Control Officer will issue guidelines defining the procedures to be followed in applying for a variance and the criteria to be considered in deciding whether to grant a variance.

(Ord. C-5371 § 1 (part), 1977: prior code § 4430.11(a))

8.80.350 Variance—Time to comply.

Within ninety (90) days following the effective date of this Chapter, the owner of any commercial or industrial source of sound may apply to the noise control office for a time variance to comply with the provisions of this Chapter. The Noise Control Officer shall have the authority, consistent with these Sections 8.80.340 through 8.80.360, to grant a time variance (not to exceed one hundred eighty (180) days from the effective date of this

Chapter). The same procedures and considerations by the Noise Control Officer as provided in Section 8.80.340 shall likewise apply.

(Ord. C-5371 § 1 (part), 1977: prior code § 4430.11(b))

8.80.360 Variance—Appeal to decision.

Within ten (10) days after notice by the Noise Control Officer or denial or conditional approval of a variance, or within ten (10) days after the effective date of the revocation of a variance by the Noise Control Officer, the affected person may appeal to the City Council, in writing. The City Council, after notice and a public hearing, may sustain, reverse or modify the decision of the Noise Control Officer; such order may be made subject to specified conditions.

- A. Filing Fee. The appeal shall be filed in triplicate with the City Clerk at the City Hall, 333 West Ocean Boulevard, Long Beach, California, along with the payment of a fee in the amount set by resolution of the City Council. A copy of the appeal shall also be served on the Noise Control Officer.
- B. Contents of Appeal. An appeal to review a denial or conditional approval of a variance shall contain the application, a copy of the Noise Control Officer's action setting forth the reasons for the denial or the conditions of the approval, and the reasons for appeal. An appeal to review a variance revocation shall include a copy of the variance, the Noise Control Officer's revocation notice, and his reasons for revocation, and the reasons for appeal.

(Ord. C-5371 § 1 (part), 1977: prior code § 4430.11(c))

8.80.370 Violation—Presumed.

Any noise exceeding the level limit which can be attributed to a specific facility in a designated noise district as specified in Sections 8.80.150 through 8.80.180, or the prohibited actions specified in Sections 8.80.190 and 8.80.200 shall be presumed to be a violation of the provisions of these regulations. Enforcement of noise control regulations shall be undertaken only upon receipt of a written sworn complaint made by a person who resides or owns property within the noise district into which the alleged noise intrudes.

(Ord. C-5371 § 1 (part), 1977: prior code § 4430.12(a))

8.80.380 Violation—Penalty.

Any person found in violation of any of the provisions of this Chapter upon a documented determination and the failure to comply with an abatement order or other notice issued by the Noise Control Officer and subsequently convicted in a court of competent jurisdiction for such violation will be deemed guilty of a misdemeanor and shall be fined in an amount not to exceed five hundred dollars (\$500.00), or be imprisoned for a period not to exceed one hundred eighty (180) days, or by both such fine and imprisonment. Each day (after the Noise Control Officer has made a documented determination and has issued an abatement order) that a violation is permitted to continue shall constitute a separate offense and shall be punishable as such.

(Ord. C-5371 § 1 (part), 1977: prior code § 4430.12(b))

8.80.390 Violation—Abatement order.

- A. Except as provided in Subsection 8.80.390.B, in lieu of issuing a notice of violation as provided in Section 8.80.400, the Noise Control Officer may issue an order requiring the abatement of a sound source alleged to

be in violation within a reasonable time period and according to guidelines adopted by the noise control office.

- B. An abatement order shall not be issued for any violation when the Noise Control Officer or other enforcement agency has reason to believe that there will not be compliance with an abatement order.
- C. No further action shall be taken in the event that the cause of the violation has been removed and the condition abated or fully corrected within the time period specified in the written notice.

(Ord. C-5371 § 1 (part), 1977: prior code § 4430.12(c))

8.80.400 Violation—Notice.

Except where a person is acting in good faith to comply with an abatement order issued pursuant to Subsection 8.80.390.A, violation of any provision of this Chapter shall be cause for a notice of violation to be issued by the Noise Control Officer or other responsible enforcement official according to procedures which the noise control office may prescribe. Thereafter, the City may resort to any other appropriate legal action as provided by law.

(Ord. C-5371 § 1 (part), 1977: prior code § 4430.12(d))

8.80.410 Violation—Additional remedies.

As an additional remedy, the operation or maintenance of any device, instrument, vehicle or machinery in violation of any provision of this Chapter, which operation or maintenance causes or creates sound levels or vibration exceeding the allowable limits as specified in this Chapter, shall be deemed and is declared to be a public nuisance and may be subject to abatement summarily by a restraining order or injunction issued by a court of competent jurisdiction. Additionally, no provision of this Chapter shall be construed to impair any common law or statutory cause of action, or legal remedy therefrom, of any person for injury or damage arising from any violation of this Chapter or from other law.

(Ord. C-5371 § 1 (part), 1977: prior code § 4430.12(e))

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APPENDIX 5.1:

STUDY AREA PHOTOS

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JN: 13987 Study Area Photos



L1_E
33, 47' 24.200000", 118, 12' 7.050000"



L1_N
33, 47' 24.250000", 118, 12' 7.050000"



L1_S
33, 47' 24.200000", 118, 12' 7.020000"



L1_W
33, 47' 24.200000", 118, 12' 7.020000"



L2_E
33, 47' 5.940000", 118, 11' 52.960000"



L2_N
33, 47' 5.960000", 118, 11' 53.010000"

JN: 13987 Study Area Photos



L2_S

33, 47' 5.960000", 118, 11' 52.960000"



L2_W

33, 47' 5.970000", 118, 11' 52.930000"



L3_E

33, 46' 52.420000", 118, 12' 1.530000"



L3_N

33, 46' 52.380000", 118, 12' 1.530000"



L3_S

33, 46' 52.450000", 118, 12' 1.550000"



L3_W

33, 46' 52.490000", 118, 12' 1.640000"

JN: 13987 Study Area Photos



L4_E

33, 46' 47.280000", 118, 12' 8.120000"



L4_N

33, 46' 47.240000", 118, 12' 8.090000"



L4_S

33, 46' 47.250000", 118, 12' 8.120000"



L4_W

33, 46' 47.230000", 118, 12' 8.120000"

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APPENDIX 5.2:

NOISE LEVEL MEASUREMENT WORKSHEETS

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24-Hour Noise Level Measurement Summary

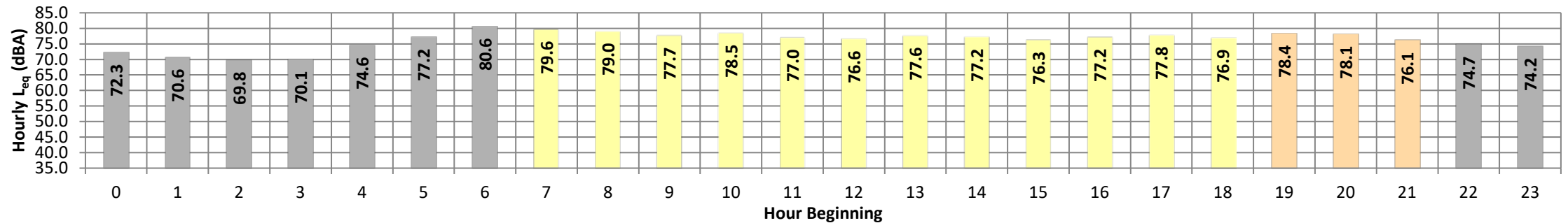
Date: Wednesday, March 17, 2021
Project: SAN FRANCISCO AVENUE

Location: L1 - Located north of the Project site on Pacific Coast Highway
by the Travel Eagle Inn Motel at 809 West Pacific Coast Highway.

Meter: Piccolo II

JN: 13987
Analyst: P. Mara

Hourly L_{eq} dBA Readings (unadjusted)



Timeframe	Hour	L _{eq}	L _{max}	L _{min}	L1%	L2%	L5%	L8%	L25%	L50%	L90%	L95%	L99%	L _{eq}	Adj.	Adj. L _{eq}		
Night	0	72.3	81.9	58.2	81.4	80.5	78.4	77.2	72.7	68.7	60.5	59.2	58.4	72.3	10.0	82.3		
	1	70.6	80.3	55.1	79.9	79.2	76.8	75.5	71.3	66.3	58.2	56.5	55.3	70.6	10.0	80.6		
	2	69.8	79.9	53.3	79.6	78.9	76.8	75.1	69.7	64.0	55.8	54.5	53.5	69.8	10.0	79.8		
	3	70.1	80.2	54.6	79.8	79.0	76.7	75.3	70.1	64.9	57.3	56.0	54.8	70.1	10.0	80.1		
	4	74.6	83.9	58.4	83.5	82.9	81.0	79.7	75.2	70.4	61.1	59.5	58.6	74.6	10.0	84.6		
	5	77.2	85.5	64.5	85.0	84.0	82.4	81.5	78.6	74.9	67.1	65.8	64.7	77.2	10.0	87.2		
	6	80.6	91.7	68.5	91.3	90.3	86.4	83.8	80.3	77.6	71.0	69.7	68.6	80.6	10.0	90.6		
Day	7	79.6	87.3	69.6	86.9	86.3	84.2	83.2	80.6	78.1	72.1	70.9	69.8	79.6	0.0	79.6		
	8	79.0	87.8	68.6	87.4	86.8	84.6	83.3	79.7	76.6	70.9	69.9	68.7	79.0	0.0	79.0		
	9	77.7	87.2	67.8	86.7	85.9	83.5	81.5	78.0	75.1	70.0	69.0	68.0	77.7	0.0	77.7		
	10	78.5	88.6	65.9	88.0	87.1	85.3	83.7	77.6	74.8	68.6	67.2	66.1	78.5	0.0	78.5		
	11	77.0	85.9	65.7	85.5	84.8	82.3	81.1	77.7	74.9	68.6	67.3	65.9	77.0	0.0	77.0		
	12	76.6	85.9	65.6	85.3	84.4	81.6	80.1	77.2	74.8	68.5	67.0	65.9	76.6	0.0	76.6		
	13	77.6	88.4	65.2	87.5	86.7	83.6	82.0	77.4	74.6	68.3	66.9	65.5	77.6	0.0	77.6		
	14	77.2	87.4	66.1	86.9	85.9	82.9	81.0	77.3	74.2	68.7	67.6	66.3	77.2	0.0	77.2		
	15	76.3	84.8	64.6	84.4	83.6	81.6	80.7	77.3	73.9	67.5	66.1	64.9	76.3	0.0	76.3		
	16	77.2	87.3	67.3	86.7	85.4	83.3	80.9	77.5	74.1	69.2	68.3	67.5	77.2	0.0	77.2		
	17	77.8	88.9	66.7	88.2	87.0	83.7	81.3	77.5	74.5	69.2	67.9	66.9	77.8	0.0	77.8		
	18	76.9	85.0	66.5	84.5	84.0	82.6	80.8	77.7	75.0	69.0	67.8	66.7	76.9	0.0	76.9		
Evening	19	78.4	90.1	67.7	89.5	88.4	83.6	80.9	77.7	75.3	69.9	68.8	67.9	78.4	5.0	83.4		
	20	78.1	88.7	66.4	88.3	87.9	83.9	82.5	77.3	74.7	68.9	67.7	66.6	78.1	5.0	83.1		
	21	76.1	84.9	66.3	84.5	83.9	81.5	79.7	76.7	74.2	68.7	67.5	66.5	76.1	5.0	81.1		
Night	22	74.7	82.8	63.6	82.5	81.7	79.8	78.8	75.8	72.6	66.1	64.8	63.8	74.7	10.0	84.7		
	23	74.2	83.1	61.8	82.7	82.1	79.9	78.6	75.1	71.0	63.7	62.7	61.9	74.2	10.0	84.2		
Timeframe	Hour	L _{eq}	L _{max}	L _{min}	L1%	L2%	L5%	L8%	L25%	L50%	L90%	L95%	L99%	L _{eq} (dBA)				
Day	Min	76.3	84.8	64.6	84.4	83.6	81.6	80.1	77.2	73.9	67.5	66.1	64.9	24-Hour	Daytime	Nighttime		
	Max	79.6	88.9	69.6	88.2	87.1	85.3	83.7	80.6	78.1	72.1	70.9	69.8					
Energy Average		77.7	Average:		86.5	85.6	83.3	81.6	77.9	75.1	69.2	68.0	66.8	76.977.775.2				
Evening	Min	76.1	84.9	66.3	84.5	83.9	81.5	79.7	76.7	74.2	68.7	67.5	66.5					
	Max	78.4	90.1	67.7	89.5	88.4	83.9	82.5	77.7	75.3	69.9	68.8	67.9	24-Hour CNEL (dBA)				
Energy Average		77.6	Average:		87.4	86.7	83.0	81.0	77.2	74.7	69.2	68.0	67.0	82.5				
Night	Min	69.8	79.9	53.3	79.6	78.9	76.7	75.1	69.7	64.0	55.8	54.5	53.5					
	Max	80.6	91.7	68.5	91.3	90.3	86.4	83.8	80.3	77.6	71.0	69.7	68.6					
Energy Average		75.2	Average:		82.9	82.1	79.8	78.4	74.3	70.0	62.3	61.0	60.0					

24-Hour Noise Level Measurement Summary

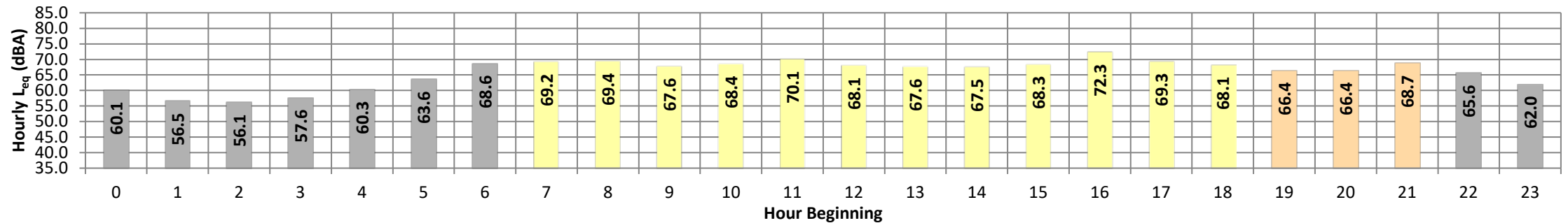
Date: Wednesday, March 17, 2021
Project: SAN FRANCISCO AVENUE

Location: L2 - Located east of the Project site on Magnolia Avenue near existing multi-family residential homes at 463 West Cowles Street.

Meter: Piccolo II

JN: 13987
Analyst: P. Mara

Hourly L_{eq} dBA Readings (unadjusted)



Timeframe	Hour	L_{eq}	L_{max}	L_{min}	L1%	L2%	L5%	L8%	L25%	L50%	L90%	L95%	L99%	L_{eq}	Adj.	Adj. L_{eq}
Night	0	60.1	71.0	46.8	70.5	70.0	67.8	65.9	58.5	51.5	47.5	47.2	46.9	60.1	10.0	70.1
	1	56.5	68.2	45.1	67.7	67.1	64.6	62.4	52.8	47.2	45.4	45.3	45.1	56.5	10.0	66.5
	2	56.1	67.6	45.5	67.0	66.6	64.4	62.1	51.8	48.1	46.1	45.8	45.6	56.1	10.0	66.1
	3	57.6	69.3	44.8	68.8	68.2	66.1	63.8	52.2	47.2	45.3	45.1	44.9	57.6	10.0	67.6
	4	60.3	73.0	45.7	72.4	71.7	68.6	65.9	54.2	48.8	46.4	46.2	45.9	60.3	10.0	70.3
	5	63.6	74.0	49.7	73.6	73.0	70.9	69.6	62.5	55.2	50.3	50.0	49.8	63.6	10.0	73.6
	6	68.6	79.5	57.7	79.0	78.4	75.6	73.3	67.7	63.1	58.6	58.3	57.9	68.6	10.0	78.6
Day	7	69.2	78.5	55.6	78.1	77.4	75.5	74.1	69.9	65.1	57.0	56.2	55.7	69.2	0.0	69.2
	8	69.4	78.5	55.1	78.2	77.6	75.8	74.6	70.3	64.7	56.7	55.9	55.3	69.4	0.0	69.4
	9	67.6	76.3	56.2	75.9	75.3	73.7	72.6	68.6	63.9	57.9	57.0	56.4	67.6	0.0	67.6
	10	68.4	78.4	57.2	77.8	77.0	75.1	73.2	68.3	64.8	59.1	58.1	57.4	68.4	0.0	68.4
	11	70.1	81.4	57.4	80.8	80.3	78.0	74.3	68.5	64.7	59.0	58.2	57.6	70.1	0.0	70.1
	12	68.1	78.6	56.0	77.9	77.0	74.3	72.6	68.3	63.9	57.5	56.8	56.1	68.1	0.0	68.1
	13	67.6	76.5	56.7	76.0	75.4	73.5	72.2	68.5	64.0	58.5	57.7	56.9	67.6	0.0	67.6
	14	67.5	76.4	54.9	75.9	75.4	73.6	72.4	68.3	64.1	56.8	55.7	55.0	67.5	0.0	67.5
	15	68.3	76.2	58.3	75.7	75.1	73.5	72.4	69.5	66.1	60.8	59.8	58.7	68.3	0.0	68.3
	16	72.3	84.1	57.9	83.4	82.7	79.9	77.1	70.3	66.7	59.7	58.9	58.0	72.3	0.0	72.3
	17	69.3	80.8	55.5	80.2	79.1	75.9	73.5	68.6	64.7	57.4	56.3	55.6	69.3	0.0	69.3
	18	68.1	79.3	55.4	79.0	78.2	75.0	72.7	67.1	63.1	56.9	56.2	55.6	68.1	0.0	68.1
Evening	19	66.4	76.2	55.2	75.7	75.1	72.8	70.8	66.7	62.5	56.3	55.8	55.3	66.4	5.0	71.4
	20	66.4	75.5	55.7	75.0	74.4	72.5	71.1	67.0	63.1	57.1	56.5	55.9	66.4	5.0	71.4
	21	68.7	81.5	54.2	80.5	79.6	76.8	73.0	65.1	59.8	55.1	54.6	54.3	68.7	5.0	73.7
Night	22	65.6	77.5	51.8	77.1	76.4	73.6	70.5	62.6	57.5	52.6	52.2	51.9	65.6	10.0	75.6
	23	62.0	71.8	52.9	71.3	70.7	68.9	67.5	61.5	56.1	53.6	53.3	53.0	62.0	10.0	72.0
Timeframe	Hour	L_{eq}	L_{max}	L_{min}	L1%	L2%	L5%	L8%	L25%	L50%	L90%	L95%	L99%	L_{eq} (dBA)		
Day	Min	67.5	76.2	54.9	75.7	75.1	73.5	72.2	67.1	63.1	56.7	55.7	55.0	24-Hour	Daytime	Nighttime
	Max	72.3	84.1	58.3	83.4	82.7	79.9	77.1	70.3	66.7	60.8	59.8	58.7			
Energy Average		69.0	Average:		78.2	77.5	75.3	73.5	68.8	64.6	58.1	57.2	56.5	71.4		
Evening	Min	66.4	75.5	54.2	75.0	74.4	72.5	70.8	65.1	59.8	55.1	54.6	54.3			
	Max	68.7	81.5	55.7	80.5	79.6	76.8	73.0	67.0	63.1	57.1	56.5	55.9	24-Hour CNEL (dBA)		
Energy Average		67.3	Average:		77.1	76.3	74.0	71.6	66.2	61.8	56.2	55.6	55.2	71.4		
Night	Min	56.1	67.6	44.8	67.0	66.6	64.4	62.1	51.8	47.2	45.3	45.1	44.9			
	Max	68.6	79.5	57.7	79.0	78.4	75.6	73.3	67.7	63.1	58.6	58.3	57.9			
Energy Average		63.0	Average:		71.9	71.3	69.0	66.8	58.2	52.8	49.5	49.3	49.0			

24-Hour Noise Level Measurement Summary

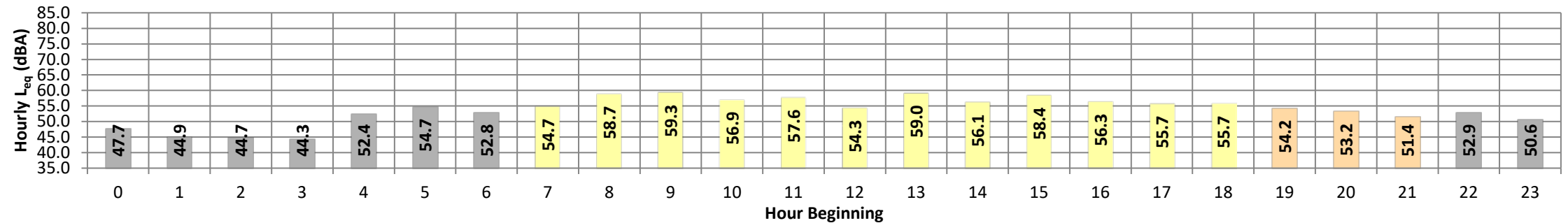
Date: Wednesday, March 17, 2021
Project: SAN FRANCISCO AVENUE

Location: L3 - Located southeast of the Project site on Loma Vista Drive
near existing single-family residential home at 1153 N Loma
Vista Drive.

Meter: Piccolo II

JN: 13987
Analyst: P. Mara

Hourly L_{eq} dBA Readings (unadjusted)



Timeframe	Hour	L _{eq}	L _{max}	L _{min}	L1%	L2%	L5%	L8%	L25%	L50%	L90%	L95%	L99%	L _{eq}	Adj.	Adj. L _{eq}		
Night	0	47.7	59.0	41.5	58.4	57.3	54.2	51.7	45.9	43.8	42.0	41.8	41.6	47.7	10.0	57.7		
	1	44.9	54.1	40.7	53.7	52.4	49.8	48.4	44.5	42.5	41.1	41.0	40.8	44.9	10.0	54.9		
	2	44.7	53.7	41.1	53.3	52.4	50.1	47.9	43.9	42.6	41.5	41.4	41.2	44.7	10.0	54.7		
	3	44.3	52.6	40.5	52.1	51.2	49.0	47.3	44.2	42.9	41.1	40.8	40.6	44.3	10.0	54.3		
	4	52.4	61.3	43.7	60.6	59.8	57.7	56.2	53.6	48.0	44.5	44.2	43.8	52.4	10.0	62.4		
	5	54.7	65.3	46.7	64.9	64.3	61.7	59.3	53.3	49.8	47.5	47.2	46.8	54.7	10.0	64.7		
	6	52.8	61.8	47.2	61.3	60.5	58.5	56.8	52.9	50.0	47.8	47.5	47.3	52.8	10.0	62.8		
Day	7	54.7	64.2	49.0	63.8	63.0	60.6	59.0	54.3	51.5	49.6	49.3	49.1	54.7	0.0	54.7		
	8	58.7	70.1	47.0	69.8	69.4	67.2	64.1	55.0	50.5	47.9	47.5	47.1	58.7	0.0	58.7		
	9	59.3	71.3	47.9	70.5	69.6	67.0	64.7	56.0	52.4	49.0	48.5	48.0	59.3	0.0	59.3		
	10	56.9	67.3	49.0	66.9	66.2	64.0	61.6	55.3	52.8	49.9	49.6	49.1	56.9	0.0	56.9		
	11	57.6	68.2	47.1	67.4	66.5	64.4	62.9	57.0	52.6	48.4	47.8	47.3	57.6	0.0	57.6		
	12	54.3	64.5	44.6	64.0	63.2	60.9	59.7	54.0	48.4	45.4	45.1	44.7	54.3	0.0	54.3		
	13	59.0	69.2	46.5	68.7	67.8	66.3	64.7	58.6	51.5	47.5	47.1	46.6	59.0	0.0	59.0		
	14	56.1	65.2	48.9	64.8	64.1	62.3	60.5	56.0	53.0	50.1	49.6	49.1	56.1	0.0	56.1		
	15	58.4	70.4	48.1	69.6	68.3	65.7	63.2	55.7	52.1	49.2	48.7	48.3	58.4	0.0	58.4		
	16	56.3	67.3	48.8	66.4	65.5	63.2	61.6	54.8	52.2	49.6	49.3	48.9	56.3	0.0	56.3		
	17	55.7	64.4	50.1	63.9	63.2	61.0	59.5	55.6	53.2	51.0	50.7	50.3	55.7	0.0	55.7		
	18	55.7	64.5	50.6	63.9	63.2	60.9	59.2	55.7	53.3	51.5	51.2	50.8	55.7	0.0	55.7		
Evening	19	54.2	63.7	48.7	63.0	62.4	60.1	58.6	54.0	51.3	49.4	49.1	48.8	54.2	5.0	59.2		
	20	53.2	62.1	48.4	61.5	61.0	58.8	56.9	53.1	50.7	49.0	48.8	48.5	53.2	5.0	58.2		
	21	51.4	59.5	48.0	59.0	58.5	56.4	54.6	51.2	49.7	48.5	48.3	48.1	51.4	5.0	56.4		
Night	22	52.9	60.8	47.5	60.3	59.8	58.1	57.0	53.1	50.9	48.1	47.9	47.6	52.9	10.0	62.9		
	23	50.6	60.2	44.9	59.7	59.0	56.3	54.7	50.5	47.1	45.4	45.2	45.0	50.6	10.0	60.6		
Timeframe	Hour	L _{eq}	L _{max}	L _{min}	L1%	L2%	L5%	L8%	L25%	L50%	L90%	L95%	L99%	L _{eq} (dBA)				
Day	Min	54.3	64.2	44.6	63.8	63.0	60.6	59.0	54.0	48.4	45.4	45.1	44.7	24-Hour	Daytime	Nighttime		
	Max	59.3	71.3	50.6	70.5	69.6	67.2	64.7	58.6	53.3	51.5	51.2	50.8					
Energy Average		57.2	Average:		66.6	65.8	63.6	61.7	55.7	52.0	49.1	48.7	48.3	55.2			56.6	50.9
Evening	Min	51.4	59.5	48.0	59.0	58.5	56.4	54.6	51.2	49.7	48.5	48.3	48.1					
	Max	54.2	63.7	48.7	63.0	62.4	60.1	58.6	54.0	51.3	49.4	49.1	48.8	24-Hour CNEL (dBA)				
Energy Average		53.1	Average:		61.2	60.6	58.4	56.7	52.8	50.5	49.0	48.7	48.5	59.1				
Night	Min	44.3	52.6	40.5	52.1	51.2	49.0	47.3	43.9	42.5	41.1	40.8	40.6					
	Max	54.7	65.3	47.5	64.9	64.3	61.7	59.3	53.6	50.9	48.1	47.9	47.6					
Energy Average		50.9	Average:		58.2	57.4	55.1	53.3	49.1	46.4	44.3	44.1	43.8					

24-Hour Noise Level Measurement Summary

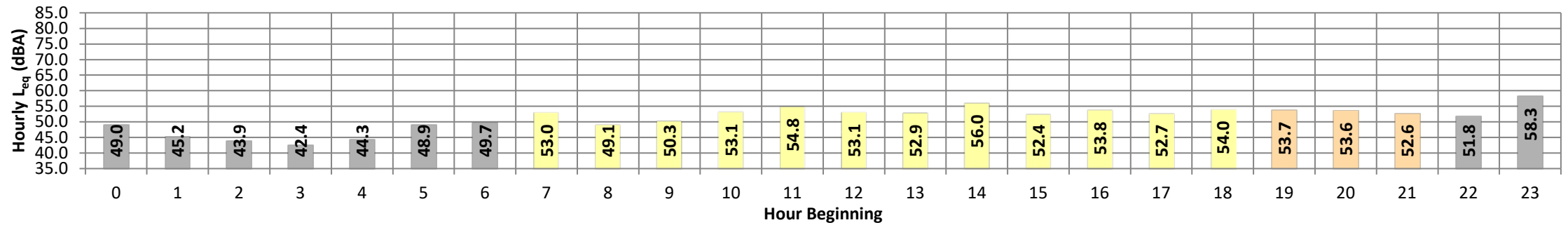
Date: Wednesday, March 17, 2021
Project: SAN FRANCISCO AVENUE

Location: L4 - Located south of the Project site by the Drake/Chavez
Soccer Fields at 903 Fairbanks Avenue.

Meter: Piccolo II

JN: 13987
Analyst: P. Mara

Hourly L_{eq} dBA Readings (unadjusted)



Timeframe	Hour	L_{eq}	L_{max}	L_{min}	L1%	L2%	L5%	L8%	L25%	L50%	L90%	L95%	L99%	L_{eq}	Adj.	Adj. L_{eq}		
Night	0	49.0	54.8	44.6	54.4	54.1	53.4	53.0	49.9	47.0	45.0	44.8	44.7	49.0	10.0	59.0		
	1	45.2	48.4	43.5	48.0	47.6	47.0	46.6	45.7	44.7	43.9	43.8	43.6	45.2	10.0	55.2		
	2	43.9	46.3	42.6	46.1	45.8	45.3	45.0	44.2	43.7	43.0	42.9	42.7	43.9	10.0	53.9		
	3	42.4	45.4	41.0	45.1	44.9	44.3	43.8	42.8	42.0	41.4	41.2	41.1	42.4	10.0	52.4		
	4	44.3	47.6	42.5	47.4	47.1	46.4	46.0	44.7	43.8	42.9	42.8	42.6	44.3	10.0	54.3		
	5	48.9	53.2	45.3	52.8	52.5	51.7	51.0	49.4	48.4	46.9	45.9	45.5	48.9	10.0	58.9		
	6	49.7	53.7	47.9	53.2	52.6	51.4	51.0	50.1	49.4	48.3	48.2	48.0	49.7	10.0	59.7		
Day	7	53.0	56.8	50.9	56.5	56.1	55.5	55.1	53.5	52.3	51.3	51.2	51.0	53.0	0.0	53.0		
	8	49.1	53.4	46.7	52.9	52.5	51.7	51.3	49.7	48.5	47.3	47.0	46.8	49.1	0.0	49.1		
	9	50.3	55.6	45.4	55.2	55.0	54.4	53.7	51.3	49.4	46.2	45.8	45.5	50.3	0.0	50.3		
	10	53.1	58.8	47.3	58.4	58.0	57.3	56.8	54.3	51.9	48.4	48.0	47.5	53.1	0.0	53.1		
	11	54.8	62.1	49.5	61.6	61.1	59.7	58.9	55.3	52.8	50.5	50.1	49.7	54.8	0.0	54.8		
	12	53.1	59.7	47.9	59.3	58.8	57.9	57.2	53.8	50.8	48.8	48.5	48.1	53.1	0.0	53.1		
	13	52.9	74.1	48.1	73.7	73.0	71.5	70.6	60.3	52.9	49.1	48.7	48.2	52.9	0.0	52.9		
	14	56.0	65.0	48.0	64.5	64.0	63.2	61.9	55.0	51.7	48.8	48.5	48.1	56.0	0.0	56.0		
	15	52.4	57.0	49.4	56.6	56.1	55.2	54.7	53.1	51.8	50.1	49.8	49.5	52.4	0.0	52.4		
	16	53.8	59.4	50.4	58.8	58.2	56.9	56.3	54.5	52.9	51.2	50.9	50.5	53.8	0.0	53.8		
	17	52.7	60.6	49.2	59.6	58.7	56.6	55.6	52.7	51.2	49.9	49.6	49.3	52.7	0.0	52.7		
	18	54.0	58.6	51.6	58.1	57.6	57.0	56.4	54.4	53.3	52.1	51.9	51.7	54.0	0.0	54.0		
Evening	19	53.7	58.1	51.6	57.7	57.2	56.0	55.5	54.2	53.1	52.1	51.9	51.7	53.7	5.0	58.7		
	20	53.6	58.0	51.3	57.5	57.2	56.5	56.0	54.1	52.7	51.8	51.6	51.4	53.6	5.0	58.6		
	21	52.6	55.9	51.2	55.6	55.2	54.4	54.0	52.9	52.4	51.6	51.5	51.3	52.6	5.0	57.6		
Night	22	51.8	54.7	49.9	54.5	54.3	53.8	53.5	52.5	51.3	50.3	50.2	49.9	51.8	10.0	61.8		
	23	58.3	65.4	50.4	65.1	64.9	64.7	64.4	58.7	52.1	50.7	50.6	50.5	58.3	10.0	68.3		
Timeframe	Hour	L_{eq}	L_{max}	L_{min}	L1%	L2%	L5%	L8%	L25%	L50%	L90%	L95%	L99%	L_{eq} (dBA)				
Day	Min	49.1	53.4	45.4	52.9	52.5	51.7	51.3	49.7	48.5	46.2	45.8	45.5	24-Hour	Daytime	Nighttime		
	Max	56.0	74.1	51.6	73.7	73.0	71.5	70.6	60.3	53.3	52.1	51.9	51.7					
Energy Average		53.3	Average:		59.6	59.1	58.1	57.4	54.0	51.6	49.5	49.2	48.8	24-Hour CNEL (dBA)				
Evening	Min	52.6	55.9	51.2	55.6	55.2	54.4	54.0	52.9	52.4	51.6	51.5	51.3					
	Max	53.7	58.1	51.6	57.7	57.2	56.5	56.0	54.2	53.1	52.1	51.9	51.7					
Energy Average		53.3	Average:		56.9	56.5	55.7	55.2	53.7	52.7	51.9	51.7	51.4	58.3				
Night	Min	42.4	45.4	41.0	45.1	44.9	44.3	43.8	42.8	42.0	41.4	41.2	41.1					
	Max	58.3	65.4	50.4	65.1	64.9	64.7	64.4	58.7	52.1	50.7	50.6	50.5					
Energy Average		51.1	Average:		51.9	51.5	50.9	50.5	48.7	46.9	45.8	45.6	45.4					

APPENDIX 7.1:

CADNAA OPERATIONAL NOISE MODEL INPUTS

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13987 - San Francisco Avenue

CadnaA Noise Prediction Model: 13987_03.cna

Date: 06.05.21

Analyst: S. Shami

Calculation Configuration

Configuration	
Parameter	Value
General	
Country	(user defined)
Max. Error (dB)	0.00
Max. Search Radius (#(Unit,LEN))	2000.01
Min. Dist Src to Rcvr	0.00
Partition	
Raster Factor	0.50
Max. Length of Section (#(Unit,LEN))	999.99
Min. Length of Section (#(Unit,LEN))	1.01
Min. Length of Section (%)	0.00
Proj. Line Sources	On
Proj. Area Sources	On
Ref. Time	
Reference Time Day (min)	960.00
Reference Time Night (min)	480.00
Daytime Penalty (dB)	0.00
Recr. Time Penalty (dB)	5.00
Night-time Penalty (dB)	10.00
DTM	
Standard Height (m)	0.00
Model of Terrain	Triangulation
Reflection	
max. Order of Reflection	2
Search Radius Src	100.00
Search Radius Rcvr	100.00
Max. Distance Source - Rcvr	1000.00 1000.00
Min. Distance Rcvr - Reflector	1.00 1.00
Min. Distance Source - Reflector	0.10
Industrial (ISO 9613)	
Lateral Diffraction	some Obj
Obst. within Area Src do not shield	On
Screening	Incl. Ground Att. over Barrier
	Dz with limit (20/25)
Barrier Coefficients C1,2,3	3.0 20.0 0.0
Temperature (#(Unit,TEMP))	10
rel. Humidity (%)	70
Ground Absorption G	0.50
Wind Speed for Dir. (#(Unit,SPEED))	3.0
Roads (RLS-90)	
Strictly acc. to RLS-90	
Railways (FTA/FRA)	
Aircraft (???)	
Strictly acc. to AzB	

Receiver Noise Levels

Name	M.	ID	Level Lr			Limit. Value			Land Use			Height	Coordinates		
			Day	Night	CNEL	Day	Night	CNEL	Type	Auto	Noise Type		X	Y	Z
			(dBA)	(dBA)	(dBA)	(dBA)	(dBA)	(dBA)				(ft)	(ft)	(ft)	(ft)
RECEIVERS	R1	43.6	42.6	49.1	50.0	45.0	0.0					5.00 a	5968518.89	2236673.75	5.00
RECEIVERS	R2	45.8	44.8	51.2	50.0	45.0	0.0					5.00 a	5969807.32	2234819.91	5.00
RECEIVERS	R3	31.6	30.3	36.8	50.0	45.0	0.0					5.00 a	5968945.09	2233473.86	5.00
RECEIVERS	R4	36.5	35.5	41.9	50.0	45.0	0.0					5.00 a	5968229.03	2232946.09	5.00

Point Source(s)

Name	M.	ID	Result. PWL			Lw / Li		Operating Time			K0	Height	Coordinates		
			Day	Evening	Night	Type	Value	norm.	Day	Special	Night		X		
			(dBA)	(dBA)	(dBA)				(min)	(min)	(min)	(dB)	(ft)	(ft)	(ft)
POINTSOURCE		PARK26	87.8	87.8	87.8	Lw	87.8		900.00	0.00	540.00	0.0	5.00 a	5968116.92	2235100.31
POINTSOURCE		PARK25	87.8	87.8	87.8	Lw	87.8		900.00	0.00	540.00	0.0	5.00 a	5968164.01	2235096.93
POINTSOURCE		PARK24	87.8	87.8	87.8	Lw	87.8		900.00	0.00	540.00	0.0	5.00 a	5968119.05	2234965.33
POINTSOURCE		PARK23	87.8	87.8	87.8	Lw	87.8		900.00	0.00	540.00	0.0	5.00 a	5968165.26	2234963.47
POINTSOURCE		PARK22	87.8	87.8	87.8	Lw	87.8		900.00	0.00	540.00	0.0	5.00 a	5968114.71	2234914.03
POINTSOURCE		PARK21	87.8	87.8	87.8	Lw	87.8		900.00	0.00	540.00	0.0	5.00 a	5968163.37	2234913.10
POINTSOURCE		PARK20	87.8	87.8	87.8	Lw	87.8		900.00	0.00	540.00	0.0	5.00 a	5968114.71	2234868.18
POINTSOURCE		PARK19	87.8	87.8	87.8	Lw	87.8		900.00	0.00	540.00	0.0	5.00 a	5968161.50	2234864.43
POINTSOURCE		PARK18	87.8	87.8	87.8	Lw	87.8		900.00	0.00	540.00	0.0	5.00 a	5968159.63	2234674.46
POINTSOURCE		PARK17	87.8	87.8	87.8	Lw	87.8		900.00	0.00	540.00	0.0	5.00 a	5968157.76	2234713.76
POINTSOURCE		PARK16	87.8	87.8	87.8	Lw	87.8		900.00	0.00	540.00	0.0	5.00 a	5968123.13	2234674.46
POINTSOURCE		PARK15	87.8	87.8	87.8	Lw	87.8		900.00	0.00	540.00	0.0	5.00 a	5967891.50	2234407.72

Name	M.	ID	Result. PWL			Lw / Li			Operating Time			K0	Height	Coordinates			
			Day	Evening	Night	Type	Value	norm.	Day	Special	Night			X	Y	Z	
			(dBA)	(dBA)	(dBA)			dB(A)	(min)	(min)	(min)	(dB)	(ft)	(ft)	(ft)	(ft)	
POINTSOURCE		PARK14	87.8	87.8	87.8	Lw	87.8		900.00	0.00	540.00	0.0	5.00	a	5967887.30	2234063.35	5.00
POINTSOURCE		PARK13	87.8	87.8	87.8	Lw	87.8		900.00	0.00	540.00	0.0	5.00	a	5967908.82	2234785.82	5.00
POINTSOURCE		PARK12	87.8	87.8	87.8	Lw	87.8		900.00	0.00	540.00	0.0	5.00	a	5967943.45	2234784.89	5.00
POINTSOURCE		PARK11	87.8	87.8	87.8	Lw	87.8		900.00	0.00	540.00	0.0	5.00	a	5967989.75	2234398.65	5.00
POINTSOURCE		PARK10	87.8	87.8	87.8	Lw	87.8		900.00	0.00	540.00	0.0	5.00	a	5968024.10	2234399.35	5.00
POINTSOURCE		PARK09	87.8	87.8	87.8	Lw	87.8		900.00	0.00	540.00	0.0	5.00	a	5968084.04	2234395.98	5.00
POINTSOURCE		PARK08	87.8	87.8	87.8	Lw	87.8		900.00	0.00	540.00	0.0	5.00	a	5967914.59	2234446.21	5.00
POINTSOURCE		PARK07	87.8	87.8	87.8	Lw	87.8		900.00	0.00	540.00	0.0	5.00	a	5967940.28	2234446.02	5.00
POINTSOURCE		PARK06	87.8	87.8	87.8	Lw	87.8		900.00	0.00	540.00	0.0	5.00	a	5967989.96	2234445.08	5.00
POINTSOURCE		PARK05	87.8	87.8	87.8	Lw	87.8		900.00	0.00	540.00	0.0	5.00	a	5968014.70	2234444.33	5.00
POINTSOURCE		PARK04	87.8	87.8	87.8	Lw	87.8		900.00	0.00	540.00	0.0	5.00	a	5968080.51	2234441.71	5.00
POINTSOURCE		PARK03	87.8	87.8	87.8	Lw	87.8		900.00	0.00	540.00	0.0	5.00	a	5968127.94	2234440.21	5.00
POINTSOURCE		PARK02	87.8	87.8	87.8	Lw	87.8		900.00	0.00	540.00	0.0	5.00	a	5967890.39	2234372.96	5.00
POINTSOURCE		PARK01	87.8	87.8	87.8	Lw	87.8		900.00	0.00	540.00	0.0	5.00	a	5967889.50	2234320.65	5.00
POINTSOURCE		AC01	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	0.0	5.00	g	5968154.04	2234489.51	50.00
POINTSOURCE		AC02	88.9	88.9	88.9	Lw	88.9		585.00	0.00	252.00	0.0	5.00	g	5968152.66	2234336.75	50.00
POINTSOURCE		Trash01	89.0	89.0	89.0	Lw	89		150.00	0.00	90.00	0.0	5.00	a	5967882.82	2234103.47	5.00
POINTSOURCE		Trash02	89.0	89.0	89.0	Lw	89		150.00	0.00	90.00	0.0	5.00	a	5967895.95	2234765.46	5.00

Line Source(s)

Name	M.	ID	Result. PWL			Result. PWL'			Lw / Li			Operating Time			Moving Pt. Src			Height	
			Day	Evening	Night	Day	Evening	Night	Type	Value	norm.	Day	Special	Night	Number		Speed		
			(dBA)	(dBA)	(dBA)	(dBA)	(dBA)	(dBA)		dB(A)		(min)	(min)	(min)	Day	Evening	Night	(mph)	(ft)
LINESOURCE		DWY01	85.8	69.5	76.5	69.5	53.2	60.2	PWL-Pt	93.2					43.0	1.0	5.0	6.2	8
LINESOURCE		DWY02	90.5	74.2	81.1	69.5	53.2	60.2	PWL-Pt	93.2					43.0	1.0	5.0	6.2	8
LINESOURCE		DWY03	89.1	72.8	79.8	69.5	53.2	60.2	PWL-Pt	93.2					43.0	1.0	5.0	6.2	8

Name	Height		Coordinates			
	Begin	End	x	y	z	Ground
	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)
LINESOURCE	8.00	a	5967917.34	2234158.72	8.00	0.00
			5967918.99	2234019.97	8.00	0.00
LINESOURCE	8.00	a	5967908.85	2234287.64	8.00	0.00
			5967911.72	2234420.77	8.00	0.00
			5968187.14	2234412.93	8.00	0.00
LINESOURCE	8.00	a	5967955.34	2234726.80	8.00	0.00
			5967956.45	2234786.44	8.00	0.00
			5968193.34	2234781.83	8.00	0.00

Area Source(s)

Name	M.	ID	Result. PWL			Result. PWL''			Lw / Li			Operating Time			Height
			Day	Evening	Night	Day	Evening	Night	Type	Value	norm.	Day	Special	Night	(ft)
			(dBA)	(dBA)	(dBA)	(dBA)	(dBA)	(dBA)		dB(A)		(min)	(min)	(min)	
AREASOURCE		DOCK02	111.5	111.5	111.5	78.9	78.9	78.9	Lw	111.5		900.00	0.00	540.00	8
AREASOURCE		DOCK01	111.5	111.5	111.5	82.1	82.1	82.1	Lw	111.5		900.00	0.00	540.00	8

Name	Height		Coordinates			
	Begin	End	x	y	z	Ground
	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)
AREASOURCE	8.00	a	5968008.48	2234157.14	8.00	0.00
			5967856.39	2234159.78	8.00	0.00
			5967859.23	2234288.41	8.00	0.00
			5968011.17	2234286.06	8.00	0.00
AREASOURCE	8.00	a	5967931.31	2234666.21	8.00	0.00
			5967933.33	2234727.48	8.00	0.00
			5968087.39	2234722.73	8.00	0.00
			5968086.17	2234661.97	8.00	0.00

Building(s)

Name	M.	ID	RB	Residents	Absorption	Height	Coordinates				
						Begin	x	y	z	Ground	
						(ft)	(ft)	(ft)	(ft)	(ft)	
BUILDING		BUILDING00001	x	0		20.00	a	5968072.16	2233911.75	20.00	0.00
								5968232.28	2233911.75	20.00	0.00
								5968227.40	2233692.71	20.00	0.00
								5968068.91	2233695.96	20.00	0.00
BUILDING		BUILDING00002	x	0		20.00	a	5968171.08	2233523.23	20.00	0.00
								5968224.57	2233521.06	20.00	0.00
								5968218.07	2233117.01	20.00	0.00
								5968166.75	2233119.18	20.00	0.00
BUILDING		BUILDING00003	x	0		20.00	a	5968285.29	2233520.34	20.00	0.00
								5968336.61	2233518.17	20.00	0.00
								5968330.10	2233112.67	20.00	0.00
								5968277.34	2233116.28	20.00	0.00

Name	M.	ID	RB	Residents	Absorption	Height	Coordinates			
						Begin	x	y	z	Ground
						(ft)	(ft)	(ft)	(ft)	(ft)
BUILDING		BUILDING00004	x	0		20.00	a	5967962.91	2233562.26	20.00
								5968090.13	2233560.10	20.00
								5968085.07	2233279.64	20.00
								5967953.51	2233278.92	20.00
BUILDING		BUILDING00005	x	0		20.00	a	5968538.28	2233880.31	20.00
								5968525.26	2233881.03	20.00
								5968525.26	2233902.71	20.00
								5968682.12	2233901.27	20.00
								5968684.29	2233907.77	20.00
								5968733.44	2233905.60	20.00
								5968732.71	2233827.54	20.00
								5968613.45	2233828.98	20.00
								5968611.28	2233724.90	20.00
								5968671.27	2233722.01	20.00
								5968670.55	2233699.60	20.00
								5968722.59	2233698.88	20.00
								5968724.76	2233650.45	20.00
								5968539.72	2233659.12	20.00
BUILDING		BUILDING00006	x	0		45.00	a	5967956.91	2234379.30	45.00
								5968085.23	2234376.30	45.00
								5968085.83	2234373.90	45.00
								5968091.82	2234373.60	45.00
								5968091.22	2234375.70	45.00
								5968095.12	2234375.70	45.00
								5968095.12	2234373.30	45.00
								5968114.01	2234372.70	45.00
								5968114.01	2234375.10	45.00
								5968143.99	2234374.50	45.00
								5968143.39	2234370.60	45.00
								5968173.07	2234369.70	45.00
								5968172.77	2234354.71	45.00
								5968176.37	2234355.01	45.00
								5968176.37	2234351.71	45.00
								5968173.97	2234351.41	45.00
								5968170.97	2234068.40	45.00
								5968168.27	2234068.40	45.00
								5968168.27	2234062.70	45.00
								5968162.57	2234062.70	45.00
								5968162.87	2234059.70	45.00
								5967960.21	2234064.80	45.00
								5967960.21	2234068.40	45.00
								5967953.91	2234067.80	45.00
								5967954.21	2234074.40	45.00
								5967951.21	2234074.40	45.00
								5967952.41	2234158.34	45.00
								5968008.48	2234157.14	45.00
								5968011.17	2234286.06	45.00
								5967955.71	2234287.26	45.00
BUILDING		BUILDING00007	x	0		45.00	a	5967887.11	2234667.42	45.00
								5968172.13	2234659.61	45.00
								5968171.48	2234655.48	45.00
								5968177.77	2234655.48	45.00
								5968178.21	2234649.62	45.00
								5968181.03	2234649.41	45.00
								5968179.07	2234530.23	45.00
								5968175.82	2234530.23	45.00
								5968175.82	2234524.59	45.00
								5968178.64	2234524.81	45.00
								5968178.64	2234520.46	45.00
								5968176.25	2234520.46	45.00
								5968175.17	2234502.01	45.00
								5968177.99	2234502.01	45.00
								5968178.21	2234494.85	45.00
								5968175.60	2234494.85	45.00
								5968175.17	2234476.18	45.00
								5968177.99	2234476.40	45.00
								5968177.55	2234472.27	45.00
								5968172.78	2234472.06	45.00
								5968173.00	2234457.73	45.00
								5968142.82	2234458.82	45.00
								5968143.26	2234454.91	45.00
								5968140.22	2234455.34	45.00
								5968139.57	2234457.30	45.00
								5968120.68	2234458.16	45.00
								5968120.68	2234455.34	45.00
								5968113.52	2234455.34	45.00
								5968113.30	2234457.51	45.00

Name	M.	ID	RB	Residents	Absorption	Height	Coordinates				
						Begin	x	y	z	Ground	
						(ft)	(ft)	(ft)	(ft)	(ft)	
							5968095.28	2234458.60	45.00	0.00	
							5968095.07	2234455.78	45.00	0.00	
							5968091.81	2234455.78	45.00	0.00	
							5968090.94	2234458.82	45.00	0.00	
							5968085.08	2234458.60	45.00	0.00	
							5968085.08	2234456.21	45.00	0.00	
							5967892.32	2234461.64	45.00	0.00	
							5967892.10	2234465.33	45.00	0.00	
							5967886.89	2234465.11	45.00	0.00	
							5967886.46	2234471.19	45.00	0.00	
							5967883.85	2234470.76	45.00	0.00	
BUILDING		BUILDING00008	x	0		20.00	a	5968120.68	2235051.31	20.00	0.00
								5968193.50	2235049.69	20.00	0.00
								5968192.63	2234989.32	20.00	0.00
								5968120.18	2234990.94	20.00	0.00

APPENDIX 8.1:

CADNAA CONSTRUCTION NOISE MODEL INPUTS

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13987 - San Francisco Avenue

CadnaA Noise Prediction Model: 13987_02_Construction.cna

Date: 14.04.21

Analyst: S. Shami

Calculation Configuration

Configuration	
Parameter	Value
General	
Country	(user defined)
Max. Error (dB)	0.00
Max. Search Radius (#(Unit,LEN))	2000.01
Min. Dist Src to Rcvr	0.00
Partition	
Raster Factor	0.50
Max. Length of Section (#(Unit,LEN))	999.99
Min. Length of Section (#(Unit,LEN))	1.01
Min. Length of Section (%)	0.00
Proj. Line Sources	On
Proj. Area Sources	On
Ref. Time	
Reference Time Day (min)	960.00
Reference Time Night (min)	480.00
Daytime Penalty (dB)	0.00
Recr. Time Penalty (dB)	5.00
Night-time Penalty (dB)	10.00
DTM	
Standard Height (m)	0.00
Model of Terrain	Triangulation
Reflection	
max. Order of Reflection	2
Search Radius Src	100.00
Search Radius Rcvr	100.00
Max. Distance Source - Rcvr	1000.00 1000.00
Min. Distance Rcvr - Reflector	1.00 1.00
Min. Distance Source - Reflector	0.10
Industrial (ISO 9613)	
Lateral Diffraction	some Obj
Obst. within Area Src do not shield	On
Screening	Incl. Ground Att. over Barrier
	Dz with limit (20/25)
Barrier Coefficients C1,2,3	3.0 20.0 0.0
Temperature (#(Unit,TEMP))	10
rel. Humidity (%)	70
Ground Absorption G	0.50
Wind Speed for Dir. (#(Unit,SPEED))	3.0
Roads (RLS-90)	
Strictly acc. to RLS-90	
Railways (FTA/FRA)	
Aircraft (???)	
Strictly acc. to AzB	

Receiver Noise Levels

Name	M.	ID	Level Lr			Limit. Value			Land Use			Height	Coordinates		
			Day	Night	CNEL	Day	Night	CNEL	Type	Auto	Noise Type		X	Y	Z
			(dBA)	(dBA)	(dBA)	(dBA)	(dBA)	(dBA)				(ft)	(ft)	(ft)	(ft)
RECEIVERS	R1	54.4	54.4	61.0	0.0	0.0	0.0	0.0		x	Total	5.00 a	5968518.89	2236673.75	5.00
RECEIVERS	R2	56.3	56.3	63.0	0.0	0.0	0.0	0.0		x	Total	5.00 a	5969807.32	2234819.91	5.00
RECEIVERS	R3	59.1	59.1	65.8	0.0	0.0	0.0	0.0		x	Total	5.00 a	5968945.09	2233473.86	5.00
RECEIVERS	R4	58.1	58.1	64.8	0.0	0.0	0.0	0.0		x	Total	5.00 a	5968229.03	2232946.09	5.00

Area Source(s)

Name	M.	ID	Result. PWL			Result. PWL"			Lw / Li			Operating Time			Height
			Day	Evening	Night	Day	Evening	Night	Type	Value	norm.	Day	Special	Night	(ft)
			(dBA)	(dBA)	(dBA)	(dBA)	(dBA)	(dBA)			dB(A)	(min)	(min)	(min)	
SITEBOUNDARY		CONSTRUCTION	123.3	123.3	123.3	79.0	79.0	79.0	Lw"	79					8

Name	Height		Coordinates			
	Begin	End	x	y	z	Ground
	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)
SITEBOUNDARY	8.00 a		5968087.37	2235132.05	8.00	0.00
			5968199.18	2235129.28	8.00	0.00
			5968180.43	2234013.30	8.00	0.00
			5967853.34	2234021.64	8.00	0.00
			5967870.71	2234809.14	8.00	0.00
			5968082.51	2234803.58	8.00	0.00

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APPENDIX I

TRIP GENERATION ASSESSMENT

August 16, 2021

Mr. Clark Neuhoff
Alere Property Group LLC
100 Bayview Circle, Suite 310
Newport Beach, CA 92660

SUBJECT: SAN FRANCISCO AVENUE TRIP GENERATION ASSESSMENT

Dear Mr. Clark Neuhoff:

This letter has been prepared to document the findings for the Trip Generation Assessment for the proposed San Francisco Avenue development (**Project**) located at the northwest corner of San Francisco Avenue and Anaheim Street in the City of Long Beach. It is our understanding that the Project is to consist of two warehouse buildings totaling 129,422 square feet, with Building 1 at 62,042 square feet, Building 2 at 61,553 square feet, and an existing 5,827 square foot building (to remain).

PROPOSED PROJECT

The preliminary site plan for the proposed Project is shown on Exhibit 1. The proposed Project is to consist of two warehouse buildings with Building 1 at 62,042 square feet and Building 2 at 61,553 square feet. For the purposes of this trip generation assessment, the mix of uses for the Project is assumed to consist of 61,797 square feet of warehousing use (no less than 50% warehousing use anticipated) and 61,798 square feet of general light industrial use (remaining 50% of the total square footage). In an effort to conduct a conservative analysis, the remaining 50% of the building square footage has been evaluated assuming the General Light Industrial land use which has a higher trip generation rate than Warehousing land use. Access to the Project site will be provided at Cowles Street and W. 14th Street along San Francisco Avenue and one driveway on Anaheim Street (frontage road).

TRIP GENERATION

Trip generation rates for the existing and proposed uses are shown on Table 1. The trip generation rates used for this analysis are based upon information collected by the Institute of Transportation Engineers (ITE) as provided in their Trip Generation Manual (10th Edition, 2017). For purposes of the trip generation assessment, the following ITE land use codes and vehicle mixes have been utilized for the existing and proposed uses (see Table 1):

- ITE land use code 110 (General Light Industrial) has been used to derive site specific trip generation estimates for the existing use and 50% of the overall square footage of the proposed Project. It should be

noted that the General Light Industrial use has been utilized for the proposed Project in an effort to conduct a conservative trip generation assessment as the General Light Industrial use generates more trips than a typical Warehouse (ITE land use code 150). The ITE Trip Generation Handbook (3rd Edition, 2017) identifies a 2-8% mix of heavy trucks.

- ITE land use code 150 (Warehousing) has been used to derive site specific trip generation estimates for 50% of the overall square footage of the proposed Project. The vehicle mix has been obtained from the ITE's Trip Generation Manual Supplement (dated February 2020). This study identifies a 13-27% mix of heavy trucks.
- Consistent with the City's Traffic Impact Analysis Guidelines (dated June 2020), a passenger car equivalent (PCE) factor of 2.0 has been applied to the heavy trucks. PCE is commonly used to assess heavy trucks by translating them into passenger car equivalents for the purposes of assessing the presence of heavy trucks and their effect to the highway capacity and overall intersection operations. Truck lengths and weight result in slower acceleration/deceleration, slower overall speeds, and following distance needed behind other vehicles are some of the reasons why truck traffic is translated into PCE, where 1 truck would be equivalent to 2 passenger cars.

TABLE 1: TRIP GENERATION RATES

Land Use ¹	Units ²	ITE LU Code	AM Peak Hour			PM Peak Hour			
			In	Out	Total	In	Out	Total	Daily
Actual Vehicles:									
General Light Industrial ³	TSF	110	0.616	0.084	0.700	0.082	0.548	0.630	4.960
Passenger Cars			0.598	0.081	0.679	0.080	0.537	0.617	4.563
Trucks			0.018	0.003	0.021	0.002	0.011	0.013	0.397
Warehousing ³	TSF	150	0.131	0.039	0.170	0.051	0.139	0.190	1.740
Passenger Cars			0.114	0.034	0.148	0.044	0.118	0.162	1.270
Trucks			0.017	0.005	0.022	0.008	0.021	0.029	0.470
Passenger Car Equivalent (PCE): ⁴									
General Light Industrial ³	TSF	110	0.616	0.084	0.700	0.082	0.548	0.630	4.960
Passenger Cars			0.598	0.081	0.679	0.080	0.537	0.617	4.563
Trucks (PCE = 2.0)			0.037	0.005	0.042	0.003	0.022	0.025	0.794
Warehousing ³	TSF	150	0.131	0.039	0.170	0.051	0.139	0.190	1.740
Passenger Cars			0.114	0.034	0.148	0.044	0.118	0.162	1.270
Trucks (PCE = 2.0)			0.034	0.010	0.044	0.015	0.042	0.057	0.940

¹ Trip Generation Source: Institute of Transportation Engineers (ITE), Trip Generation Manual, Tenth Edition (2017).

² TSF = thousand square feet

³ Vehicle Mix Source: ITE Trip Generation Handbook Supplement (2020), Appendix C.

⁴ PCE factor is 2.0 per City's TIA Guidelines (June 2020).

CURRENTLY ADOPTED GENERAL PLAN LAND USE

Building 1 is located on a vacant parcel (currently paved for parking, no building). However, Building 2 is currently being utilized for long-term contractor parking. The site is currently occupied by a 19,300 square foot building in the northeast corner of the site. Both sites for Buildings 1 and 2 are designated for Light Industrial use.

The City's General Plan (December 2019) identifies the existing land use on the site as Neo-Industrial, which allows non-residential development at an intensity of 0.5-1.00 floor to area ratio (FAR) of industrial uses. As such, the existing 6.31-acre site currently assumes between 137,432 square feet to 274,864 square feet of light industrial uses. The trip generation summary illustrating daily, and peak hour trip generation estimates are shown on Table 2 for the currently adopted land use. As shown on Table 2, the currently adopted General Plan land use generates 684 two-way trips per day with 96 AM peak hour trips and 87 PM peak hour trips (actual vehicles). PCE trip generation is also summarized on Table 2. The currently adopted General Plan land use generates 738 two-way PCE trips per day with 99 PCE AM peak hour trips and 88 PCE PM peak hour trips.

TABLE 2: CURRENTLY ADOPTED GENERAL PLAN TRIP GENERATION

Proposed Land Use	Quantity Units ¹	AM Peak Hour			PM Peak Hour			Daily
		In	Out	Total	In	Out	Total	
Actual Vehicles:								
General Light Industrial (100%)	137.432 TSF							
Passenger Cars:		82	11	93	11	74	85	628
Truck Trips		3	0	3	0	2	2	56
Total Trips (Actual Vehicles)²		85	11	96	11	76	87	684
Passenger Car Equivalent (PCE):								
General Light Industrial (100%)	137.432 TSF							
Passenger Cars:		82	11	93	11	74	85	628
Truck Trips		5	1	6	0	3	3	110
Total Trips (PCE)²		87	12	99	11	77	88	738

¹ TSF = thousand square feet

² Total Trips = Passenger Cars + Truck Trips.

PROPOSED PROJECT

The trip generation summary illustrating daily, and peak hour trip generation estimates for the proposed Project are shown on Table 3 based on the trip generation rates previously identified on Table 1 for the plan reflected on Exhibit 1. The Project is proposed to be developed at a less intense FAR than that allowed by the City's General Plan (Project's FAR is 0.47).

In an effort to conduct a conservative analysis, the trip generation for the proposed Project has been evaluated assuming a mix of 50% warehousing (61,797 square feet) and 50% general light industrial use (61,798 square feet). As shown on Table 3, the proposed Project is anticipated to generate 416 two-way trips per day with 53 AM peak hour trips and 50 PM peak hour trips. The proposed Project is anticipated to generate 468 two-way PCE trips per day with 56 PCE AM peak hour trips and 53 PCE PM peak hour trips.

TABLE 3: PROPOSED PROJECT TRIP GENERATION SUMMARY

		AM Peak Hour			PM Peak Hour			
Proposed Land Use	Quantity Units ¹	In	Out	Total	In	Out	Total	Daily
Actual Vehicles:								
General Light Industrial (50%)	61.798 TSF							
Passenger Cars:		37	5	42	5	33	38	282
Truck Trips		1	0	1	0	1	1	26
Warehousing (50%)	61.797 TSF							
Passenger Cars:		7	2	9	3	7	10	78
Truck Trips		1	0	1	0	1	1	30
Total Trips (Actual Vehicles) ²		46	7	53	8	42	50	416
Passenger Car Equivalent (PCE):								
General Light Industrial (50%)	61.798 TSF							
Passenger Cars:		37	5	42	5	33	38	282
Truck Trips		2	0	2	0	1	1	50
Warehousing (50%)	61.797 TSF							
Passenger Cars:		7	2	9	3	7	10	78
Truck Trips		2	1	3	1	3	4	58
Total Trips (PCE) ²		48	8	56	9	44	53	468

¹ TSF = thousand square feet

² Total Trips = Passenger Cars + Truck Trips.

TRIP GENERATION COMPARISON

Table 4 shows the trip generation comparison and the resulting net change in trips between the currently adopted General Plan land use and the proposed Project. In an effort to conduct a conservative comparison, the trip generation based on PCE has been utilized for the proposed Project. As shown on Table 4, the proposed Project would result in 270 fewer two-way trips per day and a net reduction of 43 AM peak hour trips and 35 PM peak hour trips (in PCE).

TABLE 4: TRIP GENERATION COMPARISON

Land Use	AM Peak Hour			PM Peak Hour			Daily
	In	Out	Total	In	Out	Total	
Currently Adopted Use							
Passenger Cars:	82	11	93	11	74	85	628
Total Truck Trips (PCE):	5	1	6	0	3	3	110
Total Trips	87	12	99	11	77	88	738
Proposed Project							
Passenger Cars:	44	7	51	8	40	48	360
Total Truck Trips (PCE):	4	1	5	1	4	5	108
Total Trips	48	8	56	9	44	53	468
Variance							
Passenger Cars:	-38	-4	-42	-3	-34	-37	-268
Total Truck Trips (PCE):	-1	0	-1	1	1	2	-2
Total Trips	-39	-4	-43	-2	-33	-35	-270

The development of the proposed Project is anticipated to generate fewer than 50 new peak hour trips (in PCE) and fewer than 500 net new two-way trips per day in comparison to the currently adopted General Plan land use. Based on the City's TIA Guidelines, additional traffic operations analysis is not necessary.

If you have any questions or comments, I can be reached at (949) 861-0177.

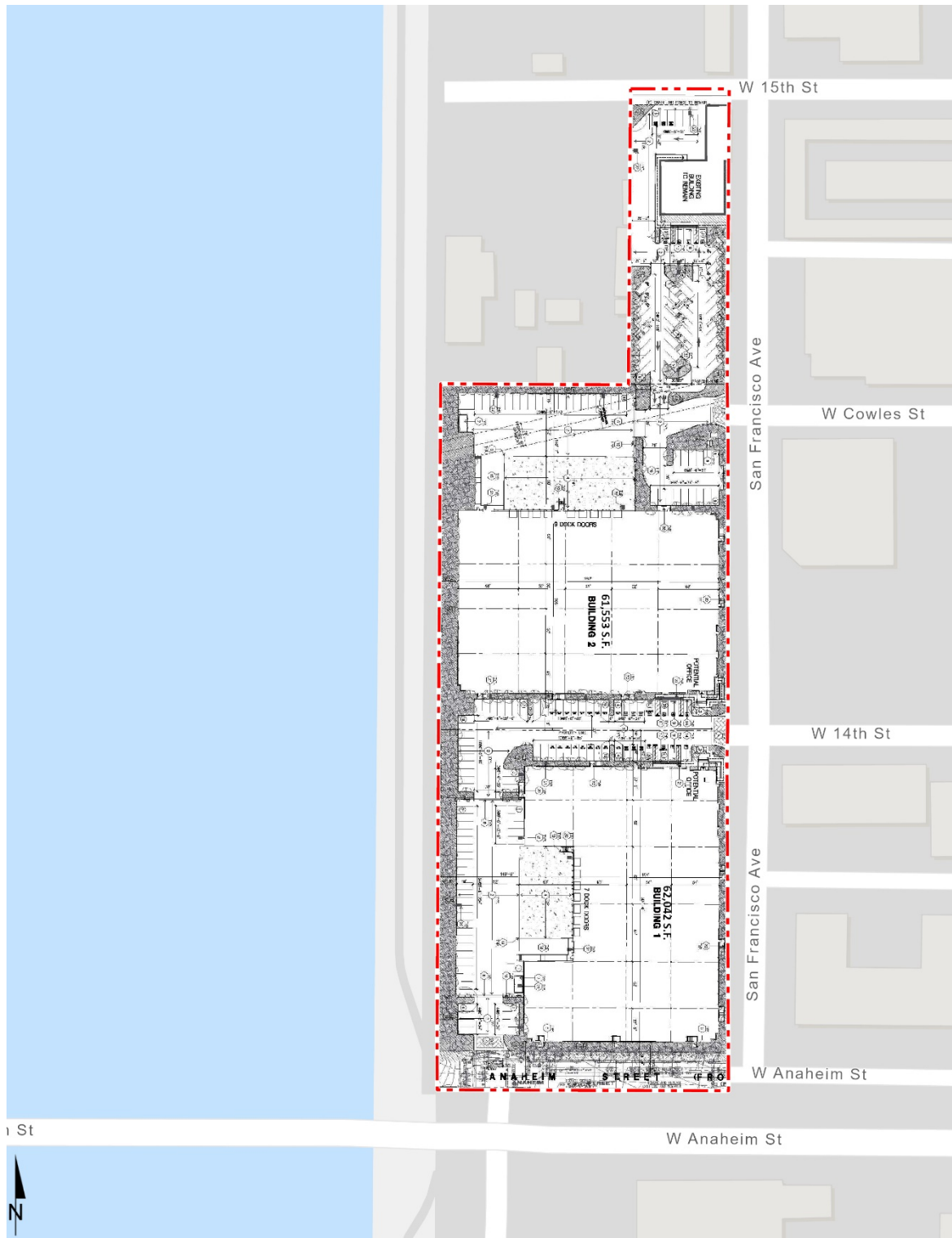
URBAN CROSSROADS, INC.



Charlene So, PE
Associate Principal

Attachments

EXHIBIT 1: PRELIMINARY SITE PLAN



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APPENDIX J

VEHICLE MILES TRAVELED SCREENING ANALYSIS

August 9, 2021

Mr. Clark Neuhoff
Alere Property Group
100 Bayview Circle Suite 310
Newport Beach, CA 92660

SUBJECT: SAN FRANCISCO AVENUE VEHICLE MILES TRAVELED (VMT) SCREENING ANALYSIS

Dear Mr. Clark Neuhoff:

The following Vehicle Miles Traveled (VMT) Screening Analysis has been prepared for the proposed San Francisco Avenue industrial development (**Project**), which is located on the northwest corner of San Francisco Avenue and Anaheim Street in the City of Long Beach.

PROJECT OVERVIEW

The proposed Project is to consist of two warehouse buildings totaling 129,422 square feet, with Building 1 at 62,042 square feet, Building 2 at 61,553 square feet, and an existing 5,827 square foot building (to remain).

BACKGROUND

Changes to California Environmental Quality Act (CEQA) Guidelines adopted in December 2018, which requires all lead agencies to adopt VMT as a replacement for automobile delay-based level of service (LOS) as the measure for identifying transportation impacts for land use projects. This statewide mandate went into effect July 1, 2020. To aid in this transition, the Governor's Office of Planning and Research (OPR) released a Technical Advisory on Evaluating Transportation Impacts in CEQA (December of 2018) (**Technical Advisory**). (1) Based on OPR's Technical Advisory, the City of Long Beach has adopted their City of Long Beach Traffic Impact Analysis Guidelines (June of 2020) (**City Guidelines**) (2). The adopted City Guidelines have been utilized to prepare VMT analysis.

PROJECT SCREENING

The City Guidelines provides details on appropriate screening criteria that can be used to identify when a proposed land use project is anticipated to result in a less than significant impact without conducting

a more detailed analysis. Land development projects that have one or more of the following attributes may be presumed to create a less than significant impact:

- Small Projects - Low Trip Generator
- Low VMT Area
- Transit Priority Area
- Other Land Uses

A land use project need only satisfy one of the above screening criteria to be considered less than significant.

SMALL PROJECTS - LOW TRIP GENERATOR

The City Guidelines identifies that small projects that generate fewer than 500 ADT would generate GHG emissions below applicable thresholds and would therefore be considered less than significant. The trip generation rates used for this analysis are based on the trip generation statistics published in the Institute of Transportation Engineer (ITE) Trip Generation Manual (10th Edition, 2017) (3). For the purposes of this trip generation assessment, the mix of uses for the Project is assumed to consist of 61,797 square feet of warehousing use (no less than 50% warehousing use anticipated) and 61,798 square feet of general light industrial use (remaining 50% of the total square footage). In an effort to conduct a conservative analysis, the remaining 50% of the building square footage has been evaluated assuming the General Light Industrial land use which has a higher trip generation rate than Warehousing land use. Attachment A provides a summary of the Project's estimated trip generation. The Project is estimated to generate a total 416 vehicle trip ends per day, which is below the identified City threshold.

Low Trip Generator criteria is met.

LOW VMT AREAS

City Guidelines state that residential and office projects located within a low VMT-generating area, as identified in the map-based screening, may be presumed to have a less than significant impact. As shown in Attachment B, a map of VMT per employee throughout Long Beach contained within the City Guidelines was used. The data contained within the map was obtained from the 2016 SCAG RTP/SCS travel demand model and are compared to the regional average VMT per employee for Los Angeles County to identify VMT-efficient areas for future office development (shown in green) where average VMT per employee is lower than the County average by 15 percent or more and projects with similar characteristics would be presumed to have a less than significant transportation impact. Yellow areas indicate a VMT per employee between 15 percent below and 15 percent above the County average, where project design features or mitigation may result in a less than significant impact. Red areas indicate a VMT per employee higher than 15 percent above the County average. In these areas, VMT impacts are likely to remain significant. The proposed Project's location is identified (see Attachment B)

on the City's low VMT Area screening map and was not found to reside within a Low VMT area based on VMT per employee.

Low VMT Area Screening criteria is not met.

TRANSIT PRIORITY AREA

Consistent with guidance identified in the Technical Advisory, City Guidelines note that projects located within a Transit Priority Area (TPA) (i.e., within ½ mile of an existing "major transit stop"¹ or an existing stop along a "high-quality transit corridor"²) may be presumed to have a less than significant impact absent substantial evidence to the contrary. However, the presumption may not be appropriate if a project:

- Has a Floor Area Ratio (FAR) of less than 0.75;
- Includes more parking for use by residents, customers, or employees of the project than required by the jurisdiction (if the jurisdiction requires the project to supply parking);
- Is inconsistent with the applicable Sustainable Communities Strategy (as determined by the lead agency, with input from the Metropolitan Planning Organization); or
- Replaces affordable residential units with a smaller number of moderate- or high-income residential units.

Based on City Guidelines, the Long Beach Transit Priority Areas Map results as illustrated in Attachment C, the Project site is located along a high-quality transit corridor. However, the Project as designed does not meet the secondary requirement of having a FAR exceeding 0.75.

TPA Screening criteria is not met.

OTHER LAND USES

The City Guidelines state that projects consisting of the following specific uses are eligible for screening.

Retail development that is 50,000 square feet (sf) or less is likely to be local-serving and tends to shorten trips within Long Beach. Therefore, any retail project 50,000 sf or less will be presumed to have a less than significant transportation impact related to CEQA Guidelines Section 15064.3, subdivision (b).

Affordable residential development in areas with inadequate affordable housing has the potential to shorten commute distances and/or increase the proportion of residents using transit, which would reduce VMT.

¹ Pub. Resources Code, § 21064.3 ("Major transit stop" means a site containing an existing rail transit station, a ferry terminal served by either a bus or rail transit service, or the intersection of two or more major bus routes with a frequency of service interval of 15 minutes or less during the morning and afternoon peak commute periods.").

² Pub. Resources Code, § 21155 ("For purposes of this section, a high-quality transit corridor means a corridor with fixed route bus service with service intervals no longer than 15 minutes during peak commute hours.").

Mr. Clark Neuhoff
Alere Property Group
August 9, 2021
Page 4 of 5

The development of institutional/government and public service uses that support community health, safety, and welfare will be presumed to have a less than significant transportation impact related to CEQA Guidelines Section 15064.3, subdivision (b). These facilities (e.g., police stations, fire stations, community centers, refuse stations) are already part of the community and, as public service uses, their VMT is accounted for in the existing regional average.

Other Land Uses Screening criteria is not met.

CONCLUSION

Based on our review of applicable VMT screening thresholds, the Project was found to meet the low trip generator VMT screening criteria. The project would therefore be assumed to result in a less than significant VMT impact; no additional VMT analysis is required.

If you have any questions, please contact me directly at 949-660-1994.

Respectfully submitted,

URBAN CROSSROADS, INC.



Aric Evatt, PTP
President



Alexander So
Senior Analyst

REFERENCES

1. **Office of Planning and Research.** *Technical Advisory on Evaluating Transportation Impacts in CEQA.* State of California : s.n., December 2018.
2. **City of Long Beach.** *Traffic Impact Analysis Guidelines.* June 2020.
3. **Institute of Transportation Engineers.** *Trip Generation Manual.* 10th Edition. 2017.

ATTACHMENT A:
PROJECT TRIP GENERATION

TABLE 1: TRIP GENERATION RATES

Land Use ¹	Units ²	ITE LU Code	AM Peak Hour			PM Peak Hour			Daily
			In	Out	Total	In	Out	Total	
Actual Vehicles:									
General Light Industrial ³	TSF	110	0.616	0.084	0.700	0.082	0.548	0.630	4.960
Passenger Cars			0.598	0.081	0.679	0.080	0.537	0.617	4.563
Trucks			0.018	0.003	0.021	0.002	0.011	0.013	0.397
Warehousing ³	TSF	150	0.131	0.039	0.170	0.051	0.139	0.190	1.740
Passenger Cars			0.114	0.034	0.148	0.044	0.118	0.162	1.270
Trucks			0.017	0.005	0.022	0.008	0.021	0.029	0.470

¹ Trip Generation Source: Institute of Transportation Engineers (ITE), Trip Generation Manual, Tenth Edition (2017).

² TSF = thousand square feet

³ Vehicle Mix Source: ITE Trip Generation Handbook Supplement (2020), Appendix C.

TABLE 3: PROPOSED PROJECT TRIP GENERATION SUMMARY

Proposed Land Use	Quantity Units ¹	AM Peak Hour			PM Peak Hour			Daily
		In	Out	Total	In	Out	Total	
Actual Vehicles:								
General Light Industrial	61.798 TSF							
Passenger Cars:		37	5	42	5	33	38	282
Truck Trips		1	0	1	0	1	1	26
Warehousing	61.797 TSF							
Passenger Cars:		7	2	9	3	7	10	78
Truck Trips		1	0	1	0	1	1	30
Total Trips (Actual Vehicles)²		46	7	53	8	42	50	416

¹ TSF = thousand square feet

² Total Trips = Passenger Cars + Truck Trips.

**ATTACHMENT B:
LOW VMT AREA MAP**

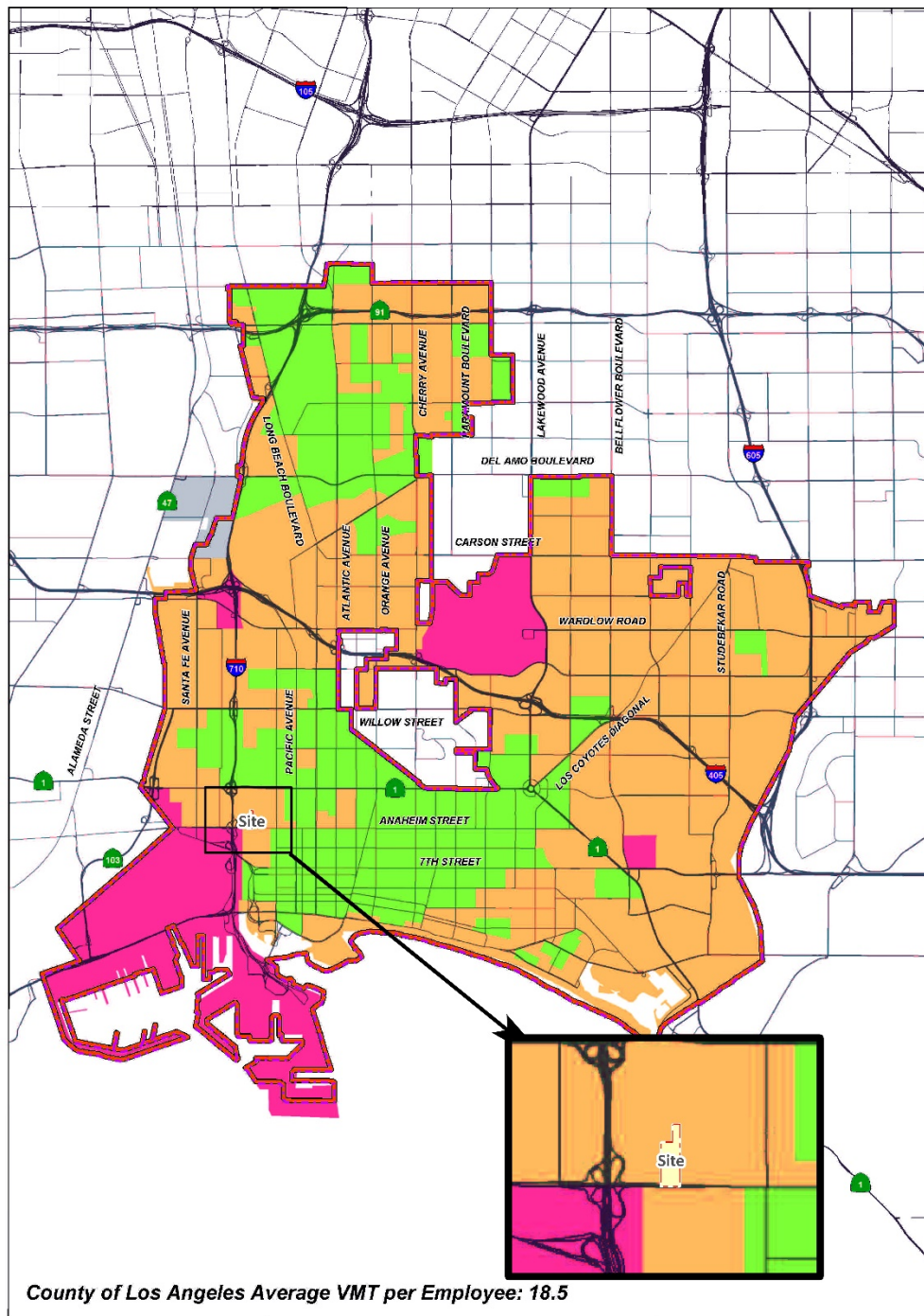
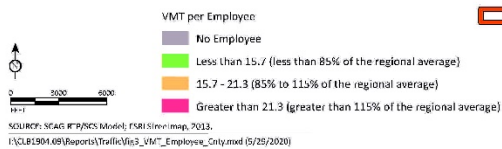


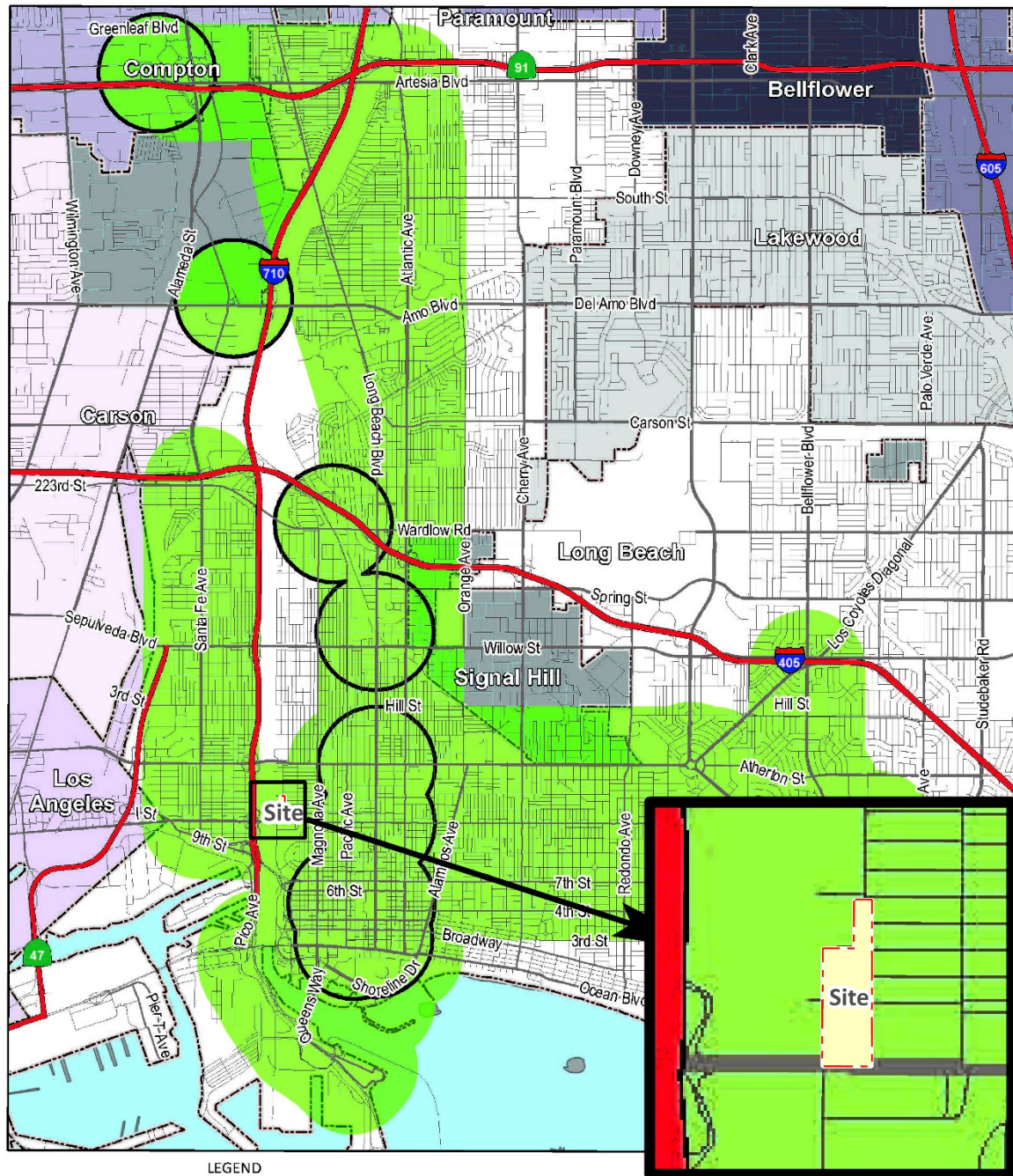
FIGURE 3



Traffic Impact Analysis Guidelines

Existing VMT per Employee Compared to Regional Average

**ATTACHMENT C:
TRANSIT PRIORITY AREA MAP**



LEGEND

- Half mile from High Quality Transit Corridor or Major Transit Stop
- Half mile from Major Transit Stop



0 3000 6000
FEET

SOURCE: Esri (2008); City of Long Beach (3/16/2020)
I:\CLB1904.09\GIS\MXD\LB_TPA.mxd (5/28/2020)

Traffic Impact Analysis Guidelines
Long Beach Transit Priority Areas

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APPENDIX K

ENERGY ANALYSIS

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San Francisco Avenue

ENERGY ANALYSIS

CITY OF LONG BEACH

PREPARED BY:

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Alyssa Tamase
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AUGUST 18, 2021

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LIST OF ABBREVIATED TERMS

%	Percent
(1)	Reference
AQIA	<i>San Francisco Avenue Air Quality Impact Analysis</i>
BACM	Best Available Control Measures
BTU	British Thermal Units
CalEEMod	California Emissions Estimator Model
CAPCOA	California Air Pollution Control Officers Association
CARB	California Air Resources Board
CCR	California Code of Regulations
CEC	California Energy Commission
CEQA	California Environmental Quality Act
<i>CEQA Guidelines</i>	<i>2020 CEQA Statute and Guidelines</i>
City	City of Long Beach
CPEP	Clean Power and Electrification Pathway
CPUC	California Public Utilities Commission
DMV	Department of Motor Vehicles
EA	Energy Analysis
EIA	Energy Information Administration
EPA	Environmental Protection Agency
EMFAC	EMissions FACtor
FERC	Federal Energy Regulatory Commission
GHG	Greenhouse Gas
GWh	Gigawatt Hour
HHDT	Heavy-Heavy Duty Trucks
hp-hr-gal	Horsepower Hours Per Gallon
IEPR	Integrated Energy Policy Report
ISO	Independent Service Operator
ISTEA	Intermodal Surface Transportation Efficiency Act
ITE	Institute of Transportation Engineers
kBTU	Thousand-British Thermal Units
kWh	Kilowatt Hour
LDA	Light Duty Auto
LDT1/LDT2	Light-Duty Trucks
LHDT1/LHDT2	Light-Heavy Duty Trucks
<i>LUE EIR</i>	<i>Final Recirculated Environmental Impact Report General</i>

Plan Land Use and Urban Design Elements

SCH No. 2015051054

MDV	Medium Duty Trucks
MHDT	Medium-Heavy Duty Trucks
MMcfd	Millin Cubic Feet Per Day
mpg	Miles Per Gallon
MPO	Metropolitan Planning Organization
PG&E	Pacific Gas and Electric
Project	San Francisco Avenue
SCAB	South Coast Air Basin
SCAG	Southern California Association of Governments
SCE	Southern California Edison
sf	Square Feet
SoCalGas	Southern California Gas
TEA-21	Transportation Equity Act for the 21 st Century
U.S.	United States
VMT	Vehicle Miles Traveled

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EXECUTIVE SUMMARY

Pursuant to California Environmental Quality Act (CEQA) § 15164 (a) the lead agency shall prepare an addendum to a previously certified Environmental Impact Report (EIR) if some changes or additions are necessary but none of the conditions described in §15162 calling for preparation of a subsequent EIR have occurred. More specifically, §15162 (a)(3)(A) states that no subsequent EIR shall be prepared for the project unless the project will have one or more significant effects not discussed in the previous EIR. Less than significant impacts were previously identified and disclosed in the previously analyzed *Final Recirculated Environmental Impact Report General Plan Land Use and Urban Design Elements SCH No. 2015051054* (referred to herein as *LUE EIR*) (1).

The current energy study prepared for the proposed Project utilizes the same analysis, methodologies and assumptions as that assumed and evaluated in the *LUE EIR*. Based on the revised analysis, there will be no additional significant and unavoidable impacts from those previously identified, and therefore a subsequent EIR is not required.

ES.1 SUMMARY OF FINDINGS

The results of this *San Francisco Avenue Energy Analysis* (EA) is summarized below based on the significance criteria in Section 5 of this report consistent with Appendix G of the 2020 CEQA Statute and Guidelines (*CEQA Guidelines*) (2). Table ES-1 shows the findings of significance for potential energy impacts under CEQA.

TABLE ES-1: SUMMARY OF CEQA SIGNIFICANCE FINDINGS

Analysis	Section	Significance Findings			New Significant Impact?
		LUE EIR	Proposed Project		
			Unmitigated	Mitigated	
Energy Impact #1: Would the Project result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation?	5.1	Less Than Significant	Less Than Significant	n/a	NO
Energy Impact #2: Would the Project conflict with or obstruct a state or local plan for renewable energy or energy efficiency?	5.2	Less Than Significant	Less Than Significant	n/a	NO

ES.2 PROJECT REQUIREMENTS

The Project would be required to comply with regulations imposed by the federal and state agencies that regulate energy use and consumption through various means and programs. Those that are directly and indirectly applicable to the Project and that would assist in the reduction of energy usage include:

- Intermodal Surface Transportation Efficiency Act of 1991 (ISTEA)
- The Transportation Equity Act for the 21st Century (TEA-21)
- Integrated Energy Policy Report (IEPR)
- State of California Energy Plan
- California Code Title 24, Part 6, Energy Efficiency Standards
- AB 1493 Pavley Regulations and Fuel Efficiency Standards
- California's Renewable Portfolio Standard (RPS)
- Clean Energy and Pollution Reduction Act of 2015 (SB 350)

Consistency with the above regulations is discussed in detail in section 5 of this report.

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1 INTRODUCTION

This report presents the results of the energy analysis prepared by Urban Crossroads, Inc., for the proposed San Francisco Avenue (Project). The purpose of this report is to ensure that energy implication is considered by the City of Long Beach (Lead Agency), as the lead agency, and to quantify anticipated energy usage associated with construction and operation of the proposed Project, determine if the usage amounts are efficient, typical, or wasteful for the land use type, and to emphasize avoiding or reducing inefficient, wasteful, and unnecessary consumption of energy.

1.1 SITE LOCATION

The proposed Project is located on the southwest corner of San Francisco Avenue and Anaheim Street in the City of Long Beach, as shown on Exhibit 1-A. Existing land uses near the site include nearby residences located east and southeast of the Project site. The Los Angeles River is located to the west of the Project site.

1.2 PROJECT DESCRIPTION

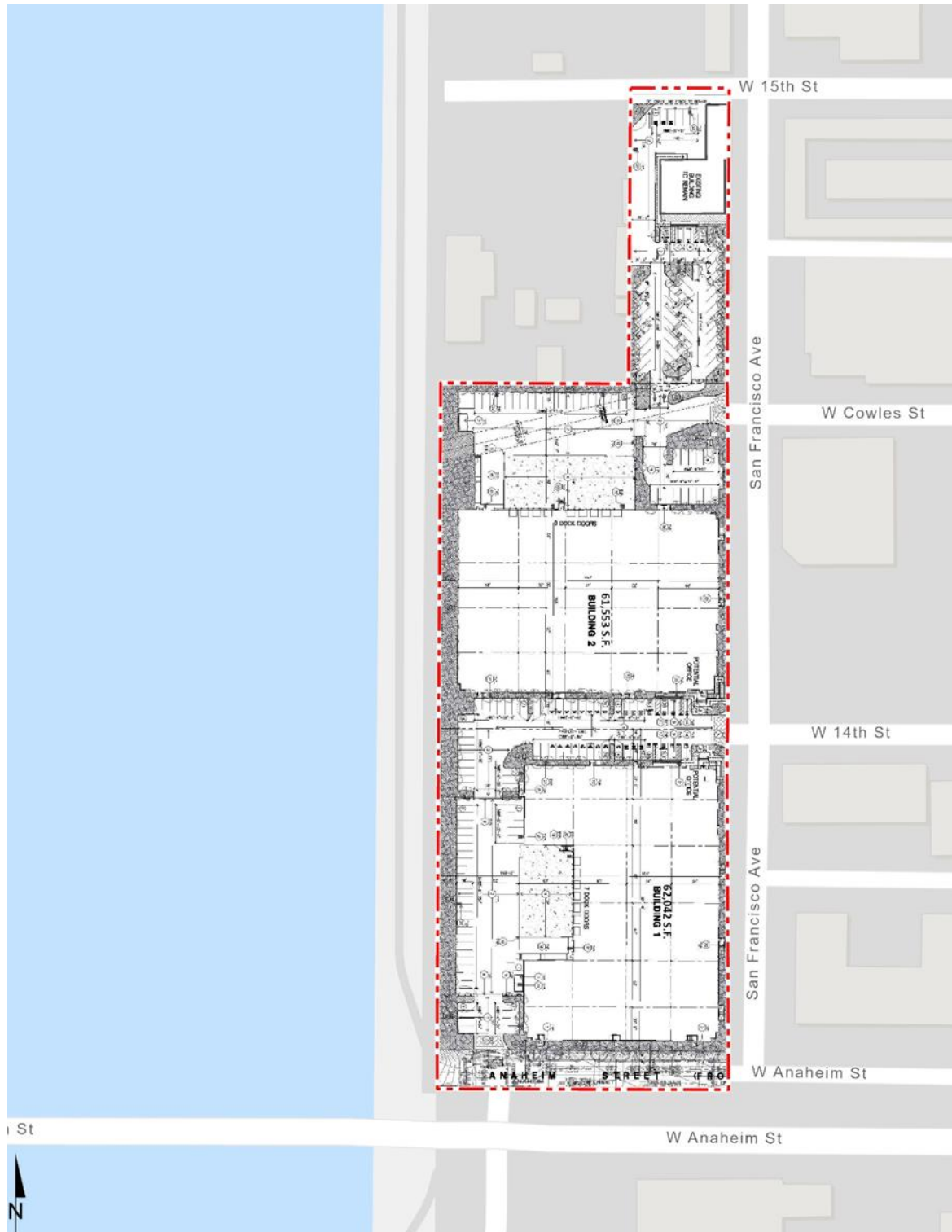
The proposed Project is to consist of two warehouse buildings totaling 123,595 square feet (sf) with Building 1 at 62,042 square feet, Building 2 at 61,553 square feet, and an existing 5,827 square foot building (to remain) as shown on Exhibit 1-B. For the purposes of this assessment, the mix of uses for the Project is assumed to consist of 61,797 square feet of warehousing use (no less than 50% warehousing use anticipated) and 61,798 square feet of general light industrial use (remaining 50% of the total square footage). The Project is anticipated to be open by the year 2022.

This analysis is intended to describe energy usage associated with the expected operational activities at the Project site. This report assumes the Project will operate 24-hours daily for seven days per week.

5



EXHIBIT 1-B: SITE PLAN



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2 EXISTING CONDITIONS

This section provides an overview of the existing energy conditions in the Project region.

2.1 OVERVIEW

The most recent data for California's estimated total energy consumption and natural gas consumption is from 2018 and 2019, released by the United States (U.S.) Energy Information Administration's (EIA) California State Profile and Energy Estimates in 2021 and included (3):

- As of 2018, approximately 7,967 trillion British Thermal Unit (BTU) of energy was consumed
- As of 2018, approximately 681 million barrels of petroleum
- As of 2019, approximately 2,144 billion cubic feet of natural gas
- As of 2019, approximately 1 million short tons of coal

The California Energy Commission's (CEC) Transportation Energy Demand Forecast 2018-2030 was released in order to support the 2017 Integrated Energy Policy Report. The Transportation energy Demand Forecast 2018-2030 lays out graphs and data supporting their projections of California's future transportation energy demand. The projected inputs consider expected variable changes in fuel prices, income, population, and other variables. Predictions regarding fuel demand included:

- Gasoline demand in the transportation sector is expected to decline from approximately 15.8 billion gallons in 2017 to between 12.3 billion and 12.7 billion gallons in 2030 (4)
- Diesel demand in the transportation sector is expected to rise, increasing from approximately 3.7 billion diesel gallons in 2015 to approximately 4.7 billion in 2030 (4)
 - Data from the Department of Energy states that approximately 3.9 billion gallons of diesel fuel were consumed in 2017 (5)

The most recent data provided by the EIA for energy use in California by demand sector is from 2018 and is reported as follows:

- Approximately 39.1% transportation
- Approximately 23.5% industrial
- Approximately 18.3% residential
- Approximately 19.2% commercial (6)

In 2019, total system electric generation for California was 277,704 gigawatt hours (GWh). California's massive electricity in-state generation system generated approximately 200,475 GWh which accounted for approximately 72% of the electricity it uses; the rest was imported from the Pacific Northwest (9%) and the U.S. Southwest (19%) (7). Natural gas is the main source for electricity generation at 47% of the total in-state electric generation system power as shown in Table 2-1.

TABLE 2-1: TOTAL ELECTRICITY SYSTEM POWER (CALIFORNIA 2019)

Fuel Type	California In-State Generation (GWh)	Percent of California In-State Generation	Northwest Imports (GWh)	Southwest Imports (GWh)	Total Imports (GWh)	Percent of Imports	Total California Energy Mix	Total California Power Mix
Coal	248	0.12%	219	7,765	7,985	10.34%	8,233	2.96%
Natural Gas	86,136	42.97%	46	8,859	8,906	11.53%	95,042	34.22%
Oil	36	0.02%	0	0	0	0.00%	36	0.01%
Other (Waste Heat/Petroleum Coke)	411	0.20%	0	11	11	0.01%	422	0.15%
Nuclear	16,163	8.06%	0	8,743	8,743	11.32%	24,906	8.97%
Large Hydro	33,145	16.53%	5,071	1,071	6,142	7.95%	39,287	14.15%
Unspecified	0	0.00%	7,979	13,767	21,746	28.16%	21,746	7.83%
Non-Renewable and Unspecified Totals	136,139	67.91%	13,315	40,218	53,533	69.32%	189,672	68.30%
Biomass	5,851	2.92%	903	33	936	1.21%	6,787	2.44%
Geothermal	10,943	5.46%	99	2,218	2,318	3.00%	13,260	4.77%
Small Hydro	5,349	2.67%	292	4	296	0.38%	5,646	2.03%
Solar	28,513	14.22%	282	5,295	5,577	7.22%	34,090	12.28%
Wind	13,680	6.82%	9,038	5,531	14,569	18.87%	28,249	10.17%
Renewable Totals	64,336	32.09%	10,615	13,081	23,696	30.68%	88,032	31.70%
System Totals	200,475	100.00%	23,930	53,299	77,229	100.00%	277,704	100.00%

Source: California Energy Commission's 2019 Total System Electric Generation

An updated summary of, and context for energy consumption and energy demands within the State is presented in “U.S. Energy Information Administration, California State Profile and Energy Estimates, Quick Facts” excerpted below (8):

- California was the seventh-largest producer of crude oil among the 50 states in 2019, and, as of January 2020, it ranked third in oil refining capacity. Foreign suppliers, led by Saudi Arabia, Iraq, Ecuador, and Colombia, provided more than half of the crude oil refined in California in 2019.
- California is the largest consumer of both jet fuel and motor gasoline among the 50 states and accounted for 17% of the nation’s jet fuel consumption and 11% of motor gasoline consumption in 2019. The state is the second-largest consumer of all petroleum products combined, accounting for 10% of the U.S. total. In 2018, California’s energy consumption was the second highest among the states, but its per capita energy consumption was the fourth-lowest due in part to its mild climate and its energy efficiency programs.
- In 2019, California was the nation’s top producer of electricity from solar, geothermal, and biomass energy and the state was second in the nation in conventional hydroelectric power generation.
- In 2019, California was the fourth largest electricity producer in the nation, but the state was also the nation’s largest importer of electricity and received about 28% of its electricity supply from generating facilities outside of California, including imports from Mexico.

As indicated above, California is one of the nation’s leading energy-producing states, and California’s per capita energy use is among the nation’s most efficient. Given the nature of the Project, the remainder of this discussion will focus on the three sources of energy that are most relevant to the project—namely, electricity, natural gas, and transportation fuel for vehicle trips associated with the uses planned for the Project.

2.2 ELECTRICITY

The usage associated with electricity use were calculated using the California Emissions Estimator Model (CalEEMod) Version 2016.3.2. The Southern California region’s electricity reliability has been of concern for the past several years due to the planned retirement of aging facilities that depend upon once-through cooling technologies, as well as the June 2013 retirement of the San Onofre Nuclear Generating Station (San Onofre). While the once-through cooling phase-out has been ongoing since the May 2010 adoption of the State Water Resources Control Board’s once-through cooling policy, the retirement of San Onofre complicated the situation. California ISO studies revealed the extent to which the South California Air Basin (SCAB) and the San Diego Air Basin (SDAB) region were vulnerable to low-voltage and post-transient voltage instability concerns. A preliminary plan to address these issues was detailed in the 2013 Integrative Energy Policy Report (IEPR) after a collaborative process with other energy agencies, utilities, and air districts (9). Similarly, the 2020 IEPR identifies broad strategies that are aimed at maintaining electricity system reliability.

Electricity is currently provided to the Project by Southern California Edison (SCE). SCE provides electric power to more than 15 million persons in 15 counties and in 180 incorporated cities, within a service area encompassing approximately 50,000 square miles. Based on SCE's 2018 Power Content Label Mix, SCE derives electricity from varied energy resources including: fossil fuels, hydroelectric generators, nuclear power plants, geothermal power plants, solar power generation, and wind farms. SCE also purchases from independent power producers and utilities, including out-of-state suppliers (10).

California's electricity industry is an organization of traditional utilities, private generating companies, and state agencies, each with a variety of roles and responsibilities to ensure that electrical power is provided to consumers. The California Independent Service Operator (ISO) is a nonprofit public benefit corporation and is the impartial operator of the State's wholesale power grid and is charged with maintaining grid reliability, and to direct uninterrupted electrical energy supplies to California's homes and communities. While utilities still own transmission assets, the ISO routes electrical power along these assets, maximizing the use of the transmission system and its power generation resources. The ISO matches buyers and sellers of electricity to ensure that enough power is available to meet demand. To these ends, every five minutes the ISO forecasts electrical demands, accounts for operating reserves, and assigns the lowest cost power plant unit to meet demands while ensuring adequate system transmission capacities and capabilities (11).

Part of the ISO's charge is to plan and coordinate grid enhancements to ensure that electrical power is provided to California consumers. To this end, utilities file annual transmission expansion/modification plans to accommodate the State's growing electrical needs. The ISO reviews and either approves or denies the proposed additions. In addition, and perhaps most importantly, the ISO works with other areas in the western U.S. electrical grid to ensure that adequate power supplies are available to the State. In this manner, continuing reliable and affordable electrical power is assured to existing and new consumers throughout the State.

Tables 2-2 identifies SCE's specific proportional shares of electricity sources in 2019. As indicated in Table 2-2, the 2019 SCE Power Mix has renewable energy at 35.1% of the overall energy resources. Geothermal resources are at 5.9%, wind power is at 11.5%, large hydroelectric sources are at 7.9%, solar energy is at 16.0%, and coal is at 0% (12).

TABLE 2-2: SCE 2019 POWER CONTENT MIX

Energy Resources	2019 SCE Power Mix
Eligible Renewable	35.1%
Biomass & Waste	0.6%
Geothermal	5.9%
Eligible Hydroelectric	1.0%
Solar	16.0%
Wind	11.5%
Coal	0.0%
Large Hydroelectric	7.9%
Natural Gas	16.1%
Nuclear	8.2%
Other	0.1%
Unspecified Sources of power*	32.6%
Total	100%

* "Unspecified sources of power" means electricity from transactions that are not traceable to specific generation sources

2.3 NATURAL GAS

The following summary of natural gas customers and volumes, supplies, delivery of supplies, storage, service options, and operations is excerpted from information provided by the California Public Utilities Commission (CPUC).

"The CPUC regulates natural gas utility service for approximately 10.8 million customers that receive natural gas from Pacific Gas and Electric (PG&E), Southern California Gas (SoCalGas), San Diego Gas & Electric (SDG&E), Southwest Gas, and several smaller natural gas utilities. The CPUC also regulates independent storage operators: Lodi Gas Storage, Wild Goose Storage, Central Valley Storage and Gill Ranch Storage.

California's natural gas utilities provide service to over 11 million gas meters. SoCalGas and PG&E provide service to about 5.9 million and 4.3 million customers, respectively, while SDG&E provides service to over 800, 000 customers. In 2018, California gas utilities forecasted that they would deliver about 4740 million cubic feet per day (MMcfd) of gas to their customers, on average, under normal weather conditions.

The overwhelming majority of natural gas utility customers in California are residential and small commercial customers, referred to as "core" customers. Larger volume gas customers, like electric generators and industrial customers, are called "noncore" customers. Although very small in number relative to core customers, noncore customers consume about 65% of the natural gas delivered by the state's natural gas utilities, while core customers consume about 35%.

A significant amount of gas (about 19%, or 1131 MMcf, of the total forecasted California consumption in 2018) is also directly delivered to some California large volume consumers, without being transported over the regulated utility pipeline system. Those customers, referred to as "bypass" customers, take service directly from interstate pipelines or directly from California producers.

SDG&E and Southwest Gas' southern division are wholesale customers of SoCalGas, i.e., they receive deliveries of gas from SoCalGas and in turn deliver that gas to their own customers. (Southwest Gas also provides natural gas distribution service in the Lake Tahoe area.) Similarly, West Coast Gas, a small gas utility, is a wholesale customer of PG&E. Some other wholesale customers are municipalities like the cities of Palo Alto, Long Beach, and Vernon, which are not regulated by the CPUC.

Natural gas from out-of-state production basins is delivered into California via the interstate natural gas pipeline system. The major interstate pipelines that deliver out-of-state natural gas to California gas utilities are Gas Transmission Northwest Pipeline, Kern River Pipeline, Transwestern Pipeline, El Paso Pipeline, Ruby Pipeline, Mojave Pipeline, and Tuscarora. Another pipeline, the North Baja - Baja Norte Pipeline takes gas off the El Paso Pipeline at the California/Arizona border, and delivers that gas through California into Mexico. While the Federal Energy Regulatory Commission (FERC) regulates the transportation of natural gas on the interstate pipelines, and authorizes rates for that service, the California Public Utilities Commission may participate in FERC regulatory proceedings to represent the interests of California natural gas consumers.

The gas transported to California gas utilities via the interstate pipelines, as well as some of the California-produced gas, is delivered into the PG&E and SoCalGas intrastate natural gas transmission pipelines systems (commonly referred to as California's "backbone" pipeline system). Natural gas on the utilities' backbone pipeline systems is then delivered to the local transmission and distribution pipeline systems, or to natural gas storage fields. Some large volume noncore customers take natural gas delivery directly off the high-pressure backbone and local transmission pipeline systems, while core customers and other noncore customers take delivery off the utilities' distribution pipeline systems. The state's natural gas utilities operate over 100,000 miles of transmission and distribution pipelines, and thousands more miles of service lines.

Bypass customers take most of their deliveries directly off the Kern/Mojave pipeline system, but they also take a significant amount of gas from California production.

PG&E and SoCalGas own and operate several natural gas storage fields that are located within their service territories in northern and southern California, respectively. These storage fields, and four independently owned storage utilities - Lodi Gas Storage, Wild Goose Storage, Central Valley Storage, and Gill Ranch Storage - help meet peak seasonal and daily natural gas demand and allow California natural gas customers to secure natural gas supplies more efficiently. PG&E is a 25% owner of the Gill Ranch Storage field. These storage fields provide a significant amount of infrastructure capacity to help meet

California's natural gas requirements, and without these storage fields, California would need much more pipeline capacity in order to meet peak gas requirements .

Prior to the late 1980s, California regulated utilities provided virtually all-natural gas services to all their customers. Since then, the Commission has gradually restructured the California gas industry in order to give customers more options while assuring regulatory protections for those customers that wish to, or are required to, continue receiving utility-provided services.

The option to purchase natural gas from independent suppliers is one of the results of this restructuring process. Although the regulated utilities procure natural gas supplies for most core customers, core customers have the option to purchase natural gas from independent natural gas marketers, called "core transport agents" (CTA). Contact information for core transport agents can be found on the utilities' web sites. Noncore customers, on the other hand, make natural gas supply arrangements directly with producers or with marketers.

Another option resulting from the restructuring process occurred in 1993, when the Commission removed the utilities' storage service responsibility for noncore customers, along with the cost of this service from noncore customers' transportation rates. The Commission also encouraged the development of independent storage fields, and in subsequent years, all the independent storage fields in California were established. Noncore customers and marketers may now take storage service from the utility or from an independent storage provider (if available), and pay for that service, or may opt to take no storage service at all. For core customers, the Commission assures that the utility has adequate storage capacity set aside to meet core requirements, and core customers pay for that service.

In a 1997 decision, the Commission adopted PG&E's "Gas Accord", which unbundled PG&E's backbone transmission costs from noncore transportation rates. This decision gave customers and marketers the opportunity to obtain pipeline capacity rights on PG&E's backbone transmission pipeline system, if desired, and pay for that service at rates authorized by the Commission. The Gas Accord also required PG&E to set aside a certain amount of backbone transmission capacity in order to deliver gas to its core customers. Subsequent Commission decisions modified and extended the initial terms of the Gas Accord. The "Gas Accord" framework is still in place today for PG&E's backbone and storage rates and services and is now simply referred to as PG&E Gas Transmission and Storage (GT&S).

In a 2006 decision, the Commission adopted a similar gas transmission framework for Southern California, called the "firm access rights" system. SoCalGas and SDG&E implemented the firm access rights (FAR) system in 2008, and it is now referred to as the backbone transmission system (BTS) framework. As under the PG&E backbone transmission system, SoCalGas backbone transmission costs are unbundled from noncore transportation rates. Noncore customers and marketers may obtain, and pay for, firm backbone transmission capacity at various receipt points on the SoCalGas system. A

certain amount of backbone transmission capacity is obtained for core customers to assure meeting their requirements.

Many if not most noncore customers now use a marketer to provide for several of the services formerly provided by the utility. That is, a noncore customer may simply arrange for a marketer to procure its supplies, and obtain any needed storage and backbone transmission capacity, in order to assure that it will receive its needed deliveries of natural gas supplies. Core customers still mainly rely on the utilities for procurement service, but they have the option to take procurement service from a CTA. Backbone transmission and storage capacity is either set aside or obtained for core customers in amounts to assure very high levels of service.

In order properly operate their natural gas transmission pipeline and storage systems, PG&E and SoCalGas must balance the amount of gas received into the pipeline system and delivered to customers or to storage fields. Some of these utilities' storage capacity is dedicated to this service, and under most circumstances, customers do not need to precisely match their deliveries with their consumption. However, when too much or too little gas is expected to be delivered into the utilities' systems, relative to the amount being consumed, the utilities require customers to more precisely match up their deliveries with their consumption. And, if customers do not meet certain delivery requirements, they could face financial penalties. The utilities do not profit from these financial penalties - the amounts are then returned to customers as a whole. If the utilities find that they are unable to deliver all the gas that is expected to be consumed, they may even call for a curtailment of some gas deliveries. These curtailments are typically required for just the largest, noncore customers. It has been many years since there has been a significant curtailment of core customers in California." (13)

As indicated in the preceding discussions, natural gas is available from a variety of in-state and out-of-state sources and is provided throughout the state in response to market supply and demand. Complementing available natural gas resources, biogas may soon be available via existing delivery systems, thereby increasing the availability and reliability of resources in total. The CPUC oversees utility purchases and transmission of natural gas to ensure reliable and affordable natural gas deliveries to existing and new consumers throughout the State.

2.4 TRANSPORTATION ENERGY RESOURCES

The Project would generate additional vehicle trips with resulting consumption of energy resources, predominantly gasoline and diesel fuel. In February 2021, the Department of Motor Vehicles (DMV) identified 35.8 million registered vehicles in California (14), and those vehicles consume an estimated 17.5 billion gallons of fuel each year¹. Gasoline (and other vehicle fuels) are commercially provided commodities and would be available to the Project patrons and employees via commercial outlets.

¹ Fuel consumptions estimated utilizing information from EMFAC2017.

California's on-road transportation system includes 394,383 land miles, more than 25.5 million passenger vehicles and light trucks, and almost 8.7 million medium- and heavy-duty vehicles (14). While gasoline consumption has been declining since 2008 it is still by far the dominant fuel. Petroleum comprises about 88% of all transportation energy use, excluding fuel consumed for aviation and most marine vessels (15). In 2020, about 123.49 billion gallons (or about 2.94 billion barrels¹) of finished motor gasoline were consumed in the U.S., an average of about 337 million gallons per day (or about 8.03 million barrels per day). This was the lowest level of annual consumption since 1997 and about 16% less than the record level of consumption of nearly 392 million gallons per day in 2018 (16). In 2020, Californians also used 2,154,030 million cubic feet of natural gas as a transportation fuel (17).

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3 REGULATORY BACKGROUND

Federal and state agencies regulate energy use and consumption through various means and programs. On the federal level, the U.S. Department of Transportation, the U.S. Department of Energy, and the U.S. Environmental Protection Agency (EPA) are three federal agencies with substantial influence over energy policies and programs. On the state level, the CPUC and the CEC are two agencies with authority over different aspects of energy. Relevant federal and state energy-related laws and plans are summarized below.

3.1 FEDERAL REGULATIONS

3.1.1 INTERMODAL SURFACE TRANSPORTATION EFFICIENCY ACT OF 1991 (ISTEA)

The ISTEA promoted the development of inter-modal transportation systems to maximize mobility as well as address national and local interests in air quality and energy. ISTEA contained factors that Metropolitan Planning Organizations (MPOs) were to address in developing transportation plans and programs, including some energy-related factors. To meet the new ISTEA requirements, MPOs adopted explicit policies defining the social, economic, energy, and environmental values guiding transportation decisions.

3.1.2 THE TRANSPORTATION EQUITY ACT FOR THE 21ST CENTURY (TEA-21)

The TEA-21 was signed into law in 1998 and builds upon the initiatives established in the ISTEA legislation, discussed above. TEA-21 authorizes highway, highway safety, transit, and other efficient surface transportation programs. TEA-21 continues the program structure established for highways and transit under ISTEA, such as flexibility in the use of funds, emphasis on measures to improve the environment, and focus on a strong planning process as the foundation of good transportation decisions. TEA-21 also provides for investment in research and its application to maximize the performance of the transportation system through, for example, deployment of Intelligent Transportation Systems, to help improve operations and management of transportation systems and vehicle safety.

3.2 CALIFORNIA REGULATIONS

3.2.1 INTEGRATED ENERGY POLICY REPORT (IEPR)

Senate Bill 1389 (Bowen, Chapter 568, Statutes of 2002) requires the CEC to prepare a biennial integrated energy policy report that assesses major energy trends and issues facing the state's electricity, natural gas, and transportation fuel sectors and provides policy recommendations to conserve resources; protect the environment; ensure reliable, secure, and diverse energy supplies; enhance the state's economy; and protect public health and safety (Public Resources Code § 25301[a]). The CEC prepares these assessments and associated policy recommendations every two years, with updates in alternate years, as part of the Integrated Energy Policy Report.

The 2020 IEPR was adopted March 23, 2020, and continues to work towards improving electricity, natural gas, and transportation fuel energy use in California. The 2020 IEPR identifies actions the

state and others can take to ensure a clean, affordable, and reliable energy system. California's innovative energy policies strengthen energy resiliency, reduce greenhouse gas (GHG) emissions that cause climate change, improve air quality, and contribute to a more equitable future (18).

3.2.2 STATE OF CALIFORNIA ENERGY PLAN

The CEC is responsible for preparing the State Energy Plan, which identifies emerging trends related to energy supply, demand, conservation, public health and safety, and the maintenance of a healthy economy. The Plan calls for the state to assist in the transformation of the transportation system to improve air quality, reduce congestion, and increase the efficient use of fuel supplies with the least environmental and energy costs. To further this policy, the plan identifies several strategies, including assistance to public agencies and fleet operators and encouragement of urban designs that reduce vehicle miles traveled (VMT) and accommodate pedestrian and bicycle access.

3.2.3 CALIFORNIA CODE TITLE 24, PART 6, ENERGY EFFICIENCY STANDARDS

California Code of Regulations (CCR) Title 24 Part 6: California's Energy Efficiency Standards for Residential and Nonresidential Buildings, was first adopted in 1978 in response to a legislative mandate to reduce California's energy consumption. The standards are updated periodically to allow consideration and possible incorporation of new energy efficient technologies and methods. Energy efficient buildings require less electricity; therefore, increased energy efficiency reduces fossil fuel consumption and decreases greenhouse gas (GHG) emissions. The 2019 version of Title 24 was adopted by the CEC and became effective on January 1, 2020. The 2019 Title are applicable to building permit applications submitted on or after January 1, 2020. The 2019 Title 24 standards require solar PV systems for new homes, establish requirements for newly constructed healthcare facilities, encourage demand responsive technologies for residential buildings, and update indoor and outdoor lighting standards for nonresidential buildings. The CEC anticipates that nonresidential buildings will use approximately 30% less energy due to lighting upgrades compared to the prior code (19).

3.2.4 AB 1493 PAVLEY REGULATIONS AND FUEL EFFICIENCY STANDARDS

California AB 1493, enacted on July 22, 2002, required CARB to develop and adopt regulations that reduce GHGs emitted by passenger vehicles and light duty trucks. Under this legislation, CARB adopted regulations to reduce GHG emissions from non-commercial passenger vehicles (cars and light-duty trucks). Although aimed at reducing GHG emissions, specifically, a co-benefit of the Pavley standards is an improvement in fuel efficiency and consequently a reduction in fuel consumption.

3.2.5 CALIFORNIA'S RENEWABLE PORTFOLIO STANDARD (RPS)

First established in 2002 under Senate Bill (SB) 1078, California's Renewable Portfolio Standards (RPS) requires retail sellers of electric services to increase procurement from eligible renewable resources to 33% of total retail sales by 2020 (20).

3.2.6 CLEAN ENERGY AND POLLUTION REDUCTION ACT OF 2015 (SB 350)

In October 2015, the legislature approved, and the Governor signed SB 350, which reaffirms California's commitment to reducing its GHG emissions and addressing climate change. Key provisions include an increase in the renewables portfolio standard (RPS), higher energy efficiency requirements for buildings, initial strategies towards a regional electricity grid, and improved infrastructure for electric vehicle charging stations. Specifically, SB 350 requires the following to reduce statewide GHG emissions:

- Increase the amount of electricity procured from renewable energy sources from 33% to 50% by 2030, with interim targets of 40% by 2024, and 25% by 2027.
- Double the energy efficiency in existing buildings by 2030. This target will be achieved through the California Public Utility Commission (CPUC), the California Energy Commission (CEC), and local publicly owned utilities.
- Reorganize the Independent System Operator (ISO) to develop more regional electrify transmission markets and to improve accessibility in these markets, which will facilitate the growth of renewable energy markets in the western U.S. (California Leginfo 2015).

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4 PROJECT ENERGY DEMANDS AND ENERGY EFFICIENCY MEASURES

4.1 EVALUATION CRITERIA

In compliance with Appendix G of the *State CEQA Guidelines* (21), this report analyzes the project's anticipated energy use during construction and operations to determine if the Project would:

- Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation; or
- Conflict with or obstruct a state or local plan for renewable energy or energy efficiency.

4.2 METHODOLOGY

Information from the CalEEMod Version 2016.3.2 outputs for the *San Francisco Avenue Air Quality Impact Analysis* (AQIA) (22) was utilized in this analysis, detailing Project related construction equipment, transportation energy demands, and facility energy demands.

4.2.1 CAL EEMOD

On October 17, 2017, the SCAQMD, in conjunction with the California Air Pollution Control Officers Association (CAPCOA) and other California air districts, released the latest version of the CalEEMod Version 2016.3.2. The purpose of this model is to calculate construction-source and operational-source criteria pollutants and GHG emissions from direct and indirect sources as well as energy usage. (23). Accordingly, the latest version of CalEEMod has been used to determine the proposed Project's anticipated transportation and facility energy demands. Output from the annual construction and operational model runs are provided in Appendices 4.1 through 4.2.

4.2.2 EMISSION FACTORS MODEL

On August 19, 2019, the EPA approved the 2017 version of the EMISSIONS FACTOR model (EMFAC) web database for use in State Implementation Plan and transportation conformity analyses. EMFAC2017 is a mathematical model that was developed to calculate emission rates, fuel consumption, VMT from motor vehicles that operate on highways, freeways, and local roads in California and is commonly used by the CARB to project changes in future emissions from on-road mobile sources (24). This energy study utilizes the different fuel types for each vehicle class from the annual EMFAC2017 emission inventory in order to derive the average vehicle fuel economy which is then used to determine the estimated annual fuel consumption associated with vehicle usage during Project construction and operational activities. For purposes of analysis, the 2021 and 2022 analysis years were utilized to determine the average vehicle fuel economy used throughout the duration of the Project.

4.3 CONSTRUCTION ENERGY DEMANDS

The focus within this section is the energy implications of the construction process, specifically the power cost from on-site electricity consumption during construction of the proposed Project.

4.3.1 CONSTRUCTION POWER COST

The total Project construction power costs is the summation of the products of the area (sf) by the construction duration and the typical power cost.

CONSTRUCTION DURATION

For purposes of analysis, construction of Project is expected to commence in October 2021 and be completed in November 2022 (22). The construction schedule utilized in the analysis, shown in Table 4-1, represents a “worst-case” analysis scenario. The duration of construction activity and associated equipment represents a reasonable approximation of the expected construction fleet as required per *CEQA Guidelines* (25).

TABLE 4-1: CONSTRUCTION DURATION

Phase Name	Start Date	End Date	Days
Demolition/Crushing	10/04/2021	10/29/2021	20
Site Preparation	10/30/2021	11/12/2021	10
Grading	11/13/2021	12/10/2021	20
Building Construction	12/11/2021	10/28/2022	230
Paving	10/29/2022	11/25/2022	20
Architectural Coating	10/01/2022	11/25/2022	40

PROJECT CONSTRUCTION POWER COST

The *2021 National Construction Estimator* identifies a typical power cost per 1,000 sf of construction per month of \$2.37, which was used to calculate the Project’s total construction power cost (26). As shown on Table 4-2, the total power cost of the on-site electricity usage during the construction of the Project is estimated to be approximately \$11,126.06.

4.3.2 CONSTRUCTION ELECTRICITY USAGE

The total Project construction electricity usage is the summation of the products of the power cost (estimated in Table 4-2) by the utility provider cost per kilowatt hour (kWh) of electricity.

TABLE 4-2: CONSTRUCTION POWER COST

Land Use	Power Cost (per 1,000 SF)	Size (1,000 SF)	Construction Duration (months)	Project Construction Power Cost
General Light Industrial	\$2.37	61.798	13	\$1,904.00
Warehouse	\$2.37	61.797	13	\$1,903.97
Parking	\$2.37	150.400	13	\$4,633.82
Landscape	\$2.37	35.284	13	\$1,087.09
Other Asphalt Surfaces	\$2.37	51.840	13	\$1,597.19
CONSTRUCTION POWER COST				\$11,126.06

PROJECT CONSTRUCTION ELECTRICITY USAGE

The SCE's general service rate schedule were used to determine the Project's electrical usage. As of June 1, 2021, SCE's general service rate is \$0.11 per kilowatt hours (kWh) of electricity for industrial services (27). As shown on Table 4-3, the total electricity usage from on-site Project construction related activities is estimated to be approximately 99,696 kWh.

TABLE 4-3: CONSTRUCTION ELECTRICITY USAGE

Land Use	Cost per kWh	Project Construction Electricity Usage (kWh)
General Light Industrial	\$0.11	17,061
Warehouse	\$0.11	17,061
Parking	\$0.11	41,522
Landscape	\$0.11	9,741
Other Asphalt Surfaces	\$0.11	14,312
CONSTRUCTION ELECTRICITY USAGE		99,696

4.3.3 CONSTRUCTION EQUIPMENT FUEL ESTIMATES

Fuel consumed by construction equipment would be the primary energy resource expended over the course of Project construction.

CONSTRUCTION EQUIPMENT

A summary of construction equipment by phase is provided at Table 4-4. Consistent with industry standards and typical construction practices, each piece of equipment listed in Table 4-4 will operate up to a total of eight (8) hours per day, or more than two-thirds of the period during which construction activities are allowed pursuant to the City of Long Beach Municipal Code.

TABLE 4-4: CONSTRUCTION EQUIPMENT ASSUMPTIONS

Phase Name	Equipment	Amount	Hours Per Day
Demolition	Concrete/Industrial Saws	1	8
	Crushing/Proc. Equipment	1	8
	Excavators	3	8
	Rubber Tired Dozers	2	8
Site Preparation	Crawler Tractors	4	8
	Rubber Tired Dozers	3	8
Grading	Crawler Tractors	3	8
	Excavators	1	8
	Graders	1	8
	Rubber Tired Dozers	1	8
Building Construction	Cranes	1	8
	Crawler Tractors	3	8
	Forklifts	3	8
	Generator Sets	1	8
	Welders	1	8
Paving	Pavers	2	8
	Paving Equipment	2	8
	Rollers	2	8
Architectural Coating	Air Compressors	1	8

PROJECT CONSTRUCTION EQUIPMENT FUEL CONSUMPTION

Project construction activity timeline estimates, construction equipment schedules, equipment power ratings, load factors, and associated fuel consumption estimates are presented in Table 4-5. The aggregate fuel consumption rate for all equipment is estimated at 18.5 horsepower hour per gallon (hp-hr-gal.), obtained from CARB 2018 Emissions Factors Tables and cited fuel consumption rate factors presented in Table D-24 of the Moyer guidelines (28). For the purposes of this analysis, the calculations are based on all construction equipment being diesel-powered which is consistent with industry standards. Diesel fuel would be supplied by existing commercial fuel providers serving the Project area and region². As previously presented in Table 4-5, Project construction activities would consume an estimated 61,967 gallons of diesel fuel.

² Based on Appendix A of the CalEEMod User's Guide, Construction consists of several types of off-road equipment. Since the majority of the off-road construction equipment used for construction projects are diesel fueled, CalEEMod assumes all of the equipment operates on diesel fuel.

TABLE 4-5: CONSTRUCTION EQUIPMENT FUEL CONSUMPTION ESTIMATES

Phase Name	Duration (Days)	Equipment	HP Rating	Quantity	Usage Hours	Load Factor	HP-hrs/day	Total Fuel Consumption
Demolition	20	Concrete/Industrial Saws	81	1	8	0.73	473	511
		Crushing/Proc. Equipment	85	1	8	0.78	530	573
		Excavators	158	3	8	0.38	1,441	1,558
		Rubber Tired Dozers	247	2	8	0.40	1,581	1,709
Site Preparation	10	Crawler Tractors	212	4	8	0.43	2,917	1,577
		Rubber Tired Dozers	247	3	8	0.40	2,371	1,282
Grading	20	Crawler Tractors	212	3	8	0.43	2,188	2,365
		Excavators	158	1	8	0.38	480	519
		Graders	187	1	8	0.41	613	663
		Rubber Tired Dozers	247	1	8	0.40	790	854
Building Construction	230	Cranes	231	1	8	0.29	536	6,663
		Crawler Tractors	212	3	8	0.43	2,188	27,200
		Forklifts	89	3	8	0.20	427	5,311
		Generator Sets	84	1	8	0.74	497	6,182
		Welders	46	1	8	0.45	166	2,059
Paving	20	Pavers	130	2	8	0.42	874	944
		Paving Equipment	132	2	8	0.36	760	822
		Rollers	80	2	8	0.38	486	526
Architectural Coating	40	Air Compressors	78	1	8	0.48	300	648
CONSTRUCTION FUEL DEMAND (GALLONS DIESEL FUEL)								61,967

Project construction would represent a “single-event” diesel fuel demand and would not require on-going or permanent commitment of diesel fuel resources for this purpose.

4.3.4 CONSTRUCTION TRIPS AND VMT

Construction generates on-road vehicle emissions from vehicle usage for workers, hauling, and vendors commuting to and from the site. The number of workers, hauling, and vendor trips are presented below in Table 4-6.

TABLE 4-6: CONSTRUCTION TRIPS AND VMT

Phase Name	Worker Trips Per Day	Vendor Trips Per Day	Total Hauling Trips
Demolition/Crushing	18	4	18
Site Preparation	18	2	0
Grading	15	5	8
Building Construction	152	48	0
Paving	15	0	0
Architectural Coating	30	0	0

4.3.5 CONSTRUCTION WORKER FUEL ESTIMATES

With respect to estimated VMT for the Project, the construction worker trips would generate an estimated 1,030,323 VMT during the 13 months of construction (22). Based on CalEEMod methodology, it is assumed that 50% of all vendor trips are from light-duty-auto vehicles (LDA), 25% are from light-duty-trucks with a gross vehicle weight rating (GVWR) of less than 6,000 lbs. and equivalent test weight (ETW) of less than or equal to 3,750 lbs (LDT1), and 25% are from light-duty-trucks with a GVWR of less than 6,000 lbs. and ETW between 3,751 lbs. and 5,750 lbs (LDT2). Data regarding Project related construction worker trips were based on CalEEMod defaults utilized within the AQIA. Vehicle fuel efficiencies for LDA, LDT1, and LDT2 were estimated using information generated within the 2017 version of the EMFAC developed by CARB. EMFAC2017 is a mathematical model that was developed to calculate emission rates, fuel consumption, and VMT from motor vehicles that operate on highways, freeways, and local roads in California and is commonly used by the CARB to project changes in future emissions from on-road mobile sources (24). EMFAC2017 was run for the LDA, LDT1, and LDT2 vehicle class within the California sub-area for the 2021 through 2022 calendar years. Data from EMFAC2017 is shown in Appendix 4.4.

Table 4-7 provides an estimated annual fuel consumption resulting from LDAs related to the Project construction worker trips. Based on Table 4-7, it is estimated that 16,846 gallons of fuel will be consumed related to construction worker trips during full construction of the Project.

Table 4-8 provides an estimated annual fuel consumption resulting from LDT1s related to the Project construction worker trips. Based on Table 4-8, it is estimated that 9,931 gallons of fuel will be consumed related to construction worker trips during full construction of the Project.

Table 4-9 provides an estimated annual fuel consumption resulting from LDT2s related to the Project construction worker trips. Based on Table 4-9, it is estimated that 10,686 gallons of fuel will be consumed related to construction worker trips during full construction of the Project.

TABLE 4-7: CONSTRUCTION WORKER FUEL CONSUMPTION ESTIMATES – LDA

Phase Name	Duration (Days)	Worker Trips/Day	Trip Length (miles)	VMT	Average Vehicle Fuel Economy (mpg)	Estimated Fuel Consumption (gallons)
2021						
Demolition/Crushing	20	9	14.7	2,646	30.11	88
Site Preparation	10	9	14.7	1,323	30.11	44
Grading	20	8	14.7	2,352	30.11	78
Building Construction	230	76	14.7	256,956	30.11	8,533
2022						
Building Construction	215	76	14.7	240,198	31.02	7,743
Paving	20	8	14.7	2,352	31.02	76
Architectural Coating	40	15	14.7	8,820	31.02	284
TOTAL CONSTRUCTION WORKER (LDA) FUEL CONSUMPTION						16,846

TABLE 4-8: CONSTRUCTION WORKER FUEL CONSUMPTION ESTIMATES – LDT1

Phase Name	Duration (Days)	Worker Trips/Day	Trip Length (miles)	VMT	Average Vehicle Fuel Economy (mpg)	Estimated Fuel Consumption (gallons)
2021						
Demolition/Crushing	20	5	14.7	1,470	25.62	57
Site Preparation	10	5	14.7	735	25.62	29
Grading	20	4	14.7	1,176	25.62	46
Building Construction	230	38	14.7	128,478	25.62	5,015
2022						
Building Construction	215	38	14.7	120,099	26.34	4,560
Paving	20	4	14.7	1,176	26.34	45
Architectural Coating	40	8	14.7	4,704	26.34	179
TOTAL CONSTRUCTION WORKER (LDT1) FUEL CONSUMPTION						9,931

TABLE 4-9: CONSTRUCTION WORKER FUEL CONSUMPTION ESTIMATES – LDT2

Phase Name	Duration (Days)	Worker Trips/Day	Trip Length (miles)	VMT	Average Vehicle Fuel Economy (mpg)	Estimated Fuel Consumption (gallons)
2021						
Demolition/Crushing	20	5	14.7	1,470	23.70	62
Site Preparation	10	5	14.7	735	23.70	31
Grading	20	4	14.7	1,176	23.70	50
Building Construction	230	38	14.7	128,478	23.70	5,422
2022						
Building Construction	215	38	14.7	120,099	24.60	4,882
Paving	20	4	14.7	1,176	24.60	48
Architectural Coating	40	8	14.7	4,704	24.60	191
TOTAL CONSTRUCTION WORKER (LDT2) FUEL CONSUMPTION						10,686

It should be noted that construction worker trips would represent a “single-event” gasoline fuel demand and would not require on-going or permanent commitment of fuel resources for this purpose.

4.3.6 CONSTRUCTION VENDOR AND HAULING FUEL ESTIMATES

With respect to estimated VMT, the construction vendor trips (vehicles that deliver materials to the site during construction) and hauling trips would generate an estimated 159,302 VMT along area roadways for the Project over the duration of construction activity (22). It is assumed that 50% of all vendor trips are from medium-heavy duty trucks (MHDT), 50% are from heavy-heavy duty trucks (HHDT), and 100% of hauling trips are from HHDTs. These assumptions are consistent with the CalEEMod defaults utilized within the within the AQIA (22). Vehicle fuel efficiencies for MHDTs and HHDTs were estimated using information generated within EMFAC2017. EMFAC2017 was run for the MHDT and HHDT vehicle classes within the California sub-area for the 2021 through 2022 calendar years. Data from EMFAC2017 is shown in Appendix 4.4.

Based on Table 4-10, it is estimated that 8,500 gallons of fuel will be consumed related to construction vendor trips (MHDTs) during full construction of the Project.

Tables 4-11 shows the estimated fuel economy of HHDTs accessing the Project site. Based on Tables 4-11, fuel consumption from construction vendor and hauling trips (HHDTs) will total approximately 13,511 gallons.

It should be noted that Project construction vendor trips would represent a “single-event” diesel fuel demand and would not require on-going or permanent commitment of diesel fuel resources for this purpose.

TABLE 4-10: CONSTRUCTION VENDOR FUEL CONSUMPTION ESTIMATES – MHDT

Phase Name	Duration (Days)	Vendor Trips/Day	Trip Length (miles)	VMT	Average Vehicle Fuel Economy (mpg)	Estimated Fuel Consumption (gallons)
2021						
Demolition/Crushing	20	2	6.9	276	8.63	32
Site Preparation	10	1	6.9	69	8.63	8
Grading	20	3	6.9	414	8.63	48
Building Construction	230	24	6.9	38,088	8.63	4,414
2022						
Building Construction	215	24	6.9	35,604	8.90	3,998
TOTAL CONSTRUCTION VENDOR (MHDT) FUEL CONSUMPTION						8,500

TABLE 4-11: CONSTRUCTION VENDOR/HAULING FUEL CONSUMPTION ESTIMATES – HHDT

Phase Name	Duration (Days)	Vendor/Hauling Trips/Day	Trip Length (miles)	VMT	Average Vehicle Fuel Economy (mpg)	Estimated Fuel Consumption (gallons)
Vendor						
2021						
Demolition/Crushing	20	2	6.9	276	6.21	44
Site Preparation	10	1	6.9	69	6.21	11
Grading	20	3	6.9	414	6.21	67
Building Construction	230	24	6.9	38,088	6.21	6,129
2022						
Building Construction	215	24	6.9	35,604	6.37	5,586
Hauling						
2022						
Demolition/Crushing	20	18	20	7,200	6.21	1,159
Grading	20	8	20	3,200	6.21	515
TOTAL CONSTRUCTION VENDOR/HAULING (HHDT) FUEL CONSUMPTION						13,511

4.3.7 CONSTRUCTION ENERGY EFFICIENCY/CONSERVATION MEASURES

Starting in 2014, CARB adopted the nation's first regulation aimed at cleaning up off-road construction equipment such as bulldozers, graders, and backhoes. These requirements ensure fleets gradually turn over the oldest and dirtiest equipment to newer, cleaner models and prevent fleets from adding older, dirtier equipment. As such, the equipment used for Project construction would conform to CARB regulations and California emissions standards. It should

also be noted that there are no unusual Project characteristics or construction processes that would require the use of equipment that would be more energy intensive than is used for comparable activities; or equipment that would not conform to current emissions standards (and related fuel efficiencies). Equipment employed in construction of the Project would therefore not result in inefficient wasteful, or unnecessary consumption of fuel.

Construction contractors would be required to comply with applicable CARB regulation regarding retrofitting, repowering, or replacement of diesel off-road construction equipment. Additionally, CARB has adopted the Airborne Toxic Control Measure to limit heavy-duty diesel motor vehicle idling in order to reduce public exposure to diesel particulate matter and other Toxic Air Contaminants. Compliance with anti-idling and emissions regulations would result in a more efficient use of construction-related energy and the minimization or elimination of wasteful or unnecessary consumption of energy. Idling restrictions and the use of newer engines and equipment would result in less fuel combustion and energy consumption.

Additional construction-source energy efficiencies would occur due to required California regulations and best available control measures (BACM). For example, CCR Title 13, Motor Vehicles, section 2449(d)(3) Idling, limits idling times of construction vehicles to no more than five minutes, thereby precluding unnecessary and wasteful consumption of fuel due to unproductive idling of construction equipment. Section 2449(d)(3) requires that grading plans shall reference the requirement that a sign shall be posted on-site stating that construction workers need to shut off engines at or before five minutes of idling." In this manner, construction equipment operators are required to be informed that engines are to be turned off at or prior to five minutes of idling. Enforcement of idling limitations is realized through periodic site inspections conducted by City building officials, and/or in response to citizen complaints.

A full analysis related to the energy needed to form construction materials is not included in this analysis due to a lack of detailed Project-specific information on construction materials. At this time, an analysis of the energy needed to create Project-related construction materials would be extremely speculative and thus has not been prepared.

In general, the construction processes promote conservation and efficient use of energy by reducing raw materials demands, with related reduction in energy demands associated with raw materials extraction, transportation, processing, and refinement. Use of materials in bulk reduces energy demands associated with preparation and transport of construction materials as well as the transport and disposal of construction waste and solid waste in general, with corollary reduced demands on area landfill capacities and energy consumed by waste transport and landfill operations.

4.4 OPERATIONAL ENERGY DEMANDS

Energy consumption in support of or related to Project operations would include transportation energy demands (energy consumed by passenger car and truck vehicles accessing the Project site) and facilities energy demands (energy consumed by building operations and site maintenance activities).

4.4.1 TRANSPORTATION ENERGY DEMANDS

Energy that would be consumed by Project-generated traffic is a function of total VMT and estimated vehicle fuel economies of vehicles accessing the Project site. The VMT per vehicle class can be determined by evaluated in the vehicle fleet mix and the total VMT.

As with worker and vendors trips, operational vehicle fuel efficiencies were estimated using information generated within EMFAC2017 developed by CARB (24). EMFAC2017 was run for the Los Angeles (South Coast) area for the 2021 and 2022 calendar years. Data from EMFAC2017 is shown in Appendix 4.4.

It should be noted that the existing development energy demands were subtracted from the Project to determine the new energy demands from the proposed Project. As summarized on Table 4-12 the Project will result in 4,941,433 annual VMT and an estimated annual fuel consumption of 150,221 gallons of fuel.

TABLE 4-12: TOTAL PROJECT-GENERATED TRAFFIC ANNUAL FUEL CONSUMPTION (ALL VEHICLES)

Vehicle Type	Annual VMT	Average Vehicle Fuel Economy (mpg)	Estimated Annual Fuel Consumption (gallons)
LDA	823,792	31.02	26,555
LDT1	67,747	26.34	2,572
LDT2	307,499	24.60	12,501
MDV	181,445	20.06	9,046
MCY	7,774	35.70	218
LHDT1	90,539	13.34	6,788
LHDT2	35,680	13.74	2,597
MHDT	154,243	8.90	17,322
HHDT	462,879	6.37	72,623
TOTAL (ALL VEHICLES)	2,131,599	-	150,221

4.4.2 FACILITY ENERGY DEMANDS

Project building operations activities would result in the consumption of natural gas and electricity. Natural gas would be supplied to the Project by Long Beach Energy Resources; electricity would be supplied to the Project by SCE. As previously stated, the analysis herein assumes compliance with the 2019 Title 24 Standards. As such, the CalEEMod defaults for Title 24 – Electricity and Lighting Energy were reduced by 30% in order to reflect consistency with the 2019 Title 24 standard. Annual natural gas and electricity demands of the Project are summarized in Tables 4-13.

TABLE 4-13: PROJECT ANNUAL ENERGY DEMAND SUMMARY

Land Use	Natural Gas Demand (kBtu/year)
General Light Industrial	865,790
Warehouse	53,763
Parking	0
Landscape	0
Other Asphalt Surfaces	0
TOTAL PROJECT NATURAL GAS DEMAND	919,553
Land Use	Electricity Demand (kWh/year)
General Light Industrial	587,081
Warehouse	241,008
Parking	20,500
Landscape	0
Other Asphalt Surfaces	0
TOTAL PROJECT ELECTRICITY DEMAND	848,589

4.4.3 OPERATIONAL ENERGY EFFICIENCY/CONSERVATION MEASURES

Energy efficiency/energy conservation attributes of the Project would be complemented by increasingly stringent state and federal regulatory actions addressing vehicle fuel economies and vehicle emissions standards; and enhanced building/utilities energy efficiencies mandated under California building codes (e.g., Title24, California Green Building Standards Code).

ENHANCED VEHICLE FUEL EFFICIENCIES

Project annual fuel consumption estimates presented previously in Table 4-12 represent likely potential maximums that would occur for the Project. Under subsequent future conditions, average fuel economies of vehicles accessing the Project site can be expected to improve as older, less fuel-efficient vehicles are removed from circulation, and in response to fuel economy and emissions standards imposed on newer vehicles entering the circulation system.

Enhanced fuel economies realized pursuant to federal and state regulatory actions, and related transition of vehicles to alternative energy sources (e.g., electricity, natural gas, biofuels, hydrogen cells) would likely decrease future gasoline fuel demands per VMT. Location of the Project proximate to regional and local roadway systems tends to reduce VMT within the region, acting to reduce regional vehicle energy demands.

4.5 COMPARISON TO ANALYSIS IN *LUE EIR*

This section summarizes the Project's energy usage in this EA as compared to the energy usage totals that were identified in the *LUE EIR* (1).

4.5.1 *LUE EIR* ENERGY USAGE

Tables 4-14 shows the energy demands associated with buildout of the *LUE EIR* (1).

TABLE 4-14: *LUE EIR* ANNUAL OPERATIONAL ENERGY DEMAND SUMMARY

Land Use	Natural Gas Demand (kBtu/year)
Residential	3,779,245,087
Non-Residential	869,815,643
TOTAL PROJECT NATURAL GAS DEMAND	4,649,160,730
Land Use	Electricity Demand (kWh/year)
Residential	1,099,974,647
Non-Residential	850,241,484
TOTAL PROJECT ELECTRICITY DEMAND	1,950,216,130

4.5.2 CURRENTLY ADOPTED GENERAL PLAN LAND USE ENERGY DEMANDS

This section summarizes the Project's energy usage as compared to the energy usage totals that would occur if the site were built under the currently adopted land use. Building 1 is located on a vacant parcel (currently paved for parking, no building). However, Building 2 is currently being utilized for long-term contractor parking. The site is currently occupied by a 19,300-sf building in the northeast corner of the site. Both sites for Buildings 1 and 2 are designated for Light Industrial use.

The City's General Plan (December 2019) identifies the existing land use on the site as Neo-Industrial, which allows non-residential development at an intensity of 0.5-1.00 floor to area ratio (FAR) of industrial uses. As such, the existing 6.31-acre site currently assumes between 137,432 sf to 274,864 sf of light industrial uses.

4.5.1 CURRENTLY ADOPTED GENERAL PLAN LAND USE TRANSPORTATION ENERGY DEMANDS

The estimated transportation energy demands from the currently adopted general plan land use are summarized on Table 4-15.

4.5.2 COMPARISON TO CURRENTLY ADOPTED GENERAL PLAN LAND USE TRANSPORTATION ENERGY DEMANDS

As shown in Table 4-16, the proposed Project is anticipated to require less annual fuel as compared to transportation energy demands of the currently adopted Project land uses.

TABLE 4-15: CURRENTLY ADOPTED LAND USE TRAFFIC ANNUAL FUEL CONSUMPTION (ALL VEHICLES)

Vehicle Type	Annual VMT	Average Vehicle Fuel Economy (mpg)	Estimated Annual Fuel Consumption (gallons)
LDA	1,511,021	31.02	48,708
LDT1	124,263	26.34	4,718
LDT2	564,023	24.60	22,929
MDV	332,812	20.06	16,592
MCY	14,260	35.70	399
LHDT1	85,232	13.34	6,390
LHDT2	33,561	13.74	2,442
MHDT	158,415	8.90	17,790
HHDT	462,012	6.37	72,487
TOTAL (ALL VEHICLES)	3,285,597	-	192,456

TABLE 4-16: TRANSPORTATION ENERGY DEMANDS COMPARISON

Source	Annual VMT	Estimated Annual Fuel Consumption (gallons)
Proposed Project	2,131,599	150,221
Currently Adopted Land Use	3,285,597	192,456
VARIANCE (PROPOSED – CURRENTLY ADOPTED)	-1,153,998	-42,235

4.5.3 CURRENTLY ADOPTED GENERAL PLAN LAND USE FACILITY ENERGY DEMANDS

The estimated facility energy demands from the currently adopted land uses are summarized on Table 4-17.

TABLE 4-17: CURRENTLY ADOPTED LAND USE ANNUAL OPERATIONAL ENERGY DEMAND SUMMARY

Land Use	Natural Gas Demand (kBtu/year)
General Light Industrial	2,487,520
Other Asphalt Surfaces	0
TOTAL PROJECT NATURAL GAS DEMAND	2,487,520
Land Use	Electricity Demand (kWh/year)
General Light Industrial	1,525,500
Other Asphalt Surfaces	0
TOTAL PROJECT ELECTRICITY DEMAND	1,525,500

4.5.4 COMPARISON TO CURRENTLY ADOPTED GENERAL PLAN LAND USE ENERGY DEMANDS

As shown in Table 4-18, the proposed Project is anticipated to require less natural gas and electricity when compared to facility energy demands of the currently adopted Project land use. Additionally, the Project would comply with the applicable Title 24 standards which would ensure that the Project energy demands would not be inefficient, wasteful, or otherwise unnecessary.

TABLE 4-18: FACILITY ENERGY DEMANDS COMPARISON

Source	Natural Gas Demand (kBTU/year)
Proposed Project	919,553
Currently Adopted Land Use	2,487,520
VARIANCE (PROPOSED – CURRENTLY ADOPTED)	-1,567,967
Source	Electricity Demand (kWh/year)
Proposed Project	848,589
Currently Adopted Land Use	1,525,500
VARIANCE (PROPOSED – CURRENTLY ADOPTED)	-676,911

4.6 SUMMARY

4.6.1 CONSTRUCTION ENERGY DEMANDS

The estimated power cost of on-site electricity usage during the construction of the Project is assumed to be approximately \$11,126.06. Additionally, based on the assumed power cost, it is estimated that the total electricity usage during construction, after full Project build-out, is calculated to be approximately 99,696 kWh.

Construction equipment used by the Project would result in single event consumption of approximately 61,967 gallons of diesel fuel. Construction equipment use of fuel would not be atypical for the type of construction proposed because there are no aspects of the Project's proposed construction process that are unusual or energy-intensive, and Project construction equipment would conform to the applicable CARB emissions standards, acting to promote equipment fuel efficiencies.

CCR Title 13, Motor Vehicles, section 2449(d)(3) Idling, limits idling times of construction vehicles to no more than 5 minutes, thereby precluding unnecessary and wasteful consumption of fuel due to unproductive idling of construction equipment. BACMs inform construction equipment operators of this requirement. Enforcement of idling limitations is realized through periodic site inspections conducted by City building officials, and/or in response to citizen complaints.

Construction worker trips for full construction of the Project would result in the estimated fuel consumption of 37,463 gallons of fuel. Additionally, fuel consumption from construction vendor and hauling trips (MHDs and HHDs) will total approximately 22,011 gallons. Diesel fuel would be supplied by City and regional commercial vendors. Indirectly, construction energy efficiencies

and energy conservation would be achieved using bulk purchases, transport and use of construction materials. The 2020 IEPR released by the CEC has shown that fuel efficiencies are getting better within on and off-road vehicle engines due to more stringent government requirements (18). As supported by the preceding discussions, Project construction energy consumption would not be considered inefficient, wasteful, or otherwise unnecessary.

4.6.2 OPERATIONAL ENERGY DEMANDS

TRANSPORTATION ENERGY DEMANDS

Annual vehicular trips and related VMT generated by the operation of the Project would result in a fuel demand of 150,221 gallons of fuel which is 42,235 gallons less than the Currently Adopted General Plan Land Use.

Fuel would be provided by current and future commercial vendors. Trip generation and VMT generated by the Project are consistent with other industrial uses of similar scale and configuration, as reflected respectively in the Institute of Transportation Engineers (ITE) Trip Generation Manual (10th Ed., 2017); and CalEEMod. As such, Project operations would not result in excessive and wasteful vehicle trips and VMT, nor excess and wasteful vehicle energy consumption compared to other industrial uses.

It should be noted that the state strategy for the transportation sector for medium and heavy-duty trucks is focused on making trucks more efficient and expediting truck turnover rather than reducing VMT from trucks. This is in contrast to the passenger vehicle component of the transportation sector where both per-capita VMT reductions and an increase in vehicle efficiency are forecasted to be needed to achieve the overall state emissions reductions goals.

Heavy duty trucks involved in goods movements are generally controlled on the technology side and through fleet turnover of older trucks and engines to newer and cleaner trucks and engines. The first battery-electric heavy-heavy duty trucks are being tested this year and SCAQMD is looking to integrate this new technology into large-scale truck operations. The following state strategies reduce GHG emissions from the medium and heavy-duty trucks:

- CARB's Mobile Source Strategy focuses on reducing GHGs through the transition to zero and low emission vehicles and from medium-duty and heavy-duty trucks.
- CARB's Sustainable Freight Action Plan establishes a goal to improve freight efficiency by 25 percent by 2030, deploy over 100,000 freight vehicles and equipment capable of zero emission operation and maximize both zero and near-zero emission freight vehicles and equipment powered by renewable energy by 2030.
- CARB's Emissions Reduction Plan for Ports and Goods Movement (Goods Movement Plan) in California focuses on reducing heavy-duty truck-related emissions focus on establishment of emissions standards for trucks, fleet turnover, truck retrofits, and restriction on truck idling (CARB 2006). While the focus of Goods Movement Plan is to reduce criteria air pollutant and air toxic emissions, the strategies to reduce these pollutants would also generally have a beneficial effect in reducing GHG emissions.
- CARB's On-Road Truck and Bus Regulation (2010) requires diesel trucks and buses that operate in California to be upgraded to reduce emissions. Newer heavier trucks and buses must meet

particulate matter filter requirements beginning January 1, 2012. Lighter and older heavier trucks must be replaced starting January 1, 2015. By January 1, 2023 nearly all trucks and buses will need to have 2010 model year engines or equivalent (29).

- CARB's Heavy-Duty (Tractor-Trailer) GHG Regulation requires SmartWay tractor trailers that include idle-reduction technologies, aerodynamic technologies, and low-rolling resistant tires that would reduce fuel consumption and associated GHG emissions.

The proposed Project would implement project design features that would facilitate the accessibility, parking, and loading of trucks on site.

Enhanced fuel economies realized pursuant to federal and state regulatory actions, and related transition of vehicles to alternative energy sources (e.g., electricity, natural gas, biofuels, hydrogen cells) would likely decrease future gasoline fuel demands per VMT. Location of the Project proximate to regional and local roadway systems tends to reduce VMT within the region, acting to reduce regional vehicle energy demands. The Project would implement sidewalks, facilitating and encouraging pedestrian access. Facilitating pedestrian and bicycle access would reduce VMT and associated energy consumption. In compliance with the California Green Building Standards Code and City requirements, the Project would promote the use of bicycles as an alternative mean of transportation by providing short-term and/or long-term bicycle parking accommodations. As supported by the preceding discussions, Project transportation energy consumption would not be considered inefficient, wasteful, or otherwise unnecessary.

FACILITY ENERGY DEMANDS

Project facility operational energy demands are estimated at: 919,553 kBTU/year of natural gas; and 848,589 kWh/year of electricity which is 1,567,967 kBTU/year of natural gas and 676,911 kWh/year of electricity less when compared to the energy demands associated with the Currently Adopted General Plan Land Use. Natural gas would be supplied to the Project by Long Beach Energy Resources; electricity would be supplied by SCE. The Project proposes conventional industrial uses reflecting contemporary energy efficient/energy conserving designs and operational programs. The Project does not propose uses that are inherently energy intensive and the energy demands in total would be comparable to other industrial uses of similar scale and configuration.

Lastly, the Project will comply with the applicable Title 24 standards. Compliance itself with applicable Title 24 standards will ensure that the Project energy demands would not be inefficient, wasteful, or otherwise unnecessary.

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5 CONCLUSIONS

5.1 ENERGY IMPACT 1

Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation.

As supported by the preceding analyses, Project construction and operations would not result in the inefficient, wasteful, or unnecessary consumption of energy. The Project would therefore not cause or result in the need for additional energy producing or transmission facilities. The Project would not engage in wasteful or inefficient uses of energy and aims to achieve energy conservations goals within the State of California.

5.2 ENERGY IMPACT 2

Conflict with or obstruct a state or local plan for renewable energy or energy efficiency.

The Project's consistency with the applicable state and local plans is discussed below.

CONSISTENCY WITH ISTE A

Transportation and access to the Project site is provided by the local and regional roadway systems. The Project would not interfere with, nor otherwise obstruct intermodal transportation plans or projects that may be realized pursuant to the ISTE A because Southern California Association of Governments (SCAG) is not planning for intermodal facilities on or through the Project site.

CONSISTENCY WITH TEA-21

The Project site is located along major transportation corridors with proximate access to the Interstate freeway system. The site selected for the Project facilitates access, acts to reduce vehicle miles traveled and takes advantage of existing infrastructure systems. The Project supports the strong planning processes emphasized under TEA-21. The Project is therefore consistent with, and would not otherwise interfere with, nor obstruct implementation of TEA-21.

CONSISTENCY WITH IEPR

Electricity would be provided to the Project by SCE. SCE's *Clean Power and Electrification Pathway* (CPEP) white paper builds on existing state programs and policies. As such, the Project is consistent with, and would not otherwise interfere with, nor obstruct implementation the goals presented in the 2020 IEPR.

Additionally, the Project will comply with the applicable Title 24 standards which would ensure that the Project energy demands would not be inefficient, wasteful, or otherwise unnecessary. As such, development of the proposed Project would support the goals presented in the 2020 IEPR.

CONSISTENCY WITH STATE OF CALIFORNIA ENERGY PLAN

The Project site is located along major transportation corridors with proximate access to the Interstate freeway system. The site selected for the Project facilitates access and takes advantage of existing infrastructure systems. The Project therefore supports urban design and planning processes identified under the State of California Energy Plan, is consistent with, and would not otherwise interfere with, nor obstruct implementation of the State of California Energy Plan.

CONSISTENCY WITH CALIFORNIA CODE TITLE 24, PART 6, ENERGY EFFICIENCY STANDARDS

The 2019 version of Title 24 was adopted by the CEC and became effective on January 1, 2020. It should be noted that the analysis herein assumes compliance with the 2019 Title 24 Standards. It should be noted that the CEC anticipates that nonresidential buildings will use approximately 30% less energy compared to the prior code (19). As such, the CalEEMod defaults for Title 24 – Electricity and Lighting Energy were reduced by 30% in order to reflect consistency with the 2019 Title 24 standard.

CONSISTENCY WITH AB 1493

AB 1493 is not applicable to the Project as it is a statewide measure establishing vehicle emissions standards. No feature of the Project would interfere with implementation of the requirements under AB 1493.

CONSISTENCY WITH RPS

California's RPS is not applicable to the Project as it is a statewide measure that establishes a renewable energy mix. No feature of the Project would interfere with implementation of the requirements under RPS.

CONSISTENCY WITH SB 350

The proposed Project would use energy from SCE, which have committed to diversify their portfolio of energy sources by increasing energy from wind and solar sources. No feature of the Project would interfere with implementation of SB 350. Additionally, the Project would be designed and constructed to implement the energy efficiency measures for new industrial developments and would include several measures designed to reduce energy consumption.

As shown above, the Project would not conflict with any of the state or local plans. As such, a less than significant impact is expected.

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7 CERTIFICATIONS

The contents of this energy analysis report represent an accurate depiction of the environmental impacts associated with the proposed San Francisco Avenue. The information contained in this energy analysis report is based on the best available data at the time of preparation. If you have any questions, please contact me directly at hqureshi@urbanxroads.com.

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EDUCATION

Master of Science in Environmental Studies
California State University, Fullerton • May 2010

Bachelor of Arts in Environmental Analysis and Design
University of California, Irvine • June 2006

PROFESSIONAL AFFILIATIONS

AEP – Association of Environmental Planners
AWMA – Air and Waste Management Association
ASTM – American Society for Testing and Materials

PROFESSIONAL CERTIFICATIONS

Planned Communities and Urban Infill – Urban Land Institute • June 2011
Indoor Air Quality and Industrial Hygiene – EMSL Analytical • April 2008
Principles of Ambient Air Monitoring – California Air Resources Board • August 2007
AB2588 Regulatory Standards – Trinity Consultants • November 2006
Air Dispersion Modeling – Lakes Environmental • June 2006

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APPENDIX 4.1:

CALEEMOD PROJECT CONSTRUCTION MODEL OUTPUTS

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Annual

San Francisco Avenue (Construction - Unmitigated)**Los Angeles-South Coast County, Annual****1.0 Project Characteristics****1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	61.80	1000sqft	1.42	61,798.00	0
Other Asphalt Surfaces	51.84	1000sqft	1.19	51,840.00	0
Parking Lot	376.00	Space	1.46	150,400.00	0
City Park	0.81	Acre	0.81	35,283.60	0
Unrefrigerated Warehouse-No Rail	61.80	1000sqft	1.42	61,797.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9			Operational Year	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	564.66	CH4 Intensity (lb/MW hr)	0.023	N2O Intensity (lb/MW hr)	0.005

1.3 User Entered Comments & Non-Default Data

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Annual

Project Characteristics - Intensity factors adjusted to reflect the RPS for the 2022 Opening Year

Land Use - Total Project area is approximately 6.3 acres

Construction Phase - Construction anticipated to be completed in 2022

Off-road Equipment - Hours are based on an 8-hour workday

Off-road Equipment - Crawler Tractors used in lieu of Tractors/Loaders/Backhoes

Off-road Equipment -

Off-road Equipment - Crawler Tractors used in lieu of Tractors/Loaders/Backhoes

Off-road Equipment -

Off-road Equipment - Crawler Tractors used in lieu of Tractors/Loaders/Backhoes

Trips and VMT - Vendor Trips adjusted based on CalEEMod defaults for Building Construction and number of days for Demolition, Site Preparation, Grading, and Building Construction

Demolition -

Grading - This analysis conservatively assumes that up to 5 acres will be disturbed per day

Architectural Coating - Rule 1113

Vehicle Trips - Construction run only

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Energy Use - Construction run only

Water And Wastewater - Construction run only

Solid Waste - Construction run only

Construction Off-road Equipment Mitigation - Rule 403

Fleet Mix -

Area Coating -

Consumer Products - Construction only

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Annual

tblAreaCoating	ReapplicationRatePercent	10	0
tblConstructionPhase	NumDays	20.00	40.00
tblConsumerProducts	ROG_EF	1.98E-05	1E-13
tblConsumerProducts	ROG_EF_Degreaser	3.542E-07	1E-12
tblConsumerProducts	ROG_EF_PesticidesFertilizers	5.152E-08	1E-13
tblEnergyUse	LightingElect	3.10	0.00
tblEnergyUse	LightingElect	0.35	0.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
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tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.023

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Annual

tblProjectCharacteristics	CO2IntensityFactor	702.44	564.66
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San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Annual

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San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Annual

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San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Annual

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San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Annual

tblVehicleEF	HHD	8.0000e-005	1.0000e-006
tblVehicleEF	HHD	1.0300e-004	8.0000e-006
tblVehicleEF	HHD	4.9260e-003	3.1500e-004
tblVehicleEF	HHD	0.66	0.42
tblVehicleEF	HHD	7.7000e-005	5.0000e-006
tblVehicleEF	HHD	0.15	0.08
tblVehicleEF	HHD	4.2900e-004	1.6010e-003
tblVehicleEF	HHD	0.08	3.0000e-006
tblVehicleEF	HHD	0.04	0.01
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.6000e-004	1.0000e-006
tblVehicleEF	HHD	1.0300e-004	8.0000e-006
tblVehicleEF	HHD	4.9260e-003	3.1500e-004
tblVehicleEF	HHD	0.78	0.48
tblVehicleEF	HHD	7.7000e-005	5.0000e-006
tblVehicleEF	HHD	0.25	0.09
tblVehicleEF	HHD	4.2900e-004	1.6010e-003
tblVehicleEF	HHD	0.09	3.0000e-006
tblVehicleEF	LDA	5.3420e-003	3.0240e-003
tblVehicleEF	LDA	5.4040e-003	0.05
tblVehicleEF	LDA	0.66	0.72
tblVehicleEF	LDA	1.15	2.10
tblVehicleEF	LDA	274.33	272.47
tblVehicleEF	LDA	57.08	53.62
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.07	0.18
tblVehicleEF	LDA	2.1700e-003	1.8010e-003

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tblVehicleEF	LDA	2.2660e-003	1.8420e-003
tblVehicleEF	LDA	2.0000e-003	1.6590e-003
tblVehicleEF	LDA	2.0830e-003	1.6940e-003
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.21
tblVehicleEF	LDA	0.07	0.22
tblVehicleEF	LDA	2.7480e-003	2.6780e-003
tblVehicleEF	LDA	5.9000e-004	5.2700e-004
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.21
tblVehicleEF	LDA	0.08	0.25
tblVehicleEF	LDA	5.6740e-003	3.2280e-003
tblVehicleEF	LDA	4.8010e-003	0.04
tblVehicleEF	LDA	0.72	0.79
tblVehicleEF	LDA	0.98	1.79
tblVehicleEF	LDA	287.10	284.40
tblVehicleEF	LDA	57.08	53.05
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.06	0.17
tblVehicleEF	LDA	2.1700e-003	1.8010e-003
tblVehicleEF	LDA	2.2660e-003	1.8420e-003

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tblVehicleEF	LDA	2.0000e-003	1.6590e-003
tblVehicleEF	LDA	2.0830e-003	1.6940e-003
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.11	0.10
tblVehicleEF	LDA	0.05	0.07
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.20
tblVehicleEF	LDA	0.06	0.20
tblVehicleEF	LDA	2.8760e-003	2.7950e-003
tblVehicleEF	LDA	5.8700e-004	5.2200e-004
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.11	0.10
tblVehicleEF	LDA	0.05	0.07
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.20
tblVehicleEF	LDA	0.07	0.22
tblVehicleEF	LDA	5.2330e-003	2.9600e-003
tblVehicleEF	LDA	5.5300e-003	0.05
tblVehicleEF	LDA	0.63	0.69
tblVehicleEF	LDA	1.19	2.17
tblVehicleEF	LDA	269.66	268.07
tblVehicleEF	LDA	57.08	53.75
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.07	0.19
tblVehicleEF	LDA	2.1700e-003	1.8010e-003
tblVehicleEF	LDA	2.2660e-003	1.8420e-003
tblVehicleEF	LDA	2.0000e-003	1.6590e-003

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tblVehicleEF	LDA	2.0830e-003	1.6940e-003
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.05	0.24
tblVehicleEF	LDA	0.07	0.23
tblVehicleEF	LDA	2.7010e-003	2.6350e-003
tblVehicleEF	LDA	5.9100e-004	5.2800e-004
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.05	0.24
tblVehicleEF	LDA	0.08	0.25
tblVehicleEF	LDT1	0.02	7.7270e-003
tblVehicleEF	LDT1	0.01	0.07
tblVehicleEF	LDT1	1.68	1.45
tblVehicleEF	LDT1	2.78	2.27
tblVehicleEF	LDT1	341.15	320.55
tblVehicleEF	LDT1	69.44	63.67
tblVehicleEF	LDT1	0.16	0.12
tblVehicleEF	LDT1	0.16	0.26
tblVehicleEF	LDT1	3.5390e-003	2.7170e-003
tblVehicleEF	LDT1	3.4320e-003	2.6310e-003
tblVehicleEF	LDT1	3.2590e-003	2.5000e-003
tblVehicleEF	LDT1	3.1560e-003	2.4190e-003

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tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	0.26	0.20
tblVehicleEF	LDT1	0.11	0.11
tblVehicleEF	LDT1	0.04	0.03
tblVehicleEF	LDT1	0.17	0.69
tblVehicleEF	LDT1	0.19	0.35
tblVehicleEF	LDT1	3.4330e-003	3.1520e-003
tblVehicleEF	LDT1	7.4300e-004	6.2600e-004
tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	0.26	0.20
tblVehicleEF	LDT1	0.11	0.11
tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.17	0.69
tblVehicleEF	LDT1	0.21	0.39
tblVehicleEF	LDT1	0.02	8.1770e-003
tblVehicleEF	LDT1	0.01	0.06
tblVehicleEF	LDT1	1.82	1.58
tblVehicleEF	LDT1	2.36	1.93
tblVehicleEF	LDT1	356.02	332.71
tblVehicleEF	LDT1	69.44	63.00
tblVehicleEF	LDT1	0.14	0.10
tblVehicleEF	LDT1	0.15	0.24
tblVehicleEF	LDT1	3.5390e-003	2.7170e-003
tblVehicleEF	LDT1	3.4320e-003	2.6310e-003
tblVehicleEF	LDT1	3.2590e-003	2.5000e-003
tblVehicleEF	LDT1	3.1560e-003	2.4190e-003
tblVehicleEF	LDT1	0.20	0.20

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tblVehicleEF	LDT1	0.28	0.21
tblVehicleEF	LDT1	0.15	0.15
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.16	0.64
tblVehicleEF	LDT1	0.17	0.31
tblVehicleEF	LDT1	3.5840e-003	3.2710e-003
tblVehicleEF	LDT1	7.3600e-004	6.1900e-004
tblVehicleEF	LDT1	0.20	0.20
tblVehicleEF	LDT1	0.28	0.21
tblVehicleEF	LDT1	0.15	0.15
tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.16	0.64
tblVehicleEF	LDT1	0.18	0.34
tblVehicleEF	LDT1	0.02	7.5820e-003
tblVehicleEF	LDT1	0.01	0.07
tblVehicleEF	LDT1	1.63	1.41
tblVehicleEF	LDT1	2.87	2.35
tblVehicleEF	LDT1	335.69	316.06
tblVehicleEF	LDT1	69.44	63.82
tblVehicleEF	LDT1	0.15	0.12
tblVehicleEF	LDT1	0.16	0.26
tblVehicleEF	LDT1	3.5390e-003	2.7170e-003
tblVehicleEF	LDT1	3.4320e-003	2.6310e-003
tblVehicleEF	LDT1	3.2590e-003	2.5000e-003
tblVehicleEF	LDT1	3.1560e-003	2.4190e-003
tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	0.30	0.22

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tblVehicleEF	LDT1	0.10	0.10
tblVehicleEF	LDT1	0.04	0.03
tblVehicleEF	LDT1	0.20	0.82
tblVehicleEF	LDT1	0.20	0.36
tblVehicleEF	LDT1	3.3780e-003	3.1070e-003
tblVehicleEF	LDT1	7.4500e-004	6.2800e-004
tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	0.30	0.22
tblVehicleEF	LDT1	0.10	0.10
tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.20	0.82
tblVehicleEF	LDT1	0.21	0.40
tblVehicleEF	LDT2	7.2180e-003	4.9730e-003
tblVehicleEF	LDT2	6.3970e-003	0.07
tblVehicleEF	LDT2	0.84	1.02
tblVehicleEF	LDT2	1.35	2.65
tblVehicleEF	LDT2	381.91	343.42
tblVehicleEF	LDT2	78.07	68.73
tblVehicleEF	LDT2	0.08	0.09
tblVehicleEF	LDT2	0.11	0.28
tblVehicleEF	LDT2	2.1510e-003	1.9110e-003
tblVehicleEF	LDT2	2.3580e-003	1.8910e-003
tblVehicleEF	LDT2	1.9790e-003	1.7590e-003
tblVehicleEF	LDT2	2.1690e-003	1.7390e-003
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.10	0.12
tblVehicleEF	LDT2	0.05	0.07

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tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.41
tblVehicleEF	LDT2	0.09	0.31
tblVehicleEF	LDT2	3.8260e-003	3.3760e-003
tblVehicleEF	LDT2	8.0300e-004	6.7600e-004
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.10	0.12
tblVehicleEF	LDT2	0.05	0.07
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.06	0.41
tblVehicleEF	LDT2	0.09	0.34
tblVehicleEF	LDT2	7.6530e-003	5.2910e-003
tblVehicleEF	LDT2	5.6920e-003	0.06
tblVehicleEF	LDT2	0.92	1.12
tblVehicleEF	LDT2	1.15	2.26
tblVehicleEF	LDT2	399.04	355.31
tblVehicleEF	LDT2	78.07	67.99
tblVehicleEF	LDT2	0.07	0.08
tblVehicleEF	LDT2	0.10	0.26
tblVehicleEF	LDT2	2.1510e-003	1.9110e-003
tblVehicleEF	LDT2	2.3580e-003	1.8910e-003
tblVehicleEF	LDT2	1.9790e-003	1.7590e-003
tblVehicleEF	LDT2	2.1690e-003	1.7390e-003
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.10	0.13
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.02	0.02

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tblVehicleEF	LDT2	0.06	0.38
tblVehicleEF	LDT2	0.08	0.28
tblVehicleEF	LDT2	3.9980e-003	3.4930e-003
tblVehicleEF	LDT2	8.0000e-004	6.6800e-004
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.10	0.13
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.06	0.38
tblVehicleEF	LDT2	0.08	0.31
tblVehicleEF	LDT2	7.0750e-003	4.8730e-003
tblVehicleEF	LDT2	6.5470e-003	0.07
tblVehicleEF	LDT2	0.81	0.99
tblVehicleEF	LDT2	1.39	2.74
tblVehicleEF	LDT2	375.62	339.02
tblVehicleEF	LDT2	78.07	68.90
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.11	0.28
tblVehicleEF	LDT2	2.1510e-003	1.9110e-003
tblVehicleEF	LDT2	2.3580e-003	1.8910e-003
tblVehicleEF	LDT2	1.9790e-003	1.7590e-003
tblVehicleEF	LDT2	2.1690e-003	1.7390e-003
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.11	0.13
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.48

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tblVehicleEF	LDT2	0.09	0.32
tblVehicleEF	LDT2	3.7630e-003	3.3320e-003
tblVehicleEF	LDT2	8.0400e-004	6.7700e-004
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.11	0.13
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.07	0.48
tblVehicleEF	LDT2	0.10	0.35
tblVehicleEF	LHD1	5.5970e-003	5.6110e-003
tblVehicleEF	LHD1	0.01	5.6770e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.19
tblVehicleEF	LHD1	0.84	0.65
tblVehicleEF	LHD1	2.79	1.14
tblVehicleEF	LHD1	8.92	8.88
tblVehicleEF	LHD1	603.81	667.04
tblVehicleEF	LHD1	33.34	12.48
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.95	0.63
tblVehicleEF	LHD1	1.01	0.34
tblVehicleEF	LHD1	8.2600e-004	7.5000e-004
tblVehicleEF	LHD1	0.01	9.6680e-003
tblVehicleEF	LHD1	9.1270e-003	6.2840e-003
tblVehicleEF	LHD1	1.0140e-003	2.8500e-004
tblVehicleEF	LHD1	7.9000e-004	7.1700e-004
tblVehicleEF	LHD1	2.5160e-003	2.4170e-003

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tblVehicleEF	LHD1	8.7050e-003	5.9830e-003
tblVehicleEF	LHD1	9.3300e-004	2.6200e-004
tblVehicleEF	LHD1	3.1460e-003	2.5540e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.9140e-003	1.5610e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.31	0.55
tblVehicleEF	LHD1	0.27	0.08
tblVehicleEF	LHD1	9.0000e-005	8.6000e-005
tblVehicleEF	LHD1	5.9300e-003	6.5150e-003
tblVehicleEF	LHD1	3.8500e-004	1.2400e-004
tblVehicleEF	LHD1	3.1460e-003	2.5540e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.9140e-003	1.5610e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.31	0.55
tblVehicleEF	LHD1	0.29	0.09
tblVehicleEF	LHD1	5.5970e-003	5.6230e-003
tblVehicleEF	LHD1	0.01	5.7930e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.19
tblVehicleEF	LHD1	0.85	0.66
tblVehicleEF	LHD1	2.66	1.09
tblVehicleEF	LHD1	8.92	8.88
tblVehicleEF	LHD1	603.81	667.06

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tblVehicleEF	LHD1	33.34	12.39
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.89	0.59
tblVehicleEF	LHD1	0.96	0.32
tblVehicleEF	LHD1	8.2600e-004	7.5000e-004
tblVehicleEF	LHD1	0.01	9.6680e-003
tblVehicleEF	LHD1	9.1270e-003	6.2840e-003
tblVehicleEF	LHD1	1.0140e-003	2.8500e-004
tblVehicleEF	LHD1	7.9000e-004	7.1700e-004
tblVehicleEF	LHD1	2.5160e-003	2.4170e-003
tblVehicleEF	LHD1	8.7050e-003	5.9830e-003
tblVehicleEF	LHD1	9.3300e-004	2.6200e-004
tblVehicleEF	LHD1	4.7100e-003	3.7600e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.6900e-003	2.1600e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.30	0.53
tblVehicleEF	LHD1	0.26	0.08
tblVehicleEF	LHD1	9.0000e-005	8.6000e-005
tblVehicleEF	LHD1	5.9310e-003	6.5150e-003
tblVehicleEF	LHD1	3.8300e-004	1.2300e-004
tblVehicleEF	LHD1	4.7100e-003	3.7600e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	2.6900e-003	2.1600e-003
tblVehicleEF	LHD1	0.08	0.06

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tblVehicleEF	LHD1	0.30	0.53
tblVehicleEF	LHD1	0.28	0.08
tblVehicleEF	LHD1	5.5970e-003	5.6090e-003
tblVehicleEF	LHD1	0.01	5.6460e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.19
tblVehicleEF	LHD1	0.83	0.64
tblVehicleEF	LHD1	2.81	1.15
tblVehicleEF	LHD1	8.92	8.88
tblVehicleEF	LHD1	603.81	667.03
tblVehicleEF	LHD1	33.34	12.50
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.94	0.62
tblVehicleEF	LHD1	1.01	0.34
tblVehicleEF	LHD1	8.2600e-004	7.5000e-004
tblVehicleEF	LHD1	0.01	9.6680e-003
tblVehicleEF	LHD1	9.1270e-003	6.2840e-003
tblVehicleEF	LHD1	1.0140e-003	2.8500e-004
tblVehicleEF	LHD1	7.9000e-004	7.1700e-004
tblVehicleEF	LHD1	2.5160e-003	2.4170e-003
tblVehicleEF	LHD1	8.7050e-003	5.9830e-003
tblVehicleEF	LHD1	9.3300e-004	2.6200e-004
tblVehicleEF	LHD1	3.3080e-003	2.6900e-003
tblVehicleEF	LHD1	0.12	0.09
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.8850e-003	1.5400e-003
tblVehicleEF	LHD1	0.06	0.05

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tblVehicleEF	LHD1	0.33	0.60
tblVehicleEF	LHD1	0.27	0.08
tblVehicleEF	LHD1	9.0000e-005	8.6000e-005
tblVehicleEF	LHD1	5.9300e-003	6.5150e-003
tblVehicleEF	LHD1	3.8600e-004	1.2400e-004
tblVehicleEF	LHD1	3.3080e-003	2.6900e-003
tblVehicleEF	LHD1	0.12	0.09
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.8850e-003	1.5400e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.33	0.60
tblVehicleEF	LHD1	0.29	0.09
tblVehicleEF	LHD2	4.0020e-003	3.9440e-003
tblVehicleEF	LHD2	4.2980e-003	3.9460e-003
tblVehicleEF	LHD2	8.5190e-003	0.01
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.34	0.44
tblVehicleEF	LHD2	1.37	0.77
tblVehicleEF	LHD2	13.57	13.40
tblVehicleEF	LHD2	617.83	668.37
tblVehicleEF	LHD2	27.88	9.65
tblVehicleEF	LHD2	0.09	0.08
tblVehicleEF	LHD2	0.65	0.81
tblVehicleEF	LHD2	0.55	0.23
tblVehicleEF	LHD2	1.1620e-003	1.2440e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8510e-003	9.8680e-003

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tblVehicleEF	LHD2	4.6900e-004	1.6300e-004
tblVehicleEF	LHD2	1.1110e-003	1.1900e-003
tblVehicleEF	LHD2	2.6540e-003	2.6300e-003
tblVehicleEF	LHD2	8.4540e-003	9.4240e-003
tblVehicleEF	LHD2	4.3100e-004	1.5000e-004
tblVehicleEF	LHD2	1.1380e-003	1.5770e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.4500e-004	9.7800e-004
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.08	0.35
tblVehicleEF	LHD2	0.11	0.06
tblVehicleEF	LHD2	1.3300e-004	1.2900e-004
tblVehicleEF	LHD2	6.0210e-003	6.4710e-003
tblVehicleEF	LHD2	3.0400e-004	9.5000e-005
tblVehicleEF	LHD2	1.1380e-003	1.5770e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.4500e-004	9.7800e-004
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.08	0.35
tblVehicleEF	LHD2	0.13	0.06
tblVehicleEF	LHD2	4.0020e-003	3.9530e-003
tblVehicleEF	LHD2	4.3570e-003	3.9910e-003
tblVehicleEF	LHD2	8.2260e-003	0.01
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.35	0.44

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tblVehicleEF	LHD2	1.31	0.74
tblVehicleEF	LHD2	13.57	13.40
tblVehicleEF	LHD2	617.83	668.38
tblVehicleEF	LHD2	27.88	9.59
tblVehicleEF	LHD2	0.09	0.08
tblVehicleEF	LHD2	0.61	0.76
tblVehicleEF	LHD2	0.53	0.22
tblVehicleEF	LHD2	1.1620e-003	1.2440e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8510e-003	9.8680e-003
tblVehicleEF	LHD2	4.6900e-004	1.6300e-004
tblVehicleEF	LHD2	1.1110e-003	1.1900e-003
tblVehicleEF	LHD2	2.6540e-003	2.6300e-003
tblVehicleEF	LHD2	8.4540e-003	9.4240e-003
tblVehicleEF	LHD2	4.3100e-004	1.5000e-004
tblVehicleEF	LHD2	1.6960e-003	2.3210e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.0400e-003	1.3550e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.08	0.34
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	1.3300e-004	1.2900e-004
tblVehicleEF	LHD2	6.0210e-003	6.4710e-003
tblVehicleEF	LHD2	3.0300e-004	9.5000e-005
tblVehicleEF	LHD2	1.6960e-003	2.3210e-003
tblVehicleEF	LHD2	0.04	0.06

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tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.0400e-003	1.3550e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.08	0.34
tblVehicleEF	LHD2	0.12	0.06
tblVehicleEF	LHD2	4.0020e-003	3.9420e-003
tblVehicleEF	LHD2	4.2820e-003	3.9330e-003
tblVehicleEF	LHD2	8.5780e-003	0.01
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.34	0.43
tblVehicleEF	LHD2	1.38	0.78
tblVehicleEF	LHD2	13.57	13.40
tblVehicleEF	LHD2	617.83	668.37
tblVehicleEF	LHD2	27.88	9.66
tblVehicleEF	LHD2	0.09	0.08
tblVehicleEF	LHD2	0.64	0.80
tblVehicleEF	LHD2	0.56	0.24
tblVehicleEF	LHD2	1.1620e-003	1.2440e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8510e-003	9.8680e-003
tblVehicleEF	LHD2	4.6900e-004	1.6300e-004
tblVehicleEF	LHD2	1.1110e-003	1.1900e-003
tblVehicleEF	LHD2	2.6540e-003	2.6300e-003
tblVehicleEF	LHD2	8.4540e-003	9.4240e-003
tblVehicleEF	LHD2	4.3100e-004	1.5000e-004
tblVehicleEF	LHD2	1.1610e-003	1.6340e-003
tblVehicleEF	LHD2	0.04	0.06

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tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.2300e-004	9.5000e-004
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.09	0.39
tblVehicleEF	LHD2	0.12	0.06
tblVehicleEF	LHD2	1.3300e-004	1.2900e-004
tblVehicleEF	LHD2	6.0210e-003	6.4710e-003
tblVehicleEF	LHD2	3.0400e-004	9.6000e-005
tblVehicleEF	LHD2	1.1610e-003	1.6340e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.2300e-004	9.5000e-004
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.09	0.39
tblVehicleEF	LHD2	0.13	0.06
tblVehicleEF	MCY	0.54	0.38
tblVehicleEF	MCY	0.15	0.23
tblVehicleEF	MCY	18.94	19.11
tblVehicleEF	MCY	9.66	8.52
tblVehicleEF	MCY	188.92	223.68
tblVehicleEF	MCY	44.52	59.56
tblVehicleEF	MCY	1.13	1.13
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	2.4360e-003	2.4430e-003
tblVehicleEF	MCY	3.8630e-003	3.2940e-003
tblVehicleEF	MCY	2.2770e-003	2.2830e-003
tblVehicleEF	MCY	3.6360e-003	3.1000e-003

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tblVehicleEF	MCY	1.06	1.08
tblVehicleEF	MCY	0.63	0.65
tblVehicleEF	MCY	0.65	0.66
tblVehicleEF	MCY	2.60	2.61
tblVehicleEF	MCY	0.60	1.98
tblVehicleEF	MCY	2.05	1.81
tblVehicleEF	MCY	2.2780e-003	2.2130e-003
tblVehicleEF	MCY	6.6300e-004	5.8900e-004
tblVehicleEF	MCY	1.06	1.08
tblVehicleEF	MCY	0.63	0.65
tblVehicleEF	MCY	0.65	0.66
tblVehicleEF	MCY	3.23	3.25
tblVehicleEF	MCY	0.60	1.98
tblVehicleEF	MCY	2.23	1.97
tblVehicleEF	MCY	0.53	0.37
tblVehicleEF	MCY	0.13	0.21
tblVehicleEF	MCY	18.24	18.37
tblVehicleEF	MCY	8.82	7.76
tblVehicleEF	MCY	188.92	222.28
tblVehicleEF	MCY	44.52	57.67
tblVehicleEF	MCY	0.99	0.99
tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	2.4360e-003	2.4430e-003
tblVehicleEF	MCY	3.8630e-003	3.2940e-003
tblVehicleEF	MCY	2.2770e-003	2.2830e-003
tblVehicleEF	MCY	3.6360e-003	3.1000e-003
tblVehicleEF	MCY	1.73	1.72

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tblVehicleEF	MCY	0.70	0.71
tblVehicleEF	MCY	1.07	1.07
tblVehicleEF	MCY	2.54	2.55
tblVehicleEF	MCY	0.56	1.86
tblVehicleEF	MCY	1.83	1.61
tblVehicleEF	MCY	2.2650e-003	2.2000e-003
tblVehicleEF	MCY	6.4300e-004	5.7100e-004
tblVehicleEF	MCY	1.73	1.72
tblVehicleEF	MCY	0.70	0.71
tblVehicleEF	MCY	1.07	1.07
tblVehicleEF	MCY	3.16	3.17
tblVehicleEF	MCY	0.56	1.86
tblVehicleEF	MCY	1.99	1.75
tblVehicleEF	MCY	0.54	0.38
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	19.04	19.25
tblVehicleEF	MCY	9.80	8.66
tblVehicleEF	MCY	188.92	223.96
tblVehicleEF	MCY	44.52	59.94
tblVehicleEF	MCY	1.11	1.11
tblVehicleEF	MCY	0.31	0.27
tblVehicleEF	MCY	2.4360e-003	2.4430e-003
tblVehicleEF	MCY	3.8630e-003	3.2940e-003
tblVehicleEF	MCY	2.2770e-003	2.2830e-003
tblVehicleEF	MCY	3.6360e-003	3.1000e-003
tblVehicleEF	MCY	1.16	1.18
tblVehicleEF	MCY	0.82	0.84

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tblVehicleEF	MCY	0.62	0.64
tblVehicleEF	MCY	2.61	2.63
tblVehicleEF	MCY	0.69	2.28
tblVehicleEF	MCY	2.09	1.86
tblVehicleEF	MCY	2.2800e-003	2.2160e-003
tblVehicleEF	MCY	6.6700e-004	5.9300e-004
tblVehicleEF	MCY	1.16	1.18
tblVehicleEF	MCY	0.82	0.84
tblVehicleEF	MCY	0.62	0.64
tblVehicleEF	MCY	3.25	3.26
tblVehicleEF	MCY	0.69	2.28
tblVehicleEF	MCY	2.28	2.02
tblVehicleEF	MDV	0.01	6.5350e-003
tblVehicleEF	MDV	0.01	0.08
tblVehicleEF	MDV	1.33	1.22
tblVehicleEF	MDV	2.48	3.10
tblVehicleEF	MDV	512.22	421.49
tblVehicleEF	MDV	103.14	83.59
tblVehicleEF	MDV	0.15	0.11
tblVehicleEF	MDV	0.22	0.34
tblVehicleEF	MDV	2.3560e-003	2.0880e-003
tblVehicleEF	MDV	2.5140e-003	2.0610e-003
tblVehicleEF	MDV	2.1720e-003	1.9250e-003
tblVehicleEF	MDV	2.3120e-003	1.8950e-003
tblVehicleEF	MDV	0.07	0.08
tblVehicleEF	MDV	0.15	0.14
tblVehicleEF	MDV	0.07	0.09

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tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.09	0.43
tblVehicleEF	MDV	0.19	0.40
tblVehicleEF	MDV	5.1310e-003	4.1410e-003
tblVehicleEF	MDV	1.0750e-003	8.2200e-004
tblVehicleEF	MDV	0.07	0.08
tblVehicleEF	MDV	0.15	0.14
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.09	0.43
tblVehicleEF	MDV	0.21	0.44
tblVehicleEF	MDV	0.01	6.9310e-003
tblVehicleEF	MDV	0.01	0.07
tblVehicleEF	MDV	1.45	1.32
tblVehicleEF	MDV	2.12	2.63
tblVehicleEF	MDV	534.67	433.96
tblVehicleEF	MDV	103.14	82.70
tblVehicleEF	MDV	0.13	0.10
tblVehicleEF	MDV	0.20	0.32
tblVehicleEF	MDV	2.3560e-003	2.0880e-003
tblVehicleEF	MDV	2.5140e-003	2.0610e-003
tblVehicleEF	MDV	2.1720e-003	1.9250e-003
tblVehicleEF	MDV	2.3120e-003	1.8950e-003
tblVehicleEF	MDV	0.10	0.13
tblVehicleEF	MDV	0.16	0.14
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.04	0.03

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tblVehicleEF	MDV	0.08	0.40
tblVehicleEF	MDV	0.17	0.36
tblVehicleEF	MDV	5.3570e-003	4.2630e-003
tblVehicleEF	MDV	1.0680e-003	8.1300e-004
tblVehicleEF	MDV	0.10	0.13
tblVehicleEF	MDV	0.16	0.15
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.08	0.40
tblVehicleEF	MDV	0.18	0.39
tblVehicleEF	MDV	0.01	6.4070e-003
tblVehicleEF	MDV	0.01	0.08
tblVehicleEF	MDV	1.29	1.18
tblVehicleEF	MDV	2.56	3.21
tblVehicleEF	MDV	503.99	416.89
tblVehicleEF	MDV	103.14	83.79
tblVehicleEF	MDV	0.14	0.11
tblVehicleEF	MDV	0.22	0.35
tblVehicleEF	MDV	2.3560e-003	2.0880e-003
tblVehicleEF	MDV	2.5140e-003	2.0610e-003
tblVehicleEF	MDV	2.1720e-003	1.9250e-003
tblVehicleEF	MDV	2.3120e-003	1.8950e-003
tblVehicleEF	MDV	0.06	0.08
tblVehicleEF	MDV	0.16	0.15
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.10	0.50

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tblVehicleEF	MDV	0.19	0.41
tblVehicleEF	MDV	5.0480e-003	4.0950e-003
tblVehicleEF	MDV	1.0760e-003	8.2400e-004
tblVehicleEF	MDV	0.06	0.08
tblVehicleEF	MDV	0.16	0.15
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.10	0.50
tblVehicleEF	MDV	0.21	0.45
tblVehicleEF	MH	0.03	3.1210e-003
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	2.24	0.27
tblVehicleEF	MH	5.78	0.00
tblVehicleEF	MH	1,130.03	965.33
tblVehicleEF	MH	60.43	0.00
tblVehicleEF	MH	1.08	3.43
tblVehicleEF	MH	0.80	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.02	0.07
tblVehicleEF	MH	1.1280e-003	0.00
tblVehicleEF	MH	3.2020e-003	4.0000e-003
tblVehicleEF	MH	0.02	0.07
tblVehicleEF	MH	1.0370e-003	0.00
tblVehicleEF	MH	0.95	0.00
tblVehicleEF	MH	0.07	0.00
tblVehicleEF	MH	0.41	0.00
tblVehicleEF	MH	0.09	0.07

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tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.33	0.00
tblVehicleEF	MH	0.01	9.1260e-003
tblVehicleEF	MH	7.0500e-004	0.00
tblVehicleEF	MH	0.95	0.00
tblVehicleEF	MH	0.07	0.00
tblVehicleEF	MH	0.41	0.00
tblVehicleEF	MH	0.12	0.08
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.36	0.00
tblVehicleEF	MH	0.03	3.1210e-003
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	2.30	0.27
tblVehicleEF	MH	5.44	0.00
tblVehicleEF	MH	1,130.03	965.33
tblVehicleEF	MH	60.43	0.00
tblVehicleEF	MH	0.99	3.24
tblVehicleEF	MH	0.76	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.02	0.07
tblVehicleEF	MH	1.1280e-003	0.00
tblVehicleEF	MH	3.2020e-003	4.0000e-003
tblVehicleEF	MH	0.02	0.07
tblVehicleEF	MH	1.0370e-003	0.00
tblVehicleEF	MH	1.41	0.00
tblVehicleEF	MH	0.07	0.00
tblVehicleEF	MH	0.58	0.00

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tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.31	0.00
tblVehicleEF	MH	0.01	9.1260e-003
tblVehicleEF	MH	6.9900e-004	0.00
tblVehicleEF	MH	1.41	0.00
tblVehicleEF	MH	0.07	0.00
tblVehicleEF	MH	0.58	0.00
tblVehicleEF	MH	0.12	0.08
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.34	0.00
tblVehicleEF	MH	0.03	3.1210e-003
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	2.22	0.27
tblVehicleEF	MH	5.83	0.00
tblVehicleEF	MH	1,130.03	965.33
tblVehicleEF	MH	60.43	0.00
tblVehicleEF	MH	1.06	3.37
tblVehicleEF	MH	0.80	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.02	0.07
tblVehicleEF	MH	1.1280e-003	0.00
tblVehicleEF	MH	3.2020e-003	4.0000e-003
tblVehicleEF	MH	0.02	0.07
tblVehicleEF	MH	1.0370e-003	0.00
tblVehicleEF	MH	1.08	0.00
tblVehicleEF	MH	0.08	0.00

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tblVehicleEF	MH	0.42	0.00
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.33	0.00
tblVehicleEF	MH	0.01	9.1260e-003
tblVehicleEF	MH	7.0600e-004	0.00
tblVehicleEF	MH	1.08	0.00
tblVehicleEF	MH	0.08	0.00
tblVehicleEF	MH	0.42	0.00
tblVehicleEF	MH	0.12	0.08
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.36	0.00
tblVehicleEF	MHD	0.02	4.4240e-003
tblVehicleEF	MHD	4.8560e-003	4.6020e-003
tblVehicleEF	MHD	0.05	0.01
tblVehicleEF	MHD	0.37	0.39
tblVehicleEF	MHD	0.37	0.47
tblVehicleEF	MHD	6.14	1.44
tblVehicleEF	MHD	132.92	67.32
tblVehicleEF	MHD	1,150.98	1,070.87
tblVehicleEF	MHD	63.58	12.17
tblVehicleEF	MHD	0.49	0.47
tblVehicleEF	MHD	1.14	1.63
tblVehicleEF	MHD	9.96	1.29
tblVehicleEF	MHD	2.4800e-004	1.0730e-003
tblVehicleEF	MHD	5.1090e-003	0.03
tblVehicleEF	MHD	8.4300e-004	1.3800e-004

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tblVehicleEF	MHD	2.3800e-004	1.0270e-003
tblVehicleEF	MHD	4.8830e-003	0.03
tblVehicleEF	MHD	7.7600e-004	1.2700e-004
tblVehicleEF	MHD	1.1350e-003	6.6800e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	7.4200e-004	4.3000e-004
tblVehicleEF	MHD	0.05	0.06
tblVehicleEF	MHD	0.02	0.14
tblVehicleEF	MHD	0.37	0.07
tblVehicleEF	MHD	1.2810e-003	6.4000e-004
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.4300e-004	1.2000e-004
tblVehicleEF	MHD	1.1350e-003	6.6800e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	7.4200e-004	4.3000e-004
tblVehicleEF	MHD	0.05	0.07
tblVehicleEF	MHD	0.02	0.14
tblVehicleEF	MHD	0.41	0.07
tblVehicleEF	MHD	0.02	4.1930e-003
tblVehicleEF	MHD	4.9280e-003	4.6540e-003
tblVehicleEF	MHD	0.05	0.01
tblVehicleEF	MHD	0.27	0.32
tblVehicleEF	MHD	0.38	0.48
tblVehicleEF	MHD	5.83	1.36
tblVehicleEF	MHD	140.78	68.14

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tblVehicleEF	MHD	1,150.98	1,070.88
tblVehicleEF	MHD	63.58	12.05
tblVehicleEF	MHD	0.51	0.48
tblVehicleEF	MHD	1.08	1.54
tblVehicleEF	MHD	9.92	1.28
tblVehicleEF	MHD	2.0900e-004	9.0700e-004
tblVehicleEF	MHD	5.1090e-003	0.03
tblVehicleEF	MHD	8.4300e-004	1.3800e-004
tblVehicleEF	MHD	2.0000e-004	8.6800e-004
tblVehicleEF	MHD	4.8830e-003	0.03
tblVehicleEF	MHD	7.7600e-004	1.2700e-004
tblVehicleEF	MHD	1.7000e-003	9.9300e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	1.0480e-003	6.0400e-004
tblVehicleEF	MHD	0.05	0.06
tblVehicleEF	MHD	0.02	0.14
tblVehicleEF	MHD	0.36	0.06
tblVehicleEF	MHD	1.3550e-003	6.4800e-004
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.3800e-004	1.1900e-004
tblVehicleEF	MHD	1.7000e-003	9.9300e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	1.0480e-003	6.0400e-004
tblVehicleEF	MHD	0.06	0.07
tblVehicleEF	MHD	0.02	0.14

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tblVehicleEF	MHD	0.39	0.07
tblVehicleEF	MHD	0.02	4.7550e-003
tblVehicleEF	MHD	4.8360e-003	4.5850e-003
tblVehicleEF	MHD	0.05	0.01
tblVehicleEF	MHD	0.52	0.49
tblVehicleEF	MHD	0.37	0.47
tblVehicleEF	MHD	6.20	1.45
tblVehicleEF	MHD	122.05	66.18
tblVehicleEF	MHD	1,150.98	1,070.87
tblVehicleEF	MHD	63.58	12.19
tblVehicleEF	MHD	0.47	0.47
tblVehicleEF	MHD	1.12	1.60
tblVehicleEF	MHD	9.97	1.29
tblVehicleEF	MHD	3.0200e-004	1.3020e-003
tblVehicleEF	MHD	5.1090e-003	0.03
tblVehicleEF	MHD	8.4300e-004	1.3800e-004
tblVehicleEF	MHD	2.8900e-004	1.2460e-003
tblVehicleEF	MHD	4.8830e-003	0.03
tblVehicleEF	MHD	7.7600e-004	1.2700e-004
tblVehicleEF	MHD	1.1690e-003	6.9100e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	7.2400e-004	4.2100e-004
tblVehicleEF	MHD	0.05	0.06
tblVehicleEF	MHD	0.02	0.16
tblVehicleEF	MHD	0.38	0.07
tblVehicleEF	MHD	1.1790e-003	6.2900e-004

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tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.4400e-004	1.2100e-004
tblVehicleEF	MHD	1.1690e-003	6.9100e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	7.2400e-004	4.2100e-004
tblVehicleEF	MHD	0.05	0.07
tblVehicleEF	MHD	0.02	0.16
tblVehicleEF	MHD	0.41	0.07
tblVehicleEF	OBUS	0.01	8.4750e-003
tblVehicleEF	OBUS	7.7220e-003	6.9630e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.28	0.60
tblVehicleEF	OBUS	0.53	0.78
tblVehicleEF	OBUS	5.41	2.39
tblVehicleEF	OBUS	112.13	94.21
tblVehicleEF	OBUS	1,260.49	1,391.50
tblVehicleEF	OBUS	67.92	19.24
tblVehicleEF	OBUS	0.51	0.46
tblVehicleEF	OBUS	1.55	1.57
tblVehicleEF	OBUS	2.60	0.75
tblVehicleEF	OBUS	1.1400e-004	7.8900e-004
tblVehicleEF	OBUS	7.4300e-003	0.02
tblVehicleEF	OBUS	8.0700e-004	1.9700e-004
tblVehicleEF	OBUS	1.0900e-004	7.5500e-004
tblVehicleEF	OBUS	7.0930e-003	0.02
tblVehicleEF	OBUS	7.4200e-004	1.8100e-004

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tblVehicleEF	OBUS	1.4340e-003	1.8390e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	7.6800e-004	9.4100e-004
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	0.04	0.26
tblVehicleEF	OBUS	0.34	0.11
tblVehicleEF	OBUS	1.0820e-003	8.9600e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.7400e-004	1.9000e-004
tblVehicleEF	OBUS	1.4340e-003	1.8390e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	7.6800e-004	9.4100e-004
tblVehicleEF	OBUS	0.08	0.08
tblVehicleEF	OBUS	0.04	0.26
tblVehicleEF	OBUS	0.37	0.13
tblVehicleEF	OBUS	0.01	8.5340e-003
tblVehicleEF	OBUS	7.8490e-003	7.0850e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.27	0.58
tblVehicleEF	OBUS	0.54	0.80
tblVehicleEF	OBUS	5.11	2.26
tblVehicleEF	OBUS	117.81	94.08
tblVehicleEF	OBUS	1,260.49	1,391.52
tblVehicleEF	OBUS	67.92	19.02
tblVehicleEF	OBUS	0.53	0.45

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tblVehicleEF	OBUS	1.46	1.48
tblVehicleEF	OBUS	2.57	0.74
tblVehicleEF	OBUS	9.6000e-005	6.7100e-004
tblVehicleEF	OBUS	7.4300e-003	0.02
tblVehicleEF	OBUS	8.0700e-004	1.9700e-004
tblVehicleEF	OBUS	9.2000e-005	6.4200e-004
tblVehicleEF	OBUS	7.0930e-003	0.02
tblVehicleEF	OBUS	7.4200e-004	1.8100e-004
tblVehicleEF	OBUS	2.1010e-003	2.6500e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	1.0830e-003	1.3070e-003
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	0.04	0.26
tblVehicleEF	OBUS	0.32	0.11
tblVehicleEF	OBUS	1.1360e-003	8.9500e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.6900e-004	1.8800e-004
tblVehicleEF	OBUS	2.1010e-003	2.6500e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	1.0830e-003	1.3070e-003
tblVehicleEF	OBUS	0.08	0.08
tblVehicleEF	OBUS	0.04	0.26
tblVehicleEF	OBUS	0.35	0.12
tblVehicleEF	OBUS	0.01	8.4130e-003
tblVehicleEF	OBUS	7.6880e-003	6.9290e-003

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tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.30	0.61
tblVehicleEF	OBUS	0.53	0.78
tblVehicleEF	OBUS	5.47	2.42
tblVehicleEF	OBUS	104.30	94.40
tblVehicleEF	OBUS	1,260.49	1,391.49
tblVehicleEF	OBUS	67.92	19.29
tblVehicleEF	OBUS	0.49	0.47
tblVehicleEF	OBUS	1.52	1.55
tblVehicleEF	OBUS	2.61	0.76
tblVehicleEF	OBUS	1.3900e-004	9.5300e-004
tblVehicleEF	OBUS	7.4300e-003	0.02
tblVehicleEF	OBUS	8.0700e-004	1.9700e-004
tblVehicleEF	OBUS	1.3300e-004	9.1200e-004
tblVehicleEF	OBUS	7.0930e-003	0.02
tblVehicleEF	OBUS	7.4200e-004	1.8100e-004
tblVehicleEF	OBUS	1.4690e-003	1.9220e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	7.4700e-004	9.2400e-004
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	0.04	0.28
tblVehicleEF	OBUS	0.34	0.12
tblVehicleEF	OBUS	1.0070e-003	8.9800e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.7500e-004	1.9100e-004
tblVehicleEF	OBUS	1.4690e-003	1.9220e-003

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tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.06	0.07
tblVehicleEF	OBUS	7.4700e-004	9.2400e-004
tblVehicleEF	OBUS	0.08	0.08
tblVehicleEF	OBUS	0.04	0.28
tblVehicleEF	OBUS	0.37	0.13
tblVehicleEF	SBUS	0.84	0.07
tblVehicleEF	SBUS	0.01	7.0600e-003
tblVehicleEF	SBUS	0.06	6.7770e-003
tblVehicleEF	SBUS	8.15	2.99
tblVehicleEF	SBUS	0.72	0.60
tblVehicleEF	SBUS	7.31	0.93
tblVehicleEF	SBUS	1,121.00	354.63
tblVehicleEF	SBUS	1,079.30	1,100.97
tblVehicleEF	SBUS	55.06	5.73
tblVehicleEF	SBUS	9.20	3.14
tblVehicleEF	SBUS	4.17	4.65
tblVehicleEF	SBUS	12.12	0.90
tblVehicleEF	SBUS	9.3410e-003	3.9540e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	8.1500e-004	5.5000e-005
tblVehicleEF	SBUS	8.9370e-003	3.7830e-003
tblVehicleEF	SBUS	2.6670e-003	2.6630e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	7.5000e-004	5.1000e-005
tblVehicleEF	SBUS	3.3650e-003	9.8900e-004

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tblVehicleEF	SBUS	0.03	8.5880e-003
tblVehicleEF	SBUS	0.97	0.34
tblVehicleEF	SBUS	1.7650e-003	5.2700e-004
tblVehicleEF	SBUS	0.10	0.09
tblVehicleEF	SBUS	0.01	0.06
tblVehicleEF	SBUS	0.38	0.04
tblVehicleEF	SBUS	0.01	3.3860e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.7700e-004	5.7000e-005
tblVehicleEF	SBUS	3.3650e-003	9.8900e-004
tblVehicleEF	SBUS	0.03	8.5880e-003
tblVehicleEF	SBUS	1.40	0.49
tblVehicleEF	SBUS	1.7650e-003	5.2700e-004
tblVehicleEF	SBUS	0.13	0.11
tblVehicleEF	SBUS	0.01	0.06
tblVehicleEF	SBUS	0.42	0.04
tblVehicleEF	SBUS	0.84	0.07
tblVehicleEF	SBUS	0.01	7.1400e-003
tblVehicleEF	SBUS	0.06	6.0470e-003
tblVehicleEF	SBUS	8.04	2.95
tblVehicleEF	SBUS	0.73	0.61
tblVehicleEF	SBUS	5.94	0.76
tblVehicleEF	SBUS	1,171.46	362.29
tblVehicleEF	SBUS	1,079.30	1,100.99
tblVehicleEF	SBUS	55.06	5.44
tblVehicleEF	SBUS	9.50	3.21
tblVehicleEF	SBUS	3.93	4.39

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tblVehicleEF	SBUS	12.09	0.90
tblVehicleEF	SBUS	7.8750e-003	3.3400e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	8.1500e-004	5.5000e-005
tblVehicleEF	SBUS	7.5340e-003	3.1960e-003
tblVehicleEF	SBUS	2.6670e-003	2.6630e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	7.5000e-004	5.1000e-005
tblVehicleEF	SBUS	4.9570e-003	1.4290e-003
tblVehicleEF	SBUS	0.03	8.7250e-003
tblVehicleEF	SBUS	0.97	0.34
tblVehicleEF	SBUS	2.5080e-003	7.3100e-004
tblVehicleEF	SBUS	0.10	0.09
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.34	0.03
tblVehicleEF	SBUS	0.01	3.4580e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.5400e-004	5.4000e-005
tblVehicleEF	SBUS	4.9570e-003	1.4290e-003
tblVehicleEF	SBUS	0.03	8.7250e-003
tblVehicleEF	SBUS	1.40	0.49
tblVehicleEF	SBUS	2.5080e-003	7.3100e-004
tblVehicleEF	SBUS	0.13	0.11
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.37	0.04
tblVehicleEF	SBUS	0.84	0.07

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tblVehicleEF	SBUS	0.01	7.0350e-003
tblVehicleEF	SBUS	0.07	6.9450e-003
tblVehicleEF	SBUS	8.31	3.04
tblVehicleEF	SBUS	0.72	0.60
tblVehicleEF	SBUS	7.56	0.96
tblVehicleEF	SBUS	1,051.30	344.05
tblVehicleEF	SBUS	1,079.30	1,100.97
tblVehicleEF	SBUS	55.06	5.78
tblVehicleEF	SBUS	8.80	3.05
tblVehicleEF	SBUS	4.10	4.57
tblVehicleEF	SBUS	12.13	0.90
tblVehicleEF	SBUS	0.01	4.8000e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	8.1500e-004	5.5000e-005
tblVehicleEF	SBUS	0.01	4.5930e-003
tblVehicleEF	SBUS	2.6670e-003	2.6630e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	7.5000e-004	5.1000e-005
tblVehicleEF	SBUS	3.4320e-003	1.0030e-003
tblVehicleEF	SBUS	0.03	9.0230e-003
tblVehicleEF	SBUS	0.98	0.34
tblVehicleEF	SBUS	1.6940e-003	5.0600e-004
tblVehicleEF	SBUS	0.10	0.09
tblVehicleEF	SBUS	0.02	0.07
tblVehicleEF	SBUS	0.39	0.04
tblVehicleEF	SBUS	0.01	3.2860e-003

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tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.8100e-004	5.7000e-005
tblVehicleEF	SBUS	3.4320e-003	1.0030e-003
tblVehicleEF	SBUS	0.03	9.0230e-003
tblVehicleEF	SBUS	1.41	0.49
tblVehicleEF	SBUS	1.6940e-003	5.0600e-004
tblVehicleEF	SBUS	0.13	0.11
tblVehicleEF	SBUS	0.02	0.07
tblVehicleEF	SBUS	0.43	0.04
tblVehicleEF	UBUS	2.61	5.85
tblVehicleEF	UBUS	0.05	0.01
tblVehicleEF	UBUS	11.22	45.42
tblVehicleEF	UBUS	8.87	0.71
tblVehicleEF	UBUS	1,968.89	1,991.58
tblVehicleEF	UBUS	96.56	8.61
tblVehicleEF	UBUS	9.98	0.47
tblVehicleEF	UBUS	15.36	0.08
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.13	3.1840e-003
tblVehicleEF	UBUS	1.0870e-003	4.6000e-005
tblVehicleEF	UBUS	0.26	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9690e-003
tblVehicleEF	UBUS	0.13	3.0430e-003
tblVehicleEF	UBUS	9.9900e-004	4.3000e-005
tblVehicleEF	UBUS	4.1440e-003	6.6500e-004
tblVehicleEF	UBUS	0.07	8.4730e-003

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tblVehicleEF	UBUS	2.3870e-003	4.9100e-004
tblVehicleEF	UBUS	0.85	0.09
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.68	0.05
tblVehicleEF	UBUS	9.8600e-003	1.4410e-003
tblVehicleEF	UBUS	1.1250e-003	8.5000e-005
tblVehicleEF	UBUS	4.1440e-003	6.6500e-004
tblVehicleEF	UBUS	0.07	8.4730e-003
tblVehicleEF	UBUS	2.3870e-003	4.9100e-004
tblVehicleEF	UBUS	3.56	5.97
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.74	0.05
tblVehicleEF	UBUS	2.61	5.85
tblVehicleEF	UBUS	0.05	0.01
tblVehicleEF	UBUS	11.27	45.42
tblVehicleEF	UBUS	7.69	0.63
tblVehicleEF	UBUS	1,968.89	1,991.58
tblVehicleEF	UBUS	96.56	8.46
tblVehicleEF	UBUS	9.41	0.47
tblVehicleEF	UBUS	15.31	0.08
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.13	3.1840e-003
tblVehicleEF	UBUS	1.0870e-003	4.6000e-005
tblVehicleEF	UBUS	0.26	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9690e-003
tblVehicleEF	UBUS	0.13	3.0430e-003

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tblVehicleEF	UBUS	9.9900e-004	4.3000e-005
tblVehicleEF	UBUS	5.9080e-003	9.6200e-004
tblVehicleEF	UBUS	0.07	8.7330e-003
tblVehicleEF	UBUS	3.2830e-003	6.7600e-004
tblVehicleEF	UBUS	0.86	0.09
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.62	0.04
tblVehicleEF	UBUS	9.8610e-003	1.4410e-003
tblVehicleEF	UBUS	1.1050e-003	8.4000e-005
tblVehicleEF	UBUS	5.9080e-003	9.6200e-004
tblVehicleEF	UBUS	0.07	8.7330e-003
tblVehicleEF	UBUS	3.2830e-003	6.7600e-004
tblVehicleEF	UBUS	3.57	5.97
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.68	0.05
tblVehicleEF	UBUS	2.61	5.85
tblVehicleEF	UBUS	0.05	0.01
tblVehicleEF	UBUS	11.21	45.42
tblVehicleEF	UBUS	9.08	0.73
tblVehicleEF	UBUS	1,968.89	1,991.58
tblVehicleEF	UBUS	96.56	8.64
tblVehicleEF	UBUS	9.79	0.47
tblVehicleEF	UBUS	15.38	0.09
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.13	3.1840e-003
tblVehicleEF	UBUS	1.0870e-003	4.6000e-005

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tblVehicleEF	UBUS	0.26	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9690e-003
tblVehicleEF	UBUS	0.13	3.0430e-003
tblVehicleEF	UBUS	9.9900e-004	4.3000e-005
tblVehicleEF	UBUS	4.7000e-003	6.4800e-004
tblVehicleEF	UBUS	0.08	9.0360e-003
tblVehicleEF	UBUS	2.5010e-003	4.6600e-004
tblVehicleEF	UBUS	0.85	0.09
tblVehicleEF	UBUS	0.03	0.07
tblVehicleEF	UBUS	0.69	0.05
tblVehicleEF	UBUS	9.8590e-003	1.4410e-003
tblVehicleEF	UBUS	1.1290e-003	8.5000e-005
tblVehicleEF	UBUS	4.7000e-003	6.4800e-004
tblVehicleEF	UBUS	0.08	9.0360e-003
tblVehicleEF	UBUS	2.5010e-003	4.6600e-004
tblVehicleEF	UBUS	3.55	5.97
tblVehicleEF	UBUS	0.03	0.07
tblVehicleEF	UBUS	0.75	0.05
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TTP	48.00	0.00
tblVehicleTrips	CC_TTP	28.00	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00

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tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	13.00	0.00
tblVehicleTrips	CNW_TTP	41.00	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TTP	33.00	0.00
tblVehicleTrips	CW_TTP	59.00	0.00
tblVehicleTrips	CW_TTP	59.00	0.00
tblVehicleTrips	DV_TP	28.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	6.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	66.00	0.00
tblVehicleTrips	PR_TP	92.00	0.00
tblVehicleTrips	PR_TP	92.00	0.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	1.32	0.00
tblVehicleTrips	ST_TR	1.68	0.00
tblVehicleTrips	SU_TR	16.74	0.00

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tblVehicleTrips	SU_TR	0.68	0.00
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	6.97	0.00
tblVehicleTrips	WD_TR	1.68	0.00
tblWater	IndoorWaterUseRate	14,291,250.00	0.00
tblWater	IndoorWaterUseRate	14,291,250.00	0.00
tblWater	OutdoorWaterUseRate	965,099.89	0.00

2.0 Emissions Summary

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Annual

2.1 Overall Construction**Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.1308	1.4238	0.7552	1.9800e-003	0.2909	0.0584	0.3494	0.1034	0.0542	0.1576	0.0000	176.4682	176.4682	0.0406	0.0000	177.4829
2022	0.9339	3.8839	2.8198	8.0300e-003	0.2198	0.1473	0.3670	0.0591	0.1375	0.1966	0.0000	716.8452	716.8452	0.1277	0.0000	720.0378
Maximum	0.9339	3.8839	2.8198	8.0300e-003	0.2909	0.1473	0.3670	0.1034	0.1375	0.1966	0.0000	716.8452	716.8452	0.1277	0.0000	720.0378

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.1308	1.4238	0.7552	1.9800e-003	0.1282	0.0584	0.1866	0.0443	0.0542	0.0985	0.0000	176.4680	176.4680	0.0406	0.0000	177.4827
2022	0.9339	3.8839	2.8198	8.0300e-003	0.2198	0.1473	0.3670	0.0591	0.1375	0.1966	0.0000	716.8447	716.8447	0.1277	0.0000	720.0372
Maximum	0.9339	3.8839	2.8198	8.0300e-003	0.2198	0.1473	0.3670	0.0591	0.1375	0.1966	0.0000	716.8447	716.8447	0.1277	0.0000	720.0372

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	31.87	0.00	22.72	36.37	0.00	16.69	0.00	0.00	0.00	0.00	0.00	0.00

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Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	10-4-2021	1-3-2022	1.5628	1.5628
2	1-4-2022	4-3-2022	1.2294	1.2294
3	4-4-2022	7-3-2022	1.2397	1.2397
4	7-4-2022	9-30-2022	1.2124	1.2124
		Highest	1.5628	1.5628

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	6.6000e-004	6.0000e-005	7.0600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0137	0.0137	4.0000e-005	0.0000	0.0146
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	6.6000e-004	6.0000e-005	7.0600e-003	0.0000	0.0000	3.0000e-005	3.0000e-005	0.0000	3.0000e-005	3.0000e-005	0.0000	0.0137	0.0137	4.0000e-005	0.0000	0.0146

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Annual

2.2 Overall Operational**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	6.6000e-004	6.0000e-005	7.0600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0137	0.0137	4.0000e-005	0.0000	0.0146
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	6.6000e-004	6.0000e-005	7.0600e-003	0.0000	0.0000	3.0000e-005	3.0000e-005	0.0000	3.0000e-005	3.0000e-005	0.0000	0.0137	0.0137	4.0000e-005	0.0000	0.0146

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail**Construction Phase**

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Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	10/4/2021	10/29/2021	5	20	
2	Site Preparation	Site Preparation	10/30/2021	11/12/2021	5	10	
3	Grading	Grading	11/13/2021	12/10/2021	5	20	
4	Building Construction	Building Construction	12/11/2021	10/28/2022	5	230	
5	Architectural Coating	Architectural Coating	10/1/2022	11/25/2022	5	40	
6	Paving	Paving	10/29/2022	11/25/2022	5	20	

Acres of Grading (Site Preparation Phase): 50

Acres of Grading (Grading Phase): 100

Acres of Paving: 2.65

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 185,393; Non-Residential Outdoor: 61,798; Striped Parking Area: 12,134
(Architectural Coating – sqft)

OffRoad Equipment

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Crushing/Proc. Equipment	1	8.00	85	0.78
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Crawler Tractors	4	8.00	212	0.43
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Grading	Crawler Tractors	3	8.00	212	0.43
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Crawler Tractors	3	8.00	212	0.43
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	8.00	78	0.48
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38

Trips and VMT

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Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	7	18.00	4.00	339.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	5.00	135.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	152.00	48.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	30.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0367	0.0000	0.0367	5.5600e-003	0.0000	5.5600e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0368	0.3494	0.2590	4.6000e-004		0.0176	0.0176		0.0165	0.0165	0.0000	40.0293	40.0293	9.9800e-003	0.0000	40.2789
Total	0.0368	0.3494	0.2590	4.6000e-004	0.0367	0.0176	0.0543	5.5600e-003	0.0165	0.0221	0.0000	40.0293	40.0293	9.9800e-003	0.0000	40.2789

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3.2 Demolition - 2021**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.4300e-003	0.0469	0.0109	1.3000e-004	2.9100e-003	1.4000e-004	3.0500e-003	8.0000e-004	1.3000e-004	9.3000e-004	0.0000	12.9209	12.9209	9.0000e-004	0.0000	12.9433
Vendor	1.2000e-004	3.9500e-003	1.0700e-003	1.0000e-005	2.5000e-004	1.0000e-005	2.6000e-004	7.0000e-005	1.0000e-005	8.0000e-005	0.0000	0.9860	0.9860	6.0000e-005	0.0000	0.9875
Worker	7.7000e-004	6.0000e-004	6.8100e-003	2.0000e-005	1.9700e-003	2.0000e-005	1.9900e-003	5.2000e-004	1.0000e-005	5.4000e-004	0.0000	1.7801	1.7801	5.0000e-005	0.0000	1.7814
Total	2.3200e-003	0.0515	0.0188	1.6000e-004	5.1300e-003	1.7000e-004	5.3000e-003	1.3900e-003	1.5000e-004	1.5500e-003	0.0000	15.6870	15.6870	1.0100e-003	0.0000	15.7122

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0143	0.0000	0.0143	2.1700e-003	0.0000	2.1700e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0368	0.3494	0.2590	4.6000e-004		0.0176	0.0176		0.0165	0.0165	0.0000	40.0293	40.0293	9.9800e-003	0.0000	40.2788
Total	0.0368	0.3494	0.2590	4.6000e-004	0.0143	0.0176	0.0319	2.1700e-003	0.0165	0.0187	0.0000	40.0293	40.0293	9.9800e-003	0.0000	40.2788

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3.2 Demolition - 2021**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.4300e-003	0.0469	0.0109	1.3000e-004	2.9100e-003	1.4000e-004	3.0500e-003	8.0000e-004	1.3000e-004	9.3000e-004	0.0000	12.9209	12.9209	9.0000e-004	0.0000	12.9433
Vendor	1.2000e-004	3.9500e-003	1.0700e-003	1.0000e-005	2.5000e-004	1.0000e-005	2.6000e-004	7.0000e-005	1.0000e-005	8.0000e-005	0.0000	0.9860	0.9860	6.0000e-005	0.0000	0.9875
Worker	7.7000e-004	6.0000e-004	6.8100e-003	2.0000e-005	1.9700e-003	2.0000e-005	1.9900e-003	5.2000e-004	1.0000e-005	5.4000e-004	0.0000	1.7801	1.7801	5.0000e-005	0.0000	1.7814
Total	2.3200e-003	0.0515	0.0188	1.6000e-004	5.1300e-003	1.7000e-004	5.3000e-003	1.3900e-003	1.5000e-004	1.5500e-003	0.0000	15.6870	15.6870	1.0100e-003	0.0000	15.7122

3.3 Site Preparation - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1168	0.0000	0.1168	0.0525	0.0000	0.0525	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0267	0.3039	0.1093	2.8000e-004		0.0132	0.0132		0.0122	0.0122	0.0000	25.0542	25.0542	8.1000e-003	0.0000	25.2568
Total	0.0267	0.3039	0.1093	2.8000e-004	0.1168	0.0132	0.1301	0.0525	0.0122	0.0647	0.0000	25.0542	25.0542	8.1000e-003	0.0000	25.2568

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3.3 Site Preparation - 2021**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.0000e-005	9.9000e-004	2.7000e-004	0.0000	6.0000e-005	0.0000	7.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.2465	0.2465	2.0000e-005	0.0000	0.2469
Worker	3.9000e-004	3.0000e-004	3.4000e-003	1.0000e-005	9.9000e-004	1.0000e-005	9.9000e-004	2.6000e-004	1.0000e-005	2.7000e-004	0.0000	0.8900	0.8900	3.0000e-005	0.0000	0.8907
Total	4.2000e-004	1.2900e-003	3.6700e-003	1.0000e-005	1.0500e-003	1.0000e-005	1.0600e-003	2.8000e-004	1.0000e-005	2.9000e-004	0.0000	1.1365	1.1365	5.0000e-005	0.0000	1.1376

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0456	0.0000	0.0456	0.0205	0.0000	0.0205	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0267	0.3039	0.1093	2.8000e-004		0.0132	0.0132		0.0122	0.0122	0.0000	25.0542	25.0542	8.1000e-003	0.0000	25.2567
Total	0.0267	0.3039	0.1093	2.8000e-004	0.0456	0.0132	0.0588	0.0205	0.0122	0.0327	0.0000	25.0542	25.0542	8.1000e-003	0.0000	25.2567

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3.3 Site Preparation - 2021**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.0000e-005	9.9000e-004	2.7000e-004	0.0000	6.0000e-005	0.0000	7.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.2465	0.2465	2.0000e-005	0.0000	0.2469
Worker	3.9000e-004	3.0000e-004	3.4000e-003	1.0000e-005	9.9000e-004	1.0000e-005	9.9000e-004	2.6000e-004	1.0000e-005	2.7000e-004	0.0000	0.8900	0.8900	3.0000e-005	0.0000	0.8907
Total	4.2000e-004	1.2900e-003	3.6700e-003	1.0000e-005	1.0500e-003	1.0000e-005	1.0600e-003	2.8000e-004	1.0000e-005	2.9000e-004	0.0000	1.1365	1.1365	5.0000e-005	0.0000	1.1376

3.4 Grading - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1133	0.0000	0.1133	0.0388	0.0000	0.0388	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0338	0.3995	0.1638	4.4000e-004		0.0161	0.0161		0.0148	0.0148	0.0000	38.5582	38.5582	0.0125	0.0000	38.8700
Total	0.0338	0.3995	0.1638	4.4000e-004	0.1133	0.0161	0.1294	0.0388	0.0148	0.0537	0.0000	38.5582	38.5582	0.0125	0.0000	38.8700

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3.4 Grading - 2021**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	5.7000e-004	0.0187	4.3600e-003	5.0000e-005	1.1600e-003	6.0000e-005	1.2200e-003	3.2000e-004	5.0000e-005	3.7000e-004	0.0000	5.1455	5.1455	3.6000e-004	0.0000	5.1544
Vendor	1.6000e-004	4.9300e-003	1.3400e-003	1.0000e-005	3.1000e-004	1.0000e-005	3.3000e-004	9.0000e-005	1.0000e-005	1.0000e-004	0.0000	1.2325	1.2325	8.0000e-005	0.0000	1.2344
Worker	6.5000e-004	5.0000e-004	5.6700e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.4834	1.4834	4.0000e-005	0.0000	1.4845
Total	1.3800e-003	0.0241	0.0114	8.0000e-005	3.1100e-003	8.0000e-005	3.2100e-003	8.5000e-004	7.0000e-005	9.2000e-004	0.0000	7.8614	7.8614	4.8000e-004	0.0000	7.8733

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0442	0.0000	0.0442	0.0152	0.0000	0.0152	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0338	0.3995	0.1638	4.4000e-004		0.0161	0.0161		0.0148	0.0148	0.0000	38.5582	38.5582	0.0125	0.0000	38.8699
Total	0.0338	0.3995	0.1638	4.4000e-004	0.0442	0.0161	0.0603	0.0152	0.0148	0.0300	0.0000	38.5582	38.5582	0.0125	0.0000	38.8699

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3.4 Grading - 2021**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	5.7000e-004	0.0187	4.3600e-003	5.0000e-005	1.1600e-003	6.0000e-005	1.2200e-003	3.2000e-004	5.0000e-005	3.7000e-004	0.0000	5.1455	5.1455	3.6000e-004	0.0000	5.1544
Vendor	1.6000e-004	4.9300e-003	1.3400e-003	1.0000e-005	3.1000e-004	1.0000e-005	3.3000e-004	9.0000e-005	1.0000e-005	1.0000e-004	0.0000	1.2325	1.2325	8.0000e-005	0.0000	1.2344
Worker	6.5000e-004	5.0000e-004	5.6700e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.4834	1.4834	4.0000e-005	0.0000	1.4845
Total	1.3800e-003	0.0241	0.0114	8.0000e-005	3.1100e-003	8.0000e-005	3.2100e-003	8.5000e-004	7.0000e-005	9.2000e-004	0.0000	7.8614	7.8614	4.8000e-004	0.0000	7.8733

3.5 Building Construction - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0234	0.2547	0.1365	3.2000e-004		0.0111	0.0111		0.0103	0.0103	0.0000	27.9941	27.9941	7.6300e-003	0.0000	28.1848
Total	0.0234	0.2547	0.1365	3.2000e-004		0.0111	0.0111		0.0103	0.0103	0.0000	27.9941	27.9941	7.6300e-003	0.0000	28.1848

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3.5 Building Construction - 2021**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.1200e-003	0.0355	9.6300e-003	9.0000e-005	2.2700e-003	7.0000e-005	2.3400e-003	6.5000e-004	7.0000e-005	7.2000e-004	0.0000	8.8739	8.8739	5.4000e-004	0.0000	8.8875
Worker	4.9100e-003	3.8200e-003	0.0431	1.2000e-004	0.0125	1.0000e-004	0.0126	3.3200e-003	9.0000e-005	3.4100e-003	0.0000	11.2737	11.2737	3.3000e-004	0.0000	11.2820
Total	6.0300e-003	0.0394	0.0527	2.1000e-004	0.0148	1.7000e-004	0.0149	3.9700e-003	1.6000e-004	4.1300e-003	0.0000	20.1475	20.1475	8.7000e-004	0.0000	20.1694

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0234	0.2547	0.1365	3.2000e-004		0.0111	0.0111		0.0103	0.0103	0.0000	27.9941	27.9941	7.6300e-003	0.0000	28.1847
Total	0.0234	0.2547	0.1365	3.2000e-004		0.0111	0.0111		0.0103	0.0103	0.0000	27.9941	27.9941	7.6300e-003	0.0000	28.1847

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3.5 Building Construction - 2021**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.1200e-003	0.0355	9.6300e-003	9.0000e-005	2.2700e-003	7.0000e-005	2.3400e-003	6.5000e-004	7.0000e-005	7.2000e-004	0.0000	8.8739	8.8739	5.4000e-004	0.0000	8.8875
Worker	4.9100e-003	3.8200e-003	0.0431	1.2000e-004	0.0125	1.0000e-004	0.0126	3.3200e-003	9.0000e-005	3.4100e-003	0.0000	11.2737	11.2737	3.3000e-004	0.0000	11.2820
Total	6.0300e-003	0.0394	0.0527	2.1000e-004	0.0148	1.7000e-004	0.0149	3.9700e-003	1.6000e-004	4.1300e-003	0.0000	20.1475	20.1475	8.7000e-004	0.0000	20.1694

3.5 Building Construction - 2022**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3006	3.1996	1.8995	4.6200e-003		0.1370	0.1370		0.1278	0.1278	0.0000	400.8688	400.8688	0.1088	0.0000	403.5879
Total	0.3006	3.1996	1.8995	4.6200e-003		0.1370	0.1370		0.1278	0.1278	0.0000	400.8688	400.8688	0.1088	0.0000	403.5879

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3.5 Building Construction - 2022**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0150	0.4838	0.1306	1.3000e-003	0.0325	9.1000e-004	0.0334	9.3800e-003	8.7000e-004	0.0103	0.0000	126.0751	126.0751	7.5300e-003	0.0000	126.2633
Worker	0.0659	0.0494	0.5693	1.7200e-003	0.1791	1.4300e-003	0.1805	0.0476	1.3200e-003	0.0489	0.0000	155.9089	155.9089	4.2900e-003	0.0000	156.0162
Total	0.0810	0.5333	0.7000	3.0200e-003	0.2116	2.3400e-003	0.2139	0.0569	2.1900e-003	0.0591	0.0000	281.9840	281.9840	0.0118	0.0000	282.2796

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3006	3.1996	1.8995	4.6200e-003		0.1370	0.1370		0.1278	0.1278	0.0000	400.8683	400.8683	0.1088	0.0000	403.5874
Total	0.3006	3.1996	1.8995	4.6200e-003		0.1370	0.1370		0.1278	0.1278	0.0000	400.8683	400.8683	0.1088	0.0000	403.5874

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3.5 Building Construction - 2022**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0150	0.4838	0.1306	1.3000e-003	0.0325	9.1000e-004	0.0334	9.3800e-003	8.7000e-004	0.0103	0.0000	126.0751	126.0751	7.5300e-003	0.0000	126.2633
Worker	0.0659	0.0494	0.5693	1.7200e-003	0.1791	1.4300e-003	0.1805	0.0476	1.3200e-003	0.0489	0.0000	155.9089	155.9089	4.2900e-003	0.0000	156.0162
Total	0.0810	0.5333	0.7000	3.0200e-003	0.2116	2.3400e-003	0.2139	0.0569	2.1900e-003	0.0591	0.0000	281.9840	281.9840	0.0118	0.0000	282.2796

3.6 Architectural Coating - 2022**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.5294					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.4500e-003	0.0376	0.0484	8.0000e-005		2.1800e-003	2.1800e-003		2.1800e-003	2.1800e-003	0.0000	6.8087	6.8087	4.4000e-004	0.0000	6.8198
Total	0.5348	0.0376	0.0484	8.0000e-005		2.1800e-003	2.1800e-003		2.1800e-003	2.1800e-003	0.0000	6.8087	6.8087	4.4000e-004	0.0000	6.8198

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3.6 Architectural Coating - 2022**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.4200e-003	1.8200e-003	0.0209	6.0000e-005	6.5700e-003	5.0000e-005	6.6300e-003	1.7500e-003	5.0000e-005	1.7900e-003	0.0000	5.7249	5.7249	1.6000e-004	0.0000	5.7289
Total	2.4200e-003	1.8200e-003	0.0209	6.0000e-005	6.5700e-003	5.0000e-005	6.6300e-003	1.7500e-003	5.0000e-005	1.7900e-003	0.0000	5.7249	5.7249	1.6000e-004	0.0000	5.7289

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.5294					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.4500e-003	0.0376	0.0484	8.0000e-005		2.1800e-003	2.1800e-003		2.1800e-003	2.1800e-003	0.0000	6.8087	6.8087	4.4000e-004	0.0000	6.8198
Total	0.5348	0.0376	0.0484	8.0000e-005		2.1800e-003	2.1800e-003		2.1800e-003	2.1800e-003	0.0000	6.8087	6.8087	4.4000e-004	0.0000	6.8198

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3.6 Architectural Coating - 2022**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.4200e-003	1.8200e-003	0.0209	6.0000e-005	6.5700e-003	5.0000e-005	6.6300e-003	1.7500e-003	5.0000e-005	1.7900e-003	0.0000	5.7249	5.7249	1.6000e-004	0.0000	5.7289
Total	2.4200e-003	1.8200e-003	0.0209	6.0000e-005	6.5700e-003	5.0000e-005	6.6300e-003	1.7500e-003	5.0000e-005	1.7900e-003	0.0000	5.7249	5.7249	1.6000e-004	0.0000	5.7289

3.7 Paving - 2022**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0110	0.1113	0.1458	2.3000e-004		5.6800e-003	5.6800e-003		5.2200e-003	5.2200e-003	0.0000	20.0276	20.0276	6.4800e-003	0.0000	20.1895
Paving	3.4700e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0145	0.1113	0.1458	2.3000e-004		5.6800e-003	5.6800e-003		5.2200e-003	5.2200e-003	0.0000	20.0276	20.0276	6.4800e-003	0.0000	20.1895

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3.7 Paving - 2022**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.1000e-004	4.5000e-004	5.2300e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.4312	1.4312	4.0000e-005	0.0000	1.4322
Total	6.1000e-004	4.5000e-004	5.2300e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.4312	1.4312	4.0000e-005	0.0000	1.4322

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0110	0.1113	0.1458	2.3000e-004		5.6800e-003	5.6800e-003		5.2200e-003	5.2200e-003	0.0000	20.0275	20.0275	6.4800e-003	0.0000	20.1895
Paving	3.4700e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0145	0.1113	0.1458	2.3000e-004		5.6800e-003	5.6800e-003		5.2200e-003	5.2200e-003	0.0000	20.0275	20.0275	6.4800e-003	0.0000	20.1895

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3.7 Paving - 2022**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.1000e-004	4.5000e-004	5.2300e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.4312	1.4312	4.0000e-005	0.0000	1.4322
Total	6.1000e-004	4.5000e-004	5.2300e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.4312	1.4312	4.0000e-005	0.0000	1.4322

4.0 Operational Detail - Mobile**4.1 Mitigation Measures Mobile**

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[illegible]

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
General Light Industry	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

[illegible]

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4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
General Light Industry	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
Other Asphalt Surfaces	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
Parking Lot	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
Unrefrigerated Warehouse-No Rail	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

[illegible]

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Annual

5.2 Energy by Land Use - NaturalGas

Unmitigated

[illegible]

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Annual

5.2 Energy by Land Use - NaturalGas

Mitigated

[illegible]

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Annual

5.3 Energy by Land Use - Electricity**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
General Light Industry	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Annual

5.3 Energy by Land Use - Electricity**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
General Light Industry	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

6.0 Area Detail**6.1 Mitigation Measures Area**

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	6.6000e-004	6.0000e-005	7.0600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0137	0.0137	4.0000e-005	0.0000	0.0146
Unmitigated	6.6000e-004	6.0000e-005	7.0600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0137	0.0137	4.0000e-005	0.0000	0.0146

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	6.6000e-004	6.0000e-005	7.0600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0137	0.0137	4.0000e-005	0.0000	0.0146
Total	6.6000e-004	6.0000e-005	7.0600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0137	0.0137	4.0000e-005	0.0000	0.0146

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Annual

6.2 Area by SubCategory**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	6.6000e-004	6.0000e-005	7.0600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0137	0.0137	4.0000e-005	0.0000	0.0146
Total	6.6000e-004	6.0000e-005	7.0600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0137	0.0137	4.0000e-005	0.0000	0.0146

7.0 Water Detail**7.1 Mitigation Measures Water**

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 0	0.0000	0.0000	0.0000	0.0000
General Light Industry	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Annual

7.2 Water by Land Use**Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 0	0.0000	0.0000	0.0000	0.0000
General Light Industry	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

8.0 Waste Detail**8.1 Mitigation Measures Waste**

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Annual

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

8.2 Waste by Land Use**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
General Light Industry	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Annual

8.2 Waste by Land Use**Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
General Light Industry	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
----------------	--------	-----------	-----------	-------------	-------------	-----------

10.0 Stationary Equipment**Fire Pumps and Emergency Generators**

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
----------------	--------	-----------	------------	-------------	-------------	-----------

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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San Francisco Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Annual

User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

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APPENDIX 4.2:

CALEEMOD PROJECT OPERATIONAL MODEL OUTPUTS

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Annual

San Francisco Avenue (Proposed Project Operations)
Los Angeles-South Coast County, Annual

1.0 Project Characteristics**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	61.80	1000sqft	1.42	61,798.00	0
User Defined Industrial	125.60	User Defined Unit	0.00	0.00	0
Other Asphalt Surfaces	51.84	1000sqft	1.19	51,836.00	0
Parking Lot	376.00	Space	1.46	58,572.00	0
City Park	0.81	Acre	0.81	35,405.00	0
Unrefrigerated Warehouse-No Rail	61.80	1000sqft	1.42	61,797.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9			Operational Year	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	564.66	CH4 Intensity (lb/MW hr)	0.023	N2O Intensity (lb/MW hr)	0.005

1.3 User Entered Comments & Non-Default Data

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Annual

Project Characteristics - Intensity factors adjusted to reflect the RPS for the 2022 Opening Year

Land Use - Total Project site is approximately 6.3 acres

Construction Phase - Operations run only

Off-road Equipment - Operations run only

Trips and VMT - Operations run only

Vehicle Trips - Trip characteristics based on information provided in the Traffic Assessment

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Energy Use - The Project will design building shells and building components to meet 2019 Title 24 Standards which expects 30% less energy for nonresidential uses

Operational Off-Road Equipment - Based on SCAQMD High Cube Warehouse Truck Trip Study White Paper Summary of Business Survey Results (2014)

Fleet Mix - Passenger Car Mix estimated based on the CalEEMod default fleet mix and the ratio of the vehicle classes (LDA, LDT1, LDT2, MDV, & MCY). Truck Mix based on information in the Traffic Analysis

Area Coating -

Water And Wastewater -

Solid Waste -

Table Name	Column Name	Default Value	New Value
tblEnergyUse	LightingElect	3.10	2.17
tblEnergyUse	T24E	2.25	1.58
tblEnergyUse	T24NG	13.65	9.56
tblFleetMix	HHD	0.03	0.00
tblFleetMix	HHD	0.03	0.62
tblFleetMix	HHD	0.03	0.00
tblFleetMix	LDA	0.55	0.59
tblFleetMix	LDA	0.55	0.00
tblFleetMix	LDA	0.55	0.59

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tblFleetMix	LDT1	0.04	0.05
tblFleetMix	LDT1	0.04	0.00
tblFleetMix	LDT1	0.04	0.05
tblFleetMix	LDT2	0.20	0.22
tblFleetMix	LDT2	0.20	0.00
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tblFleetMix	LHD1	0.02	0.00
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tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD2	6.1960e-003	0.00
tblFleetMix	LHD2	6.1960e-003	0.05
tblFleetMix	LHD2	6.1960e-003	0.00
tblFleetMix	MCY	5.1420e-003	5.6000e-003
tblFleetMix	MCY	5.1420e-003	0.00
tblFleetMix	MCY	5.1420e-003	5.6000e-003
tblFleetMix	MDV	0.12	0.13
tblFleetMix	MDV	0.12	0.00
tblFleetMix	MDV	0.12	0.13
tblFleetMix	MH	8.7600e-004	0.00
tblFleetMix	MH	8.7600e-004	0.00
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tblFleetMix	OBUS	2.5150e-003	0.00

San Francisco Avenue (Proposed Project Operations) - Los Angeles-South Coast County, Annual

tblFleetMix	SBUS	6.8700e-004	0.00
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tblFleetMix	UBUS	2.2010e-003	0.00
tblFleetMix	UBUS	2.2010e-003	0.00
tblFleetMix	UBUS	2.2010e-003	0.00
tblLandUse	LandUseSquareFeet	51,840.00	51,836.00
tblLandUse	LandUseSquareFeet	150,400.00	58,572.00
tblLandUse	LandUseSquareFeet	35,283.60	35,405.00
tblLandUse	LotAcreage	3.38	1.46
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	365.00
tblOperationalOffRoadEquipment	OperFuelType	Diesel	CNG
tblOperationalOffRoadEquipment	OperHorsePower	97.00	200.00
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	4.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	2.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.023
tblProjectCharacteristics	CO2IntensityFactor	702.44	564.66
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.005
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tblVehicleEF	HHD	4,690.45	1,172.50
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tblVehicleEF	HHD	1.0500e-004	7.0000e-006

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tblVehicleEF	HHD	4.6110e-003	2.7700e-004
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tblVehicleEF	HHD	0.25	0.09
tblVehicleEF	HHD	4.2900e-004	1.6010e-003
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tblVehicleEF	LDA	0.04	0.05
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tblVehicleEF	LDA	0.04	0.21
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tblVehicleEF	LDA	4.8010e-003	0.04
tblVehicleEF	LDA	0.72	0.79
tblVehicleEF	LDA	0.98	1.79
tblVehicleEF	LDA	287.10	284.40
tblVehicleEF	LDA	57.08	53.05
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.06	0.17
tblVehicleEF	LDA	2.1700e-003	1.8010e-003
tblVehicleEF	LDA	2.2660e-003	1.8420e-003
tblVehicleEF	LDA	2.0000e-003	1.6590e-003
tblVehicleEF	LDA	2.0830e-003	1.6940e-003
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.11	0.10
tblVehicleEF	LDA	0.05	0.07
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.20
tblVehicleEF	LDA	0.06	0.20
tblVehicleEF	LDA	2.8760e-003	2.7950e-003
tblVehicleEF	LDA	5.8700e-004	5.2200e-004
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.11	0.10
tblVehicleEF	LDA	0.05	0.07
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.20

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tblVehicleEF	LDA	0.07	0.22
tblVehicleEF	LDA	5.2330e-003	2.9600e-003
tblVehicleEF	LDA	5.5300e-003	0.05
tblVehicleEF	LDA	0.63	0.69
tblVehicleEF	LDA	1.19	2.17
tblVehicleEF	LDA	269.66	268.07
tblVehicleEF	LDA	57.08	53.75
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.07	0.19
tblVehicleEF	LDA	2.1700e-003	1.8010e-003
tblVehicleEF	LDA	2.2660e-003	1.8420e-003
tblVehicleEF	LDA	2.0000e-003	1.6590e-003
tblVehicleEF	LDA	2.0830e-003	1.6940e-003
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.05	0.24
tblVehicleEF	LDA	0.07	0.23
tblVehicleEF	LDA	2.7010e-003	2.6350e-003
tblVehicleEF	LDA	5.9100e-004	5.2800e-004
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.05	0.24
tblVehicleEF	LDA	0.08	0.25

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tblVehicleEF	LDT1	0.02	7.7270e-003
tblVehicleEF	LDT1	0.01	0.07
tblVehicleEF	LDT1	1.68	1.45
tblVehicleEF	LDT1	2.78	2.27
tblVehicleEF	LDT1	341.15	320.55
tblVehicleEF	LDT1	69.44	63.67
tblVehicleEF	LDT1	0.16	0.12
tblVehicleEF	LDT1	0.16	0.26
tblVehicleEF	LDT1	3.5390e-003	2.7170e-003
tblVehicleEF	LDT1	3.4320e-003	2.6310e-003
tblVehicleEF	LDT1	3.2590e-003	2.5000e-003
tblVehicleEF	LDT1	3.1560e-003	2.4190e-003
tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	0.26	0.20
tblVehicleEF	LDT1	0.11	0.11
tblVehicleEF	LDT1	0.04	0.03
tblVehicleEF	LDT1	0.17	0.69
tblVehicleEF	LDT1	0.19	0.35
tblVehicleEF	LDT1	3.4330e-003	3.1520e-003
tblVehicleEF	LDT1	7.4300e-004	6.2600e-004
tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	0.26	0.20
tblVehicleEF	LDT1	0.11	0.11
tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.17	0.69
tblVehicleEF	LDT1	0.21	0.39
tblVehicleEF	LDT1	0.02	8.1770e-003

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tblVehicleEF	LDT1	0.01	0.06
tblVehicleEF	LDT1	1.82	1.58
tblVehicleEF	LDT1	2.36	1.93
tblVehicleEF	LDT1	356.02	332.71
tblVehicleEF	LDT1	69.44	63.00
tblVehicleEF	LDT1	0.14	0.10
tblVehicleEF	LDT1	0.15	0.24
tblVehicleEF	LDT1	3.5390e-003	2.7170e-003
tblVehicleEF	LDT1	3.4320e-003	2.6310e-003
tblVehicleEF	LDT1	3.2590e-003	2.5000e-003
tblVehicleEF	LDT1	3.1560e-003	2.4190e-003
tblVehicleEF	LDT1	0.20	0.20
tblVehicleEF	LDT1	0.28	0.21
tblVehicleEF	LDT1	0.15	0.15
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.16	0.64
tblVehicleEF	LDT1	0.17	0.31
tblVehicleEF	LDT1	3.5840e-003	3.2710e-003
tblVehicleEF	LDT1	7.3600e-004	6.1900e-004
tblVehicleEF	LDT1	0.20	0.20
tblVehicleEF	LDT1	0.28	0.21
tblVehicleEF	LDT1	0.15	0.15
tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.16	0.64
tblVehicleEF	LDT1	0.18	0.34
tblVehicleEF	LDT1	0.02	7.5820e-003
tblVehicleEF	LDT1	0.01	0.07

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tblVehicleEF	LDT1	1.63	1.41
tblVehicleEF	LDT1	2.87	2.35
tblVehicleEF	LDT1	335.69	316.06
tblVehicleEF	LDT1	69.44	63.82
tblVehicleEF	LDT1	0.15	0.12
tblVehicleEF	LDT1	0.16	0.26
tblVehicleEF	LDT1	3.5390e-003	2.7170e-003
tblVehicleEF	LDT1	3.4320e-003	2.6310e-003
tblVehicleEF	LDT1	3.2590e-003	2.5000e-003
tblVehicleEF	LDT1	3.1560e-003	2.4190e-003
tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	0.30	0.22
tblVehicleEF	LDT1	0.10	0.10
tblVehicleEF	LDT1	0.04	0.03
tblVehicleEF	LDT1	0.20	0.82
tblVehicleEF	LDT1	0.20	0.36
tblVehicleEF	LDT1	3.3780e-003	3.1070e-003
tblVehicleEF	LDT1	7.4500e-004	6.2800e-004
tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	0.30	0.22
tblVehicleEF	LDT1	0.10	0.10
tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.20	0.82
tblVehicleEF	LDT1	0.21	0.40
tblVehicleEF	LDT2	7.2180e-003	4.9730e-003
tblVehicleEF	LDT2	6.3970e-003	0.07
tblVehicleEF	LDT2	0.84	1.02

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tblVehicleEF	LDT2	1.35	2.65
tblVehicleEF	LDT2	381.91	343.42
tblVehicleEF	LDT2	78.07	68.73
tblVehicleEF	LDT2	0.08	0.09
tblVehicleEF	LDT2	0.11	0.28
tblVehicleEF	LDT2	2.1510e-003	1.9110e-003
tblVehicleEF	LDT2	2.3580e-003	1.8910e-003
tblVehicleEF	LDT2	1.9790e-003	1.7590e-003
tblVehicleEF	LDT2	2.1690e-003	1.7390e-003
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.10	0.12
tblVehicleEF	LDT2	0.05	0.07
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.41
tblVehicleEF	LDT2	0.09	0.31
tblVehicleEF	LDT2	3.8260e-003	3.3760e-003
tblVehicleEF	LDT2	8.0300e-004	6.7600e-004
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.10	0.12
tblVehicleEF	LDT2	0.05	0.07
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.06	0.41
tblVehicleEF	LDT2	0.09	0.34
tblVehicleEF	LDT2	7.6530e-003	5.2910e-003
tblVehicleEF	LDT2	5.6920e-003	0.06
tblVehicleEF	LDT2	0.92	1.12
tblVehicleEF	LDT2	1.15	2.26

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tblVehicleEF	LDT2	399.04	355.31
tblVehicleEF	LDT2	78.07	67.99
tblVehicleEF	LDT2	0.07	0.08
tblVehicleEF	LDT2	0.10	0.26
tblVehicleEF	LDT2	2.1510e-003	1.9110e-003
tblVehicleEF	LDT2	2.3580e-003	1.8910e-003
tblVehicleEF	LDT2	1.9790e-003	1.7590e-003
tblVehicleEF	LDT2	2.1690e-003	1.7390e-003
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.10	0.13
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.38
tblVehicleEF	LDT2	0.08	0.28
tblVehicleEF	LDT2	3.9980e-003	3.4930e-003
tblVehicleEF	LDT2	8.0000e-004	6.6800e-004
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.10	0.13
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.06	0.38
tblVehicleEF	LDT2	0.08	0.31
tblVehicleEF	LDT2	7.0750e-003	4.8730e-003
tblVehicleEF	LDT2	6.5470e-003	0.07
tblVehicleEF	LDT2	0.81	0.99
tblVehicleEF	LDT2	1.39	2.74
tblVehicleEF	LDT2	375.62	339.02

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tblVehicleEF	LDT2	78.07	68.90
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.11	0.28
tblVehicleEF	LDT2	2.1510e-003	1.9110e-003
tblVehicleEF	LDT2	2.3580e-003	1.8910e-003
tblVehicleEF	LDT2	1.9790e-003	1.7590e-003
tblVehicleEF	LDT2	2.1690e-003	1.7390e-003
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.11	0.13
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.48
tblVehicleEF	LDT2	0.09	0.32
tblVehicleEF	LDT2	3.7630e-003	3.3320e-003
tblVehicleEF	LDT2	8.0400e-004	6.7700e-004
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.11	0.13
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.07	0.48
tblVehicleEF	LDT2	0.10	0.35
tblVehicleEF	LHD1	5.5970e-003	5.6110e-003
tblVehicleEF	LHD1	0.01	5.6770e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.19
tblVehicleEF	LHD1	0.84	0.65
tblVehicleEF	LHD1	2.79	1.14

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tblVehicleEF	LHD1	8.92	8.88
tblVehicleEF	LHD1	603.81	667.04
tblVehicleEF	LHD1	33.34	12.48
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.95	0.63
tblVehicleEF	LHD1	1.01	0.34
tblVehicleEF	LHD1	8.2600e-004	7.5000e-004
tblVehicleEF	LHD1	0.01	9.6680e-003
tblVehicleEF	LHD1	9.1270e-003	6.2840e-003
tblVehicleEF	LHD1	1.0140e-003	2.8500e-004
tblVehicleEF	LHD1	7.9000e-004	7.1700e-004
tblVehicleEF	LHD1	2.5160e-003	2.4170e-003
tblVehicleEF	LHD1	8.7050e-003	5.9830e-003
tblVehicleEF	LHD1	9.3300e-004	2.6200e-004
tblVehicleEF	LHD1	3.1460e-003	2.5540e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.9140e-003	1.5610e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.31	0.55
tblVehicleEF	LHD1	0.27	0.08
tblVehicleEF	LHD1	9.0000e-005	8.6000e-005
tblVehicleEF	LHD1	5.9300e-003	6.5150e-003
tblVehicleEF	LHD1	3.8500e-004	1.2400e-004
tblVehicleEF	LHD1	3.1460e-003	2.5540e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.02	0.03

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tblVehicleEF	LHD1	1.9140e-003	1.5610e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.31	0.55
tblVehicleEF	LHD1	0.29	0.09
tblVehicleEF	LHD1	5.5970e-003	5.6230e-003
tblVehicleEF	LHD1	0.01	5.7930e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.19
tblVehicleEF	LHD1	0.85	0.66
tblVehicleEF	LHD1	2.66	1.09
tblVehicleEF	LHD1	8.92	8.88
tblVehicleEF	LHD1	603.81	667.06
tblVehicleEF	LHD1	33.34	12.39
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.89	0.59
tblVehicleEF	LHD1	0.96	0.32
tblVehicleEF	LHD1	8.2600e-004	7.5000e-004
tblVehicleEF	LHD1	0.01	9.6680e-003
tblVehicleEF	LHD1	9.1270e-003	6.2840e-003
tblVehicleEF	LHD1	1.0140e-003	2.8500e-004
tblVehicleEF	LHD1	7.9000e-004	7.1700e-004
tblVehicleEF	LHD1	2.5160e-003	2.4170e-003
tblVehicleEF	LHD1	8.7050e-003	5.9830e-003
tblVehicleEF	LHD1	9.3300e-004	2.6200e-004
tblVehicleEF	LHD1	4.7100e-003	3.7600e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.02

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tblVehicleEF	LHD1	2.6900e-003	2.1600e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.30	0.53
tblVehicleEF	LHD1	0.26	0.08
tblVehicleEF	LHD1	9.0000e-005	8.6000e-005
tblVehicleEF	LHD1	5.9310e-003	6.5150e-003
tblVehicleEF	LHD1	3.8300e-004	1.2300e-004
tblVehicleEF	LHD1	4.7100e-003	3.7600e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	2.6900e-003	2.1600e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.30	0.53
tblVehicleEF	LHD1	0.28	0.08
tblVehicleEF	LHD1	5.5970e-003	5.6090e-003
tblVehicleEF	LHD1	0.01	5.6460e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.19
tblVehicleEF	LHD1	0.83	0.64
tblVehicleEF	LHD1	2.81	1.15
tblVehicleEF	LHD1	8.92	8.88
tblVehicleEF	LHD1	603.81	667.03
tblVehicleEF	LHD1	33.34	12.50
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.94	0.62
tblVehicleEF	LHD1	1.01	0.34
tblVehicleEF	LHD1	8.2600e-004	7.5000e-004

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tblVehicleEF	LHD1	0.01	9.6680e-003
tblVehicleEF	LHD1	9.1270e-003	6.2840e-003
tblVehicleEF	LHD1	1.0140e-003	2.8500e-004
tblVehicleEF	LHD1	7.9000e-004	7.1700e-004
tblVehicleEF	LHD1	2.5160e-003	2.4170e-003
tblVehicleEF	LHD1	8.7050e-003	5.9830e-003
tblVehicleEF	LHD1	9.3300e-004	2.6200e-004
tblVehicleEF	LHD1	3.3080e-003	2.6900e-003
tblVehicleEF	LHD1	0.12	0.09
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.8850e-003	1.5400e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.33	0.60
tblVehicleEF	LHD1	0.27	0.08
tblVehicleEF	LHD1	9.0000e-005	8.6000e-005
tblVehicleEF	LHD1	5.9300e-003	6.5150e-003
tblVehicleEF	LHD1	3.8600e-004	1.2400e-004
tblVehicleEF	LHD1	3.3080e-003	2.6900e-003
tblVehicleEF	LHD1	0.12	0.09
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.8850e-003	1.5400e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.33	0.60
tblVehicleEF	LHD1	0.29	0.09
tblVehicleEF	LHD2	4.0020e-003	3.9440e-003
tblVehicleEF	LHD2	4.2980e-003	3.9460e-003
tblVehicleEF	LHD2	8.5190e-003	0.01

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tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.34	0.44
tblVehicleEF	LHD2	1.37	0.77
tblVehicleEF	LHD2	13.57	13.40
tblVehicleEF	LHD2	617.83	668.37
tblVehicleEF	LHD2	27.88	9.65
tblVehicleEF	LHD2	0.09	0.08
tblVehicleEF	LHD2	0.65	0.81
tblVehicleEF	LHD2	0.55	0.23
tblVehicleEF	LHD2	1.1620e-003	1.2440e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8510e-003	9.8680e-003
tblVehicleEF	LHD2	4.6900e-004	1.6300e-004
tblVehicleEF	LHD2	1.1110e-003	1.1900e-003
tblVehicleEF	LHD2	2.6540e-003	2.6300e-003
tblVehicleEF	LHD2	8.4540e-003	9.4240e-003
tblVehicleEF	LHD2	4.3100e-004	1.5000e-004
tblVehicleEF	LHD2	1.1380e-003	1.5770e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.4500e-004	9.7800e-004
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.08	0.35
tblVehicleEF	LHD2	0.11	0.06
tblVehicleEF	LHD2	1.3300e-004	1.2900e-004
tblVehicleEF	LHD2	6.0210e-003	6.4710e-003
tblVehicleEF	LHD2	3.0400e-004	9.5000e-005

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tblVehicleEF	LHD2	1.1380e-003	1.5770e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.4500e-004	9.7800e-004
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.08	0.35
tblVehicleEF	LHD2	0.13	0.06
tblVehicleEF	LHD2	4.0020e-003	3.9530e-003
tblVehicleEF	LHD2	4.3570e-003	3.9910e-003
tblVehicleEF	LHD2	8.2260e-003	0.01
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.35	0.44
tblVehicleEF	LHD2	1.31	0.74
tblVehicleEF	LHD2	13.57	13.40
tblVehicleEF	LHD2	617.83	668.38
tblVehicleEF	LHD2	27.88	9.59
tblVehicleEF	LHD2	0.09	0.08
tblVehicleEF	LHD2	0.61	0.76
tblVehicleEF	LHD2	0.53	0.22
tblVehicleEF	LHD2	1.1620e-003	1.2440e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8510e-003	9.8680e-003
tblVehicleEF	LHD2	4.6900e-004	1.6300e-004
tblVehicleEF	LHD2	1.1110e-003	1.1900e-003
tblVehicleEF	LHD2	2.6540e-003	2.6300e-003
tblVehicleEF	LHD2	8.4540e-003	9.4240e-003
tblVehicleEF	LHD2	4.3100e-004	1.5000e-004

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tblVehicleEF	LHD2	1.6960e-003	2.3210e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.0400e-003	1.3550e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.08	0.34
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	1.3300e-004	1.2900e-004
tblVehicleEF	LHD2	6.0210e-003	6.4710e-003
tblVehicleEF	LHD2	3.0300e-004	9.5000e-005
tblVehicleEF	LHD2	1.6960e-003	2.3210e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.0400e-003	1.3550e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.08	0.34
tblVehicleEF	LHD2	0.12	0.06
tblVehicleEF	LHD2	4.0020e-003	3.9420e-003
tblVehicleEF	LHD2	4.2820e-003	3.9330e-003
tblVehicleEF	LHD2	8.5780e-003	0.01
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.34	0.43
tblVehicleEF	LHD2	1.38	0.78
tblVehicleEF	LHD2	13.57	13.40
tblVehicleEF	LHD2	617.83	668.37
tblVehicleEF	LHD2	27.88	9.66
tblVehicleEF	LHD2	0.09	0.08

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tblVehicleEF	LHD2	0.64	0.80
tblVehicleEF	LHD2	0.56	0.24
tblVehicleEF	LHD2	1.1620e-003	1.2440e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8510e-003	9.8680e-003
tblVehicleEF	LHD2	4.6900e-004	1.6300e-004
tblVehicleEF	LHD2	1.1110e-003	1.1900e-003
tblVehicleEF	LHD2	2.6540e-003	2.6300e-003
tblVehicleEF	LHD2	8.4540e-003	9.4240e-003
tblVehicleEF	LHD2	4.3100e-004	1.5000e-004
tblVehicleEF	LHD2	1.1610e-003	1.6340e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.2300e-004	9.5000e-004
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.09	0.39
tblVehicleEF	LHD2	0.12	0.06
tblVehicleEF	LHD2	1.3300e-004	1.2900e-004
tblVehicleEF	LHD2	6.0210e-003	6.4710e-003
tblVehicleEF	LHD2	3.0400e-004	9.6000e-005
tblVehicleEF	LHD2	1.1610e-003	1.6340e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.2300e-004	9.5000e-004
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.09	0.39
tblVehicleEF	LHD2	0.13	0.06

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tblVehicleEF	MCY	0.54	0.38
tblVehicleEF	MCY	0.15	0.23
tblVehicleEF	MCY	18.94	19.11
tblVehicleEF	MCY	9.66	8.52
tblVehicleEF	MCY	188.92	223.68
tblVehicleEF	MCY	44.52	59.56
tblVehicleEF	MCY	1.13	1.13
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	2.4360e-003	2.4430e-003
tblVehicleEF	MCY	3.8630e-003	3.2940e-003
tblVehicleEF	MCY	2.2770e-003	2.2830e-003
tblVehicleEF	MCY	3.6360e-003	3.1000e-003
tblVehicleEF	MCY	1.06	1.08
tblVehicleEF	MCY	0.63	0.65
tblVehicleEF	MCY	0.65	0.66
tblVehicleEF	MCY	2.60	2.61
tblVehicleEF	MCY	0.60	1.98
tblVehicleEF	MCY	2.05	1.81
tblVehicleEF	MCY	2.2780e-003	2.2130e-003
tblVehicleEF	MCY	6.6300e-004	5.8900e-004
tblVehicleEF	MCY	1.06	1.08
tblVehicleEF	MCY	0.63	0.65
tblVehicleEF	MCY	0.65	0.66
tblVehicleEF	MCY	3.23	3.25
tblVehicleEF	MCY	0.60	1.98
tblVehicleEF	MCY	2.23	1.97
tblVehicleEF	MCY	0.53	0.37

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tblVehicleEF	MCY	0.13	0.21
tblVehicleEF	MCY	18.24	18.37
tblVehicleEF	MCY	8.82	7.76
tblVehicleEF	MCY	188.92	222.28
tblVehicleEF	MCY	44.52	57.67
tblVehicleEF	MCY	0.99	0.99
tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	2.4360e-003	2.4430e-003
tblVehicleEF	MCY	3.8630e-003	3.2940e-003
tblVehicleEF	MCY	2.2770e-003	2.2830e-003
tblVehicleEF	MCY	3.6360e-003	3.1000e-003
tblVehicleEF	MCY	1.73	1.72
tblVehicleEF	MCY	0.70	0.71
tblVehicleEF	MCY	1.07	1.07
tblVehicleEF	MCY	2.54	2.55
tblVehicleEF	MCY	0.56	1.86
tblVehicleEF	MCY	1.83	1.61
tblVehicleEF	MCY	2.2650e-003	2.2000e-003
tblVehicleEF	MCY	6.4300e-004	5.7100e-004
tblVehicleEF	MCY	1.73	1.72
tblVehicleEF	MCY	0.70	0.71
tblVehicleEF	MCY	1.07	1.07
tblVehicleEF	MCY	3.16	3.17
tblVehicleEF	MCY	0.56	1.86
tblVehicleEF	MCY	1.99	1.75
tblVehicleEF	MCY	0.54	0.38
tblVehicleEF	MCY	0.15	0.24

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tblVehicleEF	MCY	19.04	19.25
tblVehicleEF	MCY	9.80	8.66
tblVehicleEF	MCY	188.92	223.96
tblVehicleEF	MCY	44.52	59.94
tblVehicleEF	MCY	1.11	1.11
tblVehicleEF	MCY	0.31	0.27
tblVehicleEF	MCY	2.4360e-003	2.4430e-003
tblVehicleEF	MCY	3.8630e-003	3.2940e-003
tblVehicleEF	MCY	2.2770e-003	2.2830e-003
tblVehicleEF	MCY	3.6360e-003	3.1000e-003
tblVehicleEF	MCY	1.16	1.18
tblVehicleEF	MCY	0.82	0.84
tblVehicleEF	MCY	0.62	0.64
tblVehicleEF	MCY	2.61	2.63
tblVehicleEF	MCY	0.69	2.28
tblVehicleEF	MCY	2.09	1.86
tblVehicleEF	MCY	2.2800e-003	2.2160e-003
tblVehicleEF	MCY	6.6700e-004	5.9300e-004
tblVehicleEF	MCY	1.16	1.18
tblVehicleEF	MCY	0.82	0.84
tblVehicleEF	MCY	0.62	0.64
tblVehicleEF	MCY	3.25	3.26
tblVehicleEF	MCY	0.69	2.28
tblVehicleEF	MCY	2.28	2.02
tblVehicleEF	MDV	0.01	6.5350e-003
tblVehicleEF	MDV	0.01	0.08
tblVehicleEF	MDV	1.33	1.22

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tblVehicleEF	MDV	2.48	3.10
tblVehicleEF	MDV	512.22	421.49
tblVehicleEF	MDV	103.14	83.59
tblVehicleEF	MDV	0.15	0.11
tblVehicleEF	MDV	0.22	0.34
tblVehicleEF	MDV	2.3560e-003	2.0880e-003
tblVehicleEF	MDV	2.5140e-003	2.0610e-003
tblVehicleEF	MDV	2.1720e-003	1.9250e-003
tblVehicleEF	MDV	2.3120e-003	1.8950e-003
tblVehicleEF	MDV	0.07	0.08
tblVehicleEF	MDV	0.15	0.14
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.09	0.43
tblVehicleEF	MDV	0.19	0.40
tblVehicleEF	MDV	5.1310e-003	4.1410e-003
tblVehicleEF	MDV	1.0750e-003	8.2200e-004
tblVehicleEF	MDV	0.07	0.08
tblVehicleEF	MDV	0.15	0.14
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.09	0.43
tblVehicleEF	MDV	0.21	0.44
tblVehicleEF	MDV	0.01	6.9310e-003
tblVehicleEF	MDV	0.01	0.07
tblVehicleEF	MDV	1.45	1.32
tblVehicleEF	MDV	2.12	2.63

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tblVehicleEF	MDV	534.67	433.96
tblVehicleEF	MDV	103.14	82.70
tblVehicleEF	MDV	0.13	0.10
tblVehicleEF	MDV	0.20	0.32
tblVehicleEF	MDV	2.3560e-003	2.0880e-003
tblVehicleEF	MDV	2.5140e-003	2.0610e-003
tblVehicleEF	MDV	2.1720e-003	1.9250e-003
tblVehicleEF	MDV	2.3120e-003	1.8950e-003
tblVehicleEF	MDV	0.10	0.13
tblVehicleEF	MDV	0.16	0.14
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.08	0.40
tblVehicleEF	MDV	0.17	0.36
tblVehicleEF	MDV	5.3570e-003	4.2630e-003
tblVehicleEF	MDV	1.0680e-003	8.1300e-004
tblVehicleEF	MDV	0.10	0.13
tblVehicleEF	MDV	0.16	0.15
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.08	0.40
tblVehicleEF	MDV	0.18	0.39
tblVehicleEF	MDV	0.01	6.4070e-003
tblVehicleEF	MDV	0.01	0.08
tblVehicleEF	MDV	1.29	1.18
tblVehicleEF	MDV	2.56	3.21
tblVehicleEF	MDV	503.99	416.89

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tblVehicleEF	MDV	103.14	83.79
tblVehicleEF	MDV	0.14	0.11
tblVehicleEF	MDV	0.22	0.35
tblVehicleEF	MDV	2.3560e-003	2.0880e-003
tblVehicleEF	MDV	2.5140e-003	2.0610e-003
tblVehicleEF	MDV	2.1720e-003	1.9250e-003
tblVehicleEF	MDV	2.3120e-003	1.8950e-003
tblVehicleEF	MDV	0.06	0.08
tblVehicleEF	MDV	0.16	0.15
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.10	0.50
tblVehicleEF	MDV	0.19	0.41
tblVehicleEF	MDV	5.0480e-003	4.0950e-003
tblVehicleEF	MDV	1.0760e-003	8.2400e-004
tblVehicleEF	MDV	0.06	0.08
tblVehicleEF	MDV	0.16	0.15
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.10	0.50
tblVehicleEF	MDV	0.21	0.45
tblVehicleEF	MH	0.03	3.1210e-003
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	2.24	0.27
tblVehicleEF	MH	5.78	0.00
tblVehicleEF	MH	1,130.03	965.33
tblVehicleEF	MH	60.43	0.00

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tblVehicleEF	MH	1.08	3.43
tblVehicleEF	MH	0.80	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.02	0.07
tblVehicleEF	MH	1.1280e-003	0.00
tblVehicleEF	MH	3.2020e-003	4.0000e-003
tblVehicleEF	MH	0.02	0.07
tblVehicleEF	MH	1.0370e-003	0.00
tblVehicleEF	MH	0.95	0.00
tblVehicleEF	MH	0.07	0.00
tblVehicleEF	MH	0.41	0.00
tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.33	0.00
tblVehicleEF	MH	0.01	9.1260e-003
tblVehicleEF	MH	7.0500e-004	0.00
tblVehicleEF	MH	0.95	0.00
tblVehicleEF	MH	0.07	0.00
tblVehicleEF	MH	0.41	0.00
tblVehicleEF	MH	0.12	0.08
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.36	0.00
tblVehicleEF	MH	0.03	3.1210e-003
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	2.30	0.27
tblVehicleEF	MH	5.44	0.00
tblVehicleEF	MH	1,130.03	965.33

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tblVehicleEF	MH	60.43	0.00
tblVehicleEF	MH	0.99	3.24
tblVehicleEF	MH	0.76	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.02	0.07
tblVehicleEF	MH	1.1280e-003	0.00
tblVehicleEF	MH	3.2020e-003	4.0000e-003
tblVehicleEF	MH	0.02	0.07
tblVehicleEF	MH	1.0370e-003	0.00
tblVehicleEF	MH	1.41	0.00
tblVehicleEF	MH	0.07	0.00
tblVehicleEF	MH	0.58	0.00
tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.31	0.00
tblVehicleEF	MH	0.01	9.1260e-003
tblVehicleEF	MH	6.9900e-004	0.00
tblVehicleEF	MH	1.41	0.00
tblVehicleEF	MH	0.07	0.00
tblVehicleEF	MH	0.58	0.00
tblVehicleEF	MH	0.12	0.08
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.34	0.00
tblVehicleEF	MH	0.03	3.1210e-003
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	2.22	0.27
tblVehicleEF	MH	5.83	0.00

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tblVehicleEF	MH	1,130.03	965.33
tblVehicleEF	MH	60.43	0.00
tblVehicleEF	MH	1.06	3.37
tblVehicleEF	MH	0.80	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.02	0.07
tblVehicleEF	MH	1.1280e-003	0.00
tblVehicleEF	MH	3.2020e-003	4.0000e-003
tblVehicleEF	MH	0.02	0.07
tblVehicleEF	MH	1.0370e-003	0.00
tblVehicleEF	MH	1.08	0.00
tblVehicleEF	MH	0.08	0.00
tblVehicleEF	MH	0.42	0.00
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.33	0.00
tblVehicleEF	MH	0.01	9.1260e-003
tblVehicleEF	MH	7.0600e-004	0.00
tblVehicleEF	MH	1.08	0.00
tblVehicleEF	MH	0.08	0.00
tblVehicleEF	MH	0.42	0.00
tblVehicleEF	MH	0.12	0.08
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.36	0.00
tblVehicleEF	MHD	0.02	4.4240e-003
tblVehicleEF	MHD	4.8560e-003	4.6020e-003
tblVehicleEF	MHD	0.05	0.01

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tblVehicleEF	MHD	0.37	0.39
tblVehicleEF	MHD	0.37	0.47
tblVehicleEF	MHD	6.14	1.44
tblVehicleEF	MHD	132.92	67.32
tblVehicleEF	MHD	1,150.98	1,070.87
tblVehicleEF	MHD	63.58	12.17
tblVehicleEF	MHD	0.49	0.47
tblVehicleEF	MHD	1.14	1.63
tblVehicleEF	MHD	9.96	1.29
tblVehicleEF	MHD	2.4800e-004	1.0730e-003
tblVehicleEF	MHD	5.1090e-003	0.03
tblVehicleEF	MHD	8.4300e-004	1.3800e-004
tblVehicleEF	MHD	2.3800e-004	1.0270e-003
tblVehicleEF	MHD	4.8830e-003	0.03
tblVehicleEF	MHD	7.7600e-004	1.2700e-004
tblVehicleEF	MHD	1.1350e-003	6.6800e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	7.4200e-004	4.3000e-004
tblVehicleEF	MHD	0.05	0.06
tblVehicleEF	MHD	0.02	0.14
tblVehicleEF	MHD	0.37	0.07
tblVehicleEF	MHD	1.2810e-003	6.4000e-004
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.4300e-004	1.2000e-004
tblVehicleEF	MHD	1.1350e-003	6.6800e-004
tblVehicleEF	MHD	0.05	0.03

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tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	7.4200e-004	4.3000e-004
tblVehicleEF	MHD	0.05	0.07
tblVehicleEF	MHD	0.02	0.14
tblVehicleEF	MHD	0.41	0.07
tblVehicleEF	MHD	0.02	4.1930e-003
tblVehicleEF	MHD	4.9280e-003	4.6540e-003
tblVehicleEF	MHD	0.05	0.01
tblVehicleEF	MHD	0.27	0.32
tblVehicleEF	MHD	0.38	0.48
tblVehicleEF	MHD	5.83	1.36
tblVehicleEF	MHD	140.78	68.14
tblVehicleEF	MHD	1,150.98	1,070.88
tblVehicleEF	MHD	63.58	12.05
tblVehicleEF	MHD	0.51	0.48
tblVehicleEF	MHD	1.08	1.54
tblVehicleEF	MHD	9.92	1.28
tblVehicleEF	MHD	2.0900e-004	9.0700e-004
tblVehicleEF	MHD	5.1090e-003	0.03
tblVehicleEF	MHD	8.4300e-004	1.3800e-004
tblVehicleEF	MHD	2.0000e-004	8.6800e-004
tblVehicleEF	MHD	4.8830e-003	0.03
tblVehicleEF	MHD	7.7600e-004	1.2700e-004
tblVehicleEF	MHD	1.7000e-003	9.9300e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	1.0480e-003	6.0400e-004

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tblVehicleEF	MHD	0.05	0.06
tblVehicleEF	MHD	0.02	0.14
tblVehicleEF	MHD	0.36	0.06
tblVehicleEF	MHD	1.3550e-003	6.4800e-004
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.3800e-004	1.1900e-004
tblVehicleEF	MHD	1.7000e-003	9.9300e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	1.0480e-003	6.0400e-004
tblVehicleEF	MHD	0.06	0.07
tblVehicleEF	MHD	0.02	0.14
tblVehicleEF	MHD	0.39	0.07
tblVehicleEF	MHD	0.02	4.7550e-003
tblVehicleEF	MHD	4.8360e-003	4.5850e-003
tblVehicleEF	MHD	0.05	0.01
tblVehicleEF	MHD	0.52	0.49
tblVehicleEF	MHD	0.37	0.47
tblVehicleEF	MHD	6.20	1.45
tblVehicleEF	MHD	122.05	66.18
tblVehicleEF	MHD	1,150.98	1,070.87
tblVehicleEF	MHD	63.58	12.19
tblVehicleEF	MHD	0.47	0.47
tblVehicleEF	MHD	1.12	1.60
tblVehicleEF	MHD	9.97	1.29
tblVehicleEF	MHD	3.0200e-004	1.3020e-003
tblVehicleEF	MHD	5.1090e-003	0.03

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tblVehicleEF	MHD	8.4300e-004	1.3800e-004
tblVehicleEF	MHD	2.8900e-004	1.2460e-003
tblVehicleEF	MHD	4.8830e-003	0.03
tblVehicleEF	MHD	7.7600e-004	1.2700e-004
tblVehicleEF	MHD	1.1690e-003	6.9100e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	7.2400e-004	4.2100e-004
tblVehicleEF	MHD	0.05	0.06
tblVehicleEF	MHD	0.02	0.16
tblVehicleEF	MHD	0.38	0.07
tblVehicleEF	MHD	1.1790e-003	6.2900e-004
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.4400e-004	1.2100e-004
tblVehicleEF	MHD	1.1690e-003	6.9100e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	7.2400e-004	4.2100e-004
tblVehicleEF	MHD	0.05	0.07
tblVehicleEF	MHD	0.02	0.16
tblVehicleEF	MHD	0.41	0.07
tblVehicleEF	OBUS	0.01	8.4750e-003
tblVehicleEF	OBUS	7.7220e-003	6.9630e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.28	0.60
tblVehicleEF	OBUS	0.53	0.78
tblVehicleEF	OBUS	5.41	2.39

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tblVehicleEF	OBUS	112.13	94.21
tblVehicleEF	OBUS	1,260.49	1,391.50
tblVehicleEF	OBUS	67.92	19.24
tblVehicleEF	OBUS	0.51	0.46
tblVehicleEF	OBUS	1.55	1.57
tblVehicleEF	OBUS	2.60	0.75
tblVehicleEF	OBUS	1.1400e-004	7.8900e-004
tblVehicleEF	OBUS	7.4300e-003	0.02
tblVehicleEF	OBUS	8.0700e-004	1.9700e-004
tblVehicleEF	OBUS	1.0900e-004	7.5500e-004
tblVehicleEF	OBUS	7.0930e-003	0.02
tblVehicleEF	OBUS	7.4200e-004	1.8100e-004
tblVehicleEF	OBUS	1.4340e-003	1.8390e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	7.6800e-004	9.4100e-004
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	0.04	0.26
tblVehicleEF	OBUS	0.34	0.11
tblVehicleEF	OBUS	1.0820e-003	8.9600e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.7400e-004	1.9000e-004
tblVehicleEF	OBUS	1.4340e-003	1.8390e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	7.6800e-004	9.4100e-004
tblVehicleEF	OBUS	0.08	0.08

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tblVehicleEF	OBUS	0.04	0.26
tblVehicleEF	OBUS	0.37	0.13
tblVehicleEF	OBUS	0.01	8.5340e-003
tblVehicleEF	OBUS	7.8490e-003	7.0850e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.27	0.58
tblVehicleEF	OBUS	0.54	0.80
tblVehicleEF	OBUS	5.11	2.26
tblVehicleEF	OBUS	117.81	94.08
tblVehicleEF	OBUS	1,260.49	1,391.52
tblVehicleEF	OBUS	67.92	19.02
tblVehicleEF	OBUS	0.53	0.45
tblVehicleEF	OBUS	1.46	1.48
tblVehicleEF	OBUS	2.57	0.74
tblVehicleEF	OBUS	9.6000e-005	6.7100e-004
tblVehicleEF	OBUS	7.4300e-003	0.02
tblVehicleEF	OBUS	8.0700e-004	1.9700e-004
tblVehicleEF	OBUS	9.2000e-005	6.4200e-004
tblVehicleEF	OBUS	7.0930e-003	0.02
tblVehicleEF	OBUS	7.4200e-004	1.8100e-004
tblVehicleEF	OBUS	2.1010e-003	2.6500e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	1.0830e-003	1.3070e-003
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	0.04	0.26
tblVehicleEF	OBUS	0.32	0.11

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tblVehicleEF	OBUS	1.1360e-003	8.9500e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.6900e-004	1.8800e-004
tblVehicleEF	OBUS	2.1010e-003	2.6500e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	1.0830e-003	1.3070e-003
tblVehicleEF	OBUS	0.08	0.08
tblVehicleEF	OBUS	0.04	0.26
tblVehicleEF	OBUS	0.35	0.12
tblVehicleEF	OBUS	0.01	8.4130e-003
tblVehicleEF	OBUS	7.6880e-003	6.9290e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.30	0.61
tblVehicleEF	OBUS	0.53	0.78
tblVehicleEF	OBUS	5.47	2.42
tblVehicleEF	OBUS	104.30	94.40
tblVehicleEF	OBUS	1,260.49	1,391.49
tblVehicleEF	OBUS	67.92	19.29
tblVehicleEF	OBUS	0.49	0.47
tblVehicleEF	OBUS	1.52	1.55
tblVehicleEF	OBUS	2.61	0.76
tblVehicleEF	OBUS	1.3900e-004	9.5300e-004
tblVehicleEF	OBUS	7.4300e-003	0.02
tblVehicleEF	OBUS	8.0700e-004	1.9700e-004
tblVehicleEF	OBUS	1.3300e-004	9.1200e-004
tblVehicleEF	OBUS	7.0930e-003	0.02

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tblVehicleEF	OBUS	7.4200e-004	1.8100e-004
tblVehicleEF	OBUS	1.4690e-003	1.9220e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	7.4700e-004	9.2400e-004
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	0.04	0.28
tblVehicleEF	OBUS	0.34	0.12
tblVehicleEF	OBUS	1.0070e-003	8.9800e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.7500e-004	1.9100e-004
tblVehicleEF	OBUS	1.4690e-003	1.9220e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.06	0.07
tblVehicleEF	OBUS	7.4700e-004	9.2400e-004
tblVehicleEF	OBUS	0.08	0.08
tblVehicleEF	OBUS	0.04	0.28
tblVehicleEF	OBUS	0.37	0.13
tblVehicleEF	SBUS	0.84	0.07
tblVehicleEF	SBUS	0.01	7.0600e-003
tblVehicleEF	SBUS	0.06	6.7770e-003
tblVehicleEF	SBUS	8.15	2.99
tblVehicleEF	SBUS	0.72	0.60
tblVehicleEF	SBUS	7.31	0.93
tblVehicleEF	SBUS	1,121.00	354.63
tblVehicleEF	SBUS	1,079.30	1,100.97
tblVehicleEF	SBUS	55.06	5.73

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tblVehicleEF	SBUS	9.20	3.14
tblVehicleEF	SBUS	4.17	4.65
tblVehicleEF	SBUS	12.12	0.90
tblVehicleEF	SBUS	9.3410e-003	3.9540e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	8.1500e-004	5.5000e-005
tblVehicleEF	SBUS	8.9370e-003	3.7830e-003
tblVehicleEF	SBUS	2.6670e-003	2.6630e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	7.5000e-004	5.1000e-005
tblVehicleEF	SBUS	3.3650e-003	9.8900e-004
tblVehicleEF	SBUS	0.03	8.5880e-003
tblVehicleEF	SBUS	0.97	0.34
tblVehicleEF	SBUS	1.7650e-003	5.2700e-004
tblVehicleEF	SBUS	0.10	0.09
tblVehicleEF	SBUS	0.01	0.06
tblVehicleEF	SBUS	0.38	0.04
tblVehicleEF	SBUS	0.01	3.3860e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.7700e-004	5.7000e-005
tblVehicleEF	SBUS	3.3650e-003	9.8900e-004
tblVehicleEF	SBUS	0.03	8.5880e-003
tblVehicleEF	SBUS	1.40	0.49
tblVehicleEF	SBUS	1.7650e-003	5.2700e-004
tblVehicleEF	SBUS	0.13	0.11
tblVehicleEF	SBUS	0.01	0.06

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tblVehicleEF	SBUS	0.42	0.04
tblVehicleEF	SBUS	0.84	0.07
tblVehicleEF	SBUS	0.01	7.1400e-003
tblVehicleEF	SBUS	0.06	6.0470e-003
tblVehicleEF	SBUS	8.04	2.95
tblVehicleEF	SBUS	0.73	0.61
tblVehicleEF	SBUS	5.94	0.76
tblVehicleEF	SBUS	1,171.46	362.29
tblVehicleEF	SBUS	1,079.30	1,100.99
tblVehicleEF	SBUS	55.06	5.44
tblVehicleEF	SBUS	9.50	3.21
tblVehicleEF	SBUS	3.93	4.39
tblVehicleEF	SBUS	12.09	0.90
tblVehicleEF	SBUS	7.8750e-003	3.3400e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	8.1500e-004	5.5000e-005
tblVehicleEF	SBUS	7.5340e-003	3.1960e-003
tblVehicleEF	SBUS	2.6670e-003	2.6630e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	7.5000e-004	5.1000e-005
tblVehicleEF	SBUS	4.9570e-003	1.4290e-003
tblVehicleEF	SBUS	0.03	8.7250e-003
tblVehicleEF	SBUS	0.97	0.34
tblVehicleEF	SBUS	2.5080e-003	7.3100e-004
tblVehicleEF	SBUS	0.10	0.09
tblVehicleEF	SBUS	0.01	0.05

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tblVehicleEF	SBUS	0.34	0.03
tblVehicleEF	SBUS	0.01	3.4580e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.5400e-004	5.4000e-005
tblVehicleEF	SBUS	4.9570e-003	1.4290e-003
tblVehicleEF	SBUS	0.03	8.7250e-003
tblVehicleEF	SBUS	1.40	0.49
tblVehicleEF	SBUS	2.5080e-003	7.3100e-004
tblVehicleEF	SBUS	0.13	0.11
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.37	0.04
tblVehicleEF	SBUS	0.84	0.07
tblVehicleEF	SBUS	0.01	7.0350e-003
tblVehicleEF	SBUS	0.07	6.9450e-003
tblVehicleEF	SBUS	8.31	3.04
tblVehicleEF	SBUS	0.72	0.60
tblVehicleEF	SBUS	7.56	0.96
tblVehicleEF	SBUS	1,051.30	344.05
tblVehicleEF	SBUS	1,079.30	1,100.97
tblVehicleEF	SBUS	55.06	5.78
tblVehicleEF	SBUS	8.80	3.05
tblVehicleEF	SBUS	4.10	4.57
tblVehicleEF	SBUS	12.13	0.90
tblVehicleEF	SBUS	0.01	4.8000e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	8.1500e-004	5.5000e-005

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tblVehicleEF	SBUS	0.01	4.5930e-003
tblVehicleEF	SBUS	2.6670e-003	2.6630e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	7.5000e-004	5.1000e-005
tblVehicleEF	SBUS	3.4320e-003	1.0030e-003
tblVehicleEF	SBUS	0.03	9.0230e-003
tblVehicleEF	SBUS	0.98	0.34
tblVehicleEF	SBUS	1.6940e-003	5.0600e-004
tblVehicleEF	SBUS	0.10	0.09
tblVehicleEF	SBUS	0.02	0.07
tblVehicleEF	SBUS	0.39	0.04
tblVehicleEF	SBUS	0.01	3.2860e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.8100e-004	5.7000e-005
tblVehicleEF	SBUS	3.4320e-003	1.0030e-003
tblVehicleEF	SBUS	0.03	9.0230e-003
tblVehicleEF	SBUS	1.41	0.49
tblVehicleEF	SBUS	1.6940e-003	5.0600e-004
tblVehicleEF	SBUS	0.13	0.11
tblVehicleEF	SBUS	0.02	0.07
tblVehicleEF	SBUS	0.43	0.04
tblVehicleEF	UBUS	2.61	5.85
tblVehicleEF	UBUS	0.05	0.01
tblVehicleEF	UBUS	11.22	45.42
tblVehicleEF	UBUS	8.87	0.71
tblVehicleEF	UBUS	1,968.89	1,991.58
tblVehicleEF	UBUS	96.56	8.61

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tblVehicleEF	UBUS	9.98	0.47
tblVehicleEF	UBUS	15.36	0.08
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.13	3.1840e-003
tblVehicleEF	UBUS	1.0870e-003	4.6000e-005
tblVehicleEF	UBUS	0.26	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9690e-003
tblVehicleEF	UBUS	0.13	3.0430e-003
tblVehicleEF	UBUS	9.9900e-004	4.3000e-005
tblVehicleEF	UBUS	4.1440e-003	6.6500e-004
tblVehicleEF	UBUS	0.07	8.4730e-003
tblVehicleEF	UBUS	2.3870e-003	4.9100e-004
tblVehicleEF	UBUS	0.85	0.09
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.68	0.05
tblVehicleEF	UBUS	9.8600e-003	1.4410e-003
tblVehicleEF	UBUS	1.1250e-003	8.5000e-005
tblVehicleEF	UBUS	4.1440e-003	6.6500e-004
tblVehicleEF	UBUS	0.07	8.4730e-003
tblVehicleEF	UBUS	2.3870e-003	4.9100e-004
tblVehicleEF	UBUS	3.56	5.97
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.74	0.05
tblVehicleEF	UBUS	2.61	5.85
tblVehicleEF	UBUS	0.05	0.01
tblVehicleEF	UBUS	11.27	45.42

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tblVehicleEF	UBUS	7.69	0.63
tblVehicleEF	UBUS	1,968.89	1,991.58
tblVehicleEF	UBUS	96.56	8.46
tblVehicleEF	UBUS	9.41	0.47
tblVehicleEF	UBUS	15.31	0.08
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.13	3.1840e-003
tblVehicleEF	UBUS	1.0870e-003	4.6000e-005
tblVehicleEF	UBUS	0.26	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9690e-003
tblVehicleEF	UBUS	0.13	3.0430e-003
tblVehicleEF	UBUS	9.9900e-004	4.3000e-005
tblVehicleEF	UBUS	5.9080e-003	9.6200e-004
tblVehicleEF	UBUS	0.07	8.7330e-003
tblVehicleEF	UBUS	3.2830e-003	6.7600e-004
tblVehicleEF	UBUS	0.86	0.09
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.62	0.04
tblVehicleEF	UBUS	9.8610e-003	1.4410e-003
tblVehicleEF	UBUS	1.1050e-003	8.4000e-005
tblVehicleEF	UBUS	5.9080e-003	9.6200e-004
tblVehicleEF	UBUS	0.07	8.7330e-003
tblVehicleEF	UBUS	3.2830e-003	6.7600e-004
tblVehicleEF	UBUS	3.57	5.97
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.68	0.05

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tblVehicleEF	UBUS	2.61	5.85
tblVehicleEF	UBUS	0.05	0.01
tblVehicleEF	UBUS	11.21	45.42
tblVehicleEF	UBUS	9.08	0.73
tblVehicleEF	UBUS	1,968.89	1,991.58
tblVehicleEF	UBUS	96.56	8.64
tblVehicleEF	UBUS	9.79	0.47
tblVehicleEF	UBUS	15.38	0.09
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.13	3.1840e-003
tblVehicleEF	UBUS	1.0870e-003	4.6000e-005
tblVehicleEF	UBUS	0.26	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9690e-003
tblVehicleEF	UBUS	0.13	3.0430e-003
tblVehicleEF	UBUS	9.9900e-004	4.3000e-005
tblVehicleEF	UBUS	4.7000e-003	6.4800e-004
tblVehicleEF	UBUS	0.08	9.0360e-003
tblVehicleEF	UBUS	2.5010e-003	4.6600e-004
tblVehicleEF	UBUS	0.85	0.09
tblVehicleEF	UBUS	0.03	0.07
tblVehicleEF	UBUS	0.69	0.05
tblVehicleEF	UBUS	9.8590e-003	1.4410e-003
tblVehicleEF	UBUS	1.1290e-003	8.5000e-005
tblVehicleEF	UBUS	4.7000e-003	6.4800e-004
tblVehicleEF	UBUS	0.08	9.0360e-003
tblVehicleEF	UBUS	2.5010e-003	4.6600e-004

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tblVehicleEF	UBUS	3.55	5.97
tblVehicleEF	UBUS	0.03	0.07
tblVehicleEF	UBUS	0.75	0.05
tblVehicleTrips	CC_TTP	48.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CW_TL	16.60	40.00
tblVehicleTrips	CW_TTP	33.00	0.00
tblVehicleTrips	CW_TTP	0.00	100.00
tblVehicleTrips	DV_TP	28.00	0.00
tblVehicleTrips	PB_TP	6.00	0.00
tblVehicleTrips	PR_TP	66.00	0.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	1.32	1.83
tblVehicleTrips	ST_TR	0.00	0.17
tblVehicleTrips	ST_TR	1.68	0.14
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	0.68	4.59
tblVehicleTrips	SU_TR	0.00	0.41
tblVehicleTrips	SU_TR	1.68	0.06
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	6.97	4.56
tblVehicleTrips	WD_TR	0.00	0.45
tblVehicleTrips	WD_TR	1.68	1.26

2.0 Emissions Summary

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2.1 Overall Construction

Unmitigated Construction

[illegible]

Mitigated Construction

[illegible][illegible]

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Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
		Highest		

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.5137	8.0000e-005	8.6600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0168	0.0168	4.0000e-005	0.0000	0.0179
Energy	4.9600e-003	0.0451	0.0379	2.7000e-004		3.4300e-003	3.4300e-003		3.4300e-003	3.4300e-003	0.0000	266.4163	266.4163	9.7900e-003	2.8200e-003	267.5027
Mobile	0.2252	2.4577	2.3683	0.0144	0.8429	0.0240	0.8669	0.2291	0.0229	0.2520	0.0000	1,385.0684	1,385.0684	0.0555	0.0000	1,386.4553
Offroad	0.0445	0.4627	0.2769	1.1600e-003		0.0160	0.0160		0.0147	0.0147	0.0000	101.5843	101.5843	0.0329	0.0000	102.4057
Waste						0.0000	0.0000		0.0000	0.0000	27.3612	0.0000	27.3612	1.6170	0.0000	67.7861
Water						0.0000	0.0000		0.0000	0.0000	9.0679	98.0692	107.1371	0.9354	0.0229	137.3332
Total	0.7884	2.9655	2.6917	0.0158	0.8429	0.0434	0.8863	0.2291	0.0410	0.2701	36.4291	1,851.1550	1,887.5840	2.6505	0.0257	1,961.5009

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2.2 Overall Operational**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.5137	8.0000e-005	8.6600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0168	0.0168	4.0000e-005	0.0000	0.0179
Energy	4.9600e-003	0.0451	0.0379	2.7000e-004		3.4300e-003	3.4300e-003		3.4300e-003	3.4300e-003	0.0000	266.4163	266.4163	9.7900e-003	2.8200e-003	267.5027
Mobile	0.2252	2.4577	2.3683	0.0144	0.8429	0.0240	0.8669	0.2291	0.0229	0.2520	0.0000	1,385.0684	1,385.0684	0.0555	0.0000	1,386.4553
Offroad	0.0445	0.4627	0.2769	1.1600e-003		0.0160	0.0160		0.0147	0.0147	0.0000	101.5843	101.5843	0.0329	0.0000	102.4057
Waste						0.0000	0.0000		0.0000	0.0000	27.3612	0.0000	27.3612	1.6170	0.0000	67.7861
Water						0.0000	0.0000		0.0000	0.0000	9.0679	98.0692	107.1371	0.9354	0.0229	137.3332
Total	0.7884	2.9655	2.6917	0.0158	0.8429	0.0434	0.8863	0.2291	0.0410	0.2701	36.4291	1,851.1550	1,887.5840	2.6505	0.0257	1,961.5009

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	8/16/2021	9/10/2021	5	20	

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Acres of Grading (Site Preparation Phase): 0**Acres of Grading (Grading Phase): 0****Acres of Paving: 2.65****Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)****OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Excavators	0	8.00	158	0.38
Demolition	Rubber Tired Dozers	0	8.00	247	0.40

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	0	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

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3.2 Demolition - 2021

Unmitigated Construction On-Site

[illegible]

Unmitigated Construction Off-Site

[illegible]

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3.2 Demolition - 2021**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.0 Operational Detail - Mobile

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4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.2252	2.4577	2.3683	0.0144	0.8429	0.0240	0.8669	0.2291	0.0229	0.2520	0.0000	1,385.0684	1,385.0684	0.0555	0.0000	1,386.4553
Unmitigated	0.2252	2.4577	2.3683	0.0144	0.8429	0.0240	0.8669	0.2291	0.0229	0.2520	0.0000	1,385.0684	1,385.0684	0.0555	0.0000	1,386.4553

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
General Light Industry	281.80	113.09	283.65	1,142,330	1,142,330
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
User Defined Industrial	56.91	21.35	51.49	743,342	743,342
Unrefrigerated Warehouse-No Rail	77.86	8.65	3.71	245,927	245,927
Total	416.57	143.09	338.85	2,131,599	2,131,599

4.3 Trip Type Information

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Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
User Defined Industrial	40.00	8.40	6.90	100.00	0.00	0.00	100	0	0
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
General Light Industry	0.593400	0.048800	0.221500	0.130700	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.005600	0.000000	0.000000
Other Asphalt Surfaces	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
Parking Lot	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
User Defined Industrial	0.000000	0.000000	0.000000	0.000000	0.121800	0.048000	0.207500	0.622700	0.000000	0.000000	0.000000	0.000000	0.000000
Unrefrigerated Warehouse-No Rail	0.593400	0.048800	0.221500	0.130700	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.005600	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	217.3454	217.3454	8.8500e-003	1.9200e-003	218.1402
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	217.3454	217.3454	8.8500e-003	1.9200e-003	218.1402
NaturalGas Mitigated	4.9600e-003	0.0451	0.0379	2.7000e-004		3.4300e-003	3.4300e-003		3.4300e-003	3.4300e-003	0.0000	49.0709	49.0709	9.4000e-004	9.0000e-004	49.3625
NaturalGas Unmitigated	4.9600e-003	0.0451	0.0379	2.7000e-004		3.4300e-003	3.4300e-003		3.4300e-003	3.4300e-003	0.0000	49.0709	49.0709	9.4000e-004	9.0000e-004	49.3625

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5.2 Energy by Land Use - NaturalGas**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Light Industry	865790	4.6700e-003	0.0424	0.0357	2.5000e-004		3.2300e-003	3.2300e-003		3.2300e-003	3.2300e-003	0.0000	46.2019	46.2019	8.9000e-004	8.5000e-004	46.4764
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	53763.4	2.9000e-004	2.6400e-003	2.2100e-003	2.0000e-005		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004	0.0000	2.8690	2.8690	5.0000e-005	5.0000e-005	2.8861
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		4.9600e-003	0.0451	0.0379	2.7000e-004		3.4300e-003	3.4300e-003		3.4300e-003	3.4300e-003	0.0000	49.0709	49.0709	9.4000e-004	9.0000e-004	49.3625

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5.2 Energy by Land Use - NaturalGas**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Light Industry	865790	4.6700e-003	0.0424	0.0357	2.5000e-004		3.2300e-003	3.2300e-003		3.2300e-003	3.2300e-003	0.0000	46.2019	46.2019	8.9000e-004	8.5000e-004	46.4764
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	53763.4	2.9000e-004	2.6400e-003	2.2100e-003	2.0000e-005		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004	0.0000	2.8690	2.8690	5.0000e-005	5.0000e-005	2.8861
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		4.9600e-003	0.0451	0.0379	2.7000e-004		3.4300e-003	3.4300e-003		3.4300e-003	3.4300e-003	0.0000	49.0709	49.0709	9.4000e-004	9.0000e-004	49.3625

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5.3 Energy by Land Use - Electricity**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
General Light Industry	587081	150.3664	6.1200e-003	1.3300e-003	150.9163
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	20500.2	5.2506	2.1000e-004	5.0000e-005	5.2698
Unrefrigerated Warehouse-No Rail	241008	61.7284	2.5100e-003	5.5000e-004	61.9541
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		217.3454	8.8400e-003	1.9300e-003	218.1402

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5.3 Energy by Land Use - Electricity**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
General Light Industry	587081	150.3664	6.1200e-003	1.3300e-003	150.9163
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	20500.2	5.2506	2.1000e-004	5.0000e-005	5.2698
Unrefrigerated Warehouse-No Rail	241008	61.7284	2.5100e-003	5.5000e-004	61.9541
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		217.3454	8.8400e-003	1.9300e-003	218.1402

6.0 Area Detail**6.1 Mitigation Measures Area**

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.5137	8.0000e-005	8.6600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0168	0.0168	4.0000e-005	0.0000	0.0179
Unmitigated	0.5137	8.0000e-005	8.6600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0168	0.0168	4.0000e-005	0.0000	0.0179

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0588					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.4541					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	8.1000e-004	8.0000e-005	8.6600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0168	0.0168	4.0000e-005	0.0000	0.0179
Total	0.5137	8.0000e-005	8.6600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0168	0.0168	4.0000e-005	0.0000	0.0179

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6.2 Area by SubCategory**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0588					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.4541					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	8.1000e-004	8.0000e-005	8.6600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0168	0.0168	4.0000e-005	0.0000	0.0179
Total	0.5137	8.0000e-005	8.6600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0168	0.0168	4.0000e-005	0.0000	0.0179

7.0 Water Detail**7.1 Mitigation Measures Water**

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	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	107.1371	0.9354	0.0229	137.3332
Unmitigated	107.1371	0.9354	0.0229	137.3332

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7.2 Water by Land Use**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 0.9651	2.7462	1.1000e-004	2.0000e-005	2.7563
General Light Industry	14.2913 / 0	52.1954	0.4676	0.0114	67.2885
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	14.2913 / 0	52.1954	0.4676	0.0114	67.2885
User Defined Industrial	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		107.1371	0.9354	0.0229	137.3332

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7.2 Water by Land Use**Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 0.9651	2.7462	1.1000e-004	2.0000e-005	2.7563
General Light Industry	14.2913 / 0	52.1954	0.4676	0.0114	67.2885
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	14.2913 / 0	52.1954	0.4676	0.0114	67.2885
User Defined Industrial	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		107.1371	0.9354	0.0229	137.3332

8.0 Waste Detail**8.1 Mitigation Measures Waste**

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Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	27.3612	1.6170	0.0000	67.7861
Unmitigated	27.3612	1.6170	0.0000	67.7861

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8.2 Waste by Land Use**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.07	0.0142	8.4000e-004	0.0000	0.0352
General Light Industry	76.63	15.5552	0.9193	0.0000	38.5373
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	58.09	11.7918	0.6969	0.0000	29.2136
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		27.3612	1.6170	0.0000	67.7861

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8.2 Waste by Land Use**Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.07	0.0142	8.4000e-004	0.0000	0.0352
General Light Industry	76.63	15.5552	0.9193	0.0000	38.5373
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	58.09	11.7918	0.6969	0.0000	29.2136
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		27.3612	1.6170	0.0000	67.7861

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Tractors/Loaders/Backhoes	2	4.00	365	200	0.37	CNG

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UnMitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	tons/yr										MT/yr					
Tractors/Loaders/Backhoes	0.0445	0.4627	0.2769	1.1600e-003		0.0160	0.0160		0.0147	0.0147	0.0000	101.5843	101.5843	0.0329	0.0000	102.4057
Total	0.0445	0.4627	0.2769	1.1600e-003		0.0160	0.0160		0.0147	0.0147	0.0000	101.5843	101.5843	0.0329	0.0000	102.4057

10.0 Stationary Equipment**Fire Pumps and Emergency Generators**

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
----------------	--------	-----------	------------	-------------	-------------	-----------

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

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APPENDIX 4.3:

CALEEMOD CURRENTLY ADOPTED OPERATIONAL MODEL OUTPUTS

San Francisco Avenue (Currently Approved Operations) - Los Angeles-South Coast County, Annual

San Francisco Avenue (Currently Approved Operations)
Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	137.43	1000sqft	3.16	137,432.00	0
User Defined Industrial	137.43	User Defined Unit	0.00	0.00	0
Other Asphalt Surfaces	3.14	Acre	3.14	136,778.40	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9			Operational Year	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	564.66	CH4 Intensity (lb/MWhr)	0.023	N2O Intensity (lb/MWhr)	0.005

1.3 User Entered Comments & Non-Default Data

San Francisco Avenue (Currently Approved Operations) - Los Angeles-South Coast County, Annual

Project Characteristics - Intensity factors adjusted to reflect the RPS for the 2022 Opening Year

Land Use - Total Project area is approximately 6.3 acres

Construction Phase - Operations run only

Off-road Equipment - Operations run only

Trips and VMT - Operations run only

Vehicle Trips - Trip characteristics based on information provided in the Traffic Assessment

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Energy Use - The Project will design building shells and building components to meet 2019 Title 24 Standards which expects 30% less energy for nonresidential uses

Operational Off-Road Equipment - Based on SCAQMD High Cube Warehouse Truck Trip Study White Paper Summary of Business Survey Results (2014)

Fleet Mix - Passenger Car Mix estimated based on the CalEEMod default fleet mix and the ratio of the vehicle classes (LDA, LDT1, LDT2, MDV, & MCY). Truck Mix based on information in the Traffic Analysis

Water And Wastewater -

Table Name	Column Name	Default Value	New Value
tblFleetMix	HHD	0.03	0.00
tblFleetMix	HHD	0.03	0.63
tblFleetMix	LDA	0.55	0.00
tblFleetMix	LDA	0.55	0.00
tblFleetMix	LDT1	0.04	0.00
tblFleetMix	LDT1	0.04	0.00
tblFleetMix	LDT2	0.20	0.00
tblFleetMix	LDT2	0.20	0.00
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD1	0.02	0.12
tblFleetMix	LHD2	6.1960e-003	0.00

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tblFleetMix	LHD2	6.1960e-003	0.05
tblFleetMix	MCY	5.1420e-003	0.00
tblFleetMix	MCY	5.1420e-003	0.00
tblFleetMix	MDV	0.12	0.00
tblFleetMix	MDV	0.12	0.00
tblFleetMix	MH	8.7600e-004	0.00
tblFleetMix	MH	8.7600e-004	0.00
tblFleetMix	MHD	0.02	0.00
tblFleetMix	MHD	0.02	0.21
tblFleetMix	OBUS	2.5150e-003	0.00
tblFleetMix	OBUS	2.5150e-003	0.00
tblFleetMix	SBUS	6.8700e-004	0.00
tblFleetMix	SBUS	6.8700e-004	0.00
tblFleetMix	UBUS	2.2010e-003	0.00
tblFleetMix	UBUS	2.2010e-003	0.00
tblLandUse	LandUseSquareFeet	137,430.00	137,432.00
tblLandUse	LotAcreage	3.15	3.16
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	365.00
tblOperationalOffRoadEquipment	OperFuelType	Diesel	CNG
tblOperationalOffRoadEquipment	OperHorsePower	97.00	200.00
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	4.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	1.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.023
tblProjectCharacteristics	CO2IntensityFactor	702.44	564.66

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tblProjectCharacteristics	N2OIntensityFactor	0.006	0.005
tblVehicleEF	HHD	0.62	0.03
tblVehicleEF	HHD	0.09	0.08
tblVehicleEF	HHD	0.08	1.0000e-006
tblVehicleEF	HHD	2.47	6.23
tblVehicleEF	HHD	1.15	0.58
tblVehicleEF	HHD	3.30	9.5390e-003
tblVehicleEF	HHD	4,690.45	1,172.50
tblVehicleEF	HHD	1,639.83	1,482.70
tblVehicleEF	HHD	10.54	0.09
tblVehicleEF	HHD	20.39	6.32
tblVehicleEF	HHD	3.81	3.60
tblVehicleEF	HHD	19.54	2.06
tblVehicleEF	HHD	0.01	3.9370e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	8.7000e-005	2.0000e-006
tblVehicleEF	HHD	0.01	3.7670e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8380e-003	8.8970e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	8.0000e-005	1.0000e-006
tblVehicleEF	HHD	1.0500e-004	7.0000e-006
tblVehicleEF	HHD	4.6110e-003	2.7700e-004
tblVehicleEF	HHD	0.62	0.45
tblVehicleEF	HHD	7.9000e-005	5.0000e-006

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tblVehicleEF	HHD	0.15	0.08
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tblVehicleEF	HHD	0.08	3.0000e-006
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tblVehicleEF	HHD	0.02	0.01
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tblVehicleEF	HHD	1.0500e-004	7.0000e-006
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tblVehicleEF	HHD	3.9500e-004	1.5080e-003
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tblVehicleEF	HHD	0.58	0.03
tblVehicleEF	HHD	0.10	0.08
tblVehicleEF	HHD	0.07	1.0000e-006
tblVehicleEF	HHD	1.80	6.09
tblVehicleEF	HHD	1.16	0.59
tblVehicleEF	HHD	3.13	9.0610e-003
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tblVehicleEF	HHD	1,639.83	1,482.70
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tblVehicleEF	HHD	19.53	2.06
tblVehicleEF	HHD	0.01	3.4420e-003
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tblVehicleEF	HHD	0.04	0.04
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tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8380e-003	8.8970e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	8.0000e-005	1.0000e-006
tblVehicleEF	HHD	1.6000e-004	1.1000e-005
tblVehicleEF	HHD	4.7280e-003	2.8200e-004
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tblVehicleEF	HHD	0.09	3.6360e-003

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tblVehicleEF	HHD	0.08	1.0000e-006
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tblVehicleEF	HHD	19.55	2.06
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tblVehicleEF	HHD	0.02	4.1820e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8380e-003	8.7580e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	8.0000e-005	1.0000e-006
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tblVehicleEF	HHD	7.7000e-005	5.0000e-006
tblVehicleEF	HHD	0.15	0.08
tblVehicleEF	HHD	4.2900e-004	1.6010e-003
tblVehicleEF	HHD	0.08	3.0000e-006

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tblVehicleEF	HHD	0.04	0.01
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tblVehicleEF	HHD	1.0300e-004	8.0000e-006
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tblVehicleEF	HHD	7.7000e-005	5.0000e-006
tblVehicleEF	HHD	0.25	0.09
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tblVehicleEF	LDA	0.07	0.18
tblVehicleEF	LDA	2.1700e-003	1.8010e-003
tblVehicleEF	LDA	2.2660e-003	1.8420e-003
tblVehicleEF	LDA	2.0000e-003	1.6590e-003
tblVehicleEF	LDA	2.0830e-003	1.6940e-003
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.21

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tblVehicleEF	LDA	0.07	0.22
tblVehicleEF	LDA	2.7480e-003	2.6780e-003
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tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.21
tblVehicleEF	LDA	0.08	0.25
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tblVehicleEF	LDA	4.8010e-003	0.04
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tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.06	0.17
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tblVehicleEF	LDA	2.2660e-003	1.8420e-003
tblVehicleEF	LDA	2.0000e-003	1.6590e-003
tblVehicleEF	LDA	2.0830e-003	1.6940e-003
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.11	0.10
tblVehicleEF	LDA	0.05	0.07
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.20
tblVehicleEF	LDA	0.06	0.20

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tblVehicleEF	LDA	2.8760e-003	2.7950e-003
tblVehicleEF	LDA	5.8700e-004	5.2200e-004
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tblVehicleEF	LDA	0.11	0.10
tblVehicleEF	LDA	0.05	0.07
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.20
tblVehicleEF	LDA	0.07	0.22
tblVehicleEF	LDA	5.2330e-003	2.9600e-003
tblVehicleEF	LDA	5.5300e-003	0.05
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tblVehicleEF	LDA	0.07	0.19
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tblVehicleEF	LDA	2.0000e-003	1.6590e-003
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tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.05	0.24
tblVehicleEF	LDA	0.07	0.23
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tblVehicleEF	LDA	5.9100e-004	5.2800e-004
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tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.05	0.24
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tblVehicleEF	LDT1	0.01	0.07
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tblVehicleEF	LDT1	341.15	320.55
tblVehicleEF	LDT1	69.44	63.67
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tblVehicleEF	LDT1	0.16	0.26
tblVehicleEF	LDT1	3.5390e-003	2.7170e-003
tblVehicleEF	LDT1	3.4320e-003	2.6310e-003
tblVehicleEF	LDT1	3.2590e-003	2.5000e-003
tblVehicleEF	LDT1	3.1560e-003	2.4190e-003
tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	0.26	0.20
tblVehicleEF	LDT1	0.11	0.11
tblVehicleEF	LDT1	0.04	0.03
tblVehicleEF	LDT1	0.17	0.69
tblVehicleEF	LDT1	0.19	0.35
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tblVehicleEF	LDT1	7.4300e-004	6.2600e-004

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tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	0.26	0.20
tblVehicleEF	LDT1	0.11	0.11
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tblVehicleEF	LDT1	3.2590e-003	2.5000e-003
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tblVehicleEF	LDT1	0.28	0.21
tblVehicleEF	LDT1	0.15	0.15
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.16	0.64
tblVehicleEF	LDT1	0.17	0.31
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tblVehicleEF	LDT1	7.3600e-004	6.1900e-004
tblVehicleEF	LDT1	0.20	0.20

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tblVehicleEF	LDT1	0.28	0.21
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tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.16	0.64
tblVehicleEF	LDT1	0.18	0.34
tblVehicleEF	LDT1	0.02	7.5820e-003
tblVehicleEF	LDT1	0.01	0.07
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tblVehicleEF	LDT1	69.44	63.82
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tblVehicleEF	LDT1	0.16	0.26
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tblVehicleEF	LDT1	3.4320e-003	2.6310e-003
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tblVehicleEF	LDT1	3.1560e-003	2.4190e-003
tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	0.30	0.22
tblVehicleEF	LDT1	0.10	0.10
tblVehicleEF	LDT1	0.04	0.03
tblVehicleEF	LDT1	0.20	0.82
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tblVehicleEF	LDT1	0.30	0.22

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tblVehicleEF	LDT1	0.10	0.10
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tblVehicleEF	LDT2	1.35	2.65
tblVehicleEF	LDT2	381.91	343.42
tblVehicleEF	LDT2	78.07	68.73
tblVehicleEF	LDT2	0.08	0.09
tblVehicleEF	LDT2	0.11	0.28
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tblVehicleEF	LDT2	2.3580e-003	1.8910e-003
tblVehicleEF	LDT2	1.9790e-003	1.7590e-003
tblVehicleEF	LDT2	2.1690e-003	1.7390e-003
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.10	0.12
tblVehicleEF	LDT2	0.05	0.07
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.41
tblVehicleEF	LDT2	0.09	0.31
tblVehicleEF	LDT2	3.8260e-003	3.3760e-003
tblVehicleEF	LDT2	8.0300e-004	6.7600e-004
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.10	0.12
tblVehicleEF	LDT2	0.05	0.07

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tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.06	0.41
tblVehicleEF	LDT2	0.09	0.34
tblVehicleEF	LDT2	7.6530e-003	5.2910e-003
tblVehicleEF	LDT2	5.6920e-003	0.06
tblVehicleEF	LDT2	0.92	1.12
tblVehicleEF	LDT2	1.15	2.26
tblVehicleEF	LDT2	399.04	355.31
tblVehicleEF	LDT2	78.07	67.99
tblVehicleEF	LDT2	0.07	0.08
tblVehicleEF	LDT2	0.10	0.26
tblVehicleEF	LDT2	2.1510e-003	1.9110e-003
tblVehicleEF	LDT2	2.3580e-003	1.8910e-003
tblVehicleEF	LDT2	1.9790e-003	1.7590e-003
tblVehicleEF	LDT2	2.1690e-003	1.7390e-003
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.10	0.13
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.38
tblVehicleEF	LDT2	0.08	0.28
tblVehicleEF	LDT2	3.9980e-003	3.4930e-003
tblVehicleEF	LDT2	8.0000e-004	6.6800e-004
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.10	0.13
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.03	0.03

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tblVehicleEF	LDT2	0.06	0.38
tblVehicleEF	LDT2	0.08	0.31
tblVehicleEF	LDT2	7.0750e-003	4.8730e-003
tblVehicleEF	LDT2	6.5470e-003	0.07
tblVehicleEF	LDT2	0.81	0.99
tblVehicleEF	LDT2	1.39	2.74
tblVehicleEF	LDT2	375.62	339.02
tblVehicleEF	LDT2	78.07	68.90
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.11	0.28
tblVehicleEF	LDT2	2.1510e-003	1.9110e-003
tblVehicleEF	LDT2	2.3580e-003	1.8910e-003
tblVehicleEF	LDT2	1.9790e-003	1.7590e-003
tblVehicleEF	LDT2	2.1690e-003	1.7390e-003
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.11	0.13
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.48
tblVehicleEF	LDT2	0.09	0.32
tblVehicleEF	LDT2	3.7630e-003	3.3320e-003
tblVehicleEF	LDT2	8.0400e-004	6.7700e-004
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.11	0.13
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.07	0.48

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tblVehicleEF	LDT2	0.10	0.35
tblVehicleEF	LHD1	5.5970e-003	5.6110e-003
tblVehicleEF	LHD1	0.01	5.6770e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.19
tblVehicleEF	LHD1	0.84	0.65
tblVehicleEF	LHD1	2.79	1.14
tblVehicleEF	LHD1	8.92	8.88
tblVehicleEF	LHD1	603.81	667.04
tblVehicleEF	LHD1	33.34	12.48
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.95	0.63
tblVehicleEF	LHD1	1.01	0.34
tblVehicleEF	LHD1	8.2600e-004	7.5000e-004
tblVehicleEF	LHD1	0.01	9.6680e-003
tblVehicleEF	LHD1	9.1270e-003	6.2840e-003
tblVehicleEF	LHD1	1.0140e-003	2.8500e-004
tblVehicleEF	LHD1	7.9000e-004	7.1700e-004
tblVehicleEF	LHD1	2.5160e-003	2.4170e-003
tblVehicleEF	LHD1	8.7050e-003	5.9830e-003
tblVehicleEF	LHD1	9.3300e-004	2.6200e-004
tblVehicleEF	LHD1	3.1460e-003	2.5540e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.9140e-003	1.5610e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.31	0.55

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tblVehicleEF	LHD1	0.27	0.08
tblVehicleEF	LHD1	9.0000e-005	8.6000e-005
tblVehicleEF	LHD1	5.9300e-003	6.5150e-003
tblVehicleEF	LHD1	3.8500e-004	1.2400e-004
tblVehicleEF	LHD1	3.1460e-003	2.5540e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.9140e-003	1.5610e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.31	0.55
tblVehicleEF	LHD1	0.29	0.09
tblVehicleEF	LHD1	5.5970e-003	5.6230e-003
tblVehicleEF	LHD1	0.01	5.7930e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.19
tblVehicleEF	LHD1	0.85	0.66
tblVehicleEF	LHD1	2.66	1.09
tblVehicleEF	LHD1	8.92	8.88
tblVehicleEF	LHD1	603.81	667.06
tblVehicleEF	LHD1	33.34	12.39
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.89	0.59
tblVehicleEF	LHD1	0.96	0.32
tblVehicleEF	LHD1	8.2600e-004	7.5000e-004
tblVehicleEF	LHD1	0.01	9.6680e-003
tblVehicleEF	LHD1	9.1270e-003	6.2840e-003
tblVehicleEF	LHD1	1.0140e-003	2.8500e-004

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tblVehicleEF	LHD1	7.9000e-004	7.1700e-004
tblVehicleEF	LHD1	2.5160e-003	2.4170e-003
tblVehicleEF	LHD1	8.7050e-003	5.9830e-003
tblVehicleEF	LHD1	9.3300e-004	2.6200e-004
tblVehicleEF	LHD1	4.7100e-003	3.7600e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.6900e-003	2.1600e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.30	0.53
tblVehicleEF	LHD1	0.26	0.08
tblVehicleEF	LHD1	9.0000e-005	8.6000e-005
tblVehicleEF	LHD1	5.9310e-003	6.5150e-003
tblVehicleEF	LHD1	3.8300e-004	1.2300e-004
tblVehicleEF	LHD1	4.7100e-003	3.7600e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	2.6900e-003	2.1600e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.30	0.53
tblVehicleEF	LHD1	0.28	0.08
tblVehicleEF	LHD1	5.5970e-003	5.6090e-003
tblVehicleEF	LHD1	0.01	5.6460e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.19
tblVehicleEF	LHD1	0.83	0.64
tblVehicleEF	LHD1	2.81	1.15

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tblVehicleEF	LHD1	8.92	8.88
tblVehicleEF	LHD1	603.81	667.03
tblVehicleEF	LHD1	33.34	12.50
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.94	0.62
tblVehicleEF	LHD1	1.01	0.34
tblVehicleEF	LHD1	8.2600e-004	7.5000e-004
tblVehicleEF	LHD1	0.01	9.6680e-003
tblVehicleEF	LHD1	9.1270e-003	6.2840e-003
tblVehicleEF	LHD1	1.0140e-003	2.8500e-004
tblVehicleEF	LHD1	7.9000e-004	7.1700e-004
tblVehicleEF	LHD1	2.5160e-003	2.4170e-003
tblVehicleEF	LHD1	8.7050e-003	5.9830e-003
tblVehicleEF	LHD1	9.3300e-004	2.6200e-004
tblVehicleEF	LHD1	3.3080e-003	2.6900e-003
tblVehicleEF	LHD1	0.12	0.09
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.8850e-003	1.5400e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.33	0.60
tblVehicleEF	LHD1	0.27	0.08
tblVehicleEF	LHD1	9.0000e-005	8.6000e-005
tblVehicleEF	LHD1	5.9300e-003	6.5150e-003
tblVehicleEF	LHD1	3.8600e-004	1.2400e-004
tblVehicleEF	LHD1	3.3080e-003	2.6900e-003
tblVehicleEF	LHD1	0.12	0.09
tblVehicleEF	LHD1	0.02	0.03

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tblVehicleEF	LHD1	1.8850e-003	1.5400e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.33	0.60
tblVehicleEF	LHD1	0.29	0.09
tblVehicleEF	LHD2	4.0020e-003	3.9440e-003
tblVehicleEF	LHD2	4.2980e-003	3.9460e-003
tblVehicleEF	LHD2	8.5190e-003	0.01
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.34	0.44
tblVehicleEF	LHD2	1.37	0.77
tblVehicleEF	LHD2	13.57	13.40
tblVehicleEF	LHD2	617.83	668.37
tblVehicleEF	LHD2	27.88	9.65
tblVehicleEF	LHD2	0.09	0.08
tblVehicleEF	LHD2	0.65	0.81
tblVehicleEF	LHD2	0.55	0.23
tblVehicleEF	LHD2	1.1620e-003	1.2440e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8510e-003	9.8680e-003
tblVehicleEF	LHD2	4.6900e-004	1.6300e-004
tblVehicleEF	LHD2	1.1110e-003	1.1900e-003
tblVehicleEF	LHD2	2.6540e-003	2.6300e-003
tblVehicleEF	LHD2	8.4540e-003	9.4240e-003
tblVehicleEF	LHD2	4.3100e-004	1.5000e-004
tblVehicleEF	LHD2	1.1380e-003	1.5770e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02

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tblVehicleEF	LHD2	7.4500e-004	9.7800e-004
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.08	0.35
tblVehicleEF	LHD2	0.11	0.06
tblVehicleEF	LHD2	1.3300e-004	1.2900e-004
tblVehicleEF	LHD2	6.0210e-003	6.4710e-003
tblVehicleEF	LHD2	3.0400e-004	9.5000e-005
tblVehicleEF	LHD2	1.1380e-003	1.5770e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.4500e-004	9.7800e-004
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.08	0.35
tblVehicleEF	LHD2	0.13	0.06
tblVehicleEF	LHD2	4.0020e-003	3.9530e-003
tblVehicleEF	LHD2	4.3570e-003	3.9910e-003
tblVehicleEF	LHD2	8.2260e-003	0.01
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.35	0.44
tblVehicleEF	LHD2	1.31	0.74
tblVehicleEF	LHD2	13.57	13.40
tblVehicleEF	LHD2	617.83	668.38
tblVehicleEF	LHD2	27.88	9.59
tblVehicleEF	LHD2	0.09	0.08
tblVehicleEF	LHD2	0.61	0.76
tblVehicleEF	LHD2	0.53	0.22
tblVehicleEF	LHD2	1.1620e-003	1.2440e-003

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tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8510e-003	9.8680e-003
tblVehicleEF	LHD2	4.6900e-004	1.6300e-004
tblVehicleEF	LHD2	1.1110e-003	1.1900e-003
tblVehicleEF	LHD2	2.6540e-003	2.6300e-003
tblVehicleEF	LHD2	8.4540e-003	9.4240e-003
tblVehicleEF	LHD2	4.3100e-004	1.5000e-004
tblVehicleEF	LHD2	1.6960e-003	2.3210e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.0400e-003	1.3550e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.08	0.34
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	1.3300e-004	1.2900e-004
tblVehicleEF	LHD2	6.0210e-003	6.4710e-003
tblVehicleEF	LHD2	3.0300e-004	9.5000e-005
tblVehicleEF	LHD2	1.6960e-003	2.3210e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.0400e-003	1.3550e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.08	0.34
tblVehicleEF	LHD2	0.12	0.06
tblVehicleEF	LHD2	4.0020e-003	3.9420e-003
tblVehicleEF	LHD2	4.2820e-003	3.9330e-003
tblVehicleEF	LHD2	8.5780e-003	0.01

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tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.34	0.43
tblVehicleEF	LHD2	1.38	0.78
tblVehicleEF	LHD2	13.57	13.40
tblVehicleEF	LHD2	617.83	668.37
tblVehicleEF	LHD2	27.88	9.66
tblVehicleEF	LHD2	0.09	0.08
tblVehicleEF	LHD2	0.64	0.80
tblVehicleEF	LHD2	0.56	0.24
tblVehicleEF	LHD2	1.1620e-003	1.2440e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8510e-003	9.8680e-003
tblVehicleEF	LHD2	4.6900e-004	1.6300e-004
tblVehicleEF	LHD2	1.1110e-003	1.1900e-003
tblVehicleEF	LHD2	2.6540e-003	2.6300e-003
tblVehicleEF	LHD2	8.4540e-003	9.4240e-003
tblVehicleEF	LHD2	4.3100e-004	1.5000e-004
tblVehicleEF	LHD2	1.1610e-003	1.6340e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.2300e-004	9.5000e-004
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.09	0.39
tblVehicleEF	LHD2	0.12	0.06
tblVehicleEF	LHD2	1.3300e-004	1.2900e-004
tblVehicleEF	LHD2	6.0210e-003	6.4710e-003
tblVehicleEF	LHD2	3.0400e-004	9.6000e-005

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tblVehicleEF	LHD2	1.1610e-003	1.6340e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.2300e-004	9.5000e-004
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.09	0.39
tblVehicleEF	LHD2	0.13	0.06
tblVehicleEF	MCY	0.54	0.38
tblVehicleEF	MCY	0.15	0.23
tblVehicleEF	MCY	18.94	19.11
tblVehicleEF	MCY	9.66	8.52
tblVehicleEF	MCY	188.92	223.68
tblVehicleEF	MCY	44.52	59.56
tblVehicleEF	MCY	1.13	1.13
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	2.4360e-003	2.4430e-003
tblVehicleEF	MCY	3.8630e-003	3.2940e-003
tblVehicleEF	MCY	2.2770e-003	2.2830e-003
tblVehicleEF	MCY	3.6360e-003	3.1000e-003
tblVehicleEF	MCY	1.06	1.08
tblVehicleEF	MCY	0.63	0.65
tblVehicleEF	MCY	0.65	0.66
tblVehicleEF	MCY	2.60	2.61
tblVehicleEF	MCY	0.60	1.98
tblVehicleEF	MCY	2.05	1.81
tblVehicleEF	MCY	2.2780e-003	2.2130e-003
tblVehicleEF	MCY	6.6300e-004	5.8900e-004

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tblVehicleEF	MCY	1.06	1.08
tblVehicleEF	MCY	0.63	0.65
tblVehicleEF	MCY	0.65	0.66
tblVehicleEF	MCY	3.23	3.25
tblVehicleEF	MCY	0.60	1.98
tblVehicleEF	MCY	2.23	1.97
tblVehicleEF	MCY	0.53	0.37
tblVehicleEF	MCY	0.13	0.21
tblVehicleEF	MCY	18.24	18.37
tblVehicleEF	MCY	8.82	7.76
tblVehicleEF	MCY	188.92	222.28
tblVehicleEF	MCY	44.52	57.67
tblVehicleEF	MCY	0.99	0.99
tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	2.4360e-003	2.4430e-003
tblVehicleEF	MCY	3.8630e-003	3.2940e-003
tblVehicleEF	MCY	2.2770e-003	2.2830e-003
tblVehicleEF	MCY	3.6360e-003	3.1000e-003
tblVehicleEF	MCY	1.73	1.72
tblVehicleEF	MCY	0.70	0.71
tblVehicleEF	MCY	1.07	1.07
tblVehicleEF	MCY	2.54	2.55
tblVehicleEF	MCY	0.56	1.86
tblVehicleEF	MCY	1.83	1.61
tblVehicleEF	MCY	2.2650e-003	2.2000e-003
tblVehicleEF	MCY	6.4300e-004	5.7100e-004
tblVehicleEF	MCY	1.73	1.72

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tblVehicleEF	MCY	0.70	0.71
tblVehicleEF	MCY	1.07	1.07
tblVehicleEF	MCY	3.16	3.17
tblVehicleEF	MCY	0.56	1.86
tblVehicleEF	MCY	1.99	1.75
tblVehicleEF	MCY	0.54	0.38
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	19.04	19.25
tblVehicleEF	MCY	9.80	8.66
tblVehicleEF	MCY	188.92	223.96
tblVehicleEF	MCY	44.52	59.94
tblVehicleEF	MCY	1.11	1.11
tblVehicleEF	MCY	0.31	0.27
tblVehicleEF	MCY	2.4360e-003	2.4430e-003
tblVehicleEF	MCY	3.8630e-003	3.2940e-003
tblVehicleEF	MCY	2.2770e-003	2.2830e-003
tblVehicleEF	MCY	3.6360e-003	3.1000e-003
tblVehicleEF	MCY	1.16	1.18
tblVehicleEF	MCY	0.82	0.84
tblVehicleEF	MCY	0.62	0.64
tblVehicleEF	MCY	2.61	2.63
tblVehicleEF	MCY	0.69	2.28
tblVehicleEF	MCY	2.09	1.86
tblVehicleEF	MCY	2.2800e-003	2.2160e-003
tblVehicleEF	MCY	6.6700e-004	5.9300e-004
tblVehicleEF	MCY	1.16	1.18
tblVehicleEF	MCY	0.82	0.84

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tblVehicleEF	MCY	0.62	0.64
tblVehicleEF	MCY	3.25	3.26
tblVehicleEF	MCY	0.69	2.28
tblVehicleEF	MCY	2.28	2.02
tblVehicleEF	MDV	0.01	6.5350e-003
tblVehicleEF	MDV	0.01	0.08
tblVehicleEF	MDV	1.33	1.22
tblVehicleEF	MDV	2.48	3.10
tblVehicleEF	MDV	512.22	421.49
tblVehicleEF	MDV	103.14	83.59
tblVehicleEF	MDV	0.15	0.11
tblVehicleEF	MDV	0.22	0.34
tblVehicleEF	MDV	2.3560e-003	2.0880e-003
tblVehicleEF	MDV	2.5140e-003	2.0610e-003
tblVehicleEF	MDV	2.1720e-003	1.9250e-003
tblVehicleEF	MDV	2.3120e-003	1.8950e-003
tblVehicleEF	MDV	0.07	0.08
tblVehicleEF	MDV	0.15	0.14
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.09	0.43
tblVehicleEF	MDV	0.19	0.40
tblVehicleEF	MDV	5.1310e-003	4.1410e-003
tblVehicleEF	MDV	1.0750e-003	8.2200e-004
tblVehicleEF	MDV	0.07	0.08
tblVehicleEF	MDV	0.15	0.14
tblVehicleEF	MDV	0.07	0.09

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tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.09	0.43
tblVehicleEF	MDV	0.21	0.44
tblVehicleEF	MDV	0.01	6.9310e-003
tblVehicleEF	MDV	0.01	0.07
tblVehicleEF	MDV	1.45	1.32
tblVehicleEF	MDV	2.12	2.63
tblVehicleEF	MDV	534.67	433.96
tblVehicleEF	MDV	103.14	82.70
tblVehicleEF	MDV	0.13	0.10
tblVehicleEF	MDV	0.20	0.32
tblVehicleEF	MDV	2.3560e-003	2.0880e-003
tblVehicleEF	MDV	2.5140e-003	2.0610e-003
tblVehicleEF	MDV	2.1720e-003	1.9250e-003
tblVehicleEF	MDV	2.3120e-003	1.8950e-003
tblVehicleEF	MDV	0.10	0.13
tblVehicleEF	MDV	0.16	0.14
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.08	0.40
tblVehicleEF	MDV	0.17	0.36
tblVehicleEF	MDV	5.3570e-003	4.2630e-003
tblVehicleEF	MDV	1.0680e-003	8.1300e-004
tblVehicleEF	MDV	0.10	0.13
tblVehicleEF	MDV	0.16	0.15
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.05	0.04

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tblVehicleEF	MDV	0.08	0.40
tblVehicleEF	MDV	0.18	0.39
tblVehicleEF	MDV	0.01	6.4070e-003
tblVehicleEF	MDV	0.01	0.08
tblVehicleEF	MDV	1.29	1.18
tblVehicleEF	MDV	2.56	3.21
tblVehicleEF	MDV	503.99	416.89
tblVehicleEF	MDV	103.14	83.79
tblVehicleEF	MDV	0.14	0.11
tblVehicleEF	MDV	0.22	0.35
tblVehicleEF	MDV	2.3560e-003	2.0880e-003
tblVehicleEF	MDV	2.5140e-003	2.0610e-003
tblVehicleEF	MDV	2.1720e-003	1.9250e-003
tblVehicleEF	MDV	2.3120e-003	1.8950e-003
tblVehicleEF	MDV	0.06	0.08
tblVehicleEF	MDV	0.16	0.15
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.10	0.50
tblVehicleEF	MDV	0.19	0.41
tblVehicleEF	MDV	5.0480e-003	4.0950e-003
tblVehicleEF	MDV	1.0760e-003	8.2400e-004
tblVehicleEF	MDV	0.06	0.08
tblVehicleEF	MDV	0.16	0.15
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.10	0.50

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tblVehicleEF	MDV	0.21	0.45
tblVehicleEF	MH	0.03	3.1210e-003
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	2.24	0.27
tblVehicleEF	MH	5.78	0.00
tblVehicleEF	MH	1,130.03	965.33
tblVehicleEF	MH	60.43	0.00
tblVehicleEF	MH	1.08	3.43
tblVehicleEF	MH	0.80	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.02	0.07
tblVehicleEF	MH	1.1280e-003	0.00
tblVehicleEF	MH	3.2020e-003	4.0000e-003
tblVehicleEF	MH	0.02	0.07
tblVehicleEF	MH	1.0370e-003	0.00
tblVehicleEF	MH	0.95	0.00
tblVehicleEF	MH	0.07	0.00
tblVehicleEF	MH	0.41	0.00
tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.33	0.00
tblVehicleEF	MH	0.01	9.1260e-003
tblVehicleEF	MH	7.0500e-004	0.00
tblVehicleEF	MH	0.95	0.00
tblVehicleEF	MH	0.07	0.00
tblVehicleEF	MH	0.41	0.00
tblVehicleEF	MH	0.12	0.08

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tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.36	0.00
tblVehicleEF	MH	0.03	3.1210e-003
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	2.30	0.27
tblVehicleEF	MH	5.44	0.00
tblVehicleEF	MH	1,130.03	965.33
tblVehicleEF	MH	60.43	0.00
tblVehicleEF	MH	0.99	3.24
tblVehicleEF	MH	0.76	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.02	0.07
tblVehicleEF	MH	1.1280e-003	0.00
tblVehicleEF	MH	3.2020e-003	4.0000e-003
tblVehicleEF	MH	0.02	0.07
tblVehicleEF	MH	1.0370e-003	0.00
tblVehicleEF	MH	1.41	0.00
tblVehicleEF	MH	0.07	0.00
tblVehicleEF	MH	0.58	0.00
tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.31	0.00
tblVehicleEF	MH	0.01	9.1260e-003
tblVehicleEF	MH	6.9900e-004	0.00
tblVehicleEF	MH	1.41	0.00
tblVehicleEF	MH	0.07	0.00
tblVehicleEF	MH	0.58	0.00

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tblVehicleEF	MH	0.12	0.08
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.34	0.00
tblVehicleEF	MH	0.03	3.1210e-003
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	2.22	0.27
tblVehicleEF	MH	5.83	0.00
tblVehicleEF	MH	1,130.03	965.33
tblVehicleEF	MH	60.43	0.00
tblVehicleEF	MH	1.06	3.37
tblVehicleEF	MH	0.80	0.00
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.02	0.07
tblVehicleEF	MH	1.1280e-003	0.00
tblVehicleEF	MH	3.2020e-003	4.0000e-003
tblVehicleEF	MH	0.02	0.07
tblVehicleEF	MH	1.0370e-003	0.00
tblVehicleEF	MH	1.08	0.00
tblVehicleEF	MH	0.08	0.00
tblVehicleEF	MH	0.42	0.00
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.33	0.00
tblVehicleEF	MH	0.01	9.1260e-003
tblVehicleEF	MH	7.0600e-004	0.00
tblVehicleEF	MH	1.08	0.00
tblVehicleEF	MH	0.08	0.00

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tblVehicleEF	MH	0.42	0.00
tblVehicleEF	MH	0.12	0.08
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.36	0.00
tblVehicleEF	MHD	0.02	4.4240e-003
tblVehicleEF	MHD	4.8560e-003	4.6020e-003
tblVehicleEF	MHD	0.05	0.01
tblVehicleEF	MHD	0.37	0.39
tblVehicleEF	MHD	0.37	0.47
tblVehicleEF	MHD	6.14	1.44
tblVehicleEF	MHD	132.92	67.32
tblVehicleEF	MHD	1,150.98	1,070.87
tblVehicleEF	MHD	63.58	12.17
tblVehicleEF	MHD	0.49	0.47
tblVehicleEF	MHD	1.14	1.63
tblVehicleEF	MHD	9.96	1.29
tblVehicleEF	MHD	2.4800e-004	1.0730e-003
tblVehicleEF	MHD	5.1090e-003	0.03
tblVehicleEF	MHD	8.4300e-004	1.3800e-004
tblVehicleEF	MHD	2.3800e-004	1.0270e-003
tblVehicleEF	MHD	4.8830e-003	0.03
tblVehicleEF	MHD	7.7600e-004	1.2700e-004
tblVehicleEF	MHD	1.1350e-003	6.6800e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	7.4200e-004	4.3000e-004
tblVehicleEF	MHD	0.05	0.06

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tblVehicleEF	MHD	0.02	0.14
tblVehicleEF	MHD	0.37	0.07
tblVehicleEF	MHD	1.2810e-003	6.4000e-004
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.4300e-004	1.2000e-004
tblVehicleEF	MHD	1.1350e-003	6.6800e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	7.4200e-004	4.3000e-004
tblVehicleEF	MHD	0.05	0.07
tblVehicleEF	MHD	0.02	0.14
tblVehicleEF	MHD	0.41	0.07
tblVehicleEF	MHD	0.02	4.1930e-003
tblVehicleEF	MHD	4.9280e-003	4.6540e-003
tblVehicleEF	MHD	0.05	0.01
tblVehicleEF	MHD	0.27	0.32
tblVehicleEF	MHD	0.38	0.48
tblVehicleEF	MHD	5.83	1.36
tblVehicleEF	MHD	140.78	68.14
tblVehicleEF	MHD	1,150.98	1,070.88
tblVehicleEF	MHD	63.58	12.05
tblVehicleEF	MHD	0.51	0.48
tblVehicleEF	MHD	1.08	1.54
tblVehicleEF	MHD	9.92	1.28
tblVehicleEF	MHD	2.0900e-004	9.0700e-004
tblVehicleEF	MHD	5.1090e-003	0.03
tblVehicleEF	MHD	8.4300e-004	1.3800e-004

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tblVehicleEF	MHD	2.0000e-004	8.6800e-004
tblVehicleEF	MHD	4.8830e-003	0.03
tblVehicleEF	MHD	7.7600e-004	1.2700e-004
tblVehicleEF	MHD	1.7000e-003	9.9300e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	1.0480e-003	6.0400e-004
tblVehicleEF	MHD	0.05	0.06
tblVehicleEF	MHD	0.02	0.14
tblVehicleEF	MHD	0.36	0.06
tblVehicleEF	MHD	1.3550e-003	6.4800e-004
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.3800e-004	1.1900e-004
tblVehicleEF	MHD	1.7000e-003	9.9300e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	1.0480e-003	6.0400e-004
tblVehicleEF	MHD	0.06	0.07
tblVehicleEF	MHD	0.02	0.14
tblVehicleEF	MHD	0.39	0.07
tblVehicleEF	MHD	0.02	4.7550e-003
tblVehicleEF	MHD	4.8360e-003	4.5850e-003
tblVehicleEF	MHD	0.05	0.01
tblVehicleEF	MHD	0.52	0.49
tblVehicleEF	MHD	0.37	0.47
tblVehicleEF	MHD	6.20	1.45
tblVehicleEF	MHD	122.05	66.18

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tblVehicleEF	MHD	1,150.98	1,070.87
tblVehicleEF	MHD	63.58	12.19
tblVehicleEF	MHD	0.47	0.47
tblVehicleEF	MHD	1.12	1.60
tblVehicleEF	MHD	9.97	1.29
tblVehicleEF	MHD	3.0200e-004	1.3020e-003
tblVehicleEF	MHD	5.1090e-003	0.03
tblVehicleEF	MHD	8.4300e-004	1.3800e-004
tblVehicleEF	MHD	2.8900e-004	1.2460e-003
tblVehicleEF	MHD	4.8830e-003	0.03
tblVehicleEF	MHD	7.7600e-004	1.2700e-004
tblVehicleEF	MHD	1.1690e-003	6.9100e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	7.2400e-004	4.2100e-004
tblVehicleEF	MHD	0.05	0.06
tblVehicleEF	MHD	0.02	0.16
tblVehicleEF	MHD	0.38	0.07
tblVehicleEF	MHD	1.1790e-003	6.2900e-004
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.4400e-004	1.2100e-004
tblVehicleEF	MHD	1.1690e-003	6.9100e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	7.2400e-004	4.2100e-004
tblVehicleEF	MHD	0.05	0.07
tblVehicleEF	MHD	0.02	0.16

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tblVehicleEF	MHD	0.41	0.07
tblVehicleEF	OBUS	0.01	8.4750e-003
tblVehicleEF	OBUS	7.7220e-003	6.9630e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.28	0.60
tblVehicleEF	OBUS	0.53	0.78
tblVehicleEF	OBUS	5.41	2.39
tblVehicleEF	OBUS	112.13	94.21
tblVehicleEF	OBUS	1,260.49	1,391.50
tblVehicleEF	OBUS	67.92	19.24
tblVehicleEF	OBUS	0.51	0.46
tblVehicleEF	OBUS	1.55	1.57
tblVehicleEF	OBUS	2.60	0.75
tblVehicleEF	OBUS	1.1400e-004	7.8900e-004
tblVehicleEF	OBUS	7.4300e-003	0.02
tblVehicleEF	OBUS	8.0700e-004	1.9700e-004
tblVehicleEF	OBUS	1.0900e-004	7.5500e-004
tblVehicleEF	OBUS	7.0930e-003	0.02
tblVehicleEF	OBUS	7.4200e-004	1.8100e-004
tblVehicleEF	OBUS	1.4340e-003	1.8390e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	7.6800e-004	9.4100e-004
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	0.04	0.26
tblVehicleEF	OBUS	0.34	0.11
tblVehicleEF	OBUS	1.0820e-003	8.9600e-004

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tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.7400e-004	1.9000e-004
tblVehicleEF	OBUS	1.4340e-003	1.8390e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	7.6800e-004	9.4100e-004
tblVehicleEF	OBUS	0.08	0.08
tblVehicleEF	OBUS	0.04	0.26
tblVehicleEF	OBUS	0.37	0.13
tblVehicleEF	OBUS	0.01	8.5340e-003
tblVehicleEF	OBUS	7.8490e-003	7.0850e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.27	0.58
tblVehicleEF	OBUS	0.54	0.80
tblVehicleEF	OBUS	5.11	2.26
tblVehicleEF	OBUS	117.81	94.08
tblVehicleEF	OBUS	1,260.49	1,391.52
tblVehicleEF	OBUS	67.92	19.02
tblVehicleEF	OBUS	0.53	0.45
tblVehicleEF	OBUS	1.46	1.48
tblVehicleEF	OBUS	2.57	0.74
tblVehicleEF	OBUS	9.6000e-005	6.7100e-004
tblVehicleEF	OBUS	7.4300e-003	0.02
tblVehicleEF	OBUS	8.0700e-004	1.9700e-004
tblVehicleEF	OBUS	9.2000e-005	6.4200e-004
tblVehicleEF	OBUS	7.0930e-003	0.02
tblVehicleEF	OBUS	7.4200e-004	1.8100e-004

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tblVehicleEF	OBUS	2.1010e-003	2.6500e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	1.0830e-003	1.3070e-003
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	0.04	0.26
tblVehicleEF	OBUS	0.32	0.11
tblVehicleEF	OBUS	1.1360e-003	8.9500e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.6900e-004	1.8800e-004
tblVehicleEF	OBUS	2.1010e-003	2.6500e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	1.0830e-003	1.3070e-003
tblVehicleEF	OBUS	0.08	0.08
tblVehicleEF	OBUS	0.04	0.26
tblVehicleEF	OBUS	0.35	0.12
tblVehicleEF	OBUS	0.01	8.4130e-003
tblVehicleEF	OBUS	7.6880e-003	6.9290e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.30	0.61
tblVehicleEF	OBUS	0.53	0.78
tblVehicleEF	OBUS	5.47	2.42
tblVehicleEF	OBUS	104.30	94.40
tblVehicleEF	OBUS	1,260.49	1,391.49
tblVehicleEF	OBUS	67.92	19.29
tblVehicleEF	OBUS	0.49	0.47

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tblVehicleEF	OBUS	1.52	1.55
tblVehicleEF	OBUS	2.61	0.76
tblVehicleEF	OBUS	1.3900e-004	9.5300e-004
tblVehicleEF	OBUS	7.4300e-003	0.02
tblVehicleEF	OBUS	8.0700e-004	1.9700e-004
tblVehicleEF	OBUS	1.3300e-004	9.1200e-004
tblVehicleEF	OBUS	7.0930e-003	0.02
tblVehicleEF	OBUS	7.4200e-004	1.8100e-004
tblVehicleEF	OBUS	1.4690e-003	1.9220e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	7.4700e-004	9.2400e-004
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	0.04	0.28
tblVehicleEF	OBUS	0.34	0.12
tblVehicleEF	OBUS	1.0070e-003	8.9800e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.7500e-004	1.9100e-004
tblVehicleEF	OBUS	1.4690e-003	1.9220e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.06	0.07
tblVehicleEF	OBUS	7.4700e-004	9.2400e-004
tblVehicleEF	OBUS	0.08	0.08
tblVehicleEF	OBUS	0.04	0.28
tblVehicleEF	OBUS	0.37	0.13
tblVehicleEF	SBUS	0.84	0.07
tblVehicleEF	SBUS	0.01	7.0600e-003

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tblVehicleEF	SBUS	0.06	6.7770e-003
tblVehicleEF	SBUS	8.15	2.99
tblVehicleEF	SBUS	0.72	0.60
tblVehicleEF	SBUS	7.31	0.93
tblVehicleEF	SBUS	1,121.00	354.63
tblVehicleEF	SBUS	1,079.30	1,100.97
tblVehicleEF	SBUS	55.06	5.73
tblVehicleEF	SBUS	9.20	3.14
tblVehicleEF	SBUS	4.17	4.65
tblVehicleEF	SBUS	12.12	0.90
tblVehicleEF	SBUS	9.3410e-003	3.9540e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	8.1500e-004	5.5000e-005
tblVehicleEF	SBUS	8.9370e-003	3.7830e-003
tblVehicleEF	SBUS	2.6670e-003	2.6630e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	7.5000e-004	5.1000e-005
tblVehicleEF	SBUS	3.3650e-003	9.8900e-004
tblVehicleEF	SBUS	0.03	8.5880e-003
tblVehicleEF	SBUS	0.97	0.34
tblVehicleEF	SBUS	1.7650e-003	5.2700e-004
tblVehicleEF	SBUS	0.10	0.09
tblVehicleEF	SBUS	0.01	0.06
tblVehicleEF	SBUS	0.38	0.04
tblVehicleEF	SBUS	0.01	3.3860e-003
tblVehicleEF	SBUS	0.01	0.01

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tblVehicleEF	SBUS	6.7700e-004	5.7000e-005
tblVehicleEF	SBUS	3.3650e-003	9.8900e-004
tblVehicleEF	SBUS	0.03	8.5880e-003
tblVehicleEF	SBUS	1.40	0.49
tblVehicleEF	SBUS	1.7650e-003	5.2700e-004
tblVehicleEF	SBUS	0.13	0.11
tblVehicleEF	SBUS	0.01	0.06
tblVehicleEF	SBUS	0.42	0.04
tblVehicleEF	SBUS	0.84	0.07
tblVehicleEF	SBUS	0.01	7.1400e-003
tblVehicleEF	SBUS	0.06	6.0470e-003
tblVehicleEF	SBUS	8.04	2.95
tblVehicleEF	SBUS	0.73	0.61
tblVehicleEF	SBUS	5.94	0.76
tblVehicleEF	SBUS	1,171.46	362.29
tblVehicleEF	SBUS	1,079.30	1,100.99
tblVehicleEF	SBUS	55.06	5.44
tblVehicleEF	SBUS	9.50	3.21
tblVehicleEF	SBUS	3.93	4.39
tblVehicleEF	SBUS	12.09	0.90
tblVehicleEF	SBUS	7.8750e-003	3.3400e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	8.1500e-004	5.5000e-005
tblVehicleEF	SBUS	7.5340e-003	3.1960e-003
tblVehicleEF	SBUS	2.6670e-003	2.6630e-003
tblVehicleEF	SBUS	0.02	0.03

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tblVehicleEF	SBUS	7.5000e-004	5.1000e-005
tblVehicleEF	SBUS	4.9570e-003	1.4290e-003
tblVehicleEF	SBUS	0.03	8.7250e-003
tblVehicleEF	SBUS	0.97	0.34
tblVehicleEF	SBUS	2.5080e-003	7.3100e-004
tblVehicleEF	SBUS	0.10	0.09
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.34	0.03
tblVehicleEF	SBUS	0.01	3.4580e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.5400e-004	5.4000e-005
tblVehicleEF	SBUS	4.9570e-003	1.4290e-003
tblVehicleEF	SBUS	0.03	8.7250e-003
tblVehicleEF	SBUS	1.40	0.49
tblVehicleEF	SBUS	2.5080e-003	7.3100e-004
tblVehicleEF	SBUS	0.13	0.11
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.37	0.04
tblVehicleEF	SBUS	0.84	0.07
tblVehicleEF	SBUS	0.01	7.0350e-003
tblVehicleEF	SBUS	0.07	6.9450e-003
tblVehicleEF	SBUS	8.31	3.04
tblVehicleEF	SBUS	0.72	0.60
tblVehicleEF	SBUS	7.56	0.96
tblVehicleEF	SBUS	1,051.30	344.05
tblVehicleEF	SBUS	1,079.30	1,100.97
tblVehicleEF	SBUS	55.06	5.78

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tblVehicleEF	SBUS	8.80	3.05
tblVehicleEF	SBUS	4.10	4.57
tblVehicleEF	SBUS	12.13	0.90
tblVehicleEF	SBUS	0.01	4.8000e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	8.1500e-004	5.5000e-005
tblVehicleEF	SBUS	0.01	4.5930e-003
tblVehicleEF	SBUS	2.6670e-003	2.6630e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	7.5000e-004	5.1000e-005
tblVehicleEF	SBUS	3.4320e-003	1.0030e-003
tblVehicleEF	SBUS	0.03	9.0230e-003
tblVehicleEF	SBUS	0.98	0.34
tblVehicleEF	SBUS	1.6940e-003	5.0600e-004
tblVehicleEF	SBUS	0.10	0.09
tblVehicleEF	SBUS	0.02	0.07
tblVehicleEF	SBUS	0.39	0.04
tblVehicleEF	SBUS	0.01	3.2860e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.8100e-004	5.7000e-005
tblVehicleEF	SBUS	3.4320e-003	1.0030e-003
tblVehicleEF	SBUS	0.03	9.0230e-003
tblVehicleEF	SBUS	1.41	0.49
tblVehicleEF	SBUS	1.6940e-003	5.0600e-004
tblVehicleEF	SBUS	0.13	0.11
tblVehicleEF	SBUS	0.02	0.07

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tblVehicleEF	SBUS	0.43	0.04
tblVehicleEF	UBUS	2.61	5.85
tblVehicleEF	UBUS	0.05	0.01
tblVehicleEF	UBUS	11.22	45.42
tblVehicleEF	UBUS	8.87	0.71
tblVehicleEF	UBUS	1,968.89	1,991.58
tblVehicleEF	UBUS	96.56	8.61
tblVehicleEF	UBUS	9.98	0.47
tblVehicleEF	UBUS	15.36	0.08
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.13	3.1840e-003
tblVehicleEF	UBUS	1.0870e-003	4.6000e-005
tblVehicleEF	UBUS	0.26	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9690e-003
tblVehicleEF	UBUS	0.13	3.0430e-003
tblVehicleEF	UBUS	9.9900e-004	4.3000e-005
tblVehicleEF	UBUS	4.1440e-003	6.6500e-004
tblVehicleEF	UBUS	0.07	8.4730e-003
tblVehicleEF	UBUS	2.3870e-003	4.9100e-004
tblVehicleEF	UBUS	0.85	0.09
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.68	0.05
tblVehicleEF	UBUS	9.8600e-003	1.4410e-003
tblVehicleEF	UBUS	1.1250e-003	8.5000e-005
tblVehicleEF	UBUS	4.1440e-003	6.6500e-004
tblVehicleEF	UBUS	0.07	8.4730e-003

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tblVehicleEF	UBUS	2.3870e-003	4.9100e-004
tblVehicleEF	UBUS	3.56	5.97
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.74	0.05
tblVehicleEF	UBUS	2.61	5.85
tblVehicleEF	UBUS	0.05	0.01
tblVehicleEF	UBUS	11.27	45.42
tblVehicleEF	UBUS	7.69	0.63
tblVehicleEF	UBUS	1,968.89	1,991.58
tblVehicleEF	UBUS	96.56	8.46
tblVehicleEF	UBUS	9.41	0.47
tblVehicleEF	UBUS	15.31	0.08
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.13	3.1840e-003
tblVehicleEF	UBUS	1.0870e-003	4.6000e-005
tblVehicleEF	UBUS	0.26	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9690e-003
tblVehicleEF	UBUS	0.13	3.0430e-003
tblVehicleEF	UBUS	9.9900e-004	4.3000e-005
tblVehicleEF	UBUS	5.9080e-003	9.6200e-004
tblVehicleEF	UBUS	0.07	8.7330e-003
tblVehicleEF	UBUS	3.2830e-003	6.7600e-004
tblVehicleEF	UBUS	0.86	0.09
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.62	0.04
tblVehicleEF	UBUS	9.8610e-003	1.4410e-003

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tblVehicleEF	UBUS	1.1050e-003	8.4000e-005
tblVehicleEF	UBUS	5.9080e-003	9.6200e-004
tblVehicleEF	UBUS	0.07	8.7330e-003
tblVehicleEF	UBUS	3.2830e-003	6.7600e-004
tblVehicleEF	UBUS	3.57	5.97
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.68	0.05
tblVehicleEF	UBUS	2.61	5.85
tblVehicleEF	UBUS	0.05	0.01
tblVehicleEF	UBUS	11.21	45.42
tblVehicleEF	UBUS	9.08	0.73
tblVehicleEF	UBUS	1,968.89	1,991.58
tblVehicleEF	UBUS	96.56	8.64
tblVehicleEF	UBUS	9.79	0.47
tblVehicleEF	UBUS	15.38	0.09
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.13	3.1840e-003
tblVehicleEF	UBUS	1.0870e-003	4.6000e-005
tblVehicleEF	UBUS	0.26	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9690e-003
tblVehicleEF	UBUS	0.13	3.0430e-003
tblVehicleEF	UBUS	9.9900e-004	4.3000e-005
tblVehicleEF	UBUS	4.7000e-003	6.4800e-004
tblVehicleEF	UBUS	0.08	9.0360e-003
tblVehicleEF	UBUS	2.5010e-003	4.6600e-004
tblVehicleEF	UBUS	0.85	0.09

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tblVehicleEF	UBUS	0.03	0.07
tblVehicleEF	UBUS	0.69	0.05
tblVehicleEF	UBUS	9.8590e-003	1.4410e-003
tblVehicleEF	UBUS	1.1290e-003	8.5000e-005
tblVehicleEF	UBUS	4.7000e-003	6.4800e-004
tblVehicleEF	UBUS	0.08	9.0360e-003
tblVehicleEF	UBUS	2.5010e-003	4.6600e-004
tblVehicleEF	UBUS	3.55	5.97
tblVehicleEF	UBUS	0.03	0.07
tblVehicleEF	UBUS	0.75	0.05
tblVehicleTrips	CW_TL	16.60	40.00
tblVehicleTrips	CW_TTP	0.00	100.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	1.32	1.83
tblVehicleTrips	ST_TR	0.00	0.16
tblVehicleTrips	SU_TR	0.68	4.61
tblVehicleTrips	SU_TR	0.00	0.39
tblVehicleTrips	WD_TR	6.97	4.57
tblVehicleTrips	WD_TR	0.00	0.41

2.0 Emissions Summary

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2.1 Overall Construction

Unmitigated Construction

[illegible]

Mitigated Construction

[illegible][illegible]

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Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
		Highest		

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.5714	3.0000e-005	3.5500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	6.9000e-003	6.9000e-003	2.0000e-005	0.0000	7.3500e-003
Energy	0.0134	0.1219	0.1024	7.3000e-004		9.2700e-003	9.2700e-003		9.2700e-003	9.2700e-003	0.0000	523.4617	523.4617	0.0185	5.8900e-003	525.6794
Mobile	0.0684	2.3202	0.5479	9.6500e-003	1.1473	0.0209	1.1682	0.2935	0.0200	0.3135	0.0000	946.7492	946.7492	0.0399	0.0000	947.7455
Offroad	0.0223	0.2313	0.1384	5.8000e-004		7.9800e-003	7.9800e-003		7.3400e-003	7.3400e-003	0.0000	50.7922	50.7922	0.0164	0.0000	51.2028
Waste						0.0000	0.0000		0.0000	0.0000	34.5917	0.0000	34.5917	2.0443	0.0000	85.6995
Water						0.0000	0.0000		0.0000	0.0000	10.0826	105.9889	116.0715	1.0399	0.0254	149.6352
Total	0.6754	2.6735	0.7923	0.0110	1.1473	0.0382	1.1855	0.2935	0.0366	0.3301	44.6742	1,626.9988	1,671.6730	3.1590	0.0313	1,759.9697

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2.2 Overall Operational**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.5714	3.0000e-005	3.5500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	6.9000e-003	6.9000e-003	2.0000e-005	0.0000	7.3500e-003
Energy	0.0134	0.1219	0.1024	7.3000e-004		9.2700e-003	9.2700e-003		9.2700e-003	9.2700e-003	0.0000	523.4617	523.4617	0.0185	5.8900e-003	525.6794
Mobile	0.0684	2.3202	0.5479	9.6500e-003	1.1473	0.0209	1.1682	0.2935	0.0200	0.3135	0.0000	946.7492	946.7492	0.0399	0.0000	947.7455
Offroad	0.0223	0.2313	0.1384	5.8000e-004		7.9800e-003	7.9800e-003		7.3400e-003	7.3400e-003	0.0000	50.7922	50.7922	0.0164	0.0000	51.2028
Waste						0.0000	0.0000		0.0000	0.0000	34.5917	0.0000	34.5917	2.0443	0.0000	85.6995
Water						0.0000	0.0000		0.0000	0.0000	10.0826	105.9889	116.0715	1.0399	0.0254	149.6352
Total	0.6754	2.6735	0.7923	0.0110	1.1473	0.0382	1.1855	0.2935	0.0366	0.3301	44.6742	1,626.9988	1,671.6730	3.1590	0.0313	1,759.9697

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	10/4/2021	10/29/2021	5	20	

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Acres of Grading (Site Preparation Phase): 0**Acres of Grading (Grading Phase): 0****Acres of Paving: 3.14****Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)****OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Excavators	0	8.00	158	0.38
Demolition	Rubber Tired Dozers	0	8.00	247	0.40

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	0	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

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3.2 Demolition - 2021

Unmitigated Construction On-Site

[illegible]

Unmitigated Construction Off-Site

[illegible]

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3.2 Demolition - 2021**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.0 Operational Detail - Mobile

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4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0684	2.3202	0.5479	9.6500e-003	1.1473	0.0209	1.1682	0.2935	0.0200	0.3135	0.0000	946.7492	946.7492	0.0399	0.0000	947.7455
Unmitigated	0.0684	2.3202	0.5479	9.6500e-003	1.1473	0.0209	1.1682	0.2935	0.0200	0.3135	0.0000	946.7492	946.7492	0.0399	0.0000	947.7455

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	628.06	251.91	633.00	2,546,378	2,546,378
Other Asphalt Surfaces	0.00	0.00	0.00		
User Defined Industrial	55.93	21.58	54.15	739,219	739,219
Total	683.99	273.49	687.15	3,285,598	3,285,598

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
User Defined Industrial	40.00	8.40	6.90	100.00	0.00	0.00	100	0	0

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4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Other Asphalt Surfaces	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
User Defined Industrial	0.000000	0.000000	0.000000	0.000000	0.115300	0.045400	0.214300	0.625000	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	390.7182	390.7182	0.0159	3.4600e-003	392.1471
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	390.7182	390.7182	0.0159	3.4600e-003	392.1471
NaturalGas Mitigated	0.0134	0.1219	0.1024	7.3000e-004		9.2700e-003	9.2700e-003		9.2700e-003	9.2700e-003	0.0000	132.7435	132.7435	2.5400e-003	2.4300e-003	133.5323
NaturalGas Unmitigated	0.0134	0.1219	0.1024	7.3000e-004		9.2700e-003	9.2700e-003		9.2700e-003	9.2700e-003	0.0000	132.7435	132.7435	2.5400e-003	2.4300e-003	133.5323

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5.2 Energy by Land Use - NaturalGas**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Light Industry	2.48752e+006	0.0134	0.1219	0.1024	7.3000e-004		9.2700e-003	9.2700e-003		9.2700e-003	9.2700e-003	0.0000	132.7435	132.7435	2.5400e-003	2.4300e-003	133.5323
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0134	0.1219	0.1024	7.3000e-004		9.2700e-003	9.2700e-003		9.2700e-003	9.2700e-003	0.0000	132.7435	132.7435	2.5400e-003	2.4300e-003	133.5323

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Light Industry	2.48752e+006	0.0134	0.1219	0.1024	7.3000e-004		9.2700e-003	9.2700e-003		9.2700e-003	9.2700e-003	0.0000	132.7435	132.7435	2.5400e-003	2.4300e-003	133.5323
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0134	0.1219	0.1024	7.3000e-004		9.2700e-003	9.2700e-003		9.2700e-003	9.2700e-003	0.0000	132.7435	132.7435	2.5400e-003	2.4300e-003	133.5323

San Francisco Avenue (Currently Approved Operations) - Los Angeles-South Coast County, Annual

5.3 Energy by Land Use - Electricity**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	1.5255e+006	390.7182	0.0159	3.4600e-003	392.1471
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		390.7182	0.0159	3.4600e-003	392.1471

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	1.5255e+006	390.7182	0.0159	3.4600e-003	392.1471
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		390.7182	0.0159	3.4600e-003	392.1471

6.0 Area Detail

San Francisco Avenue (Currently Approved Operations) - Los Angeles-South Coast County, Annual

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.5714	3.0000e-005	3.5500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	6.9000e-003	6.9000e-003	2.0000e-005	0.0000	7.3500e-003
Unmitigated	0.5714	3.0000e-005	3.5500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	6.9000e-003	6.9000e-003	2.0000e-005	0.0000	7.3500e-003

6.2 Area by SubCategory**Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0656					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.5055					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.3000e-004	3.0000e-005	3.5500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	6.9000e-003	6.9000e-003	2.0000e-005	0.0000	7.3500e-003
Total	0.5714	3.0000e-005	3.5500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	6.9000e-003	6.9000e-003	2.0000e-005	0.0000	7.3500e-003

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6.2 Area by SubCategory**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0656					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.5055					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.3000e-004	3.0000e-005	3.5500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	6.9000e-003	6.9000e-003	2.0000e-005	0.0000	7.3500e-003
Total	0.5714	3.0000e-005	3.5500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	6.9000e-003	6.9000e-003	2.0000e-005	0.0000	7.3500e-003

7.0 Water Detail**7.1 Mitigation Measures Water**

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	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	116.0715	1.0399	0.0254	149.6352
Unmitigated	116.0715	1.0399	0.0254	149.6352

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	31.7807 / 0	116.0715	1.0399	0.0254	149.6352
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
User Defined Industrial	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		116.0715	1.0399	0.0254	149.6352

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7.2 Water by Land Use**Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	31.7807 / 0	116.0715	1.0399	0.0254	149.6352
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
User Defined Industrial	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		116.0715	1.0399	0.0254	149.6352

8.0 Waste Detail

8.1 Mitigation Measures Waste

San Francisco Avenue (Currently Approved Operations) - Los Angeles-South Coast County, Annual

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	34.5917	2.0443	0.0000	85.6995
Unmitigated	34.5917	2.0443	0.0000	85.6995

8.2 Waste by Land Use**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	170.41	34.5917	2.0443	0.0000	85.6995
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		34.5917	2.0443	0.0000	85.6995

San Francisco Avenue (Currently Approved Operations) - Los Angeles-South Coast County, Annual

8.2 Waste by Land Use**Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	170.41	34.5917	2.0443	0.0000	85.6995
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		34.5917	2.0443	0.0000	85.6995

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Tractors/Loaders/Backhoes	1	4.00	365	200	0.37	CNG

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UnMitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	tons/yr										MT/yr					
Tractors/Loaders/Backhoes	0.0223	0.2313	0.1384	5.8000e-004		7.9800e-003	7.9800e-003		7.3400e-003	7.3400e-003	0.0000	50.7922	50.7922	0.0164	0.0000	51.2028
Total	0.0223	0.2313	0.1384	5.8000e-004		7.9800e-003	7.9800e-003		7.3400e-003	7.3400e-003	0.0000	50.7922	50.7922	0.0164	0.0000	51.2028

10.0 Stationary Equipment**Fire Pumps and Emergency Generators**

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

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APPENDIX 4.4:

EMFAC2017 EMISSIONS INVENTORY

Source: EMFAC2017 (v1.0.3) Emissions Inventory

Region Type: Sub-Area

Region: Los Angeles (SC)

Calendar Year: 2021

Season: Annual

Vehicle Classification: EMFAC2007 Categories

Units: miles/year for VMT, trips/year for Trips, tons/year for Emissions, 1000 gallons/year for Fuel Consumption

Region	CalYr	VehClass	MdYr	Speed	Fuel	Population	VMT	Fuel_Consumption	Fuel_Consumption	Total Fuel	VMT	Total VMT	Miles per Gallon	Vehicle Class
Los Angeles (SC)	2021	HHDT	Aggregate	Aggregate	Gasoline	58.07198474	1861858.285	466.5912931	466591.2931	340390449.2	1861858.285	2115219439	6.21	HHDT
Los Angeles (SC)	2021	HHDT	Aggregate	Aggregate	Diesel	55990.85516	2082246000	325788.8356	325788835.6		2082246000			
Los Angeles (SC)	2021	HHDT	Aggregate	Aggregate	Natural Gas	2450.201478	31111581.32	14135.02234	14135022.34		31111581.32			
Los Angeles (SC)	2021	LDA	Aggregate	Aggregate	Gasoline	3908602.591	52279429847	1771944.864	1771944864	1781723839	52279429847	53650893781	30.11	LDA
Los Angeles (SC)	2021	LDA	Aggregate	Aggregate	Diesel	32586.45511	450455388.4	9778.974688	9778974.688		450455388.4			
Los Angeles (SC)	2021	LDA	Aggregate	Aggregate	Electricity	66214.59189	921008545.6	0	0		921008545.6			
Los Angeles (SC)	2021	LDT1	Aggregate	Aggregate	Gasoline	443614.9839	5797301407	227641.555	227641555	227757559.3	5797301407	5834368122	25.62	LDT1
Los Angeles (SC)	2021	LDT1	Aggregate	Aggregate	Diesel	290.8625759	2497598.34	116.0043191	116004.3191		2497598.34			
Los Angeles (SC)	2021	LDT1	Aggregate	Aggregate	Electricity	2511.870717	34569116.54	0	0		34569116.54			
Los Angeles (SC)	2021	LDT2	Aggregate	Aggregate	Gasoline	1346968.733	17868786394	760958.8389	760958838.9	764555055.1	17868786394	18116665385	23.70	LDT2
Los Angeles (SC)	2021	LDT2	Aggregate	Aggregate	Diesel	8031.053707	121576187.8	3596.216155	3596216.155		121576187.8			
Los Angeles (SC)	2021	LDT2	Aggregate	Aggregate	Electricity	10912.37044	126302803	0	0		126302803			
Los Angeles (SC)	2021	LHDT1	Aggregate	Aggregate	Gasoline	105693.4335	1267685535	122682.2809	122682280.9	162059988	1267685535	2111748130	13.03	LHDT1
Los Angeles (SC)	2021	LHDT1	Aggregate	Aggregate	Diesel	59340.15891	844062594.7	39377.70704	39377707.04		844062594.7			
Los Angeles (SC)	2021	LHDT2	Aggregate	Aggregate	Gasoline	17634.38841	204360124.3	22698.47359	22698473.59	39677176.01	204360124.3	532243950.5	13.41	LHDT2
Los Angeles (SC)	2021	LHDT2	Aggregate	Aggregate	Diesel	23954.96305	327883826.2	16978.70242	16978702.42		327883826.2			
Los Angeles (SC)	2021	MCY	Aggregate	Aggregate	Gasoline	170130.7051	418185805	11707.53145	11707531.45	11707531.45	418185805	418185805	35.72	MCY
Los Angeles (SC)	2021	MDV	Aggregate	Aggregate	Gasoline	911569.8922	11190078299	584660.5156	584660515.6	594167762.6	11190078299	11495530338	19.35	MDV
Los Angeles (SC)	2021	MDV	Aggregate	Aggregate	Diesel	17652.99935	248281463.1	9507.246978	9507246.978		248281463.1			
Los Angeles (SC)	2021	MDV	Aggregate	Aggregate	Electricity	4769.443571	57170576.4	0	0		57170576.4			
Los Angeles (SC)	2021	MH	Aggregate	Aggregate	Gasoline	18789.47051	62204658.03	12296.68917	12296689.17	14152496.21	62204658.03	81501799.54	5.76	MH
Los Angeles (SC)	2021	MH	Aggregate	Aggregate	Diesel	5558.490531	19297141.51	1855.807033	1855807.033		19297141.51			
Los Angeles (SC)	2021	MHDT	Aggregate	Aggregate	Gasoline	14428.47468	258462190.5	52018.9175	52018917.5	175759955.2	258462190.5	1516710374	8.63	MHDT
Los Angeles (SC)	2021	MHDT	Aggregate	Aggregate	Diesel	64529.72517	1258248183	123741.0377	123741037.7		1258248183			
Los Angeles (SC)	2021	OBUS	Aggregate	Aggregate	Gasoline	3987.991898	54738346.23	11108.10691	11108106.91	19359706.38	54738346.23	121772986	6.29	OBUS
Los Angeles (SC)	2021	OBUS	Aggregate	Aggregate	Diesel	3046.475516	67034639.81	8251.599465	8251599.465		67034639.81			
Los Angeles (SC)	2021	SBUS	Aggregate	Aggregate	Gasoline	1276.438121	17087073.99	1878.779276	1878779.276	6570149.869	17087073.99	52520556.68	7.99	SBUS
Los Angeles (SC)	2021	SBUS	Aggregate	Aggregate	Diesel	3420.815783	35433482.69	4691.370592	4691370.592		35433482.69			
Los Angeles (SC)	2021	UBUS	Aggregate	Aggregate	Gasoline	455.3227041	10723858.67	2575.339045	2575339.045	38682088.14	10723858.67	153551014.3	3.97	UBUS
Los Angeles (SC)	2021	UBUS	Aggregate	Aggregate	Diesel	10.1389	386262.2467	68.19505467	68195.05467		386262.2467			
Los Angeles (SC)	2021	UBUS	Aggregate	Aggregate	Electricity	12	350021.8826	0	0		350021.8826			
Los Angeles (SC)	2021	UBUS	Aggregate	Aggregate	Natural Gas	4104.851155	142090871.5	36038.55404	36038554.04		142090871.5			

Source: EMFAC2017 (v1.0.3) Emissions Inventory

Region Type: Sub-Area

Region: Los Angeles (SC)

Calendar Year: 2022

Season: Annual

Vehicle Classification: EMFAC2007 Categories

Units: miles/year for VMT, trips/year for Trips, tons/year for Emissions, 1000 gallons/year for Fuel Consumption

Region	CalYr	VehClass	MdYr	Speed	Fuel	Population	VMT	Fuel_Consumption	Fuel_Consumption	Total Fuel	VMT	Total VMT	Miles per Gallon	Vehicle Class
Los Angeles (SC)	2022	HHDT	Aggregate	Aggregate	Gasoline	55.2683338	1886339.313	460.1441826	460144.1826	338980461.4	1886339.313	2160574982	6.37	HHDT
Los Angeles (SC)	2022	HHDT	Aggregate	Aggregate	Diesel	56923.2659	2125358393	323612.0702	323612070.2		2125358393			
Los Angeles (SC)	2022	HHDT	Aggregate	Aggregate	Natural Gas	2623.533087	33330249.19	14908.24702	14908247.02		33330249.19			
Los Angeles (SC)	2022	LDA	Aggregate	Aggregate	Gasoline	3949334.32	52038360504	1718306.044	1718306044	1728325944	52038360504	53616184171	31.02	LDA
Los Angeles (SC)	2022	LDA	Aggregate	Aggregate	Diesel	34750.74201	473850819.2	10019.90072	10019900.72		473850819.2			
Los Angeles (SC)	2022	LDA	Aggregate	Aggregate	Electricity	78084.60157	1103972848	0	0		1103972848			
Los Angeles (SC)	2022	LDT1	Aggregate	Aggregate	Gasoline	458115.2498	5913983393	226431.441	226431441	226537032.5	5913983393	5966511981	26.34	LDT1
Los Angeles (SC)	2022	LDT1	Aggregate	Aggregate	Diesel	270.6503295	2299638.642	105.5914775	105591.4775		2299638.642			
Los Angeles (SC)	2022	LDT1	Aggregate	Aggregate	Electricity	3508.68045	50228949.44	0	0		50228949.44			
Los Angeles (SC)	2022	LDT2	Aggregate	Aggregate	Gasoline	1372144.276	17975353996	738935.7974	738935797.4	742713953.2	17975353996	18269724640	24.60	LDT2
Los Angeles (SC)	2022	LDT2	Aggregate	Aggregate	Diesel	8920.377392	131325818.2	3778.155846	3778155.846		131325818.2			
Los Angeles (SC)	2022	LDT2	Aggregate	Aggregate	Electricity	14383.25646	163044825.6	0	0		163044825.6			
Los Angeles (SC)	2022	LHDT1	Aggregate	Aggregate	Gasoline	105423.6869	1254445438	120100.5443	120100544.3	161351355.2	1254445438	2152051063	13.34	LHDT1
Los Angeles (SC)	2022	LHDT1	Aggregate	Aggregate	Diesel	64097.22758	897605625	41250.81091	41250810.91		897605625			
Los Angeles (SC)	2022	LHDT2	Aggregate	Aggregate	Gasoline	17796.61867	204637586.8	22487.69027	22487690.27	40294220.22	204637586.8	553684366	13.74	LHDT2
Los Angeles (SC)	2022	LHDT2	Aggregate	Aggregate	Diesel	25927.3097	349046779.2	17806.52995	17806529.95		349046779.2			
Los Angeles (SC)	2022	MCY	Aggregate	Aggregate	Gasoline	177319.3254	429459398.3	12029.52016	12029520.16	12029520.16	429459398.3	429459398.3	35.70	MCY
Los Angeles (SC)	2022	MDV	Aggregate	Aggregate	Gasoline	921693.6708	11185041240	565340.208	565340208	575300077.9	11185041240	11539791218	20.06	MDV
Los Angeles (SC)	2022	MDV	Aggregate	Aggregate	Diesel	19516.67089	267763378.1	9959.869883	9959869.883		267763378.1			
Los Angeles (SC)	2022	MDV	Aggregate	Aggregate	Electricity	7423.218148	86986599.62	0	0		86986599.62			
Los Angeles (SC)	2022	MH	Aggregate	Aggregate	Gasoline	18777.11371	62435737.62	12156.75083	12156750.83	14072782.47	62435737.62	82639533.17	5.87	MH
Los Angeles (SC)	2022	MH	Aggregate	Aggregate	Diesel	5865.304828	20203795.54	1916.031642	1916031.642		20203795.54			
Los Angeles (SC)	2022	MHDT	Aggregate	Aggregate	Gasoline	14505.49561	259351001.4	51417.24571	51417245.71	174208391.6	259351001.4	1551279585	8.90	MHDT
Los Angeles (SC)	2022	MHDT	Aggregate	Aggregate	Diesel	64993.29301	1291928584	122791.1459	122791145.9		1291928584			
Los Angeles (SC)	2022	OBUS	Aggregate	Aggregate	Gasoline	3972.712037	53314439.93	10674.35262	10674352.62	18885153.64	53314439.93	122037946.5	6.46	OBUS
Los Angeles (SC)	2022	OBUS	Aggregate	Aggregate	Diesel	3063.907446	68723506.61	8210.801022	8210801.022		68723506.61			
Los Angeles (SC)	2022	SBUS	Aggregate	Aggregate	Gasoline	1378.869452	18183952.07	1979.493267	1979493.267	6675133.536	18183952.07	54002120.09	8.09	SBUS
Los Angeles (SC)	2022	SBUS	Aggregate	Aggregate	Diesel	3460.157096	35818168.02	4695.64027	4695640.27		35818168.02			
Los Angeles (SC)	2022	UBUS	Aggregate	Aggregate	Gasoline	460.6006493	10787507.77	2545.134222	2545134.222	38939006.39	10787507.77	154462382.4	3.97	UBUS
Los Angeles (SC)	2022	UBUS	Aggregate	Aggregate	Diesel	10.1389	386262.2467	68.19505467	68195.05467		386262.2467			
Los Angeles (SC)	2022	UBUS	Aggregate	Aggregate	Electricity	12	350021.8826	0	0		350021.8826			
Los Angeles (SC)	2022	UBUS	Aggregate	Aggregate	Natural Gas	4129.345993	142938590.5	36325.67711	36325677.11		142938590.5			